

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054169.D
 Acq On : 12 Mar 2019 17:49
 Operator : JC/SP
 Sample : VN0312WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:49:36 AM

Quant Time: Mar 13 07:55:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1528265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2262978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1958672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	904817	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	797266	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	7.59	113	725867	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.09	98	2634931	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.40	95	902146	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	318000	21.955	ug/l	99
3) Chloromethane	2.06	50	288699	20.520	ug/l	100
4) Vinyl Chloride	2.19	62	330631	20.560	ug/l	99
5) Bromomethane	2.58	94	227736	20.448	ug/l	95
6) Chloroethane	2.71	64	191331	19.665	ug/l	99
7) Trichlorofluoromethane	3.02	101	425321	19.893	ug/l	99
8) Diethyl Ether	3.41	74	210165	21.571	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	346047	21.599	ug/l	99
10) Methyl Iodide	3.94	142	420346	19.418	ug/l	99
11) Tert butyl alcohol	4.81	59	110360	99.186	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	343916	21.661	ug/l	98
13) Acrolein	3.61	56	97230	92.219	ug/l	96
14) Allyl chloride	4.32	41	433162	21.264	ug/l	100
15) Acrylonitrile	4.99	53	485701	106.270	ug/l	99
16) Acetone	3.82	43	398658	85.787	ug/l	98
17) Carbon Disulfide	4.04	76	827406	20.789	ug/l	99
18) Methyl Acetate	4.33	43	209019	22.232	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	854740	21.719	ug/l	100
20) Methylene Chloride	4.54	84	324053	21.237	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	323617	21.273	ug/l	95
22) Diisopropyl ether	5.96	45	848948	20.881	ug/l	98
23) Vinyl Acetate	5.90	43	3178037	106.019	ug/l	100
24) 1,1-Dichloroethane	5.85	63	555206	21.268	ug/l	99
25) 2-Butanone	6.85	43	553080	101.403	ug/l	99
26) 2,2-Dichloropropane	6.82	77	467379	20.359	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	371588	21.895	ug/l	99
28) Bromochloromethane	7.19	49	219254	20.545	ug/l	98
29) Tetrahydrofuran	7.22	42	361404	103.056	ug/l	99
30) Chloroform	7.37	83	587789	21.578	ug/l	99
31) Cyclohexane	7.65	56	523480	20.730	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	526495	21.401	ug/l	100
36) 1,1-Dichloropropene	7.79	75	441265	21.174	ug/l	99
37) Ethyl Acetate	6.94	43	251008	20.962	ug/l	99
38) Carbon Tetrachloride	7.77	117	452346	20.698	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	543055	21.179	ug/l	99
40) Benzene	8.04	78	1309297	21.955	ug/l	99
41) Methacrylonitrile	7.18	41	138432	20.247	ug/l	97
42) 1,2-Dichloroethane	8.13	62	436960	21.703	ug/l	99
43) Isopropyl Acetate	8.17	43	448479	21.337	ug/l	99
44) Trichloroethene	8.83	130	405275	21.876	ug/l	99
45) 1,2-Dichloropropane	9.12	63	320666	21.655	ug/l	97
46) Dibromomethane	9.21	93	215525	21.541	ug/l	99
47) Bromodichloromethane	9.40	83	430074	21.442	ug/l	99
48) Methyl methacrylate	9.20	41	221924	20.806	ug/l	97
49) 1,4-Dioxane	9.20	88	61832	409.818	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1175800	105.708	ug/l	99
52) Toluene	10.16	92	816975	21.606	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	418377	19.498	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	493618	21.118	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	301163	21.812	ug/l	96
56) Ethyl methacrylate	10.43	69	340768	20.699	ug/l	99
57) 1,3-Dichloropropane	10.71	76	485805	21.518	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	622011	98.053	ug/l	100
59) 2-Hexanone	10.75	43	753027	101.743	ug/l	99
60) Dibromochloromethane	10.90	129	327552	21.077	ug/l	100
61) 1,2-Dibromoethane	11.00	107	301569	21.493	ug/l	100
64) Tetrachloroethene	10.63	164	410722	21.688	ug/l	99
65) Chlorobenzene	11.43	112	937700	21.803	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	342113	21.898	ug/l	99
67) Ethyl Benzene	11.51	91	1535348	21.536	ug/l	99
68) m/p-Xylenes	11.62	106	1215405	43.619	ug/l	100
69) o-Xylene	11.95	106	595092	21.908	ug/l	100
70) Styrene	11.96	104	924639	21.705	ug/l	99
71) Bromoform	12.13	173	217917	19.788	ug/l	100
73) Isopropylbenzene	12.25	105	1590208	21.967	ug/l	99
74) N-amyl acetate	12.07	43	334741	20.832	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	335494	21.752	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	308972m	23.221	ug/l	
77) Bromobenzene	12.53	156	417171	21.778	ug/l	98
78) n-propylbenzene	12.59	91	1732026	22.050	ug/l	100
79) 2-Chlorotoluene	12.67	91	1040694	22.035	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1305156	21.675	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	72808	18.705	ug/l	93
82) 4-Chlorotoluene	12.77	91	1016579	21.556	ug/l	99
83) tert-Butylbenzene	12.99	119	1216633	21.952	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1299054	21.991	ug/l	100
85) sec-Butylbenzene	13.17	105	1582368	22.015	ug/l	100
86) p-Isopropyltoluene	13.29	119	1374059	21.791	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	710991	22.027	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	690066	21.763	ug/l	99
89) n-Butylbenzene	13.62	91	1053915	21.997	ug/l	100
90) Hexachloroethane	13.88	117	215505	20.640	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	704906	22.339	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50395	21.115	ug/l	99

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ClientSampleId :
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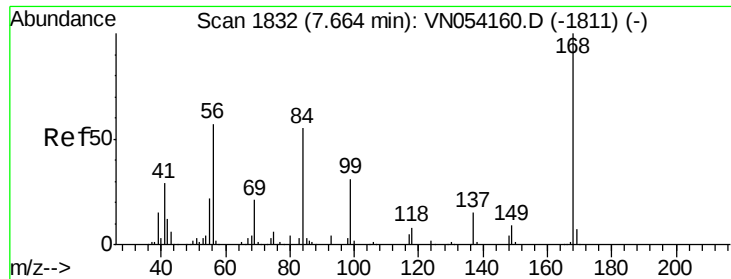
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	380209	21.470	ug/l	98
94) Hexachlorobutadiene	15.01	225	262536	21.843	ug/l	98
95) Naphthalene	15.13	128	741771	20.864	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	378966	22.604	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054169.D

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Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tgt Ion:168 Resp: 1528265

Ion Ratio Lower Upper

168 100

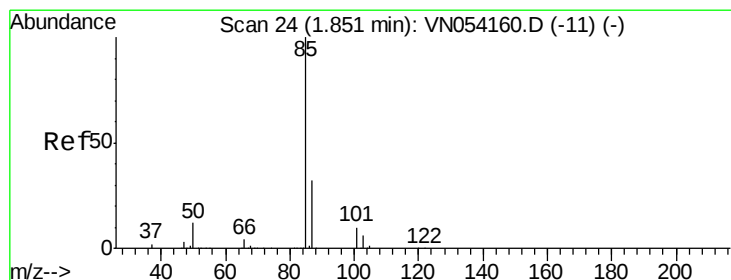
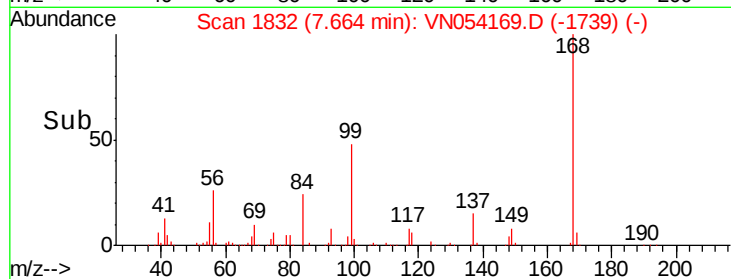
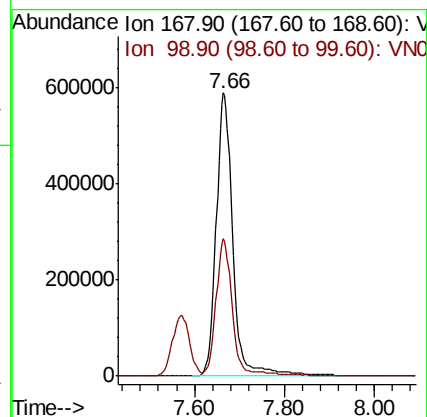
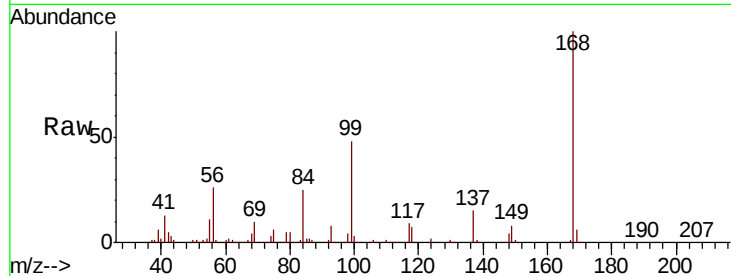
99 48.3 37.1 55.7

Manual Integrations

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3/13/2019 11:49:36 AM



#2

Dichlorodifluoromethane

Concen: 21.955 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054169.D

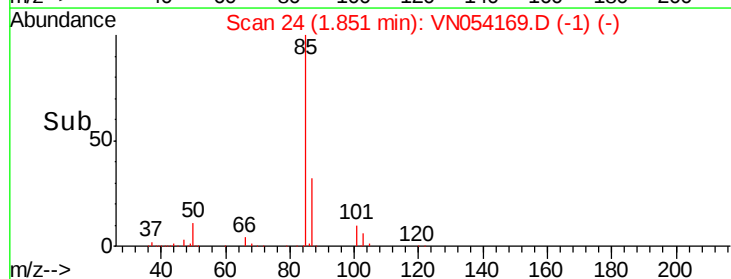
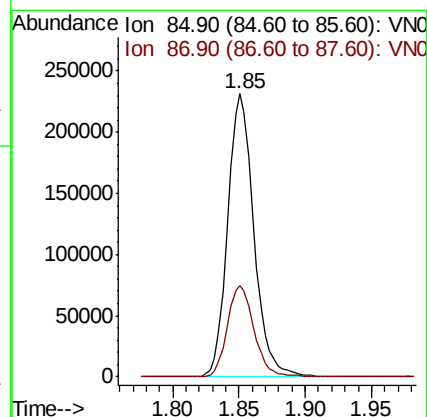
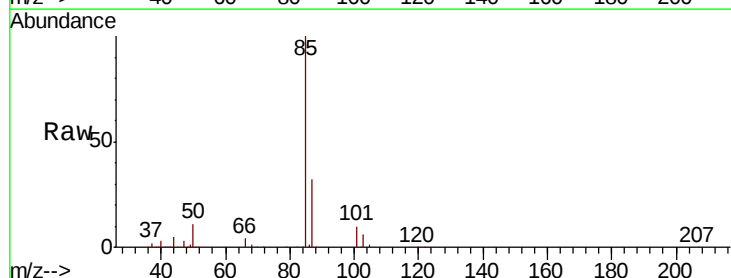
Acq: 12 Mar 2019 17:49

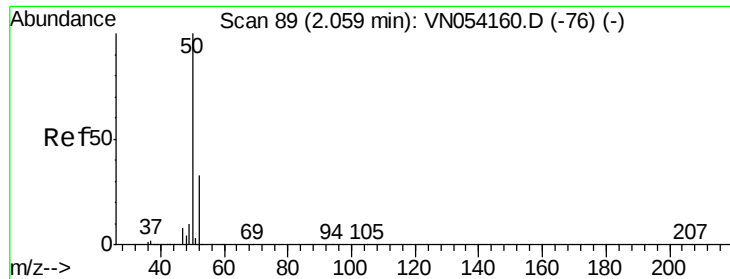
Tgt Ion: 85 Resp: 318000

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7





#3

Chloromethane

Concen: 20.520 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tgt Ion: 50 Resp: 288699

Ion Ratio Lower Upper

50 100

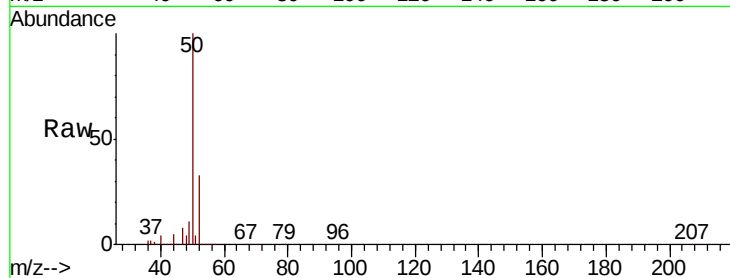
52 33.1 26.4 39.6

Manual Integrations

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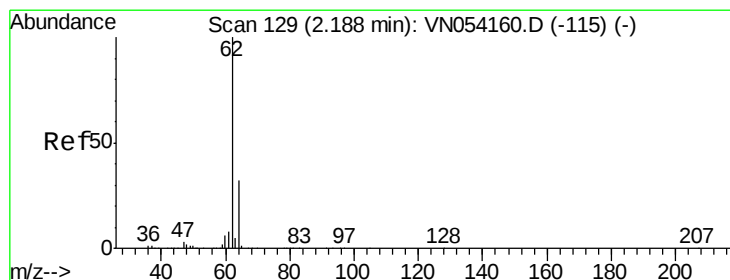
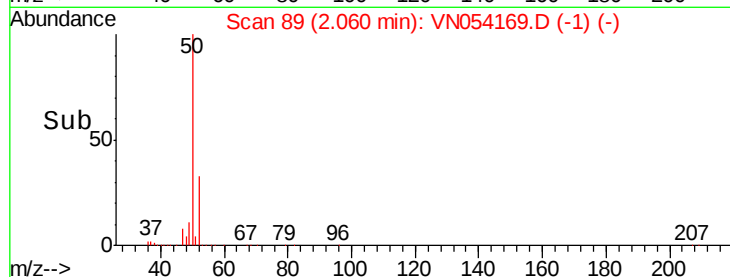
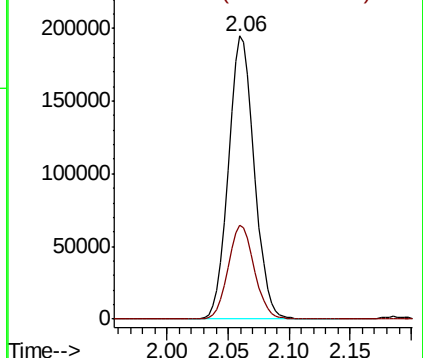
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 20.560 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054169.D

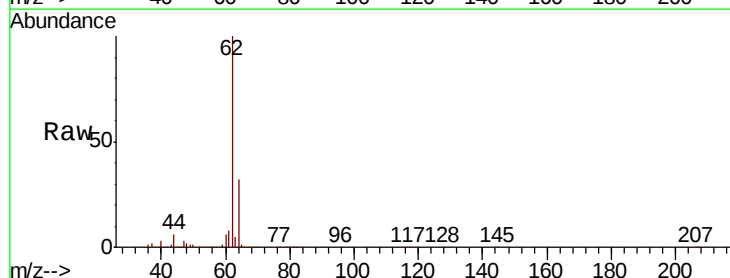
Acq: 12 Mar 2019 17:49

Tgt Ion: 62 Resp: 330631

Ion Ratio Lower Upper

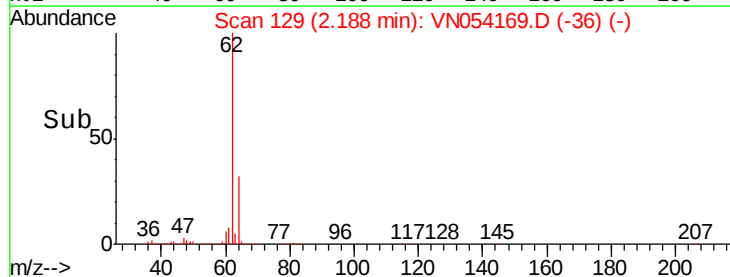
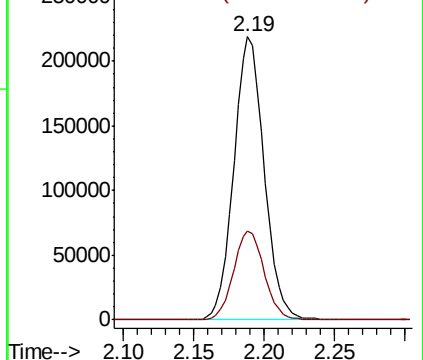
62 100

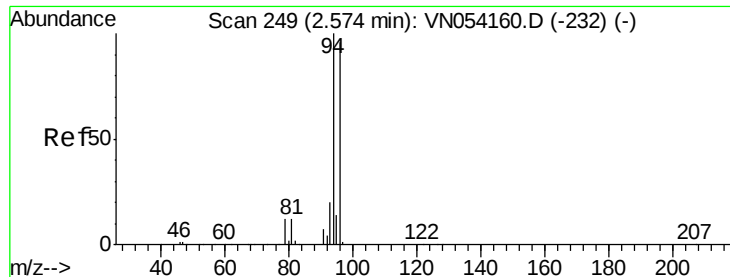
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 20.448 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

VN0312WBSD01

Tgt Ion: 94 Resp: 227736

Ion Ratio Lower Upper

94 100

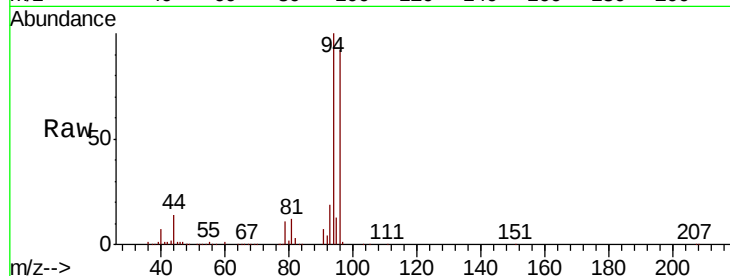
96 91.5 77.0 115.4

Manual Integrations

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3/13/2019 11:49:36 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

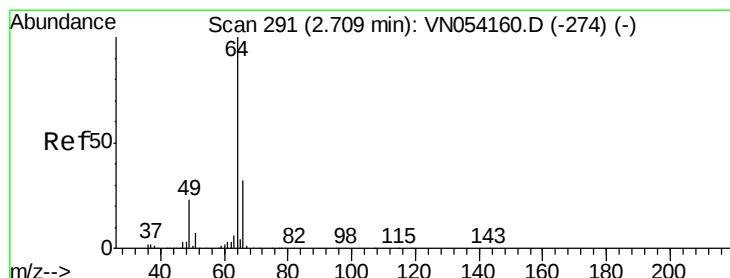
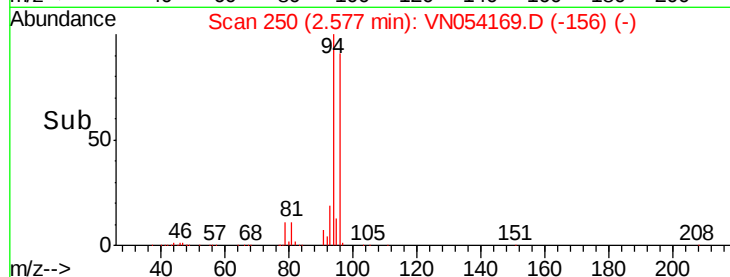
2.58

100000

50000

0

Time-->



#6

Chloroethane

Concen: 19.665 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054169.D

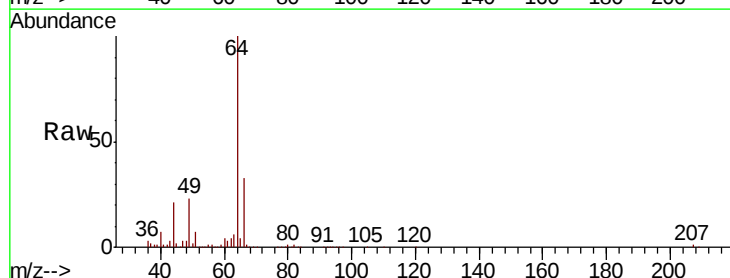
Acq: 12 Mar 2019 17:49

Tgt Ion: 64 Resp: 191331

Ion Ratio Lower Upper

64 100

66 32.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.71

100000

80000

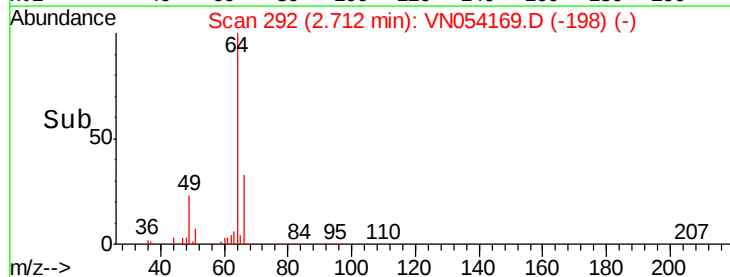
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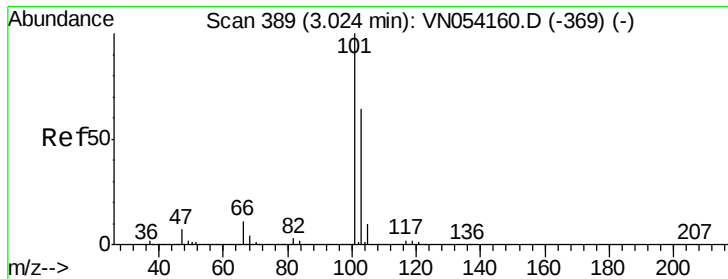
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20000

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Time-->





#7

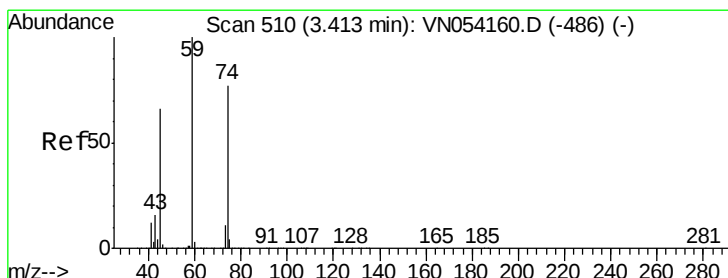
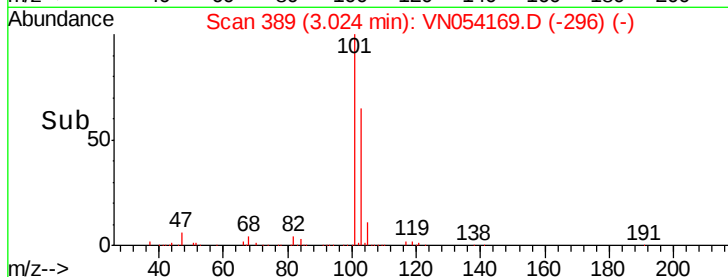
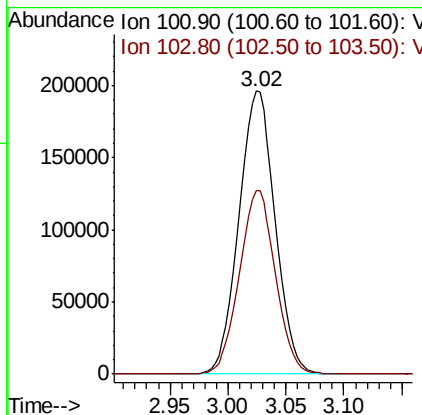
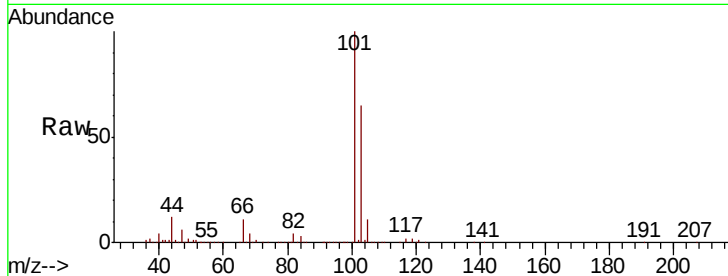
Trichlorofluoromethane
 Concen: 19.893 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Instrument :
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 VN0312WBSD01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.4	77.2

Manual Integrations
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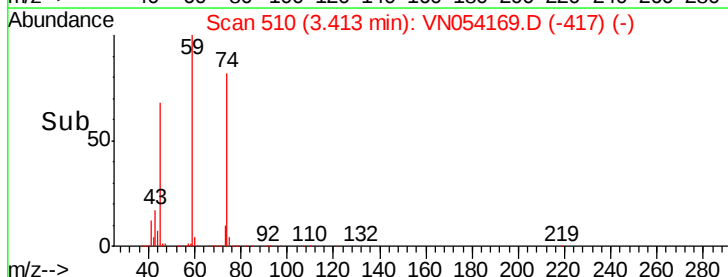
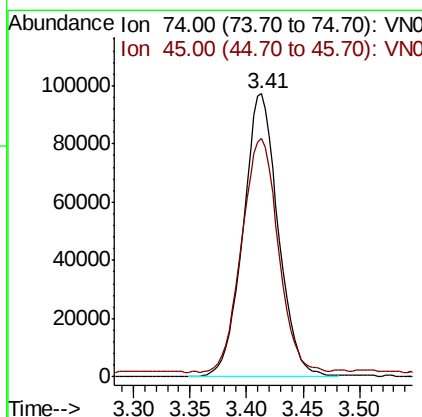
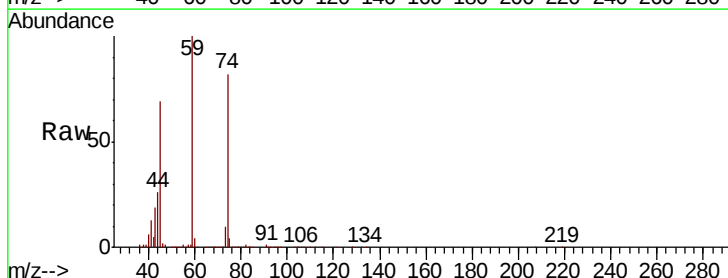
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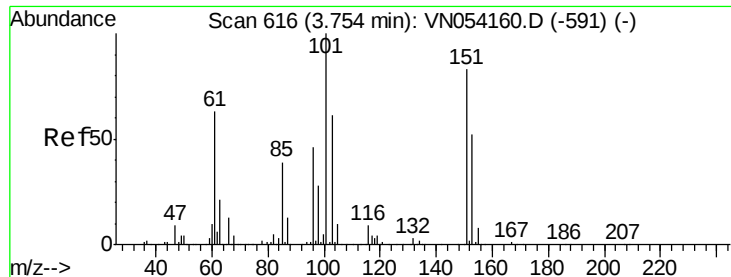


#8

Diethyl Ether
 Concen: 21.571 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.6	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.599 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

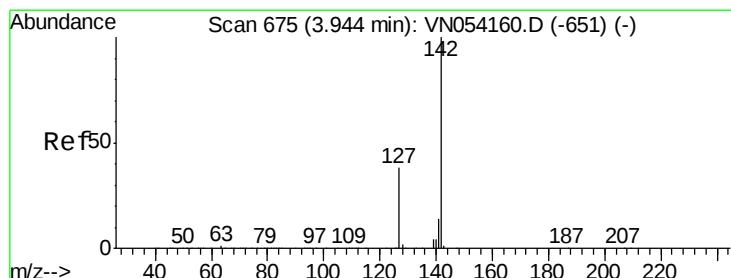
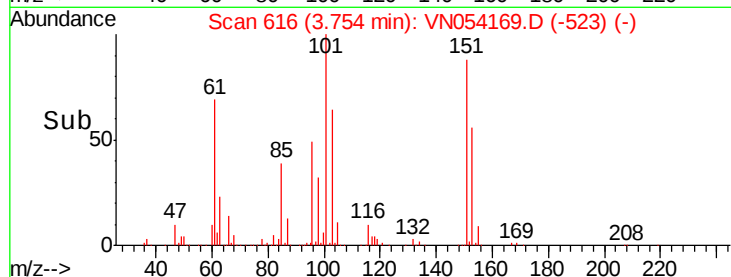
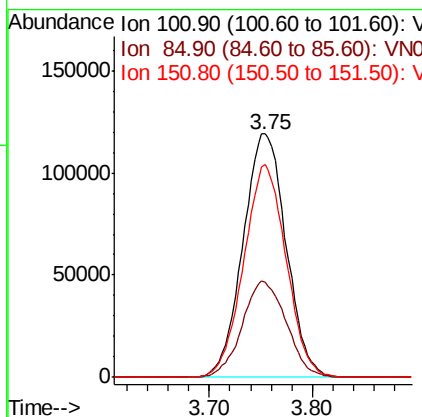
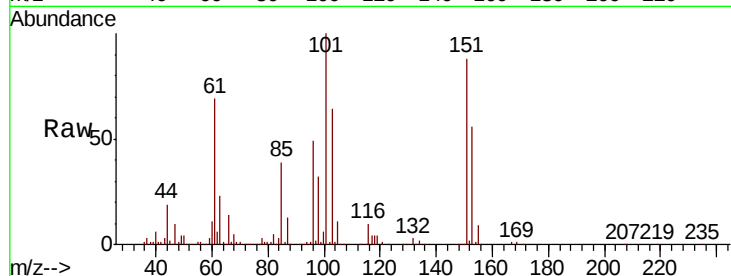
ClientSampleId :

VN0312WBSD01

Tgt Ion:	101	Resp:	346047
Ion Ratio	Lower	Upper	
101	100		
85	40.4	32.4	48.6
151	86.0	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.418 ug/l

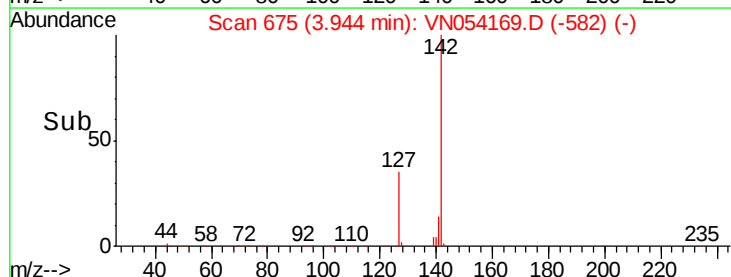
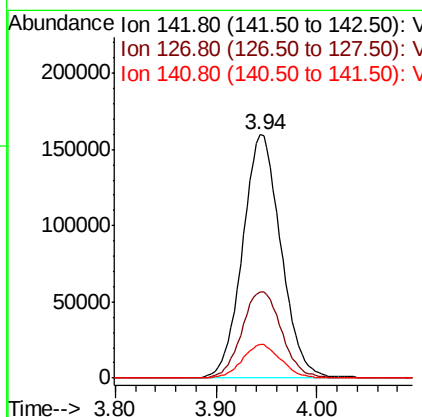
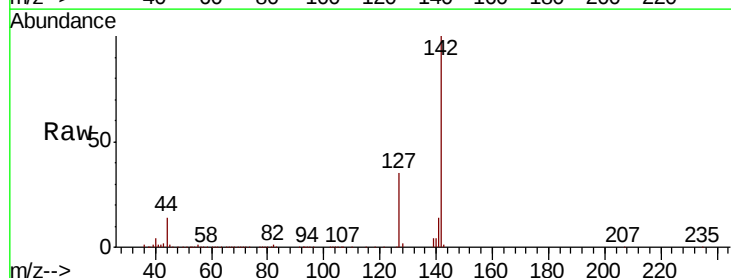
RT: 3.94 min Scan# 675

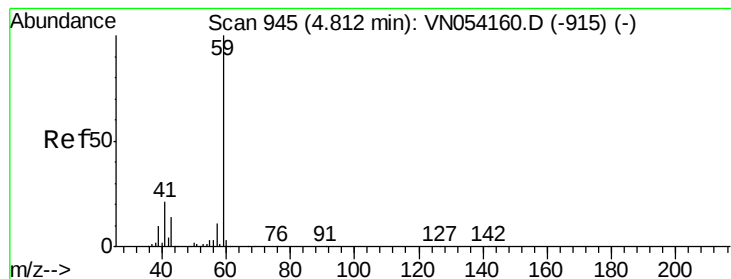
Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Tgt Ion:	142	Resp:	420346
Ion Ratio	Lower	Upper	
142	100		
127	36.9	30.3	45.5
141	13.9	11.2	16.8





#11

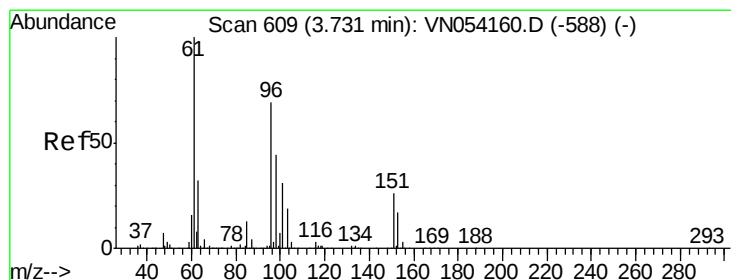
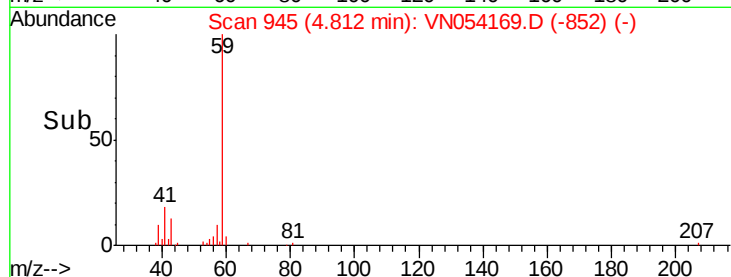
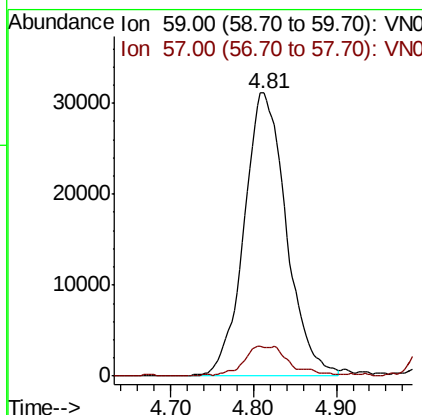
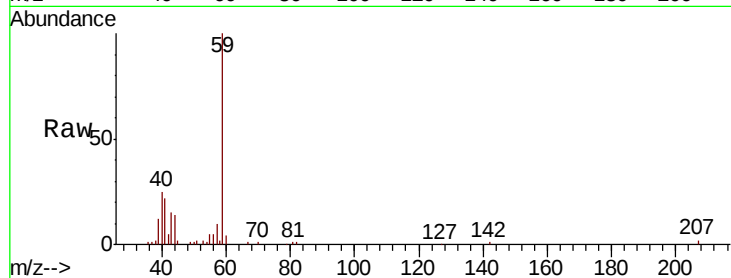
Tert butyl alcohol
 Concen: 99.186 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	6.2	9.0	13.6#

Manual Integrations
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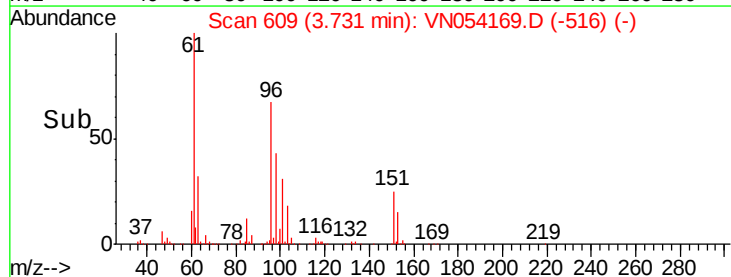
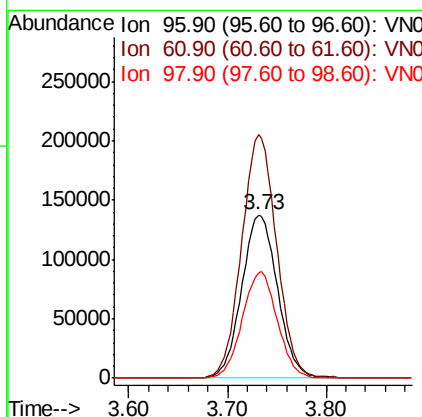
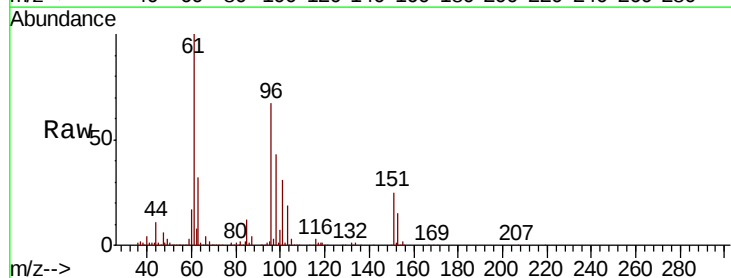
MMDadoda
 3/13/2019 11:49:36 AM

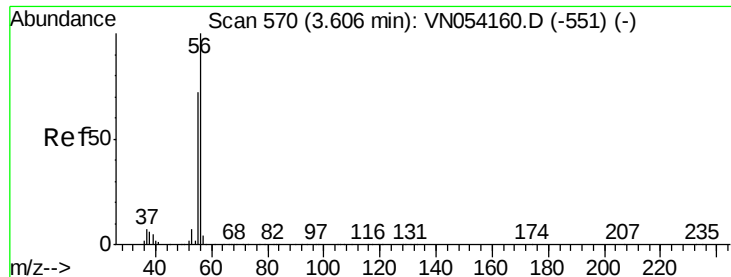


#12

1,1-Dichloroethene
 Concen: 21.661 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.4	116.5	174.7
98	64.7	51.0	76.4





#13

Acrolein

Concen: 92.219 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tgt Ion: 56 Resp: 97230

Ion Ratio Lower Upper

56 100

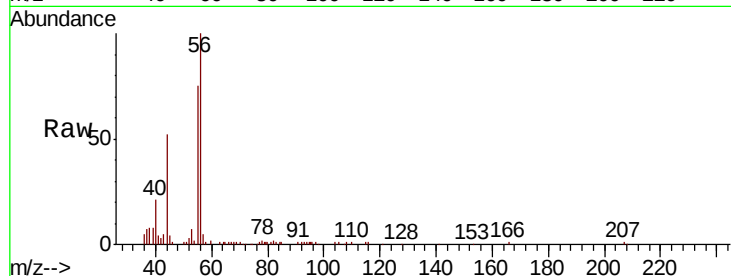
55 74.5 56.7 85.1

Manual Integrations

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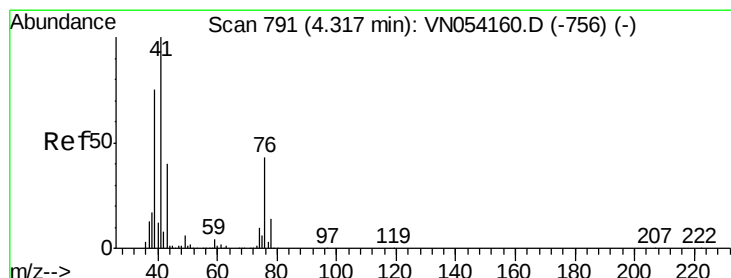
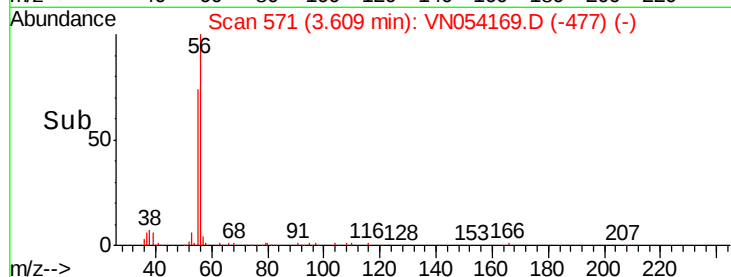
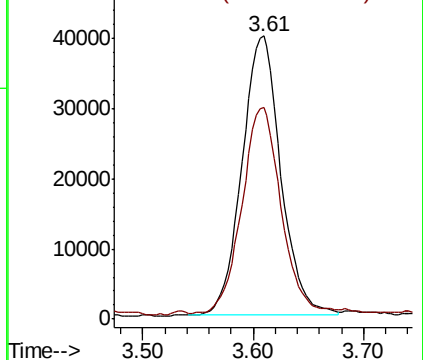
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.264 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

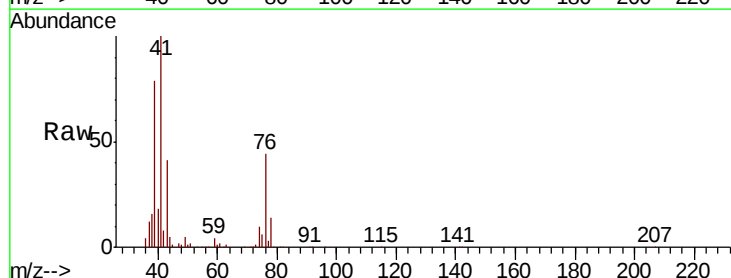
Tgt Ion: 41 Resp: 433162

Ion Ratio Lower Upper

41 100

39 73.0 58.2 87.4

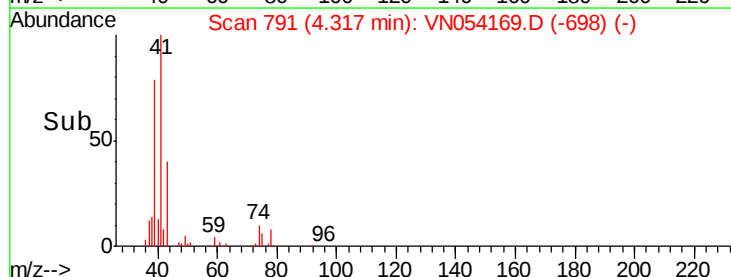
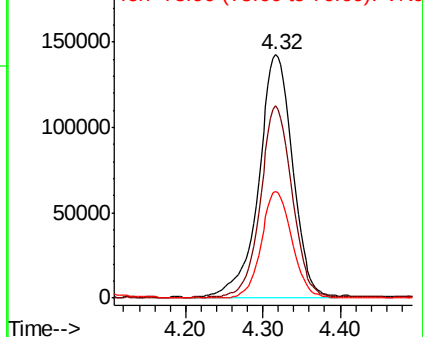
76 39.3 31.7 47.5

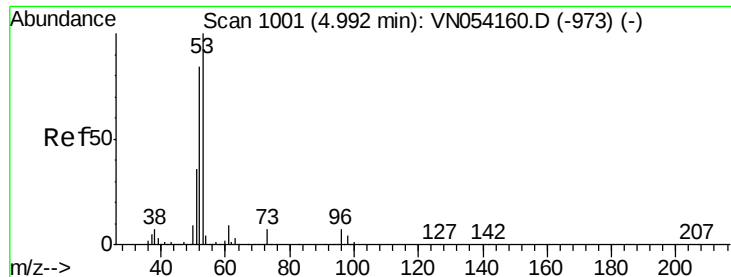


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 106.270 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

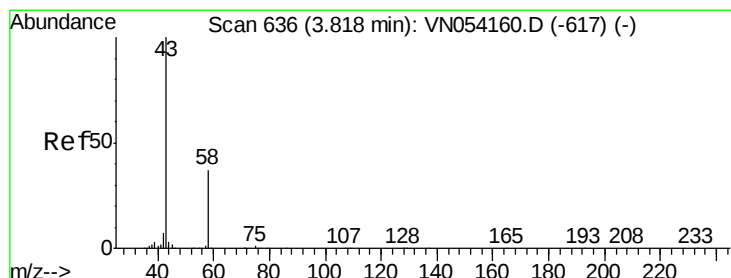
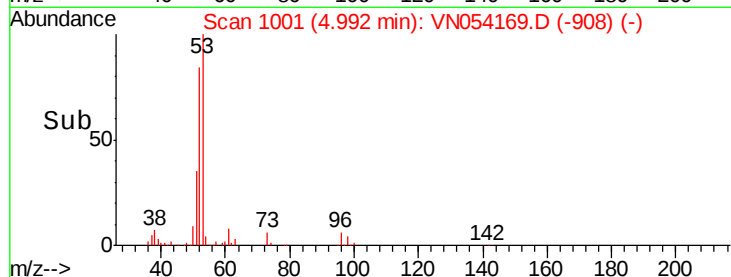
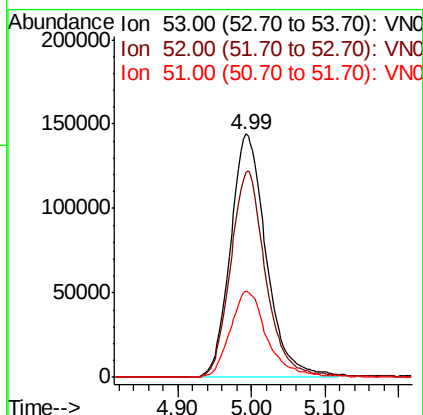
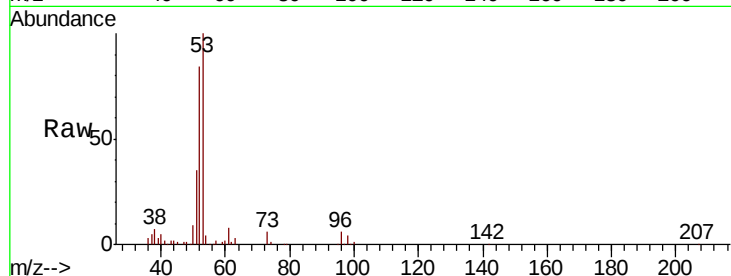
ClientSampleId :

VN0312WBSD01

Tgt Ion:	53	Resp:	485701
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.4	99.6
51	36.5	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 85.787 ug/l

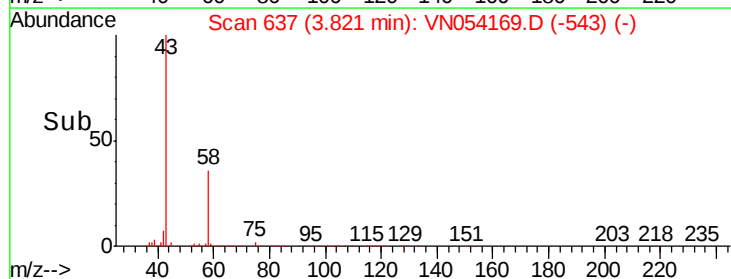
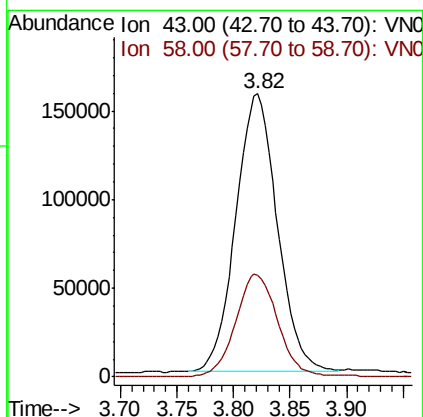
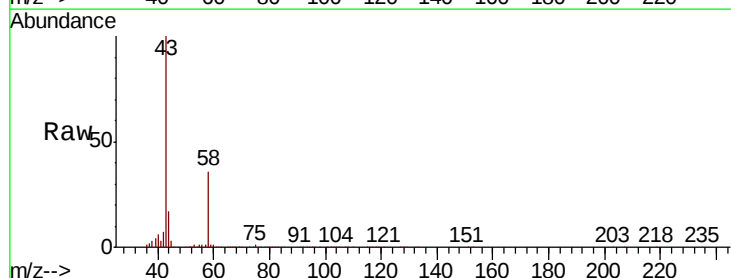
RT: 3.82 min Scan# 637

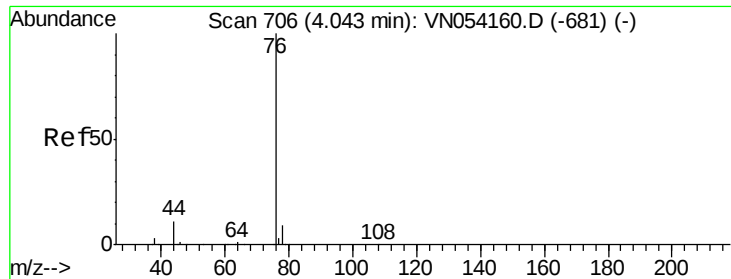
Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Tgt Ion:	43	Resp:	398658
Ion Ratio	Lower	Upper	
43	100		
58	36.3	29.9	44.9





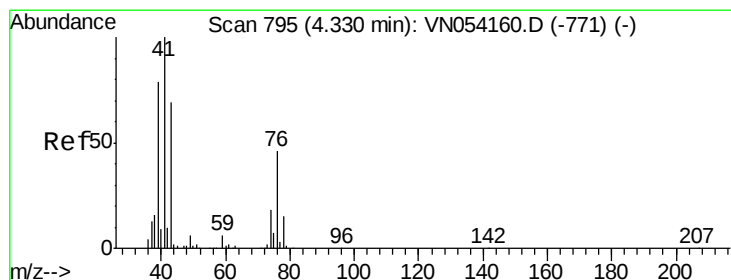
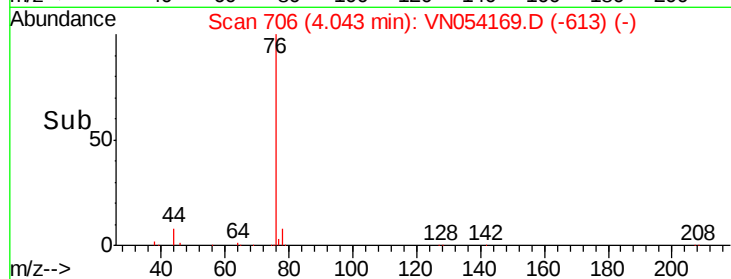
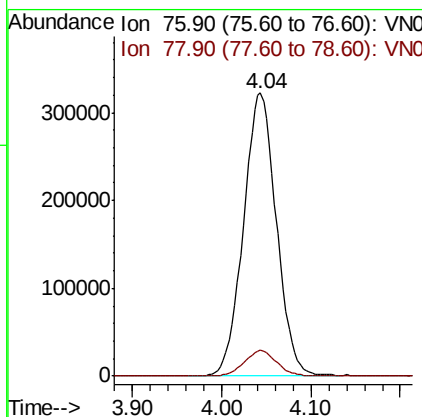
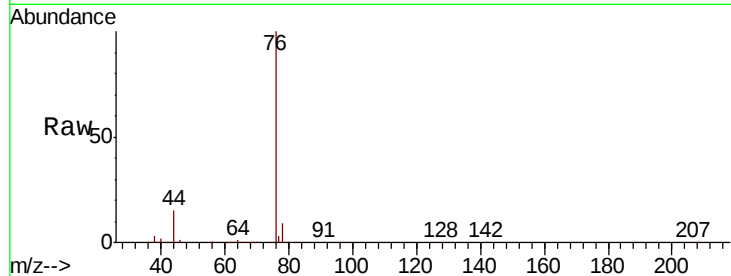
#17
Carbon Disulfide
Concen: 20.789 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tgt Ion: 76 Resp: 827406
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3

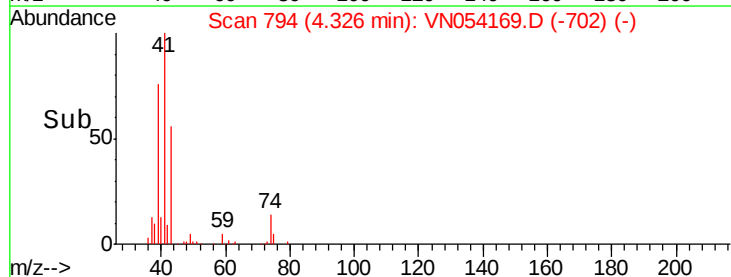
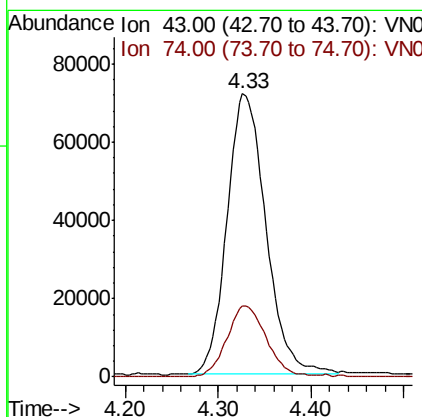
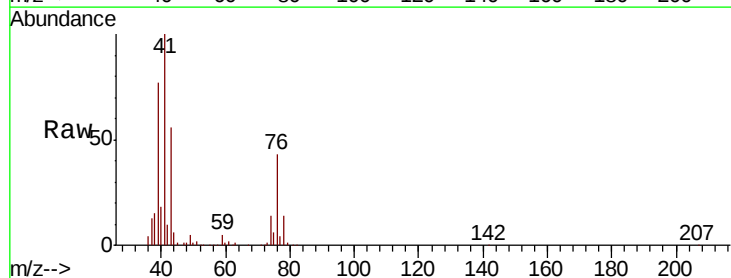
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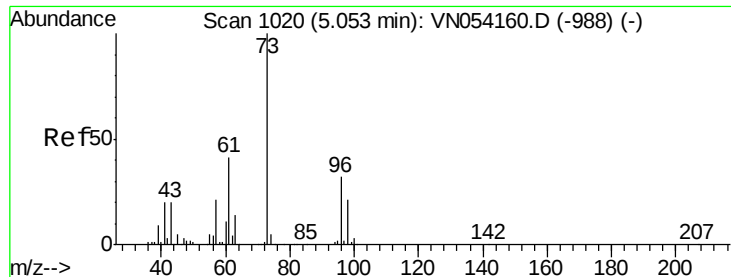
MMDadoda
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#18
Methyl Acetate
Concen: 22.232 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion: 43 Resp: 209019
Ion Ratio Lower Upper
43 100
74 25.7 20.8 31.2





#19

Methyl tert-butyl Ether

Concen: 21.719 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tgt Ion: 73 Resp: 854740

Ion Ratio Lower Upper

73 100

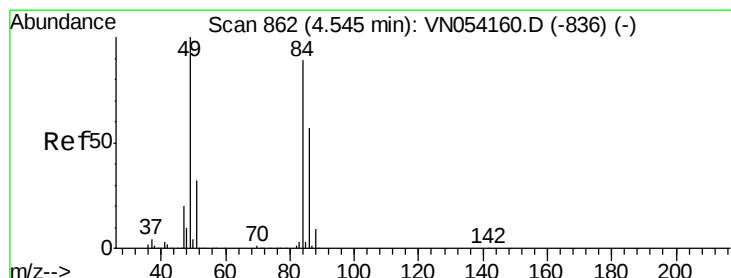
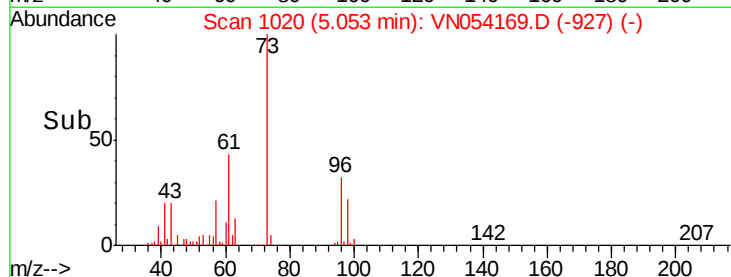
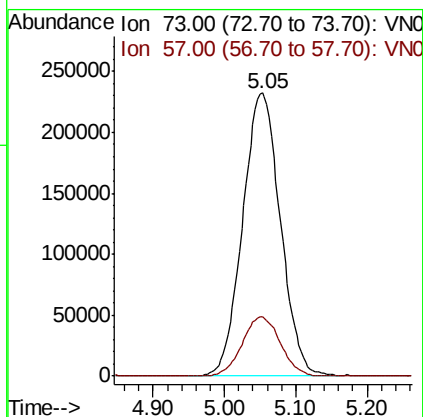
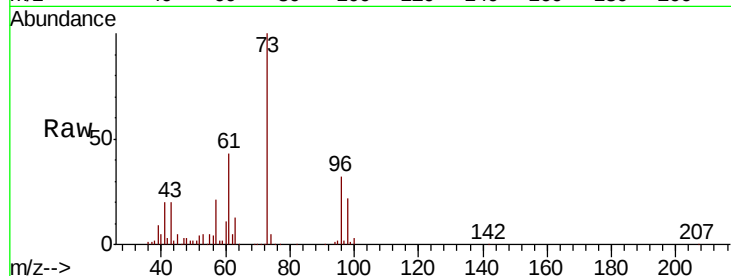
57 20.9 16.8 25.2

Manual Integrations

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#20

Methylene Chloride

Concen: 21.237 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Tgt Ion: 84 Resp: 324053

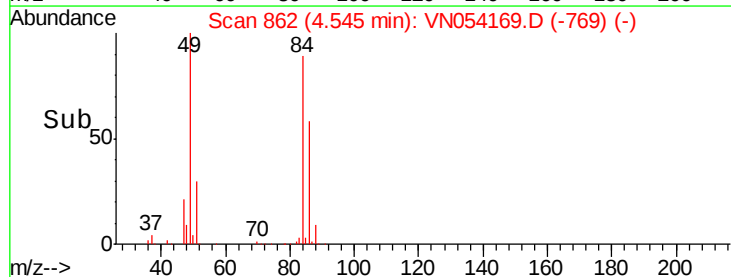
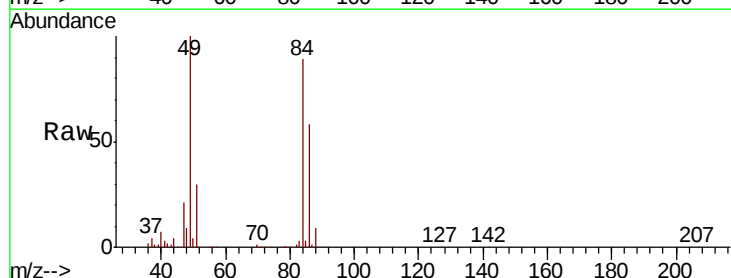
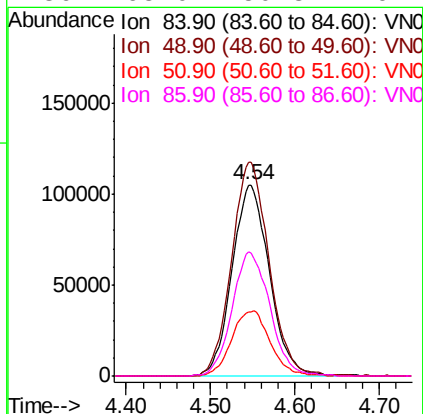
Ion Ratio Lower Upper

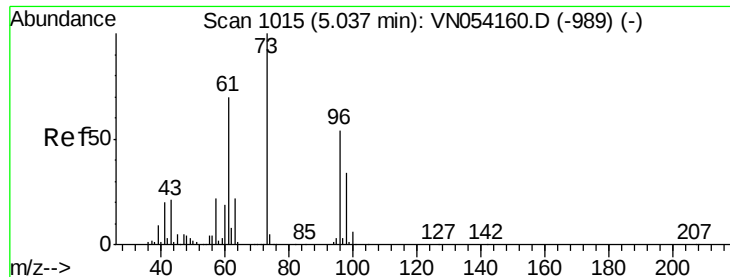
84 100

49 111.5 89.7 134.5

51 33.4 28.2 42.4

86 65.0 50.8 76.2





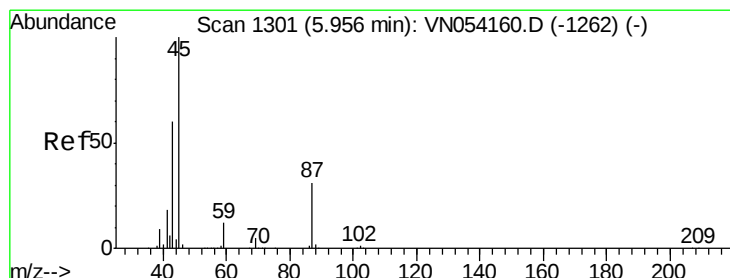
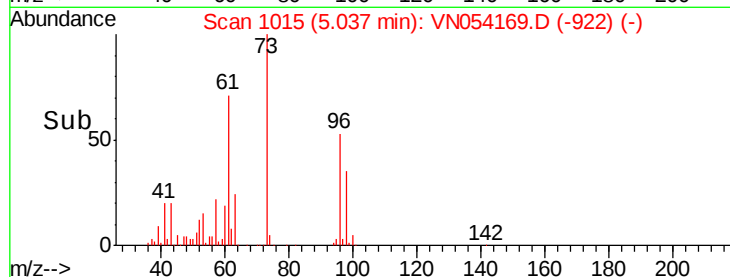
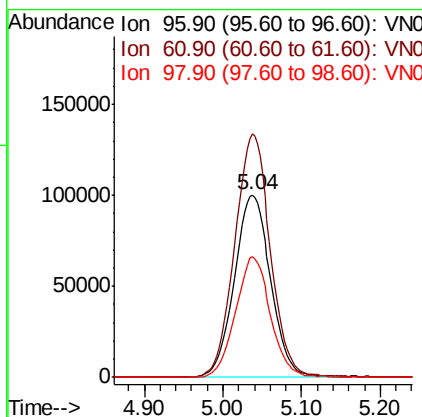
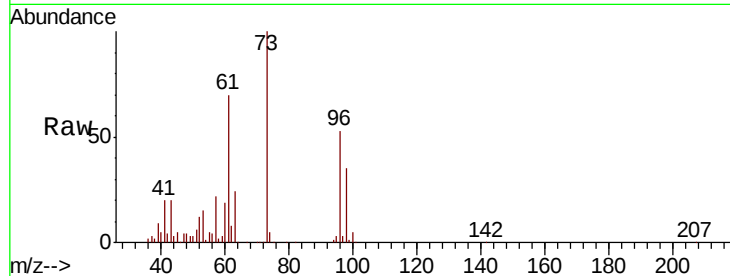
#21
trans-1,2-Dichloroethene
Concen: 21.273 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampled :
VN0312WBSD01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.5	102.8	154.2
98	66.2	50.0	75.0

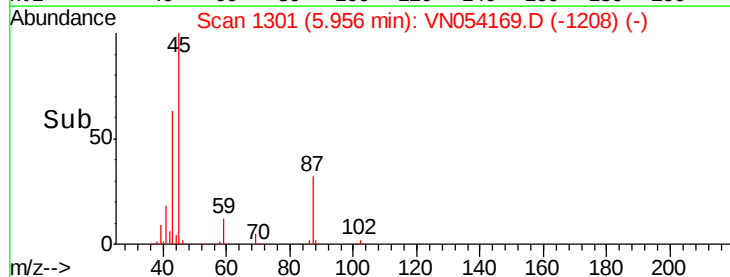
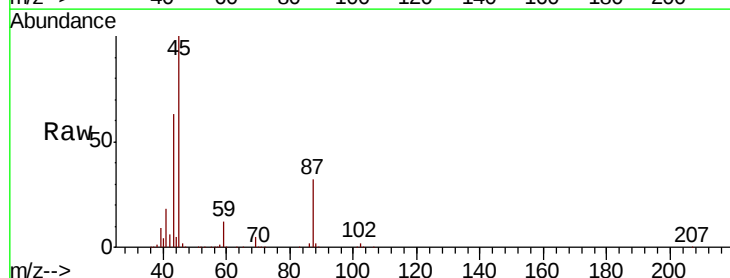
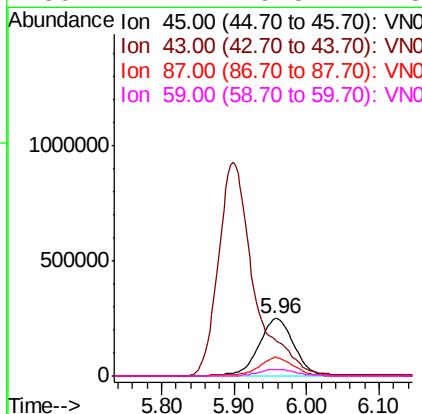
Manual Integrations
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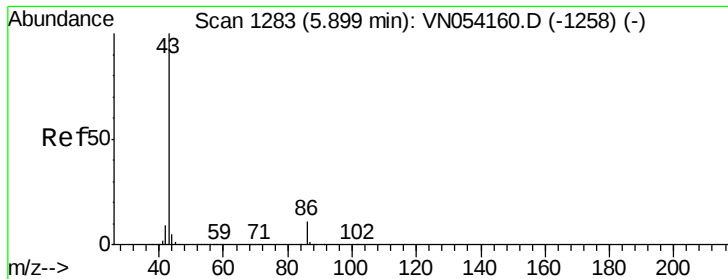
MMDadoda
3/13/2019 11:49:36 AM



#22
Diisopropyl ether
Concen: 20.881 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.2	48.2	72.2
87	31.8	24.9	37.3
59	11.1	9.5	14.3





#23

Vinyl Acetate

Concen: 106.019 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tgt Ion: 43 Resp: 3178037

Ion Ratio Lower Upper

43 100

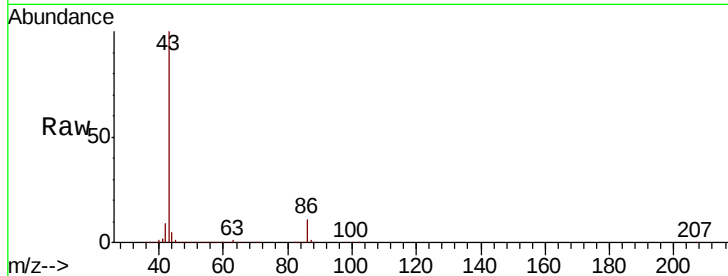
86 11.3 9.1 13.7

Manual Integrations

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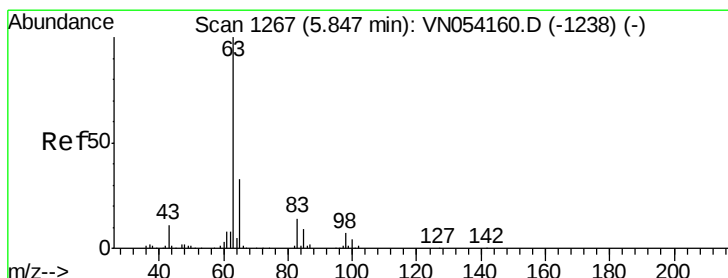
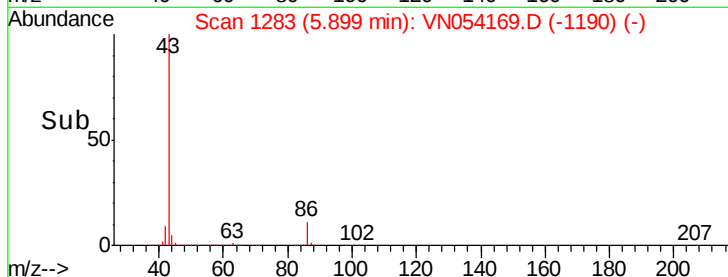
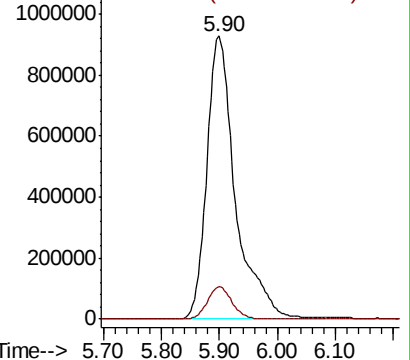
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.268 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

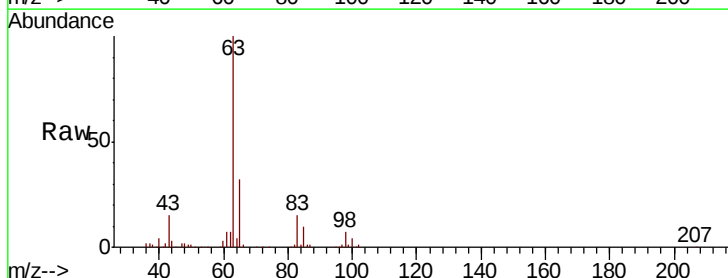
Tgt Ion: 63 Resp: 555206

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

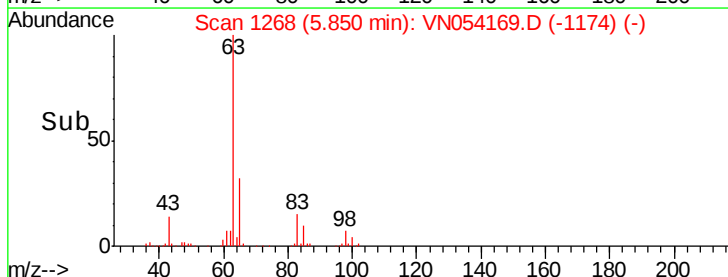
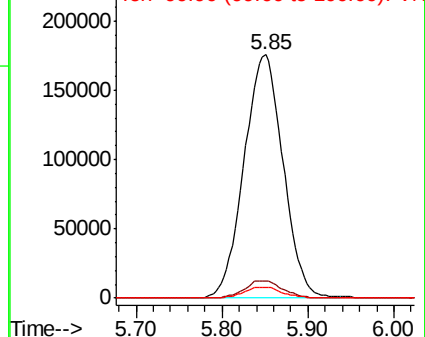
100 4.5 2.0 6.0

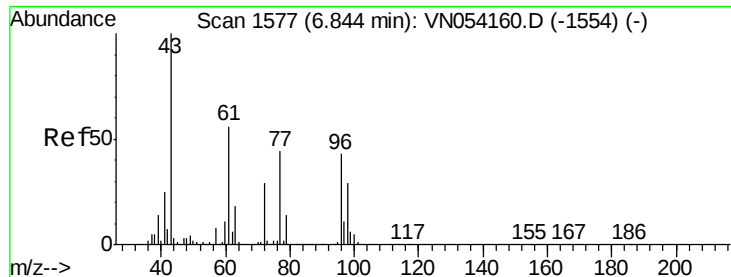


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





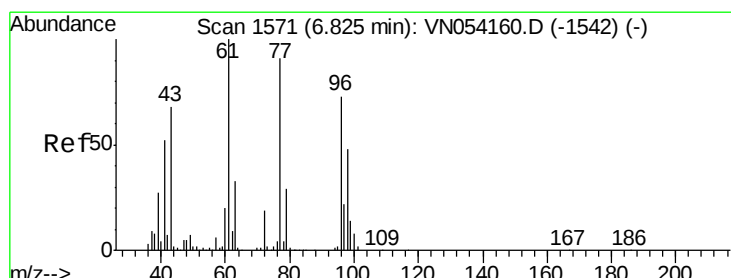
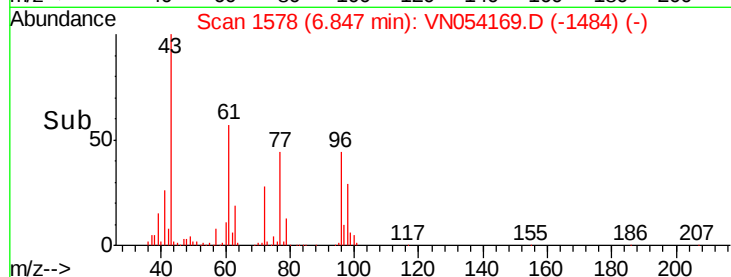
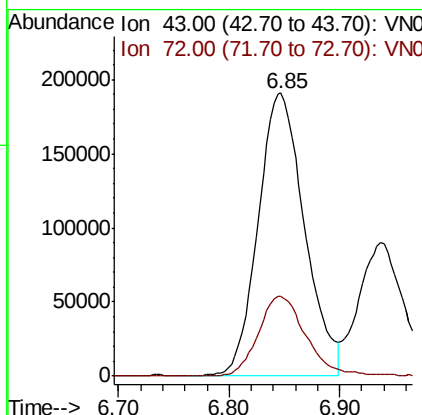
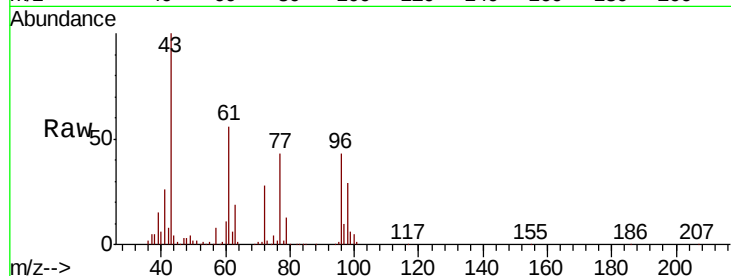
#25
 2-Butanone
 Concen: 101.403 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0312WBSD01

Tgt Ion: 43 Resp: 553080
 Ion Ratio Lower Upper
 43 100
 72 28.1 23.0 34.6

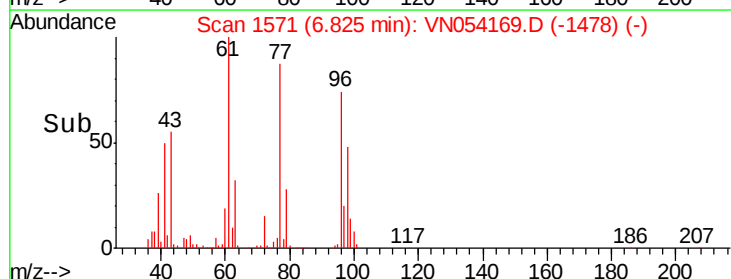
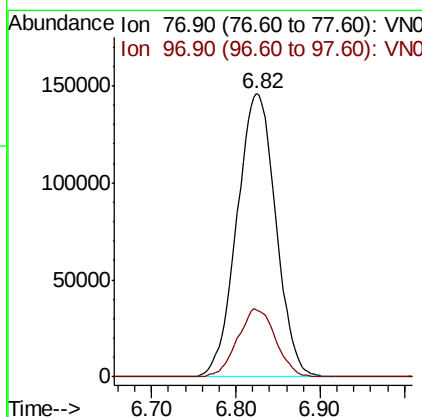
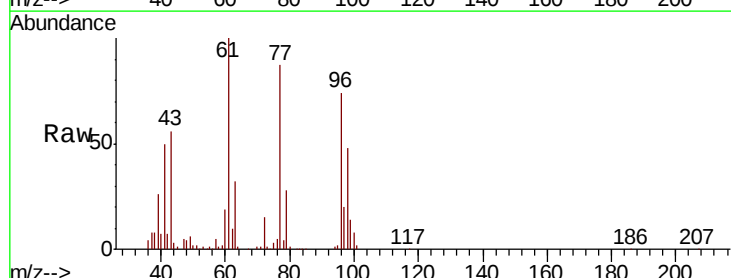
Manual Integrations
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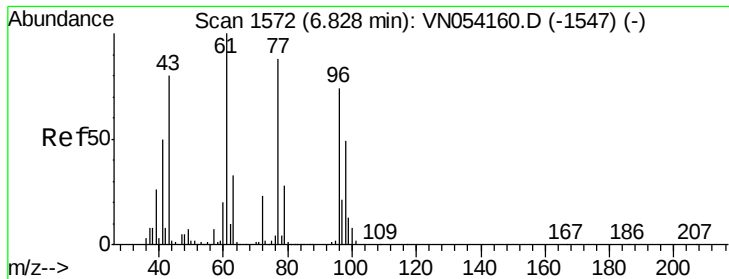
MMDadoda
 3/13/2019 11:49:36 AM



#26
 2,2-Dichloropropane
 Concen: 20.359 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion: 77 Resp: 467379
 Ion Ratio Lower Upper
 77 100
 97 23.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.895 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

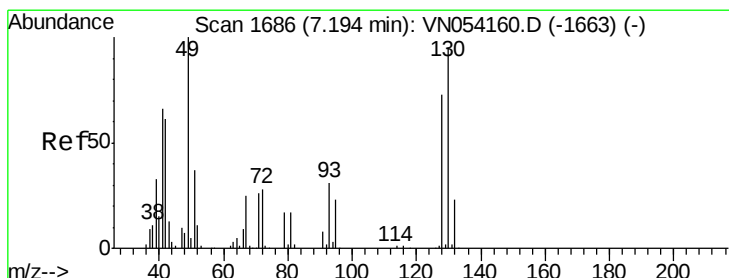
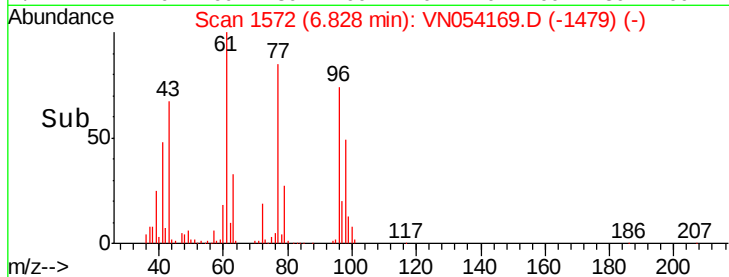
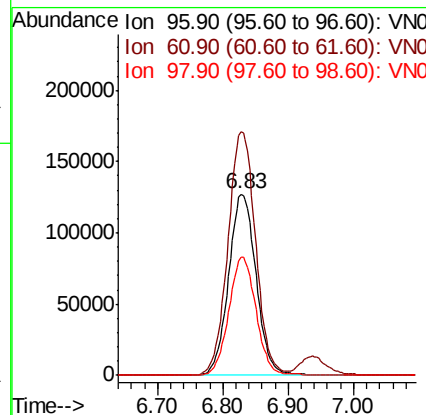
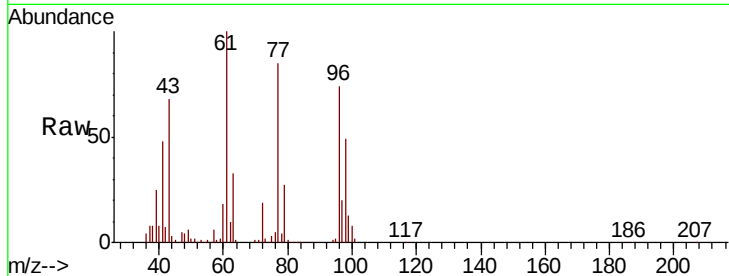
ClientSampleId :

VN0312WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	371588		
61	134.7	0.0	273.0	
98	64.4	0.0	130.6	

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#28

Bromochloromethane

Concen: 20.545 ug/l

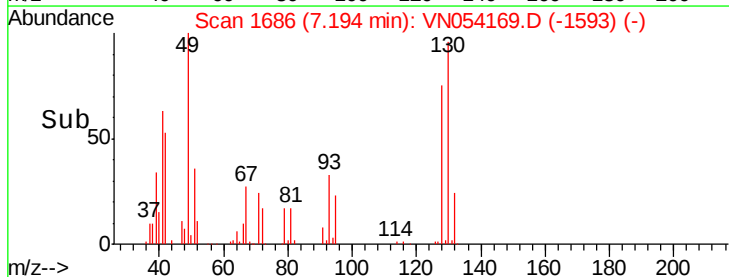
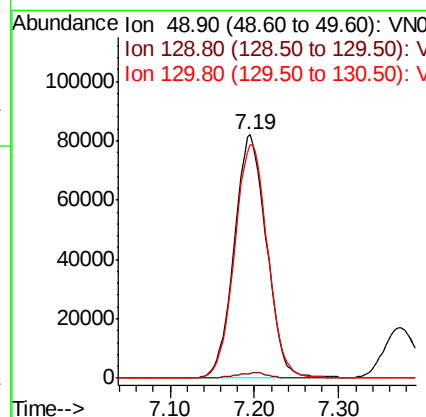
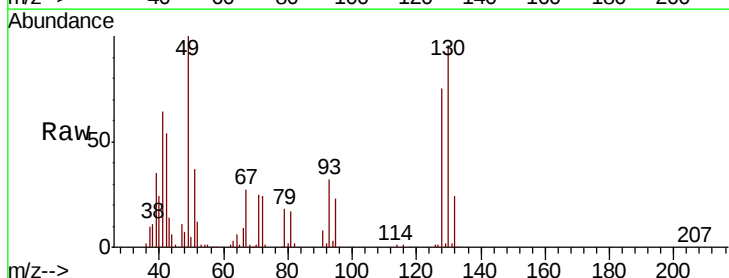
RT: 7.19 min Scan# 1686

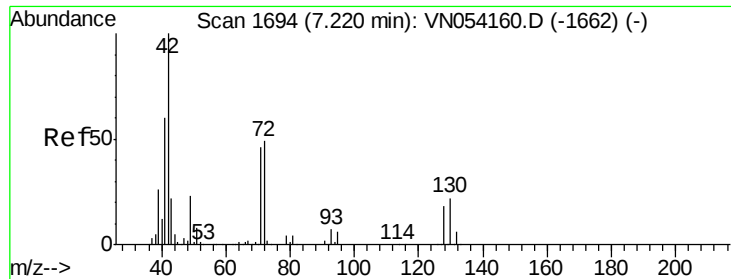
Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	219254		
129	2.2	0.0	4.6	
130	98.0	76.7	115.1	





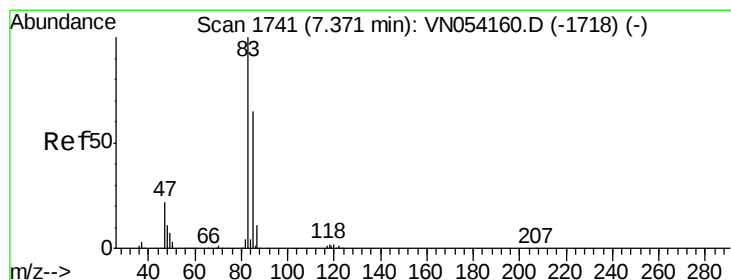
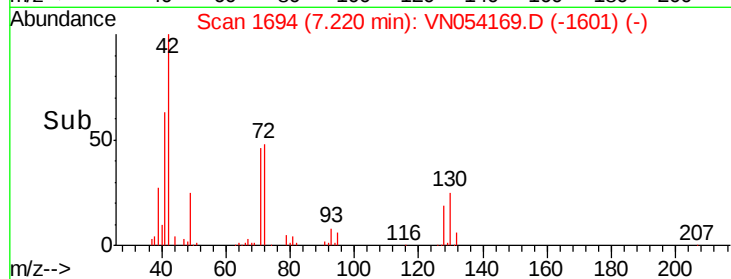
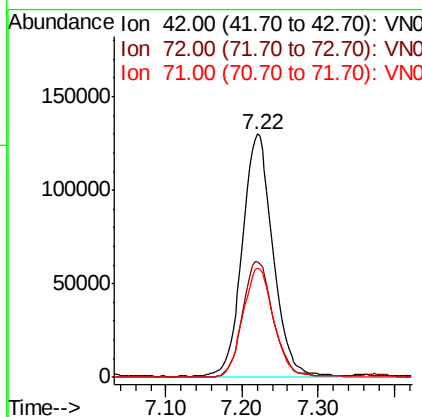
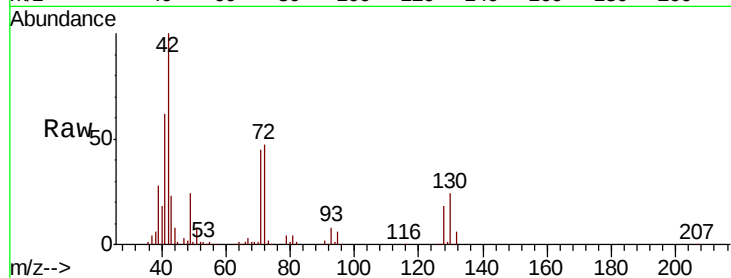
#29
Tetrahydrofuran
Concen: 103.056 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.0	37.8	56.6
71	45.8	36.2	54.2

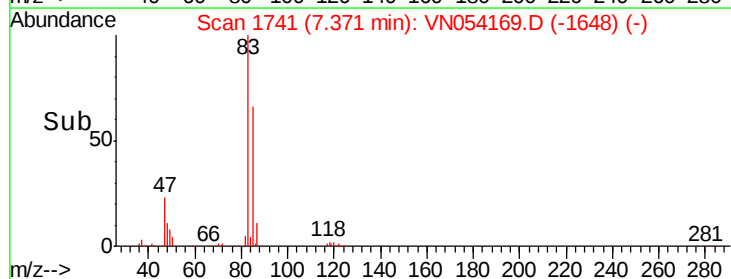
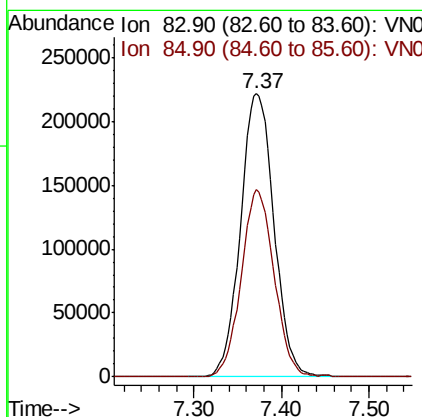
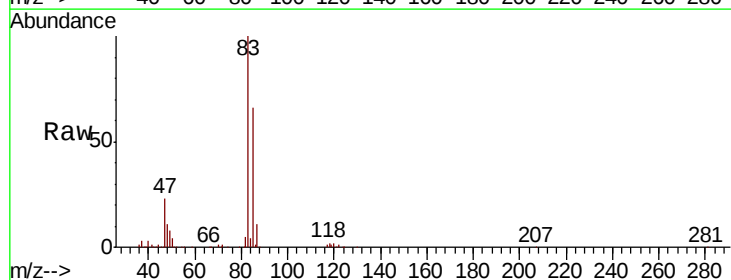
Manual Integrations
APPROVED

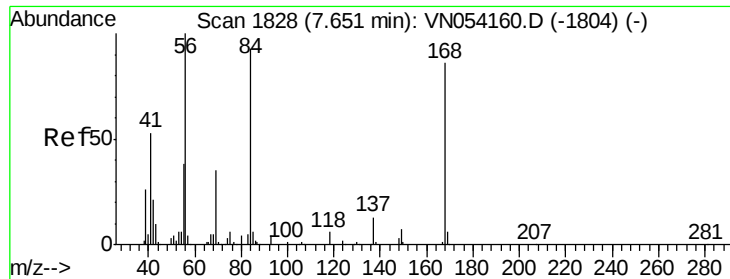
MMDadoda
3/13/2019 11:49:36 AM



#30
Chloroform
Concen: 21.578 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.2	78.4





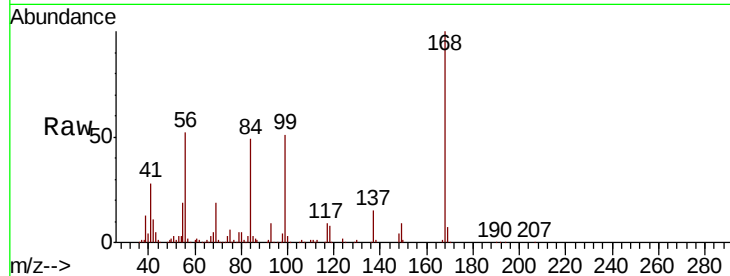
#31
Cyclohexane
Concen: 20.730 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	35.9	27.8	41.6
84	93.6	74.6	111.8

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3/13/2019 11:49:36 AM

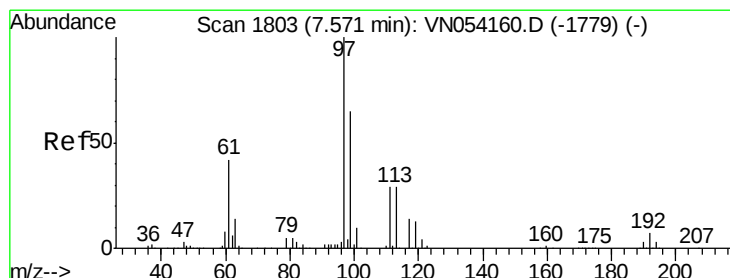
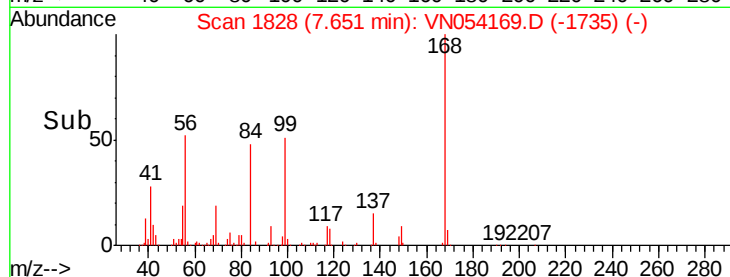
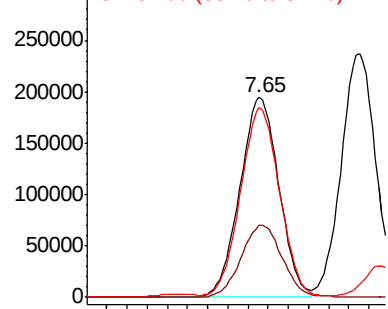


Abundance

Ion 56.00 (55.70 to 56.70): VN0

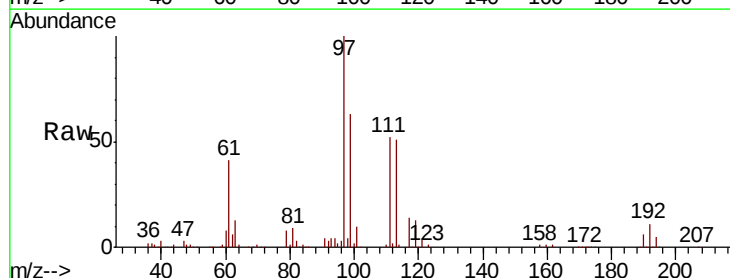
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32
1,1,1-Trichloroethane
Concen: 21.401 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.5	77.3
61	42.4	33.6	50.4

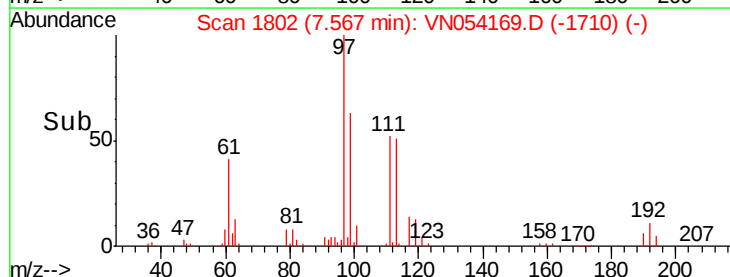
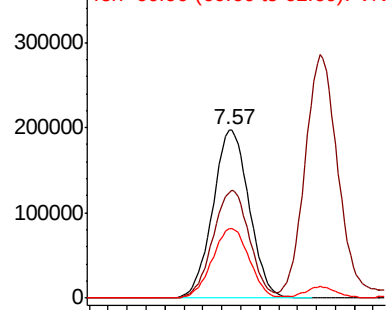


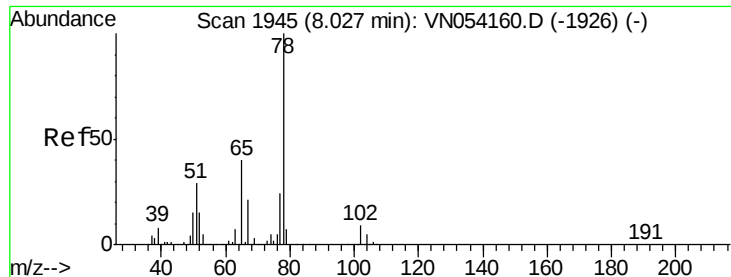
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





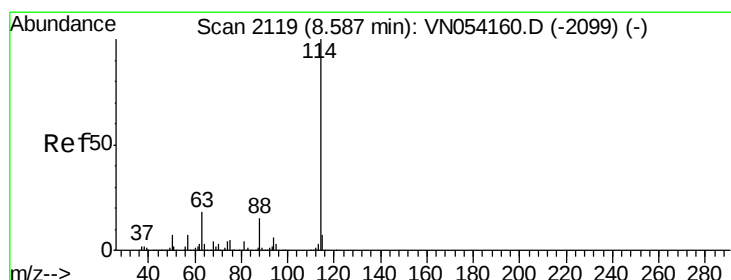
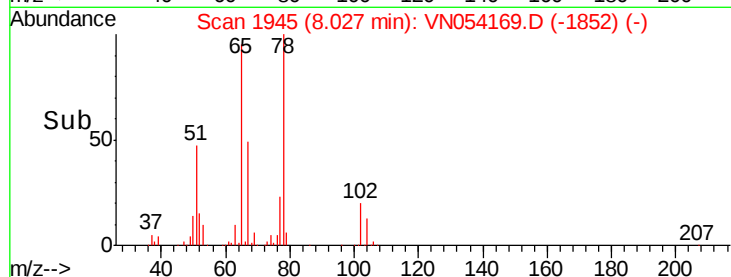
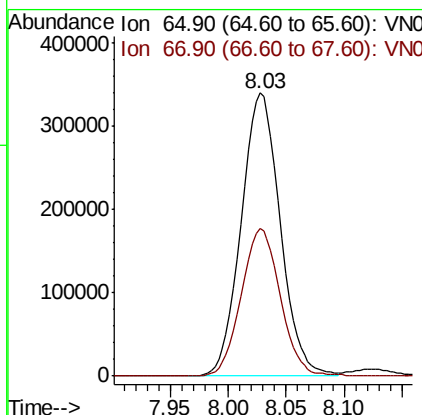
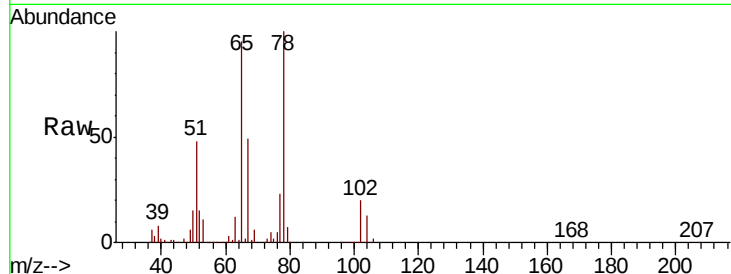
#33
 1,2-Dichloroethane-d4
 Concen: 49.122 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	797266		
67	52.4	0.0	104.6	

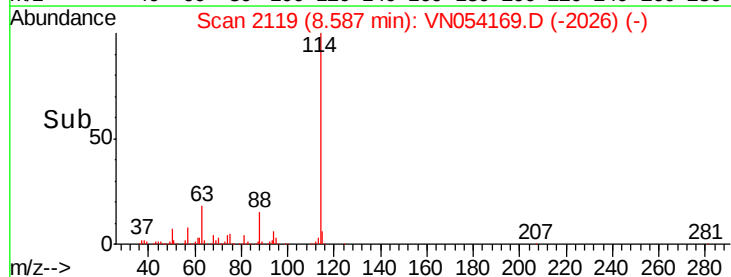
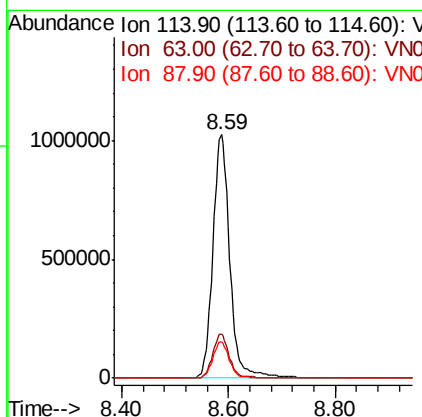
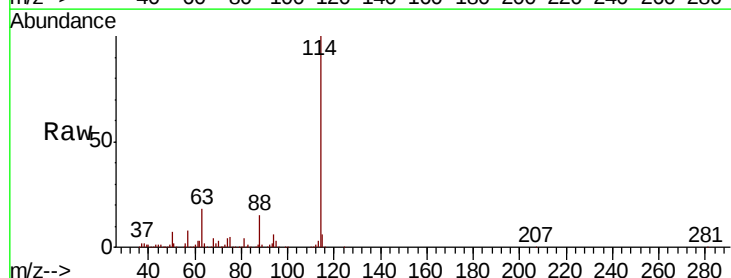
Manual Integrations
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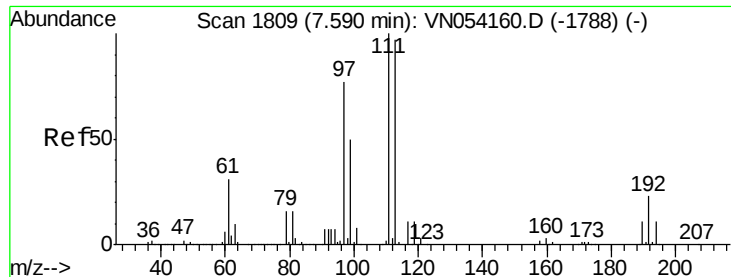
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2262978		
63	18.2	0.0	35.2	
88	15.2	0.0	30.2	





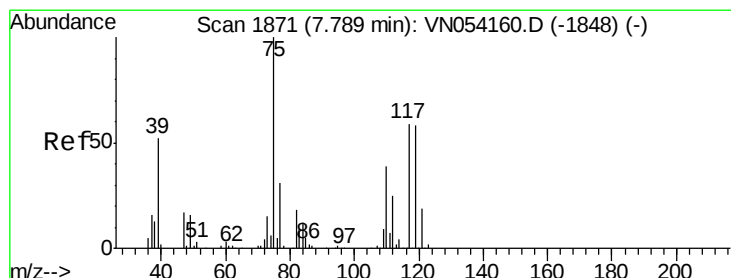
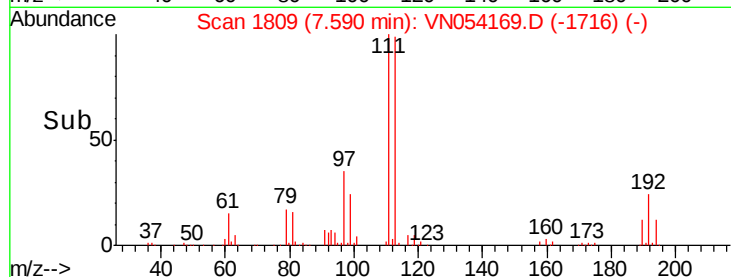
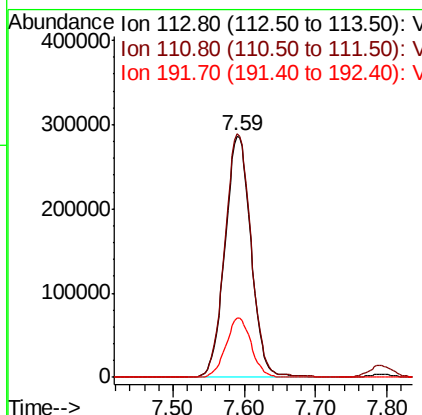
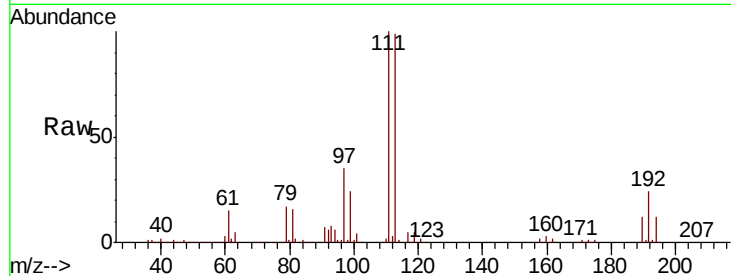
#35
Dibromofluoromethane
Concen: 49.733 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	725867		
111	101.7	82.2	123.4	
192	24.1	19.2	28.8	

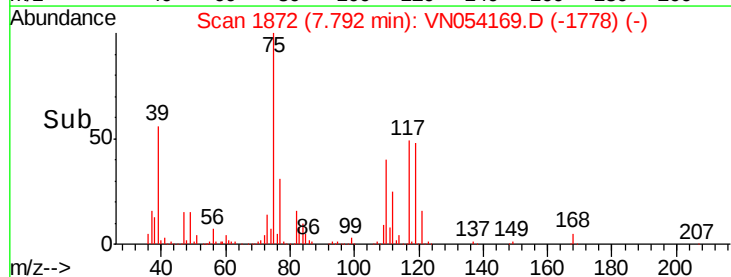
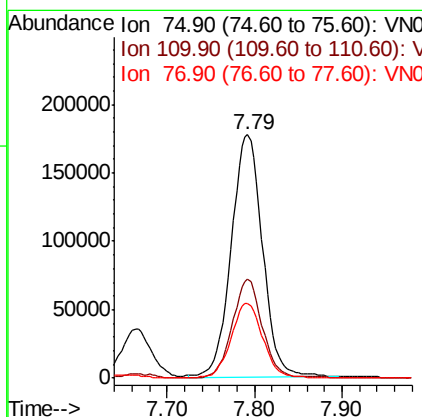
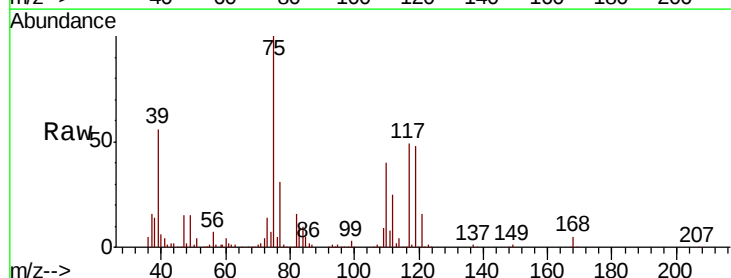
Manual Integrations
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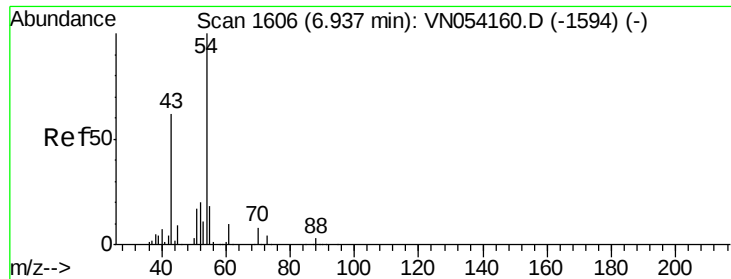
MMDadoda
3/13/2019 11:49:36 AM



#36
1,1-Dichloropropene
Concen: 21.174 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	441265		
110	38.8	19.1	57.5	
77	31.5	25.0	37.4	





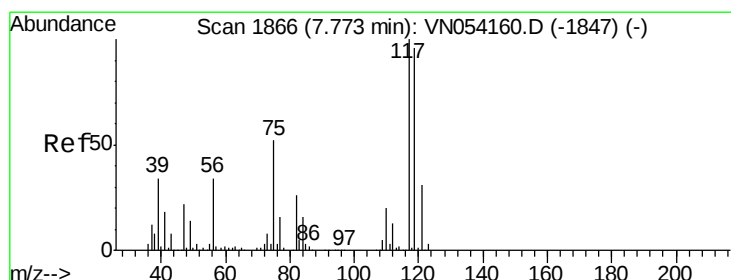
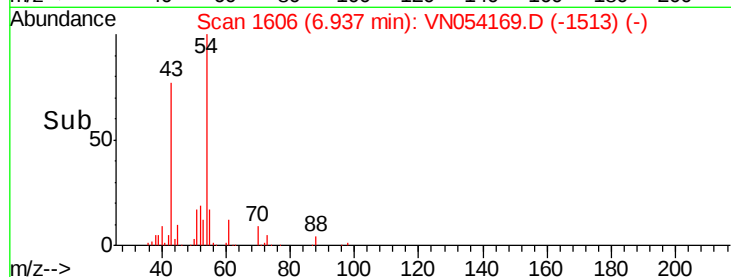
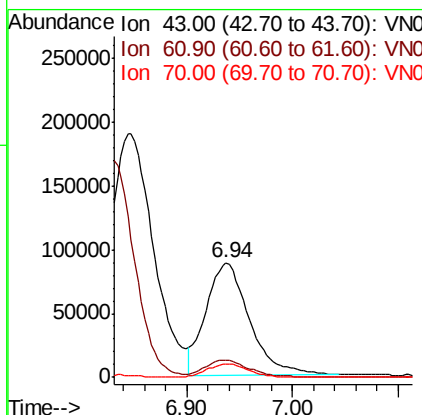
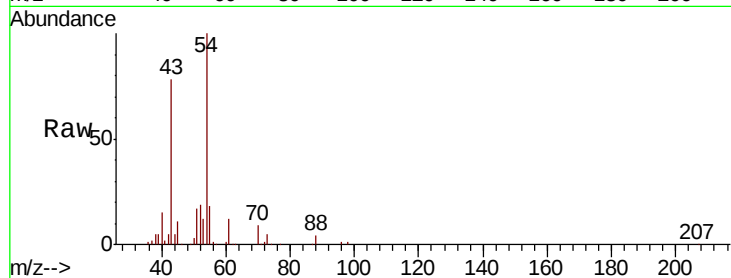
#37
Ethyl Acetate
Concen: 20.962 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampled :
VN0312WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	11.2	8.4	12.6

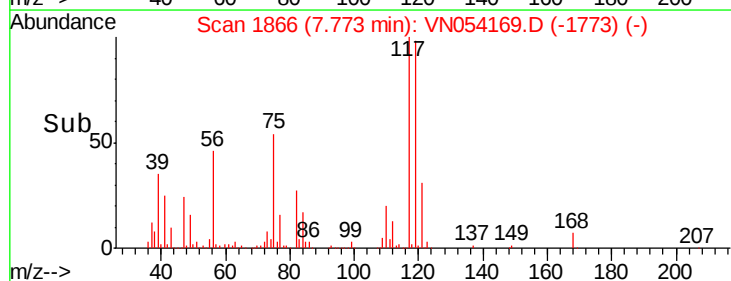
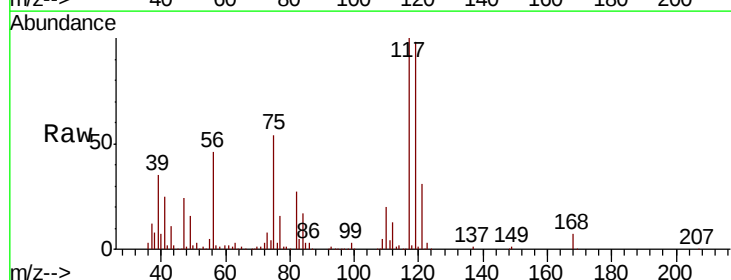
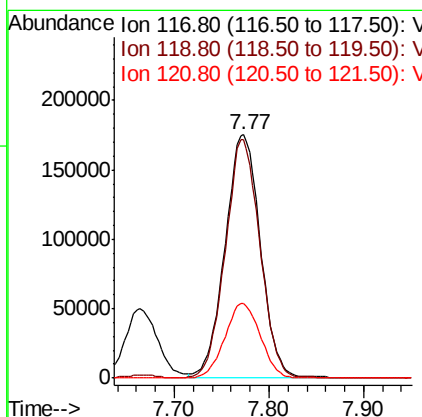
Manual Integrations
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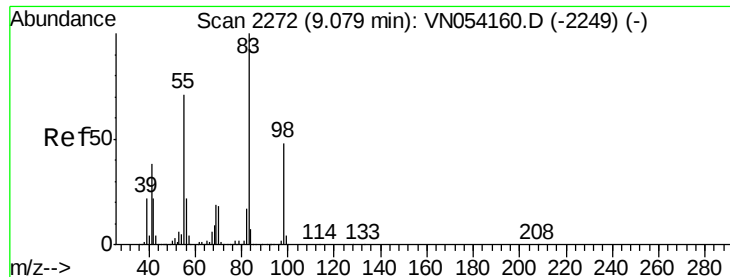
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#38
Carbon Tetrachloride
Concen: 20.698 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.3	114.5
121	30.8	24.6	36.8





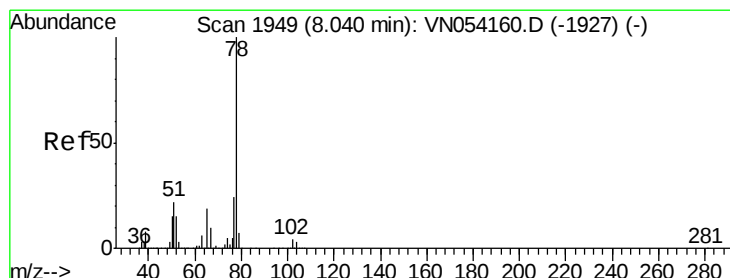
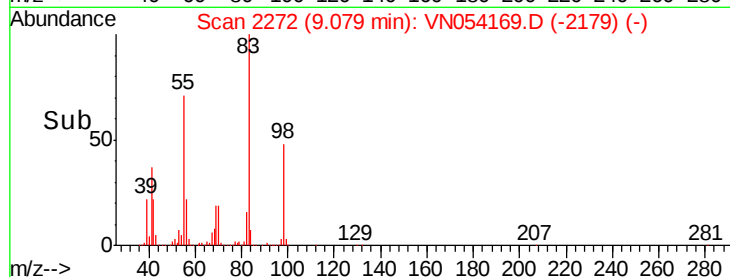
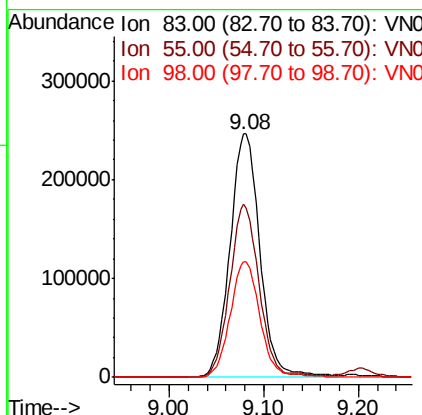
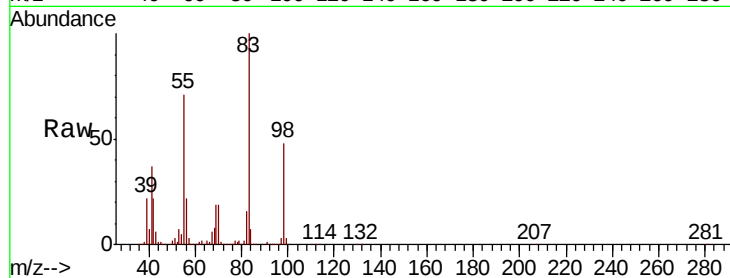
#39
Methylcyclohexane
Concen: 21.179 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.2	56.6	84.8
98	47.6	38.4	57.6

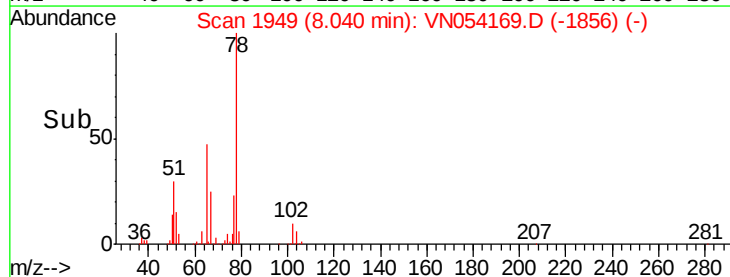
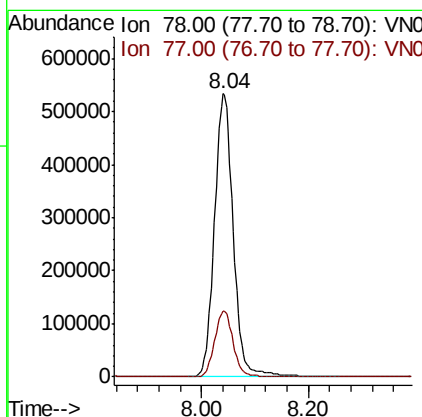
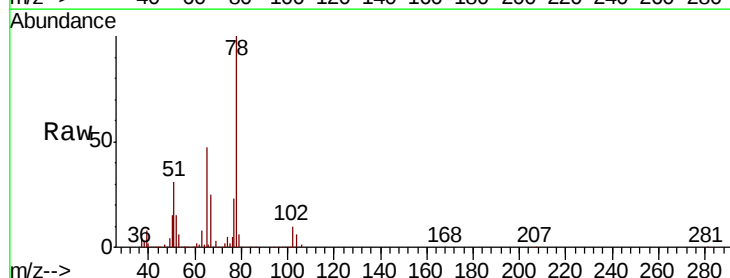
Manual Integrations
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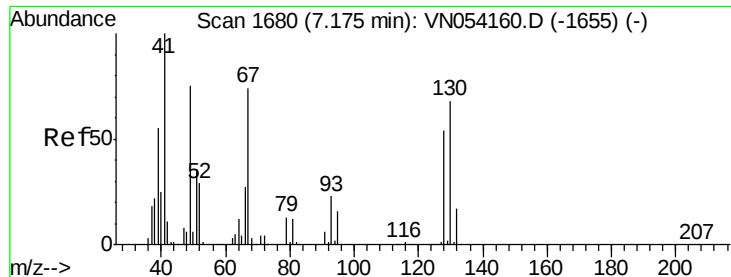
MMDadoda
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#40
Benzene
Concen: 21.955 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7





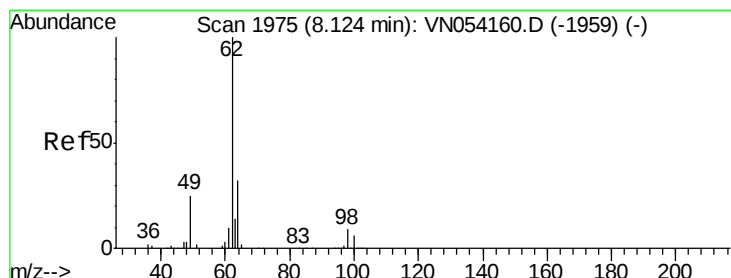
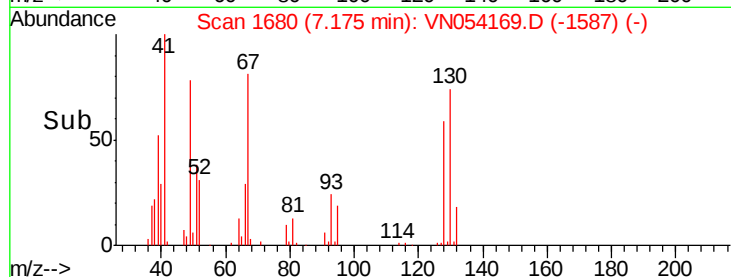
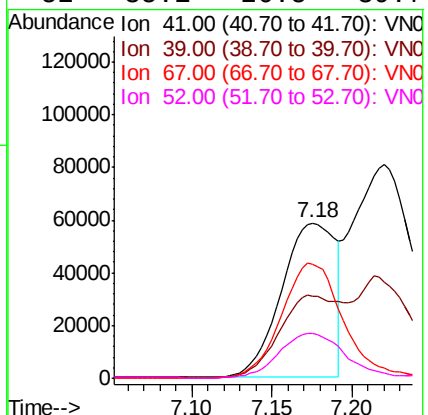
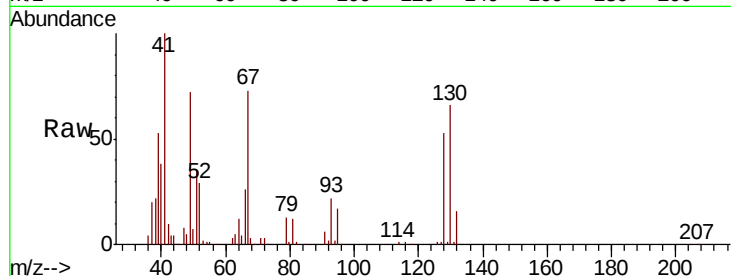
#41
Methacrylonitrile
Concen: 20.247 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.0	46.8	70.2
67	85.2	67.0	100.4
52	35.1	26.5	39.7

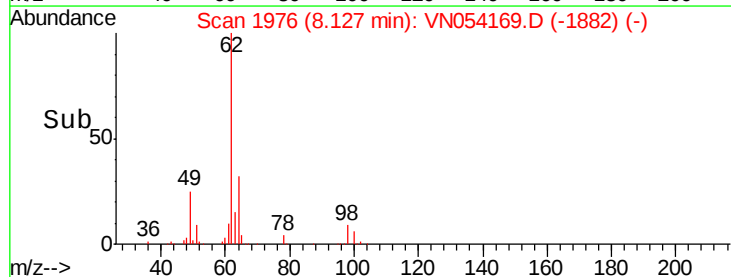
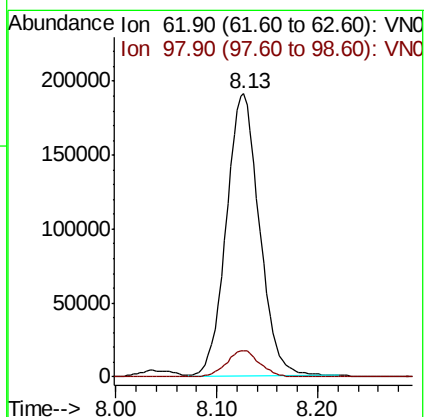
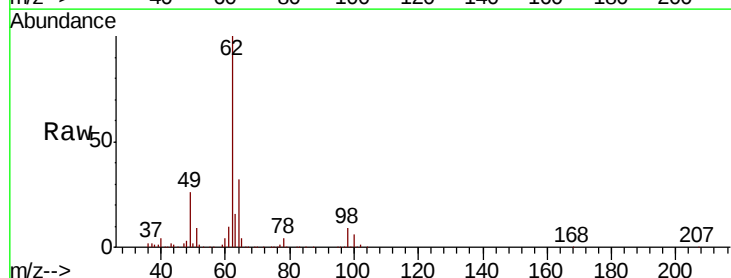
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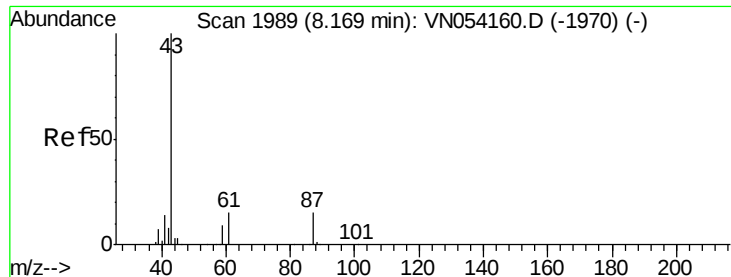
MMDadoda
3/13/2019 11:49:36 AM



#42
1,2-Dichloroethane
Concen: 21.703 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4





#43

Isopropyl Acetate

Concen: 21.337 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

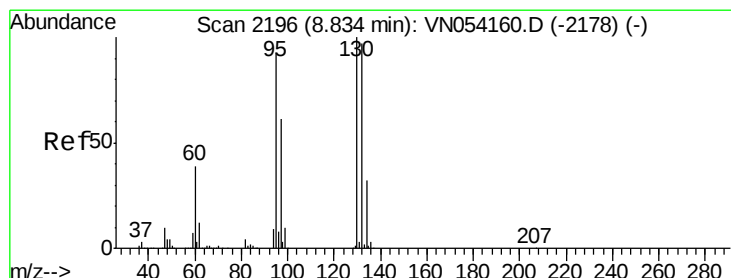
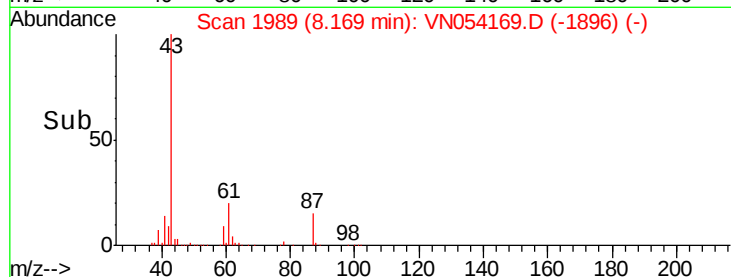
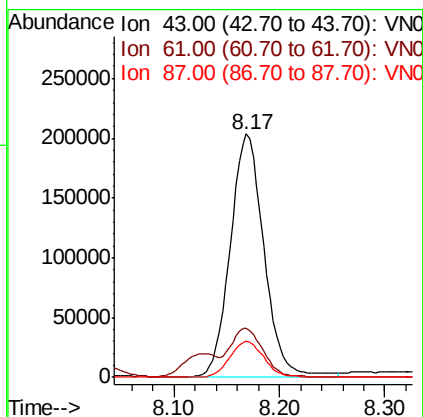
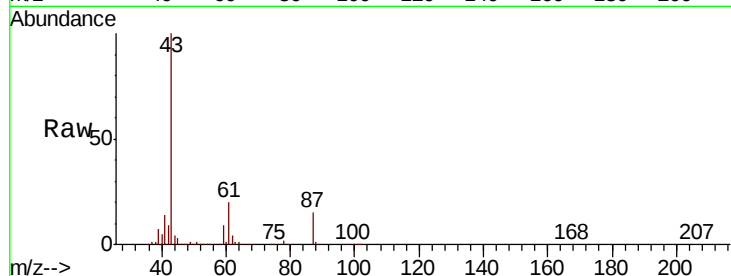
ClientSampleID :

VN0312WBSD01

Tgt Ion:	43	Resp:	448479
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.8	23.8
87	15.1	12.0	18.0

Manual Integrations
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#44

Trichloroethene

Concen: 21.876 ug/l

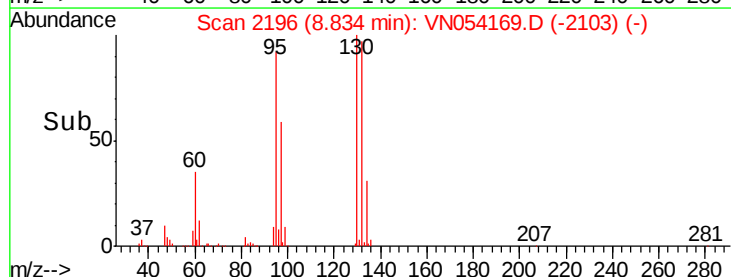
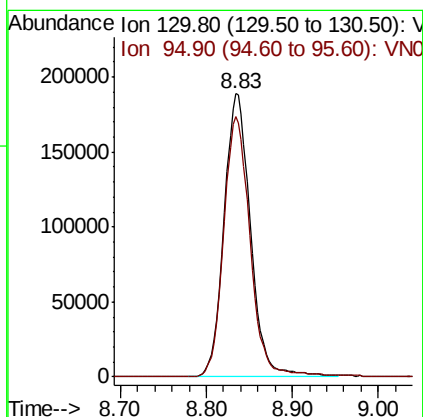
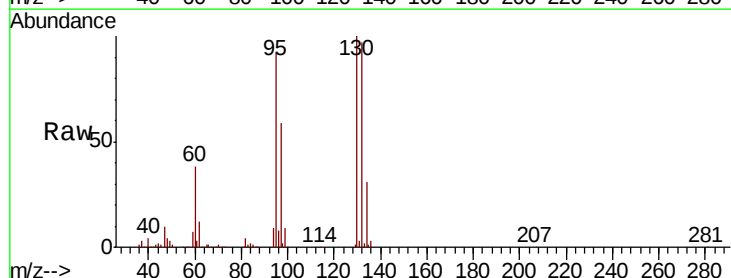
RT: 8.83 min Scan# 2196

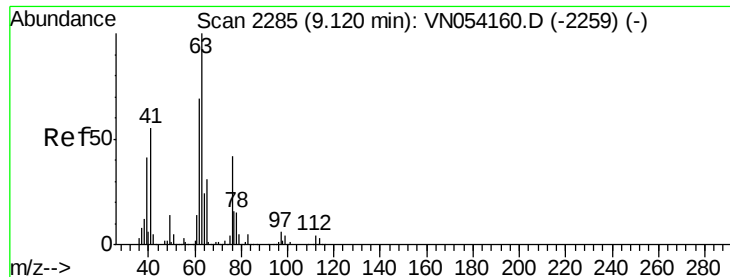
Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Tgt Ion:	130	Resp:	405275
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	185.2





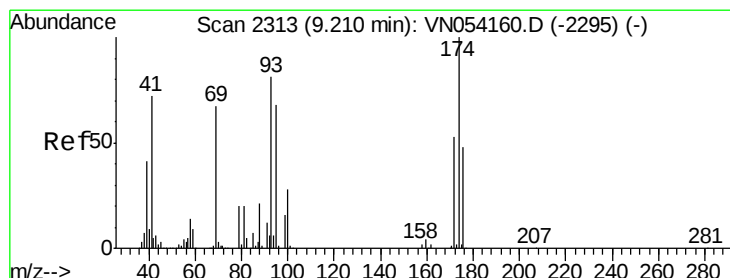
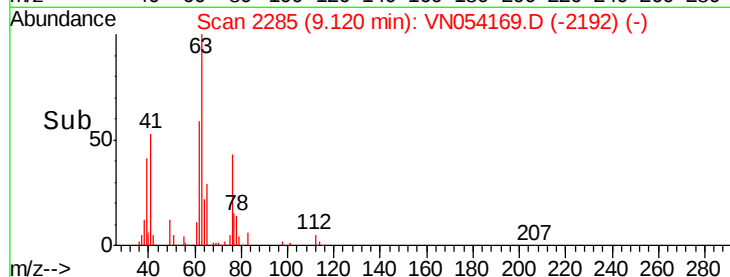
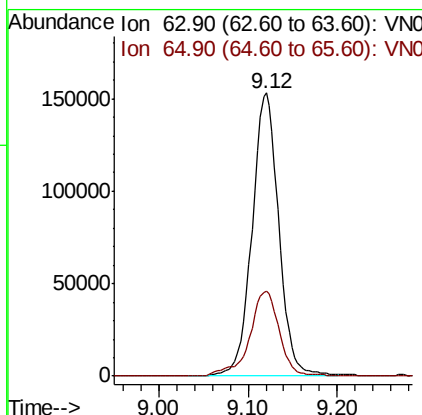
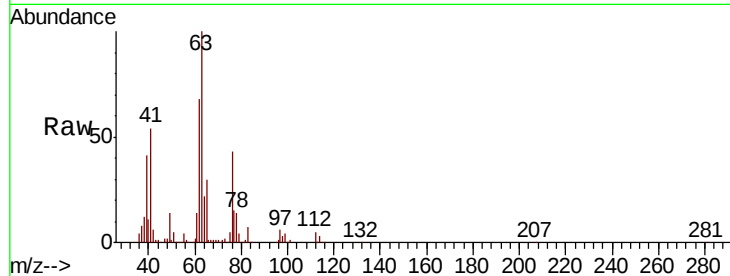
#45
 1,2-Dichloropropane
 Concen: 21.655 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0312WBSD01

Tgt Ion: 63 Resp: 320666
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.0 37.6

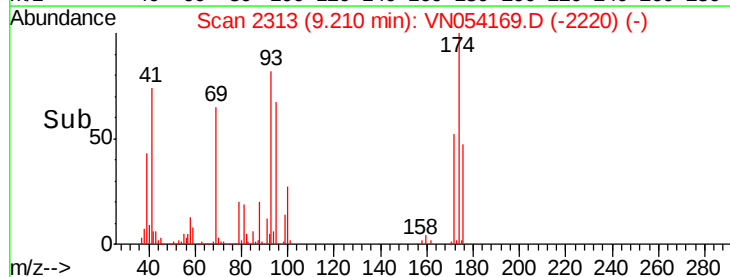
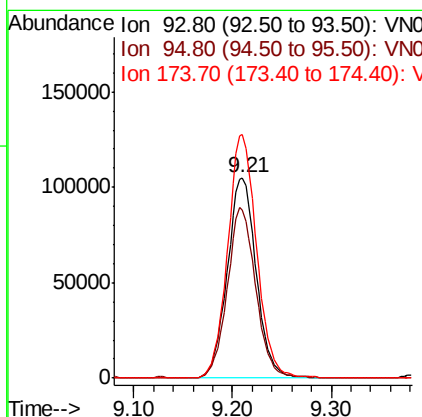
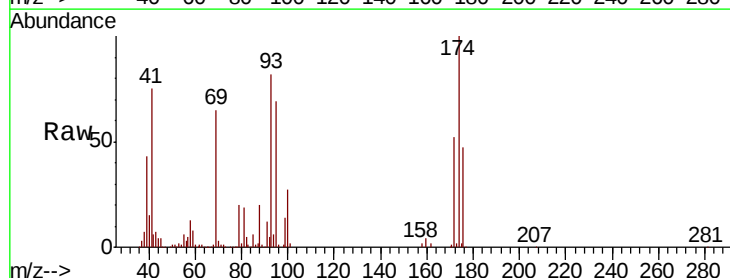
Manual Integrations
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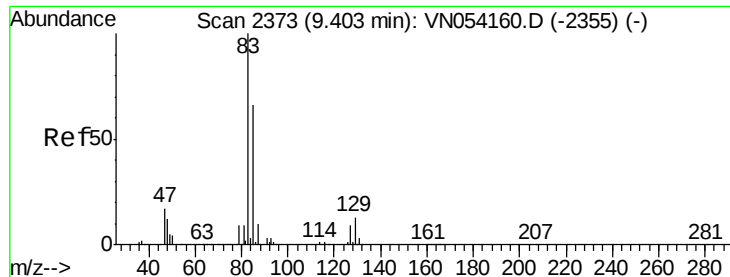
MMDadoda
 3/13/2019 11:49:36 AM



#46
 Dibromomethane
 Concen: 21.541 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion: 93 Resp: 215525
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.7 100.1
 174 121.4 98.5 147.7





#47

Bromodichloromethane

Concen: 21.442 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

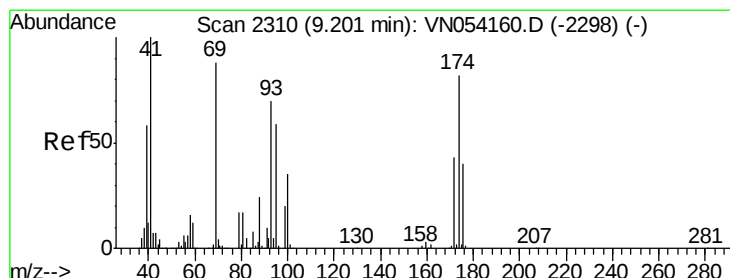
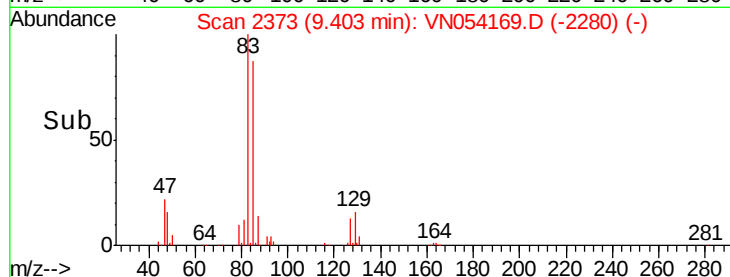
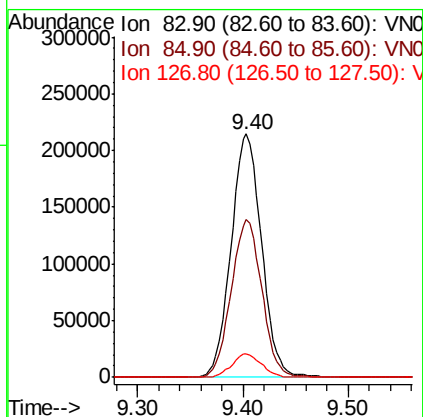
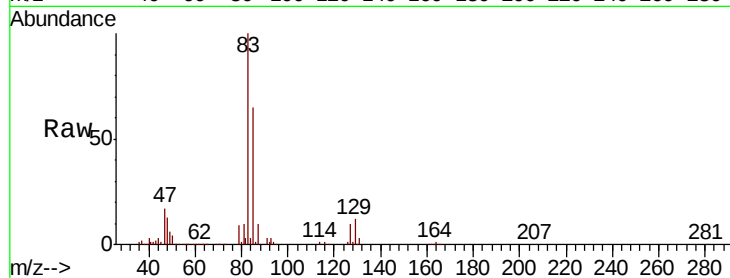
ClientSampleId :

VN0312WBSD01

Tgt Ion:	83	Resp:	430074
Ion Ratio	Lower	Upper	
83	100		
85	64.9	52.8	79.2
127	9.6	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.806 ug/l

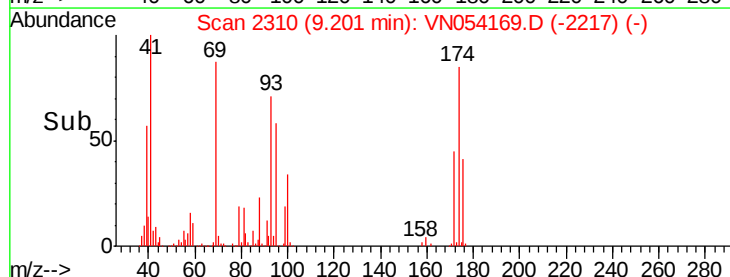
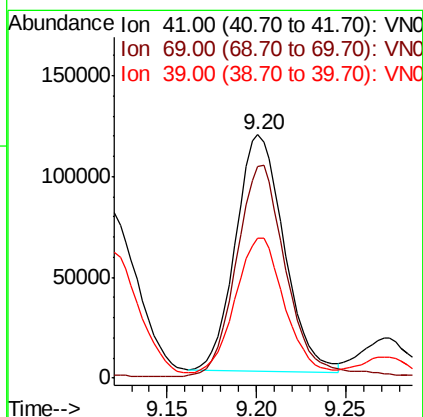
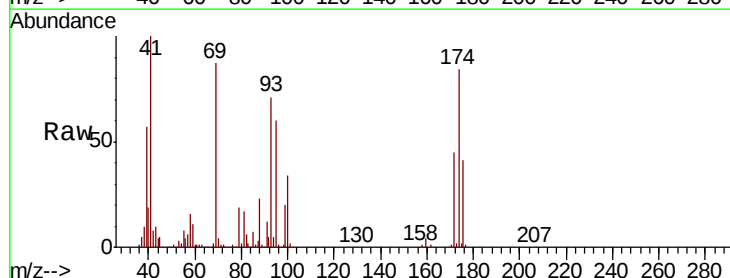
RT: 9.20 min Scan# 2310

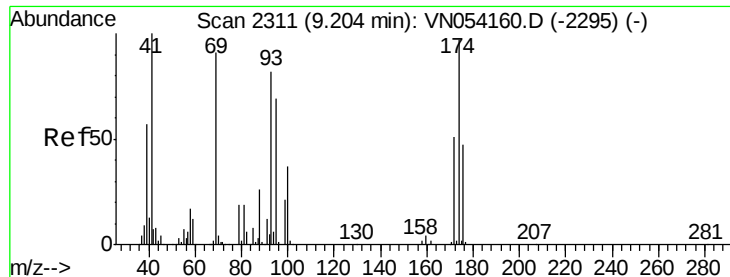
Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Tgt Ion:	41	Resp:	221924
Ion Ratio	Lower	Upper	
41	100		
69	94.1	72.6	108.8
39	61.1	47.5	71.3





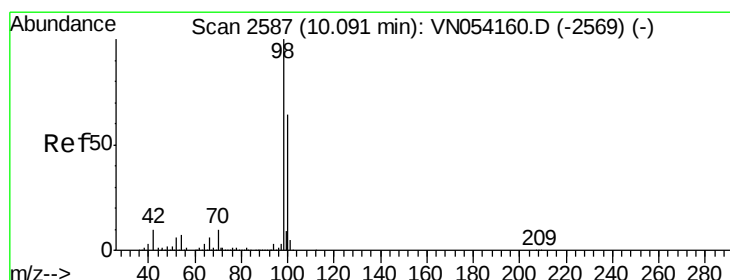
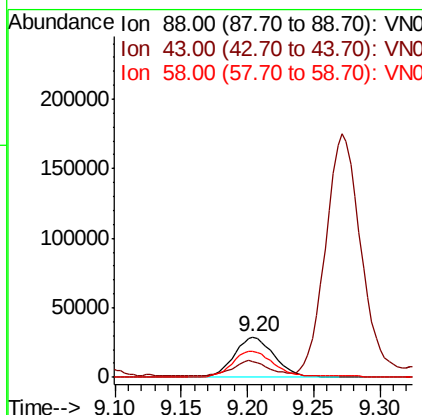
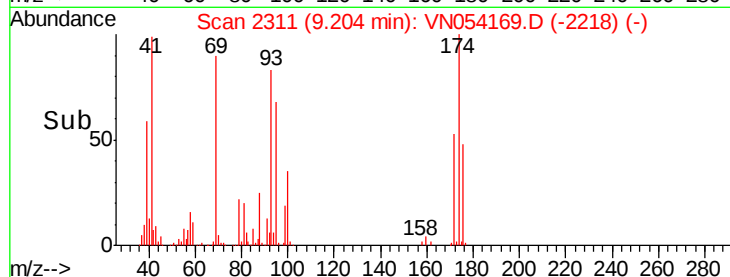
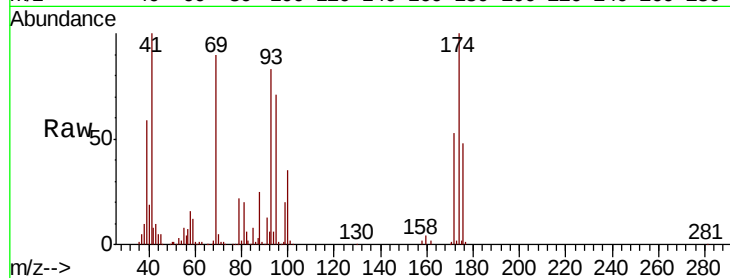
#49
1,4-Dioxane
Concen: 409.818 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.9	24.1	36.1
58	66.1	50.8	76.2

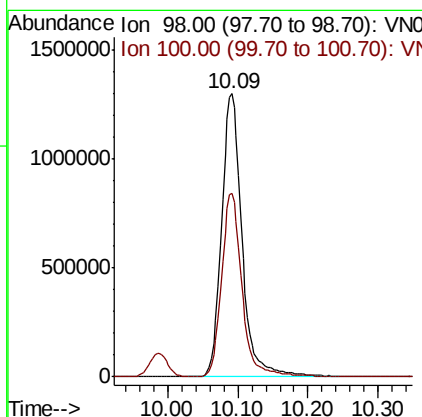
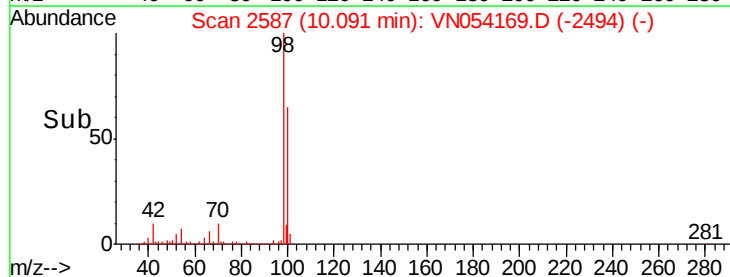
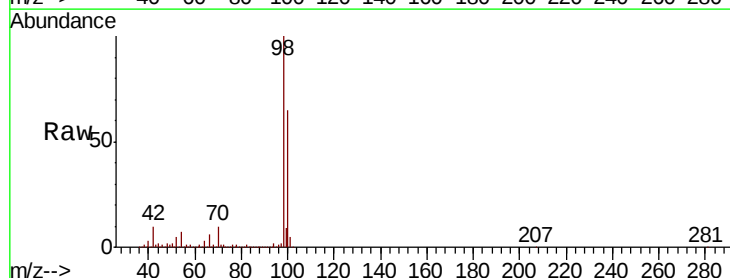
Manual Integrations
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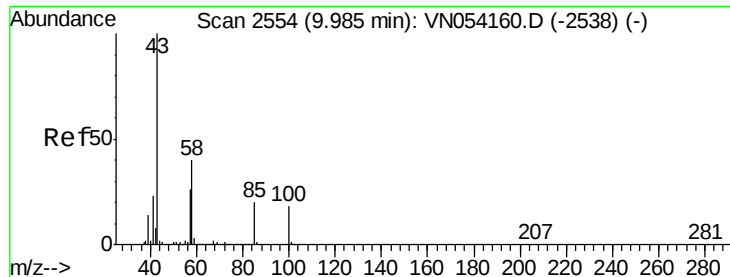
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3/13/2019 11:49:36 AM



#50
Toluene-d8
Concen: 48.883 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 105.708 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

VN0312WBSD01

Tgt Ion: 43 Resp: 1175800

Ion Ratio Lower Upper

43 100

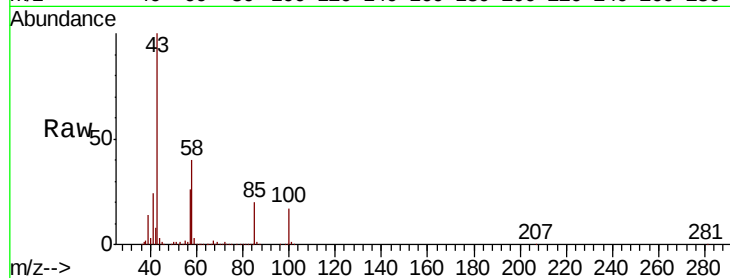
58 40.4 31.8 47.6

Manual Integrations

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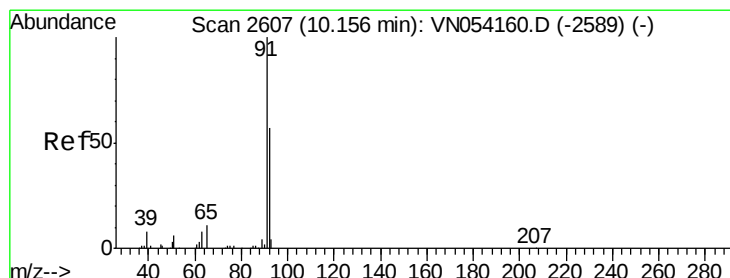
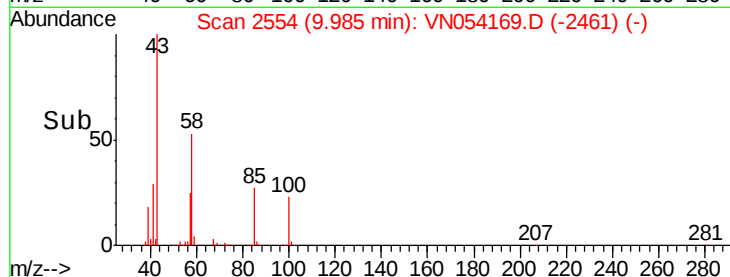
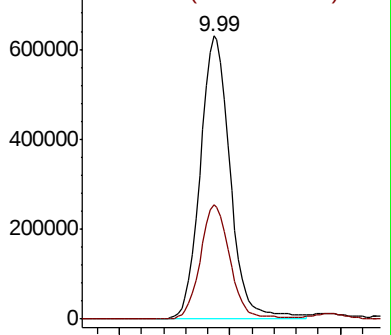
MMDadoda

3/13/2019 11:49:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 21.606 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054169.D

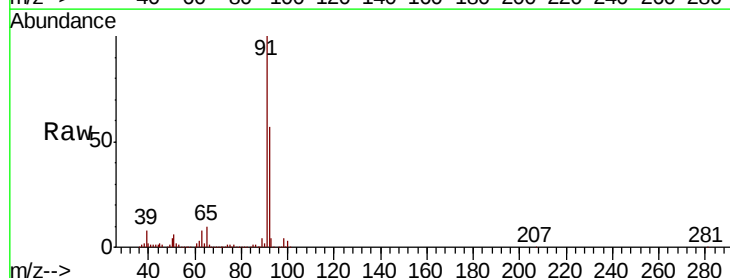
Acq: 12 Mar 2019 17:49

Tgt Ion: 92 Resp: 816975

Ion Ratio Lower Upper

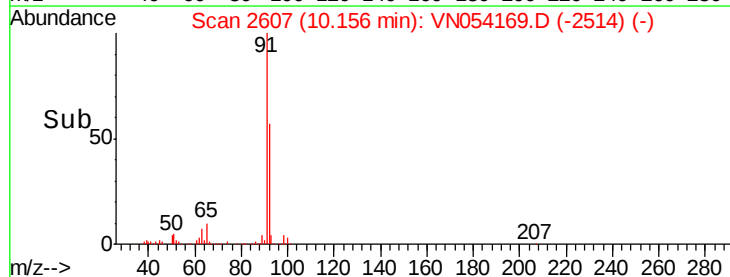
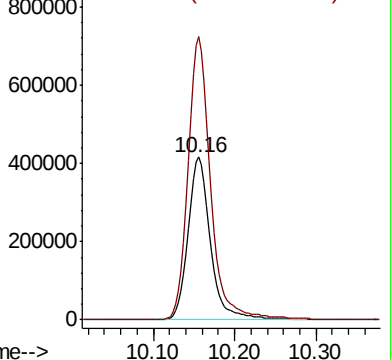
92 100

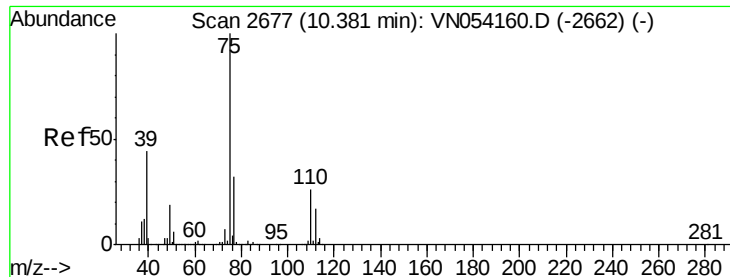
91 174.3 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.498 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tgt Ion: 75 Resp: 418377

Ion Ratio Lower Upper

75 100

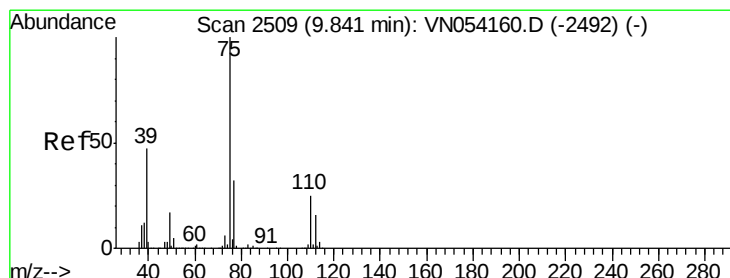
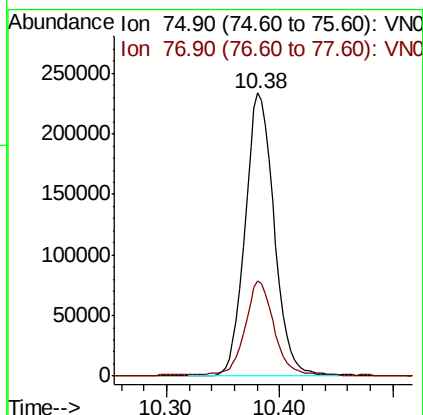
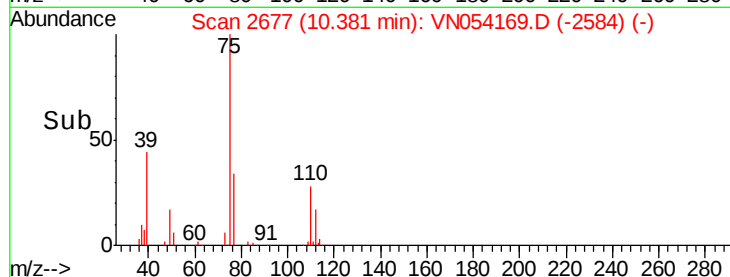
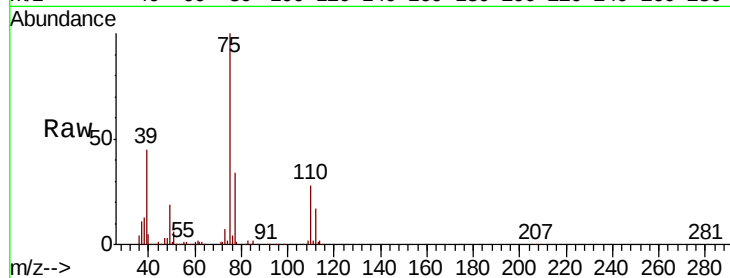
77 33.4 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.118 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

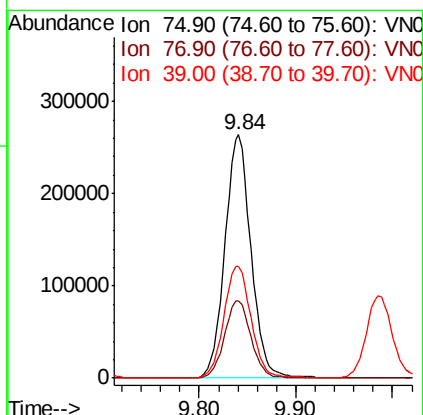
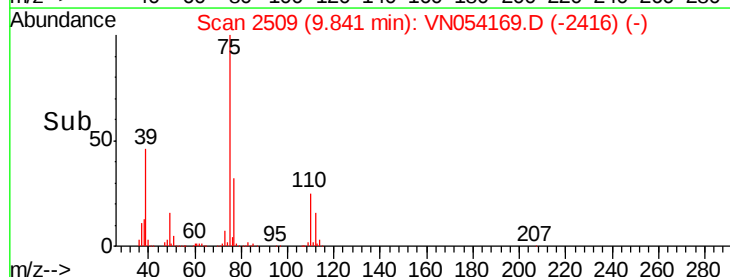
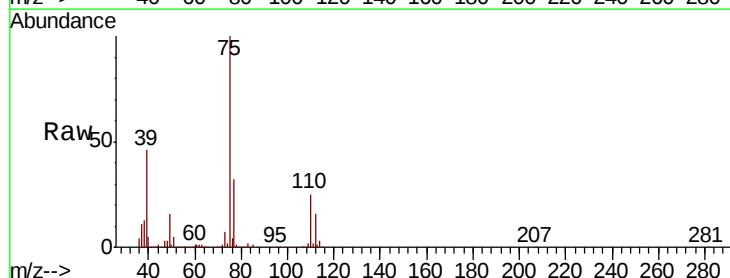
Tgt Ion: 75 Resp: 493618

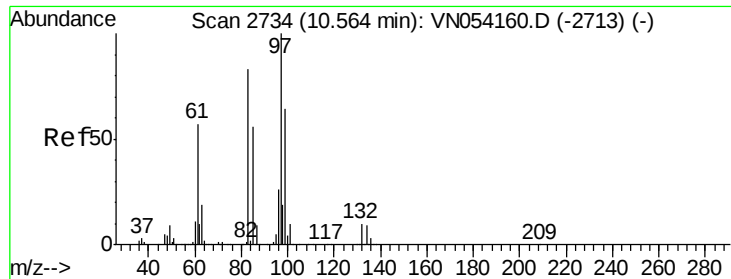
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 45.9 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 21.812 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

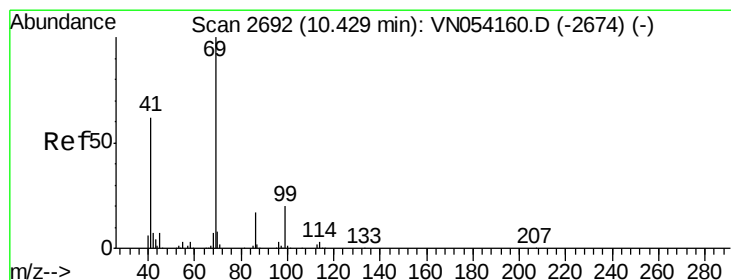
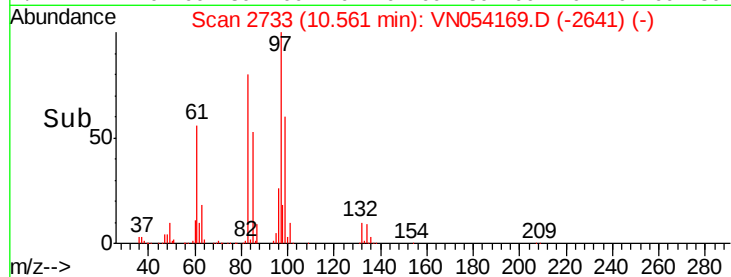
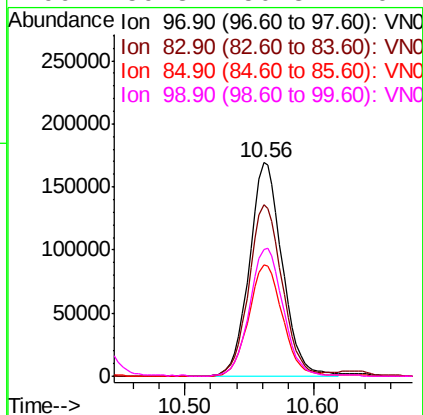
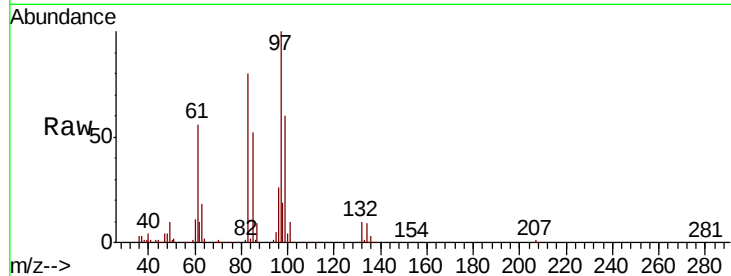
ClientSampleId :

VN0312WBSD01

Tgt Ion:	97	Resp:	301163
Ion	Ratio	Lower	Upper
97	100		
83	80.1	66.6	100.0
85	52.4	44.4	66.6
99	59.3	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.699 ug/l

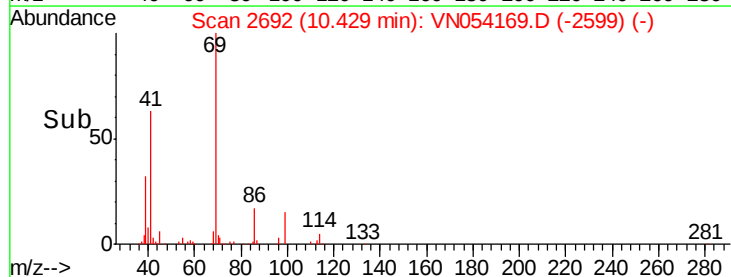
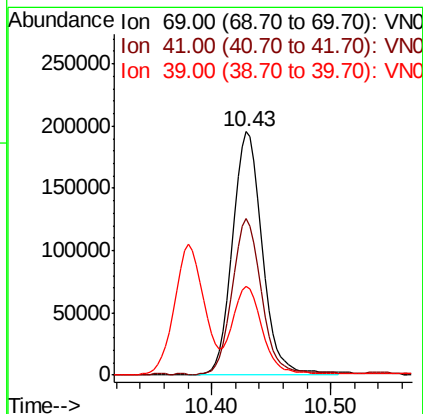
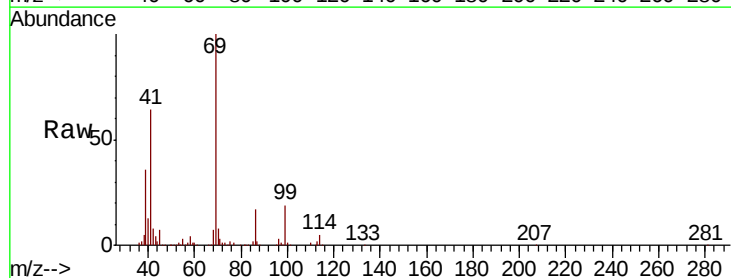
RT: 10.43 min Scan# 2692

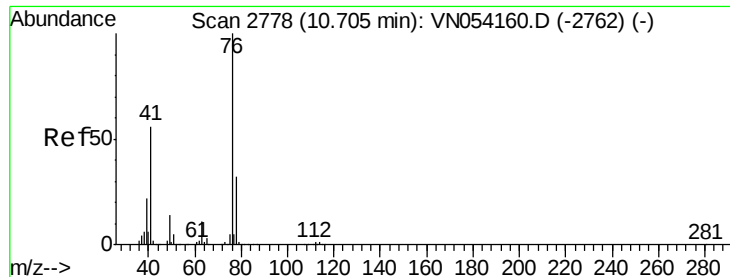
Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Tgt Ion:	69	Resp:	340768
Ion	Ratio	Lower	Upper
69	100		
41	62.6	49.4	74.2
39	36.2	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.518 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

VN0312WBSD01

Tgt Ion: 76 Resp: 485805

Ion Ratio Lower Upper

76 100

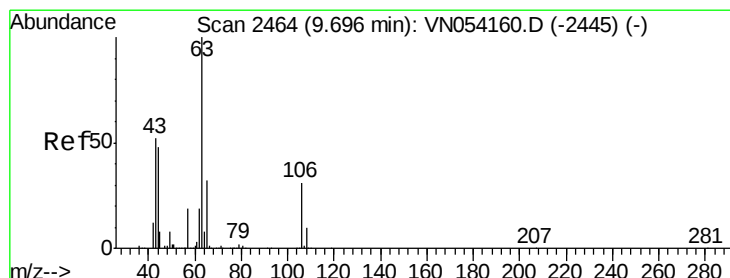
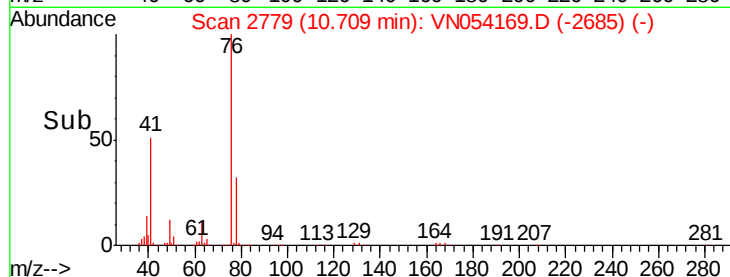
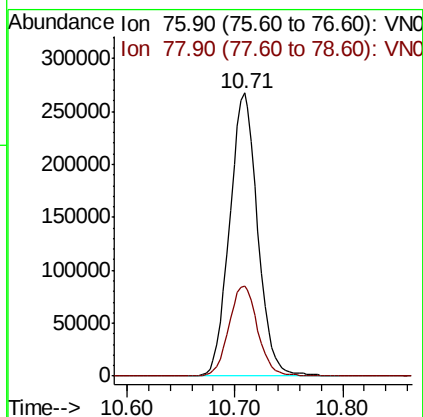
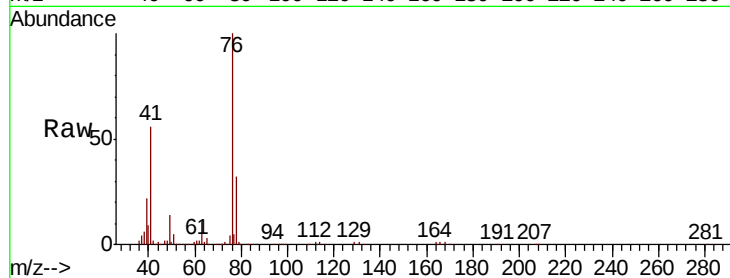
78 32.6 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 98.053 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054169.D

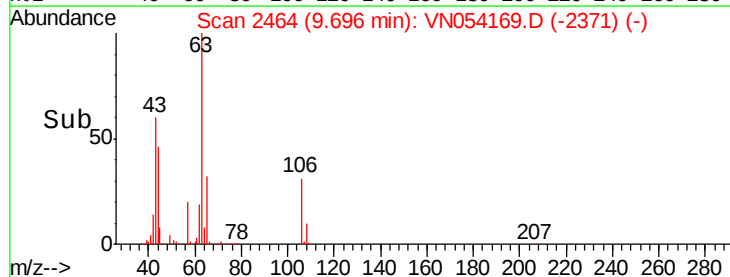
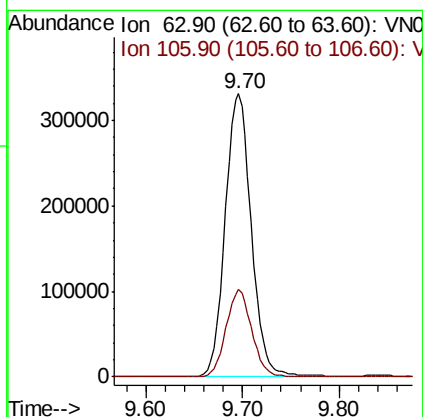
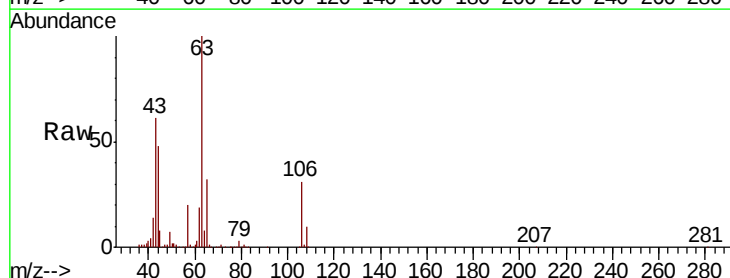
Acq: 12 Mar 2019 17:49

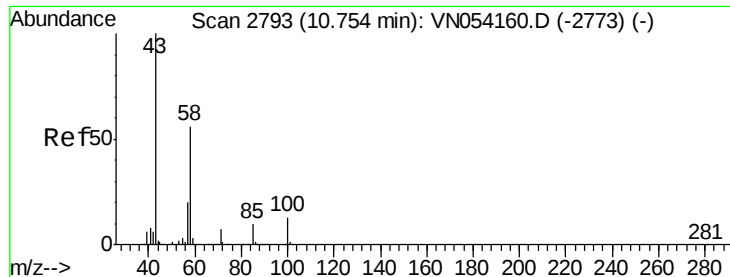
Tgt Ion: 63 Resp: 622011

Ion Ratio Lower Upper

63 100

106 30.4 24.4 36.6





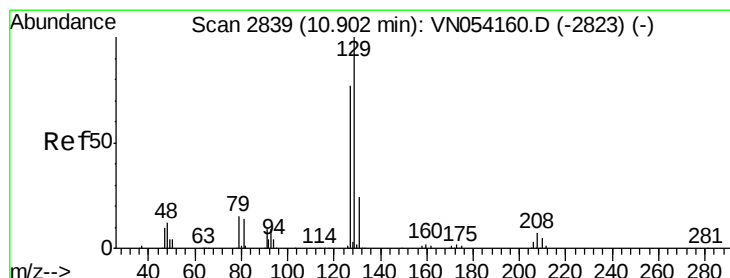
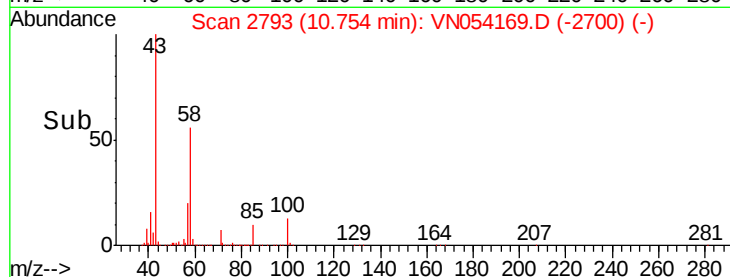
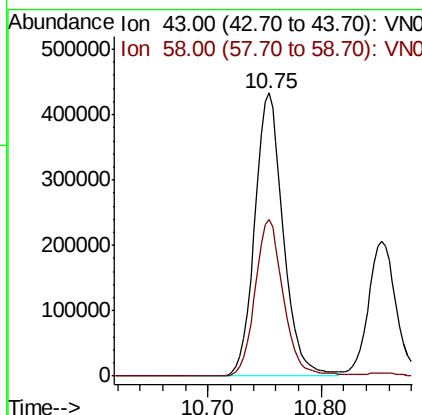
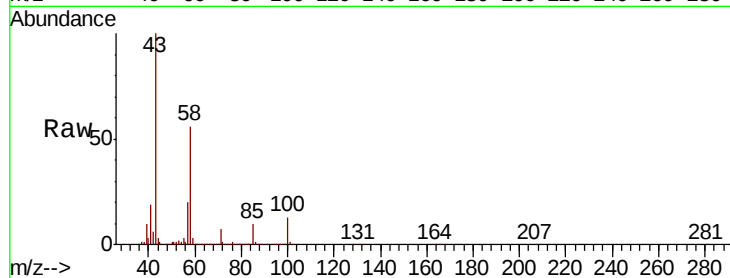
#59
2-Hexanone
Concen: 101.743 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tgt Ion: 43 Resp: 753027
Ion Ratio Lower Upper
43 100
58 55.5 28.0 83.9

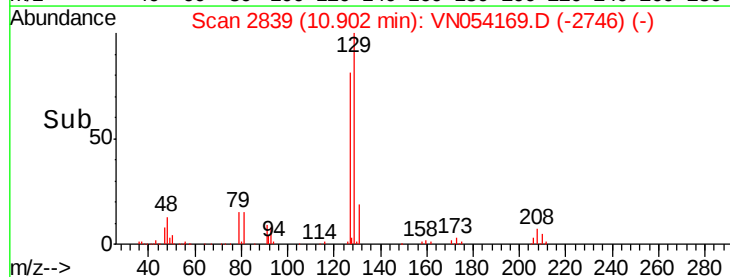
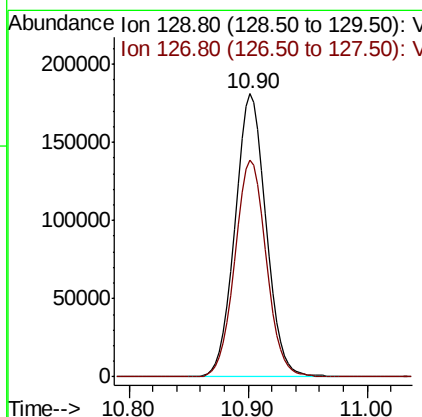
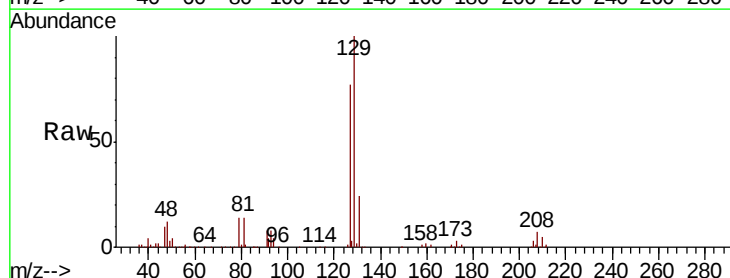
Manual Integrations
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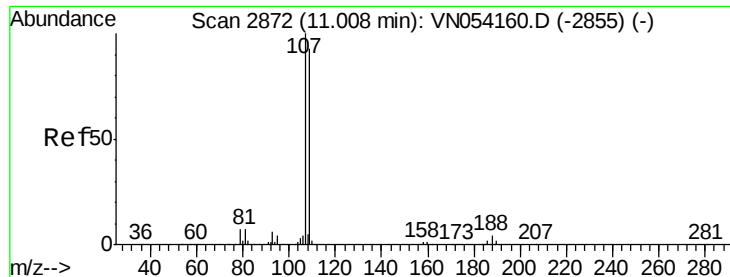
MMDadoda
3/13/2019 11:49:36 AM



#60
Dibromochloromethane
Concen: 21.077 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion: 129 Resp: 327552
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





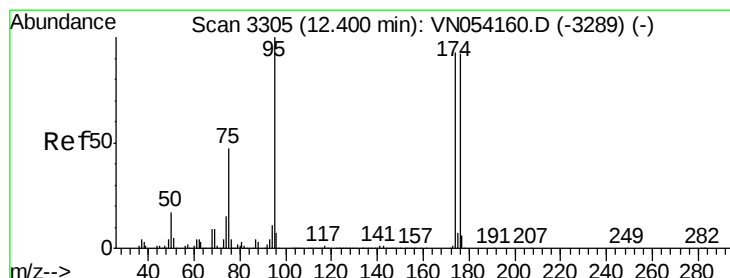
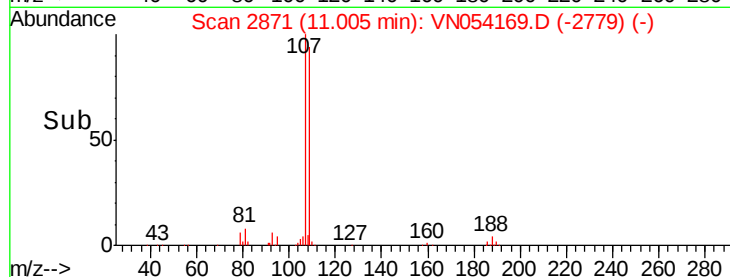
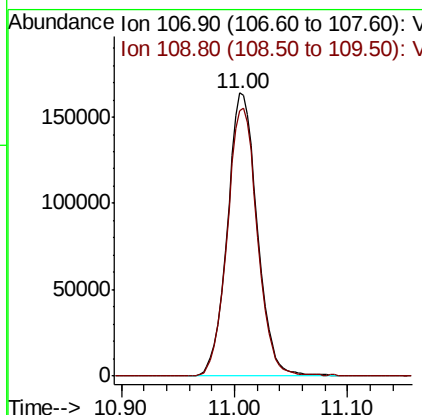
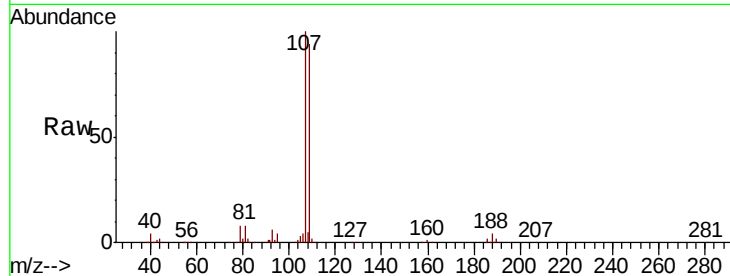
#61
 1,2-Dibromoethane
 Concen: 21.493 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tgt Ion: 107 Resp: 301569
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.9 113.9

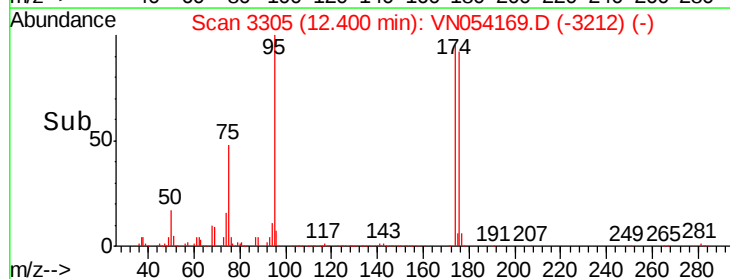
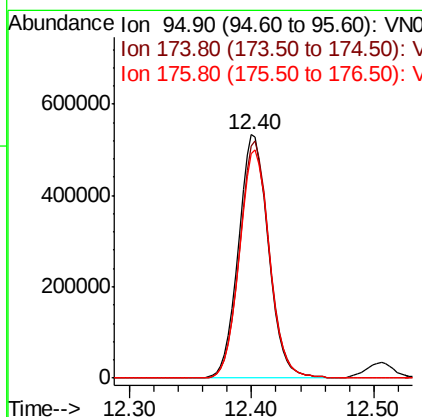
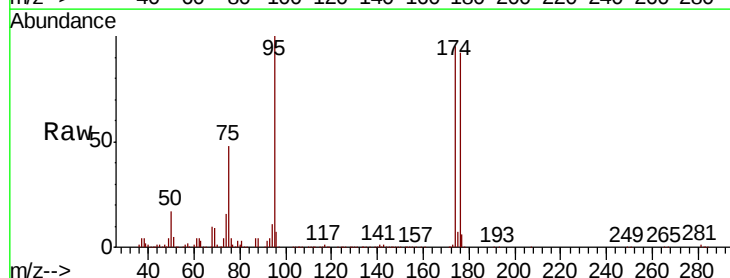
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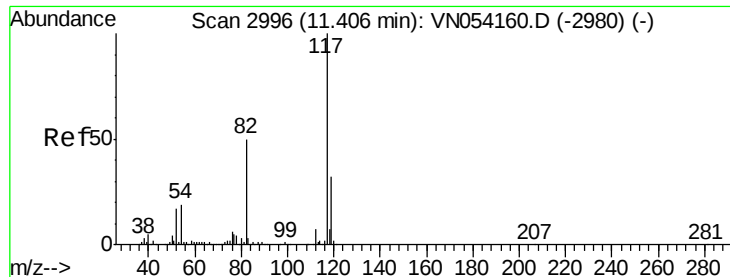
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 3/13/2019 11:49:36 AM



#62
 4-Bromofluorobenzene
 Concen: 47.832 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion: 95 Resp: 902146
 Ion Ratio Lower Upper
 95 100
 174 96.5 0.0 191.0
 176 94.1 0.0 187.4





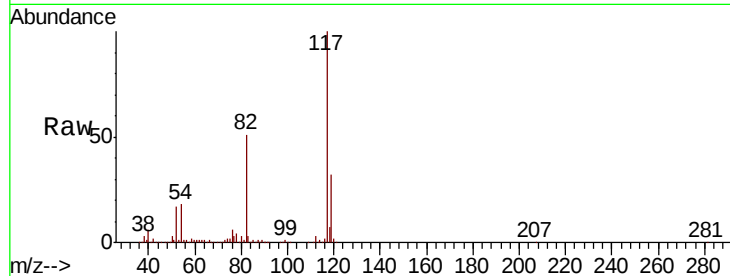
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampled :
VN0312WBSD01

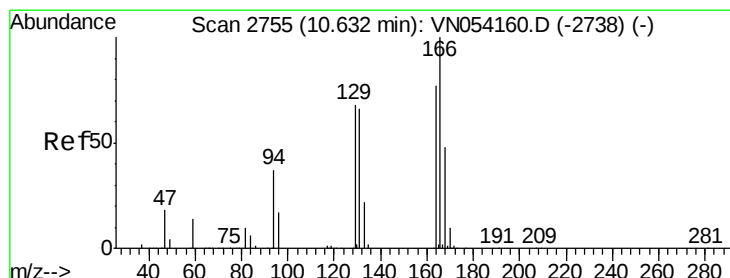
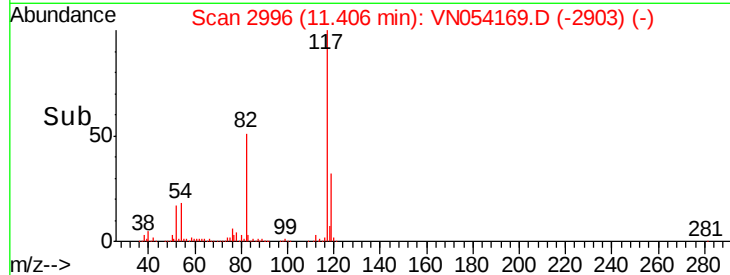
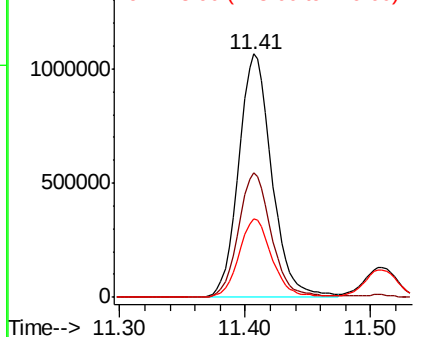
Tgt Ion:117 Resp: 1958672
Ion Ratio Lower Upper
117 100
82 51.1 40.0 60.0
119 32.1 25.8 38.6

Manual Integrations
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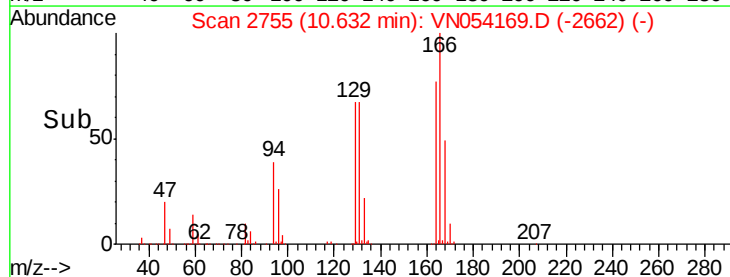
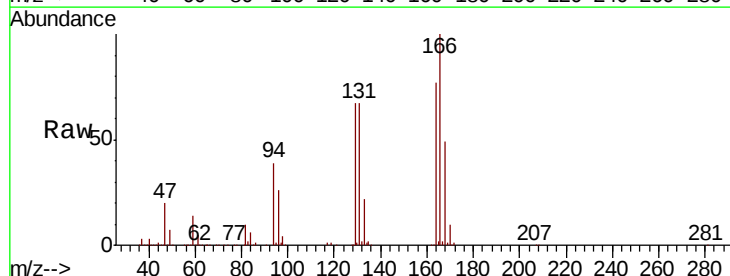
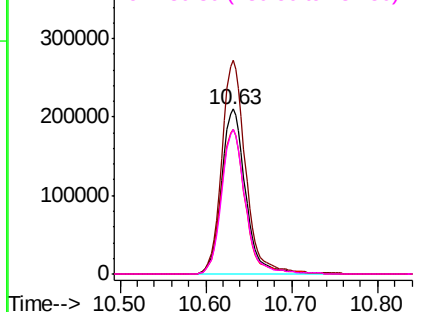
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

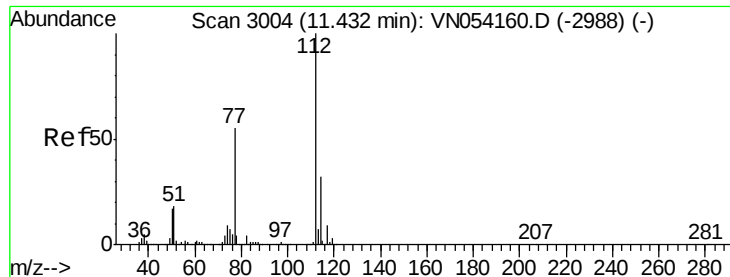


#64
Tetrachloroethene
Concen: 21.688 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion:164 Resp: 410722
Ion Ratio Lower Upper
164 100
166 129.4 103.9 155.9
129 87.3 71.1 106.7
131 87.2 68.2 102.4

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.803 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tgt Ion:112 Resp: 937700

Ion Ratio Lower Upper

112 100

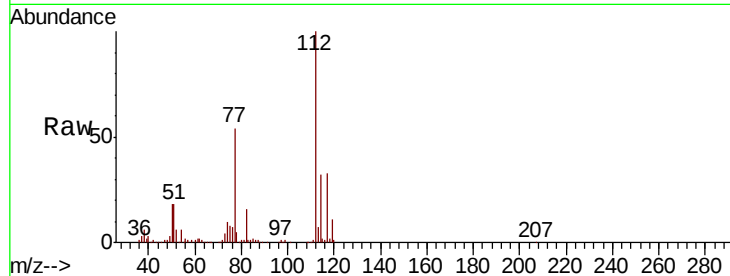
114 32.2 25.9 38.9

Manual Integrations

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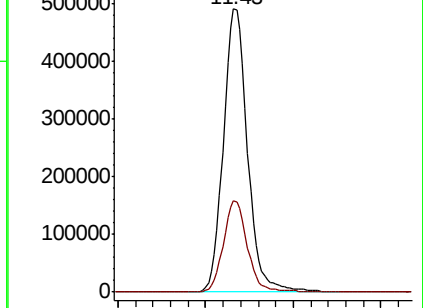
MMDadoda

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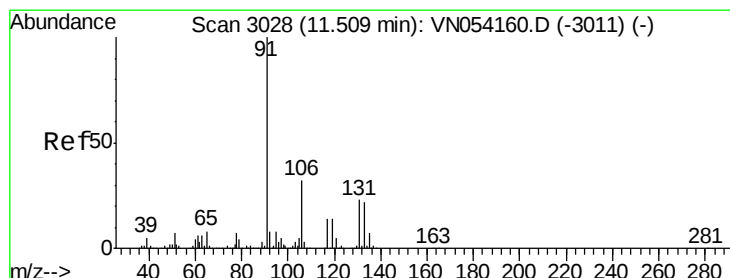
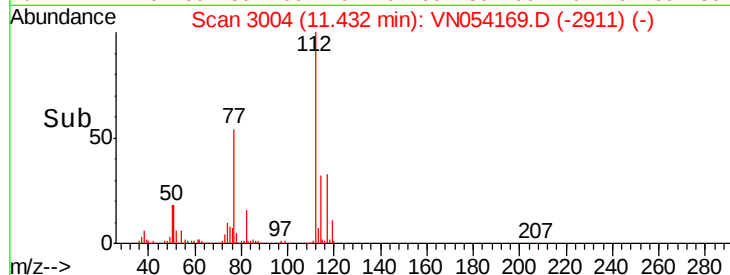


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time--> 11.30 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 21.898 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

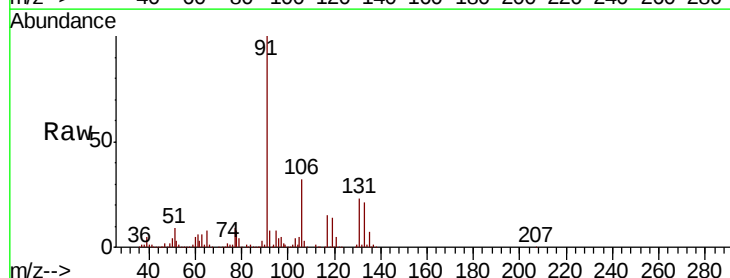
Tgt Ion:131 Resp: 342113

Ion Ratio Lower Upper

131 100

133 95.4 47.6 142.9

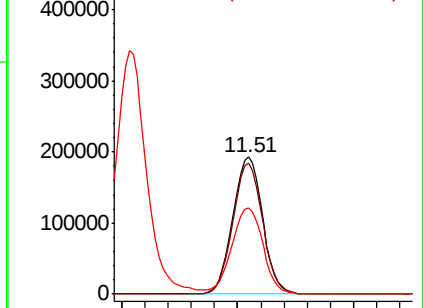
119 66.4 32.4 97.0



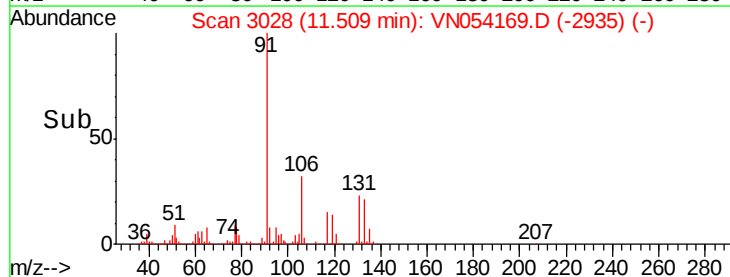
Abundance Ion 130.80 (130.50 to 131.50): V

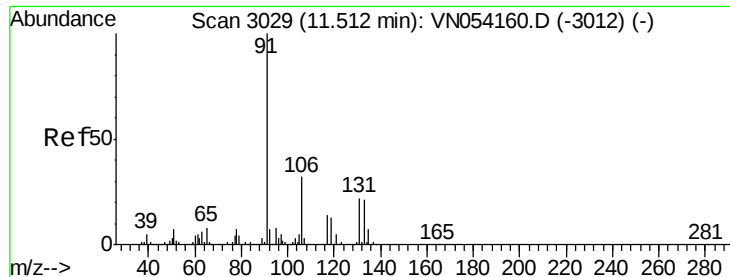
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time--> 11.40 11.50 11.60





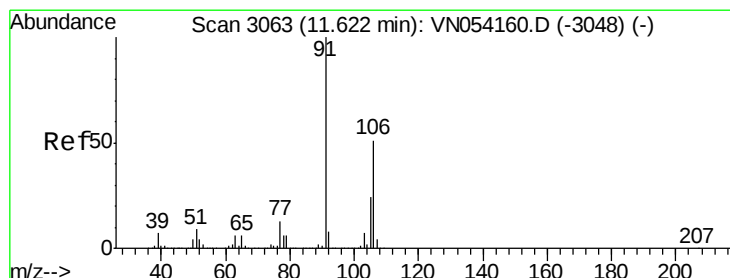
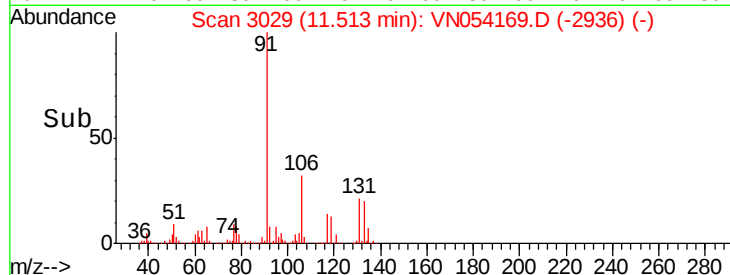
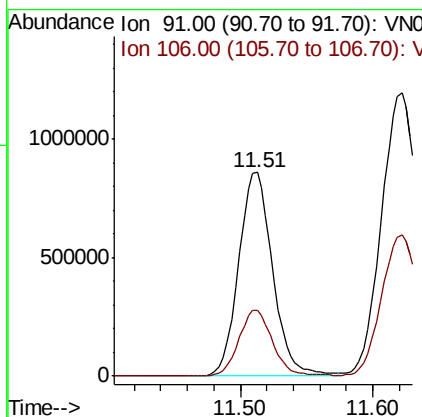
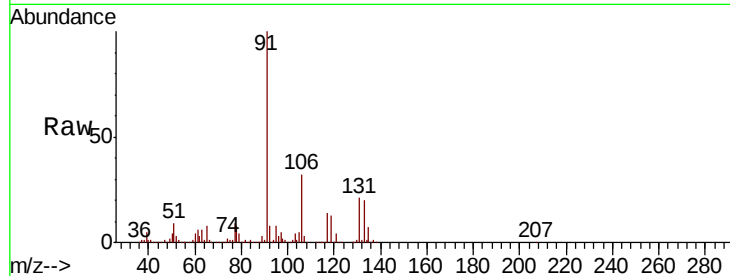
#67
Ethyl Benzene
Concen: 21.536 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampled :
VN0312WBSD01

Tgt Ion: 91 Resp: 1535348
Ion Ratio Lower Upper
91 100
106 32.4 25.5 38.3

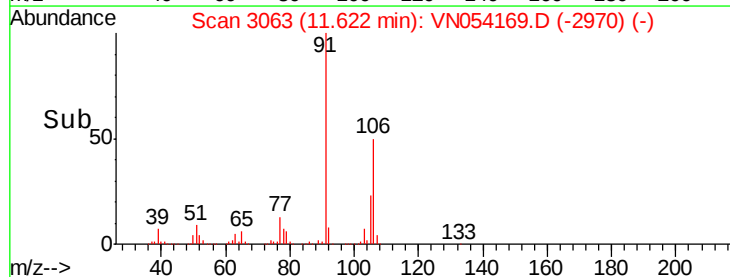
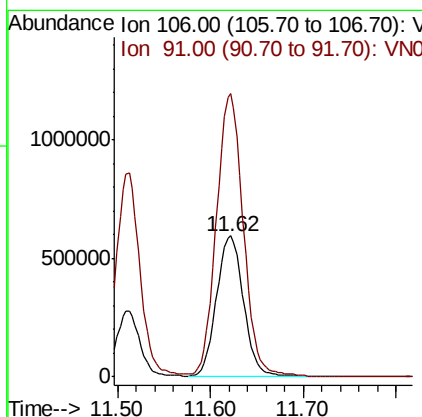
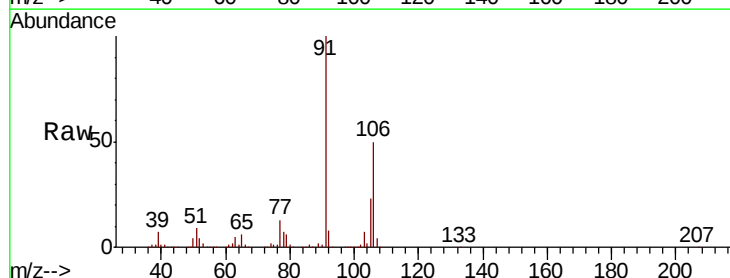
Manual Integrations
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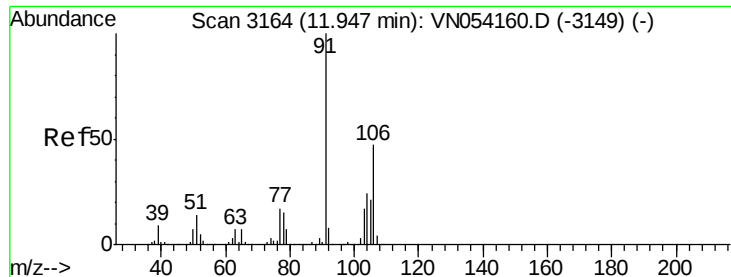
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#68
m/p-Xylenes
Concen: 43.619 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion: 106 Resp: 1215405
Ion Ratio Lower Upper
106 100
91 199.1 159.4 239.2





#69

o-Xylene

Concen: 21.908 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tgt Ion:106 Resp: 595092

Ion Ratio Lower Upper

106 100

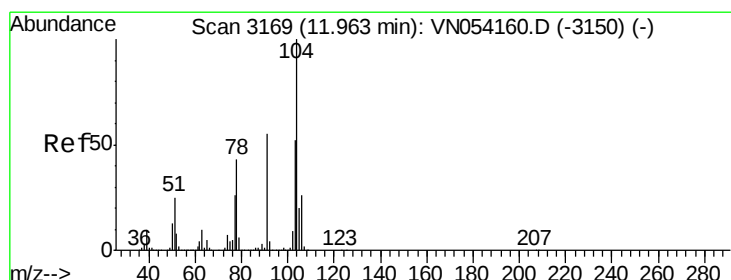
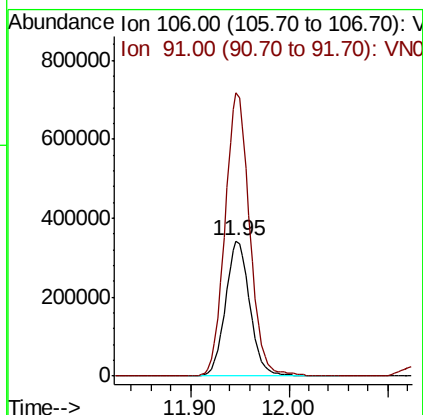
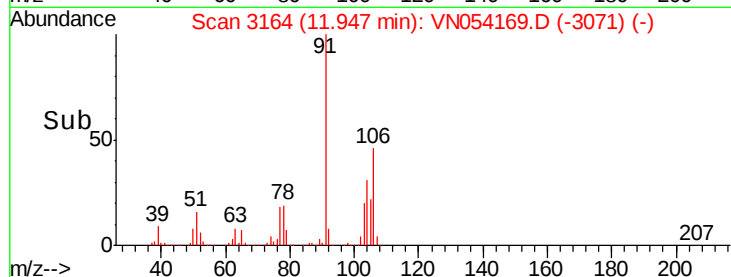
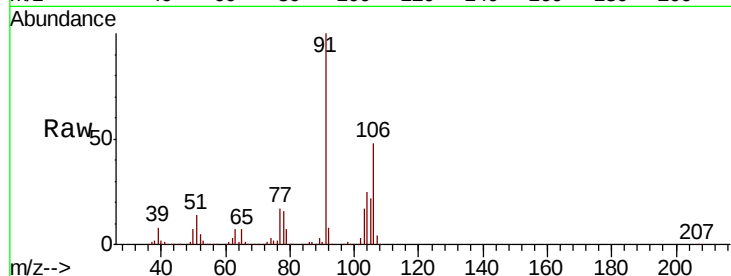
91 211.1 105.7 317.1

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#70

Styrene

Concen: 21.705 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

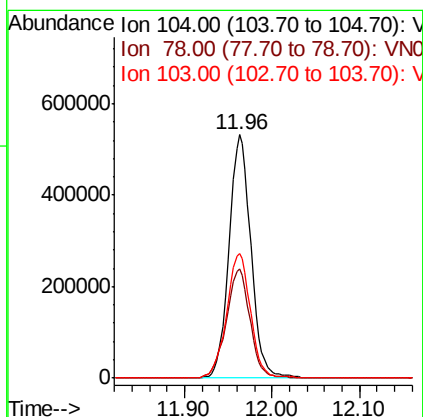
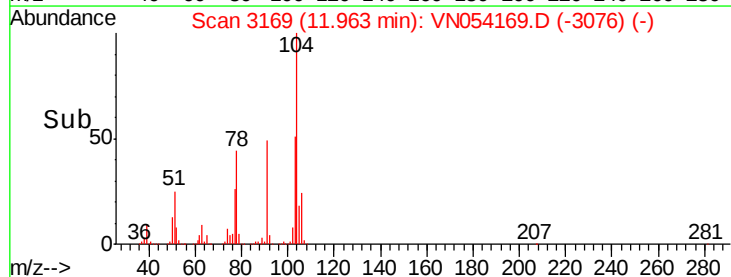
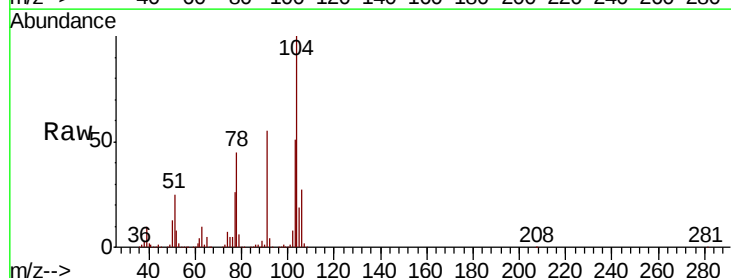
Tgt Ion:104 Resp: 924639

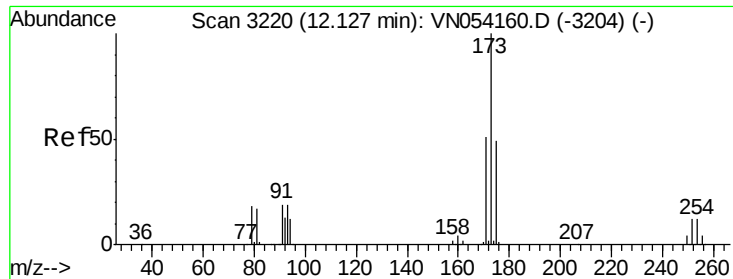
Ion Ratio Lower Upper

104 100

78 48.6 38.2 57.2

103 55.7 44.4 66.6





#71

Bromoform

Concen: 19.788 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

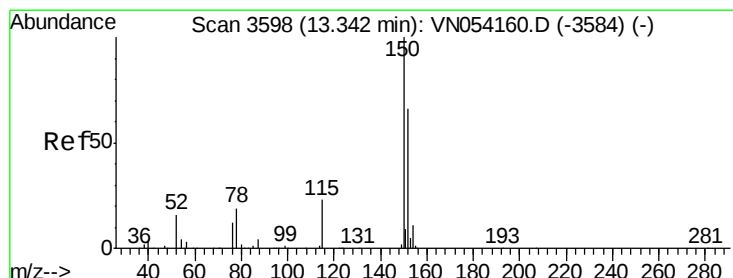
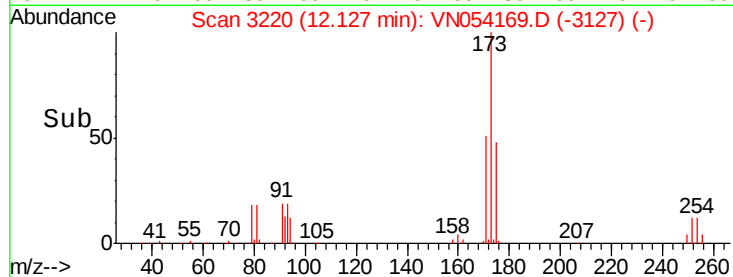
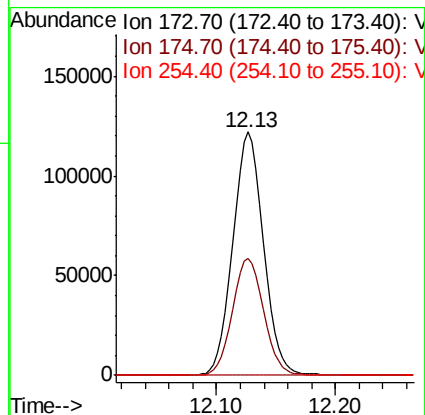
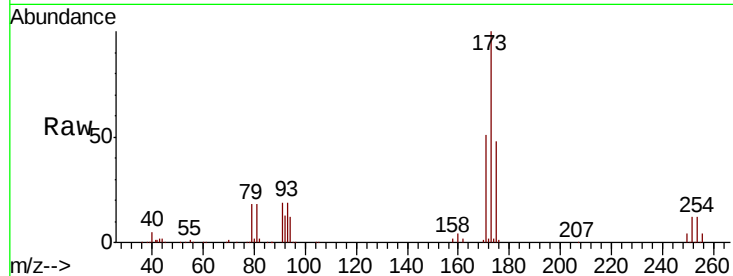
ClientSampleId :

VN0312WBSD01

Tgt Ion:	173	Resp:	217917
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.4	73.2
254	0.1	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

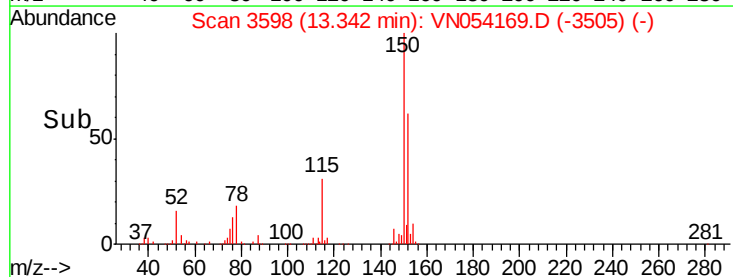
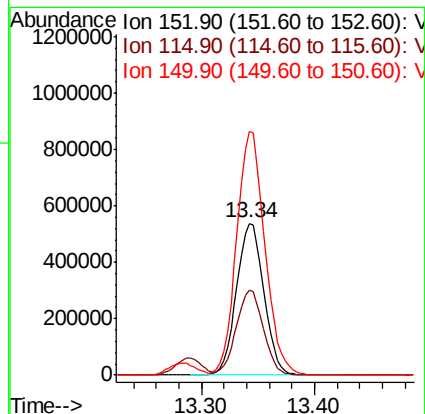
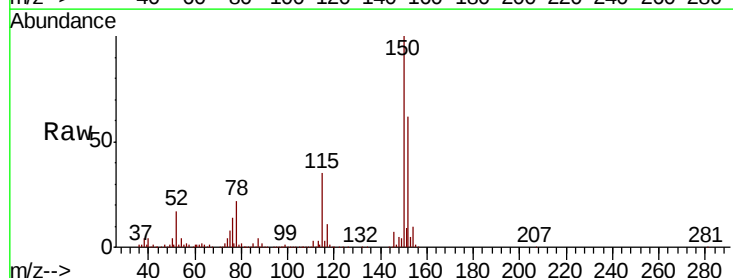
RT: 13.34 min Scan# 3598

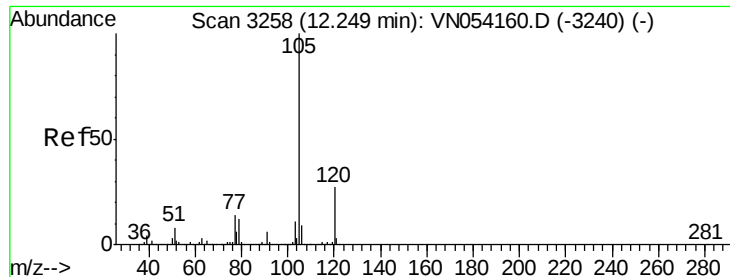
Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Tgt Ion:	152	Resp:	904817
Ion Ratio	Lower	Upper	
152	100		
115	55.4	27.2	81.6
150	166.2	0.0	349.2





#73

Isopropylbenzene

Concen: 21.967 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tgt Ion: 105 Resp: 1590208

Ion Ratio Lower Upper

105 100

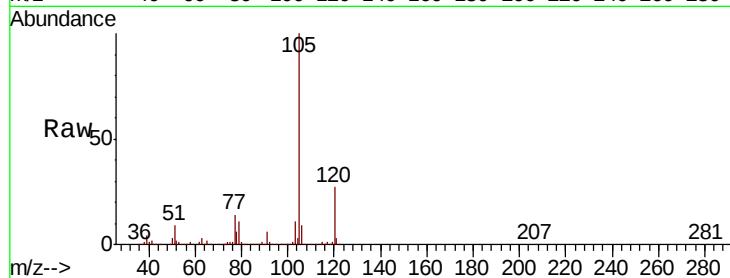
120 27.2 13.8 41.3

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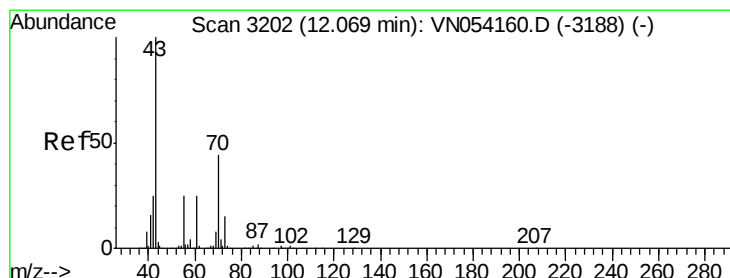
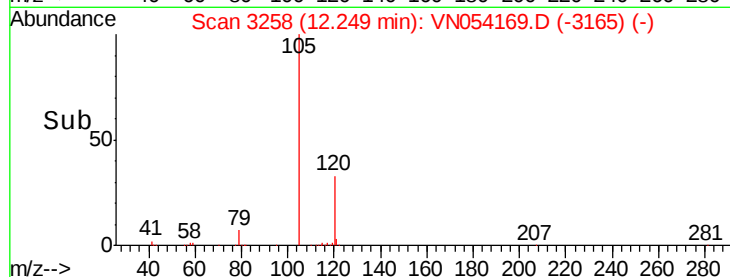
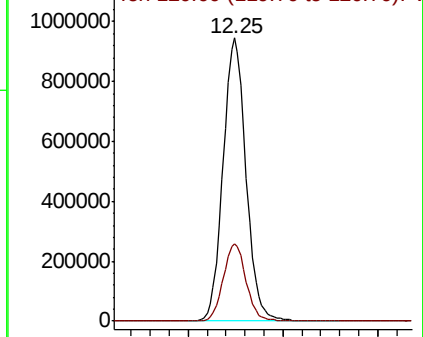
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.832 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Tgt Ion: 43 Resp: 334741

Ion Ratio Lower Upper

43 100

70 45.6 35.4 53.0

55 26.0 19.8 29.6

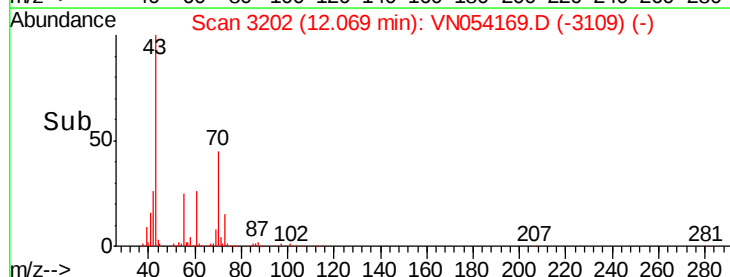
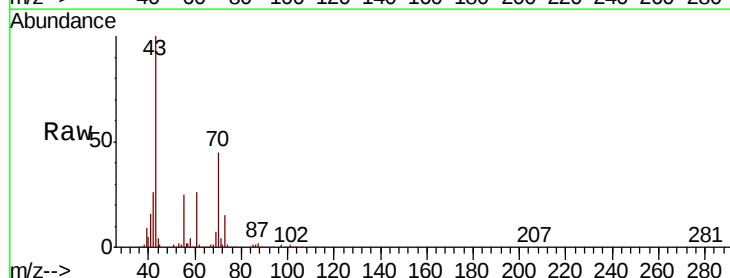
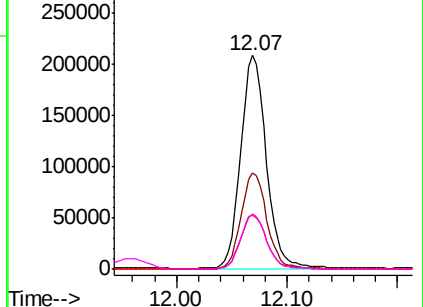
61 25.6 19.8 29.6

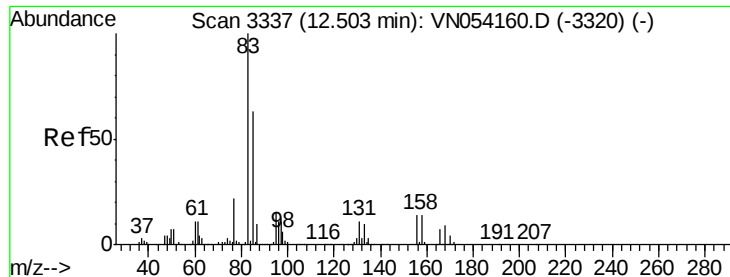
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.752 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

VN0312WBSD01

Tgt Ion: 83 Resp: 335494
Ion Ratio Lower Upper

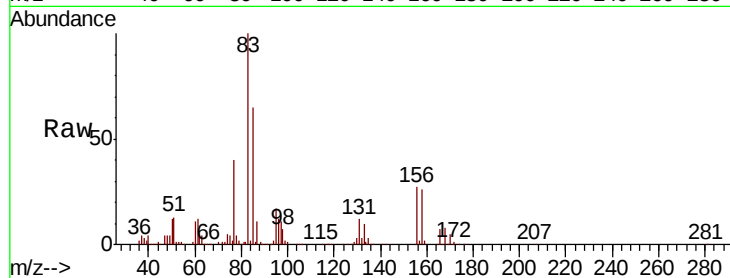
83 100

131 11.6 5.8 17.4

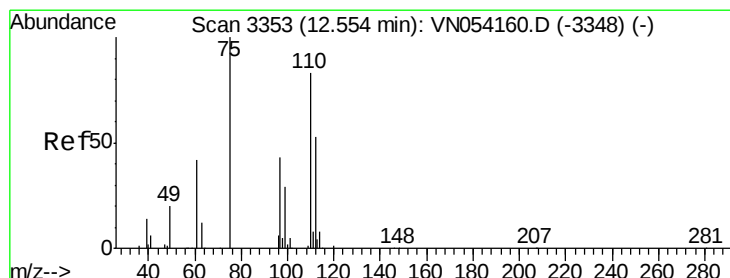
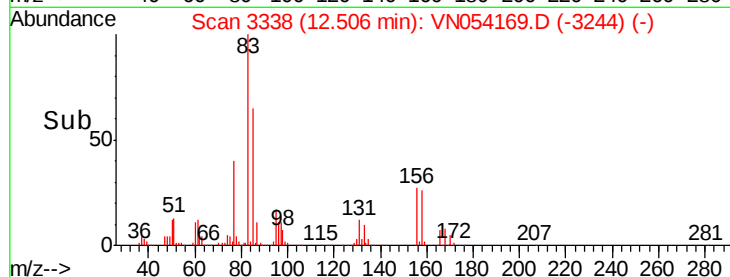
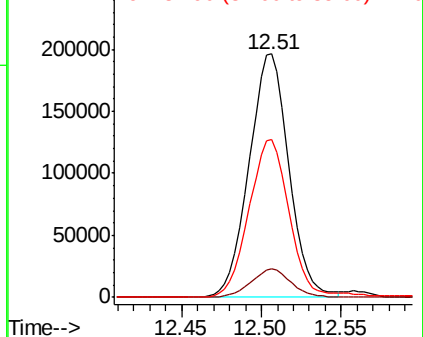
85 66.1 32.2 96.6

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 23.221 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

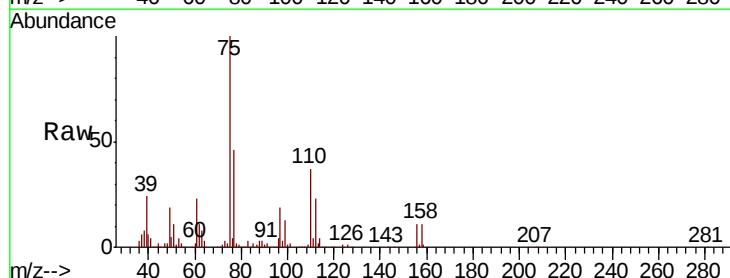
Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

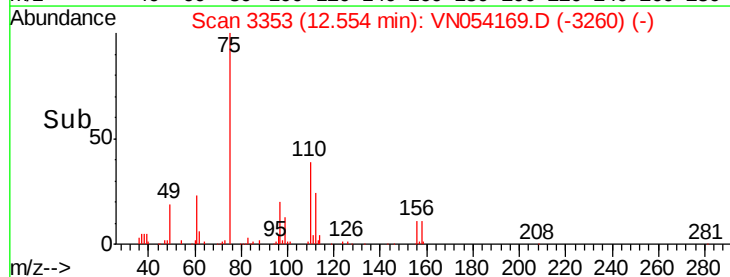
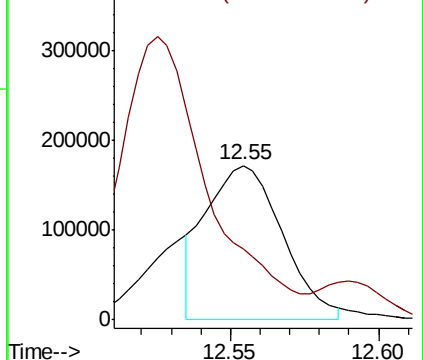
Tgt Ion: 75 Resp: 308972
Ion Ratio Lower Upper

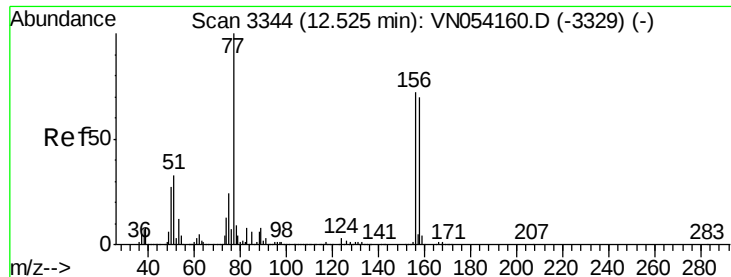
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 21.778 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

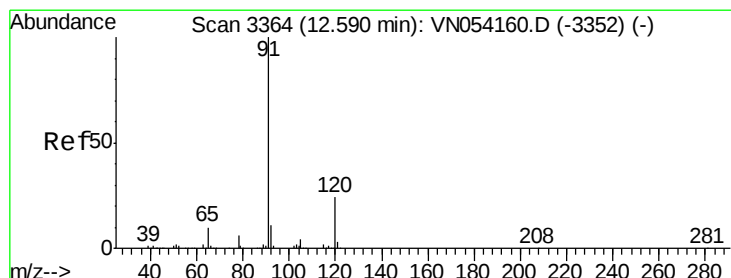
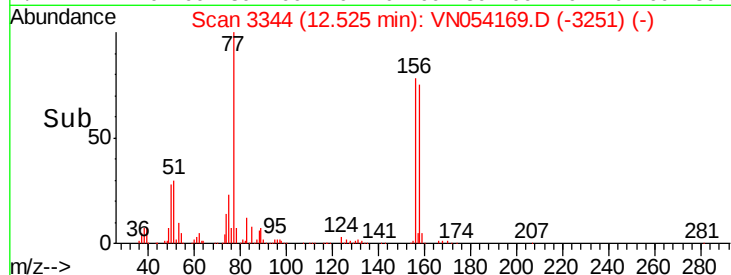
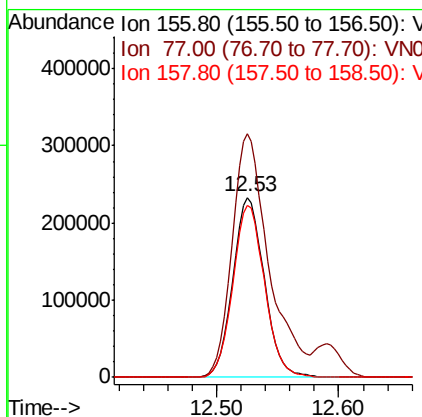
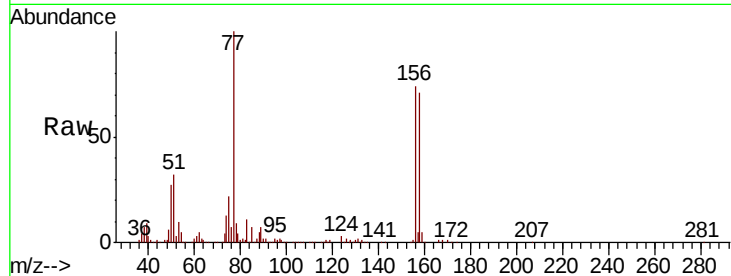
ClientSampleId :

VN0312WBSD01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	159.2	81.5	244.4
158	96.5	49.0	147.2

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#78

n-propylbenzene

Concen: 22.050 ug/l

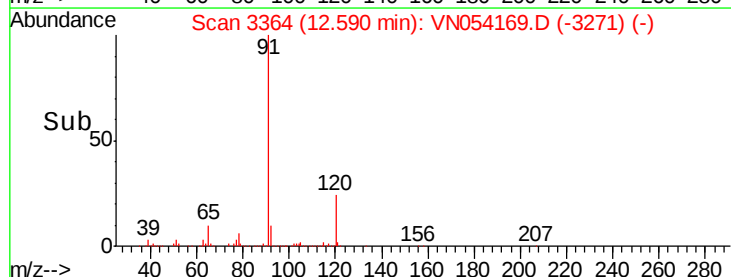
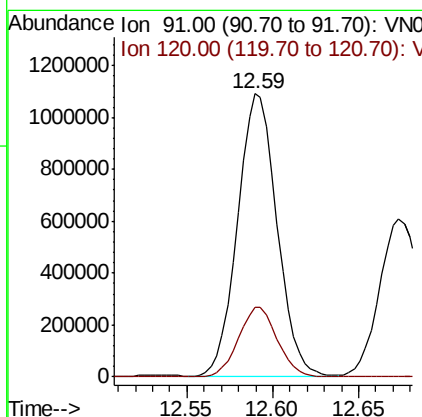
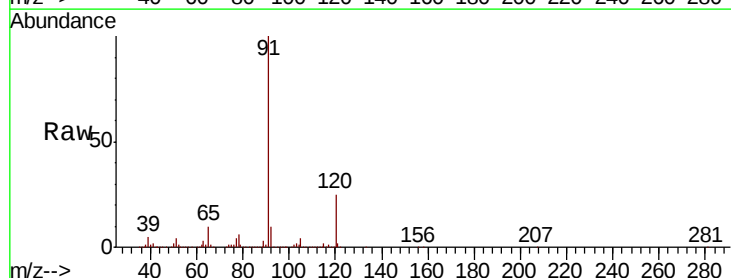
RT: 12.59 min Scan# 3364

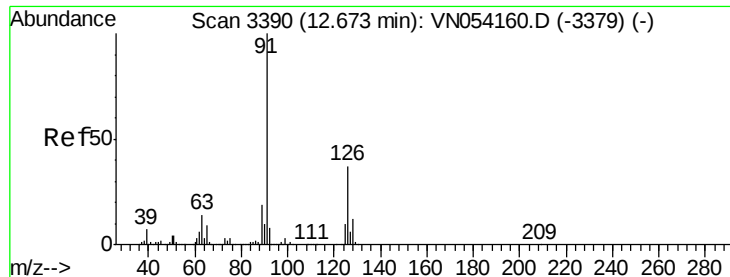
Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.3	36.9





#79

2-Chlorotoluene

Concen: 22.035 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

VN0312WBSD01

Tgt Ion: 91 Resp: 1040694

Ion Ratio Lower Upper

91 100

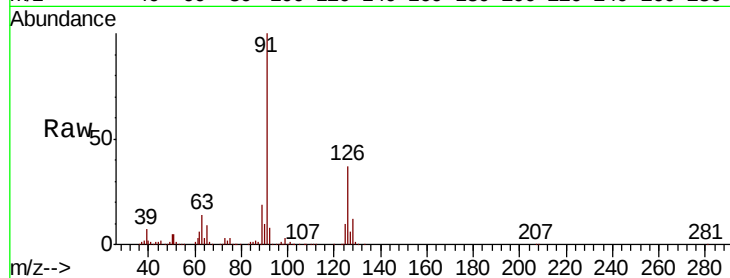
126 37.1 18.7 56.1

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Abundance Ion 91.00 (90.70 to 91.70): VN054169.D (-3397) (-)

Ion 125.90 (125.60 to 126.60): VN054169.D (-3397) (-)

12.67

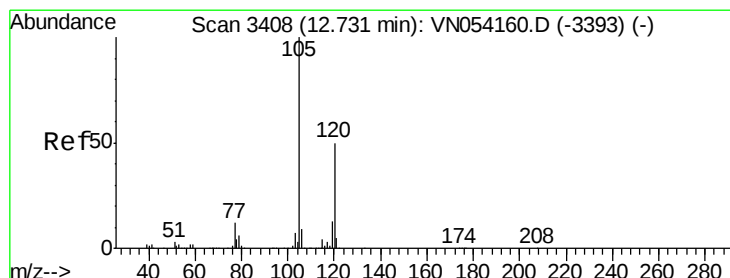
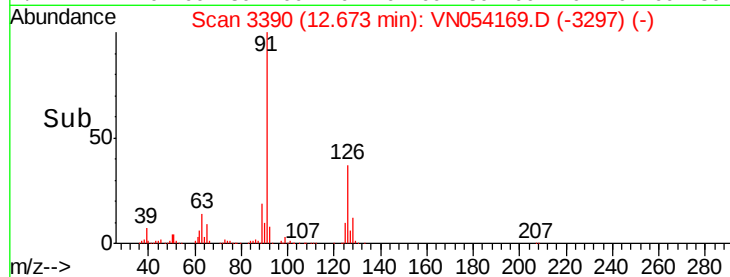
600000

400000

200000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.675 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054169.D

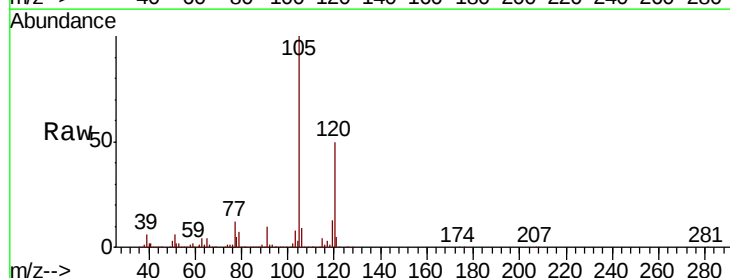
Acq: 12 Mar 2019 17:49

Tgt Ion: 105 Resp: 1305156

Ion Ratio Lower Upper

105 100

120 50.1 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054169.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN054169.D (-3315) (-)

12.73

800000

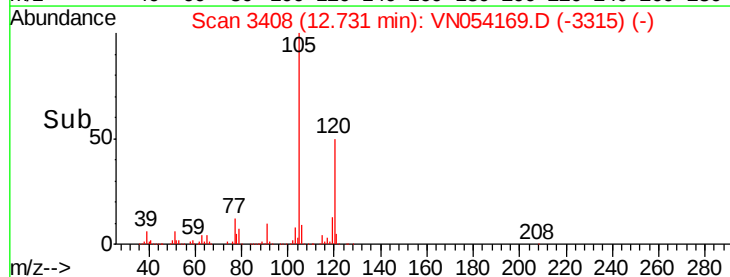
600000

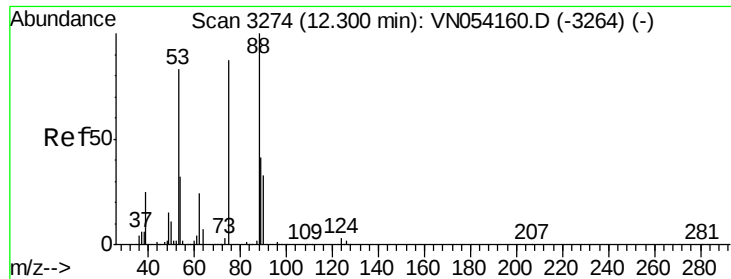
400000

200000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.705 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

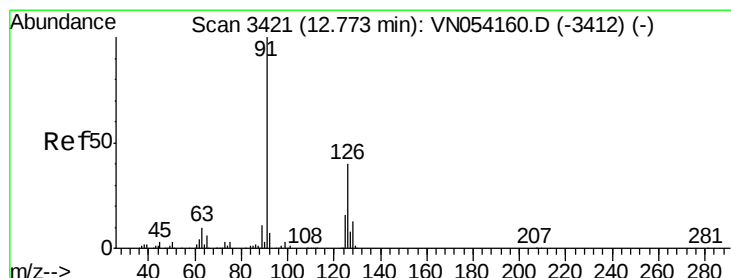
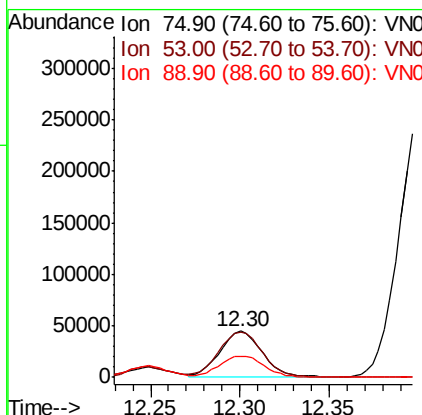
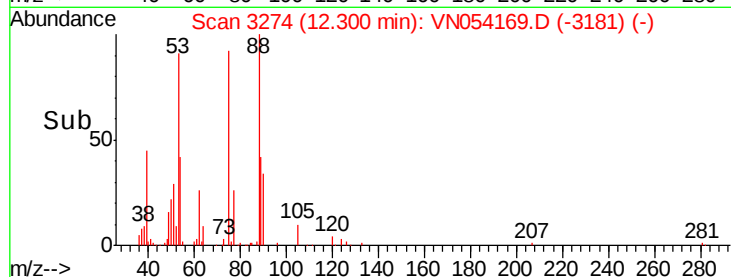
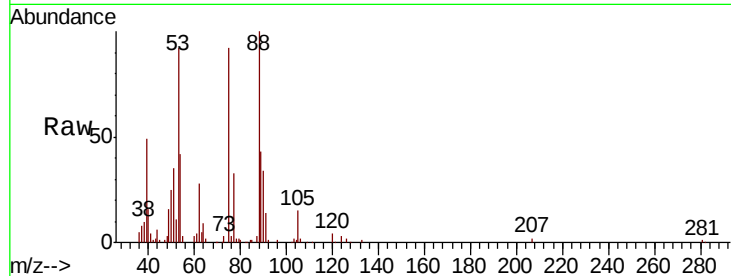
ClientSampleId :

VN0312WBSD01

Tgt Ion:	75	Resp:	72808
Ion	Ratio	Lower	Upper
75	100		
53	105.1	76.2	114.2
89	49.5	39.2	58.8

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#82

4-Chlorotoluene

Concen: 21.556 ug/l

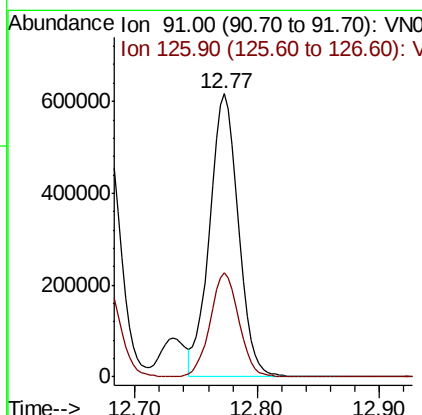
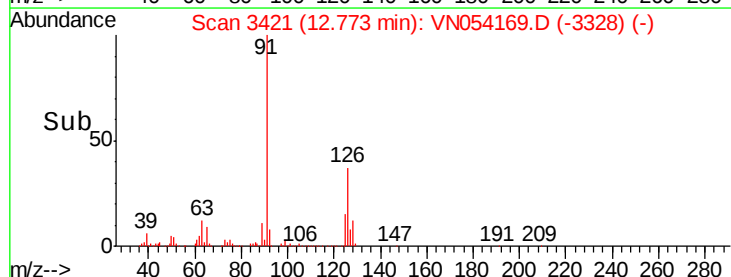
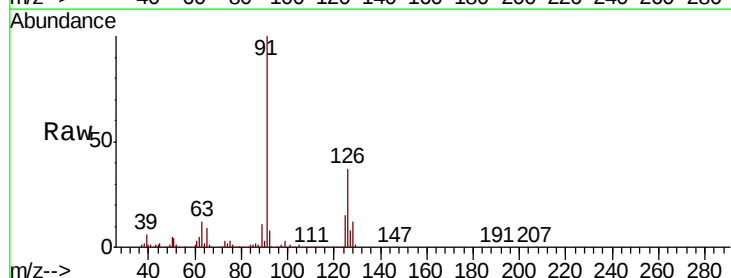
RT: 12.77 min Scan# 3421

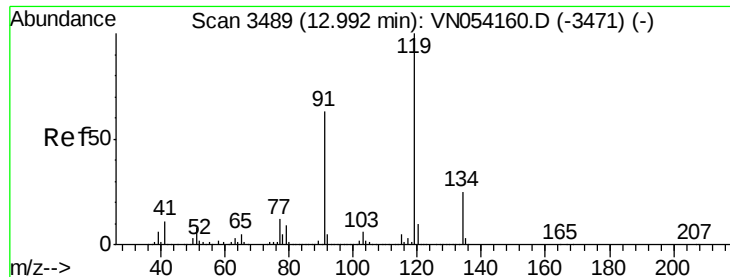
Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Tgt Ion:	91	Resp:	1016579
Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.1	54.1





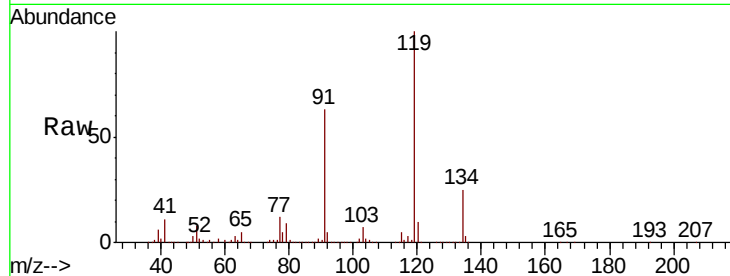
#83
tert-Butylbenzene
Concen: 21.952 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

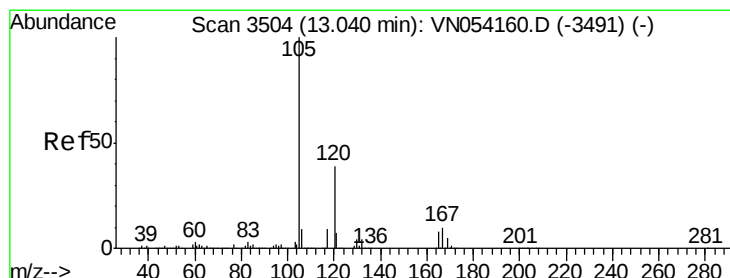
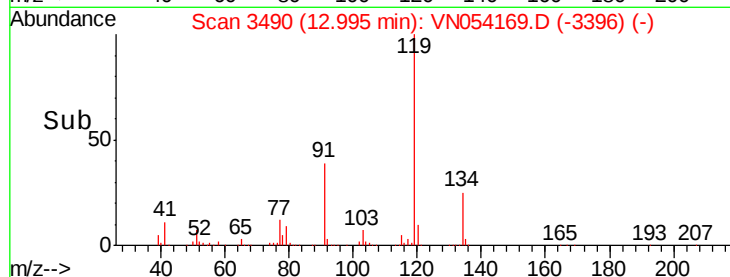
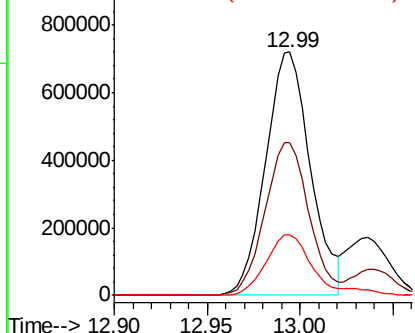
Tgt Ion:119 Resp: 1216633
Ion Ratio Lower Upper
119 100
91 61.4 30.9 92.8
134 26.6 13.2 39.6

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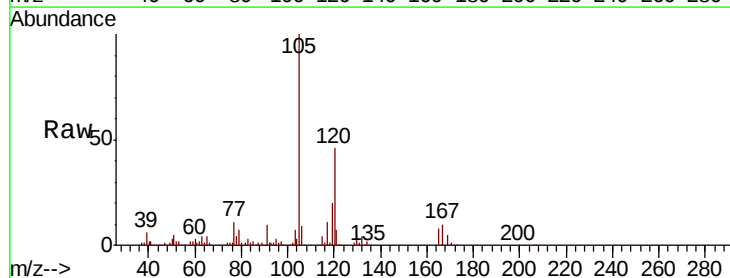


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

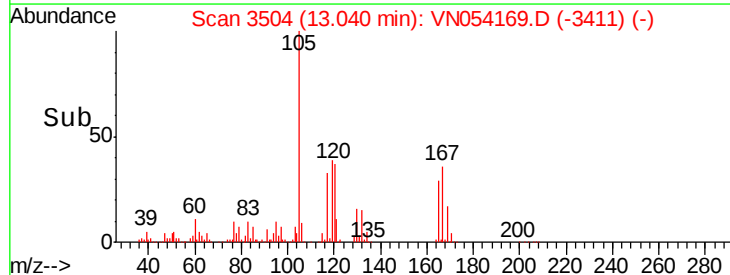
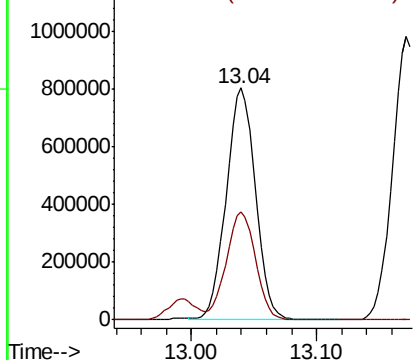


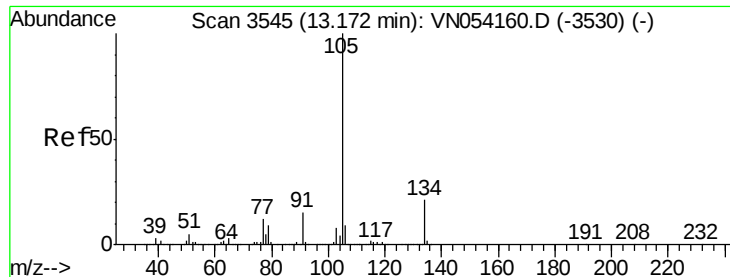
#84
1,2,4-Trimethylbenzene
Concen: 21.991 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion:105 Resp: 1299054
Ion Ratio Lower Upper
105 100
120 46.7 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.015 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tgt Ion:105 Resp: 1582368

Ion Ratio Lower Upper

105 100

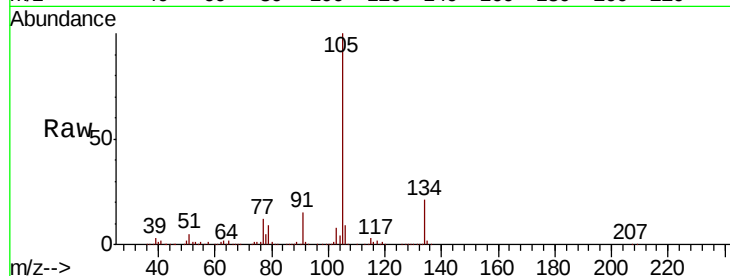
134 21.4 10.7 32.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

1000000

800000

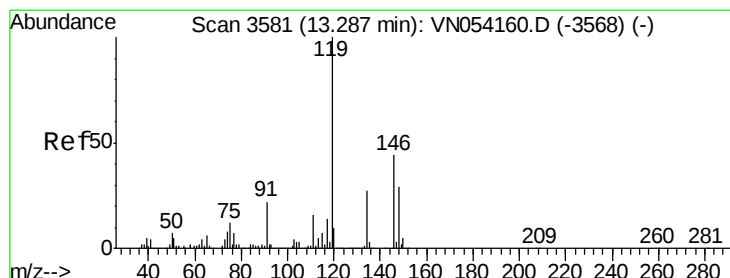
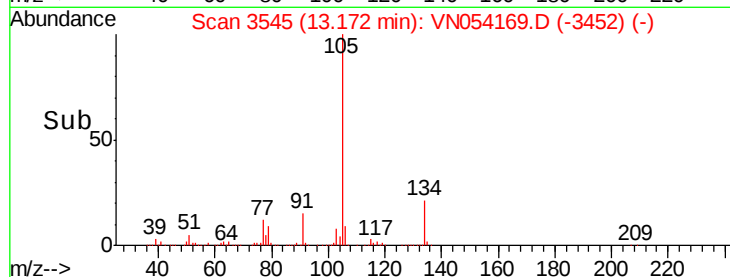
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.791 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

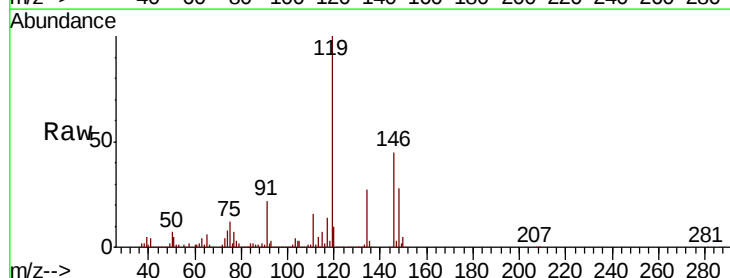
Tgt Ion:119 Resp: 1374059

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

91 22.5 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1200000

1000000

800000

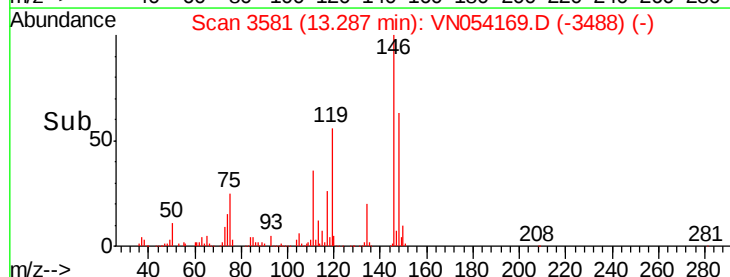
600000

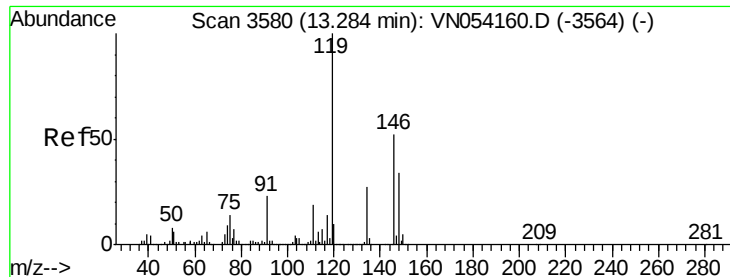
400000

200000

0

Time-->





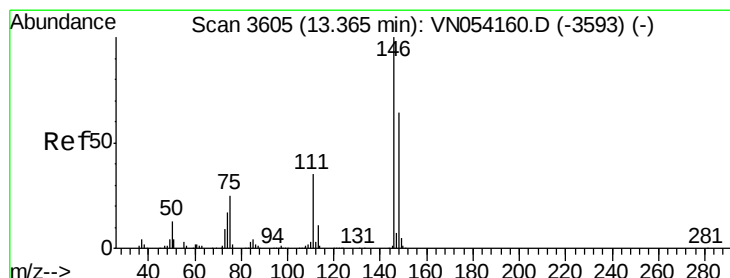
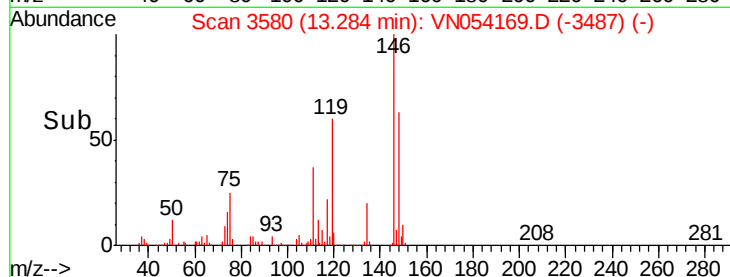
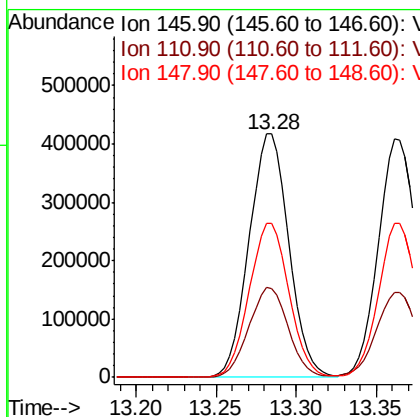
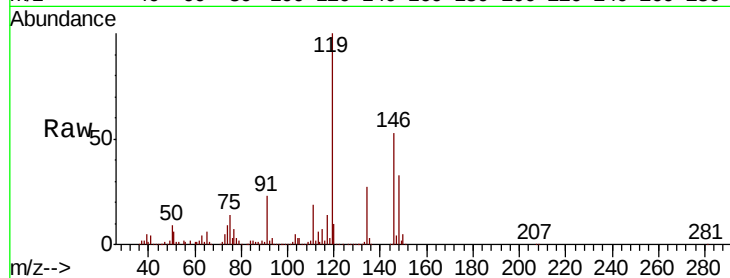
#87
 1,3-Dichlorobenzene
 Concen: 22.027 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.8	56.3
148	63.3	32.2	96.6

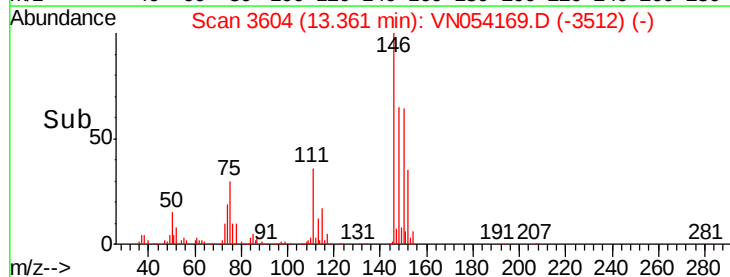
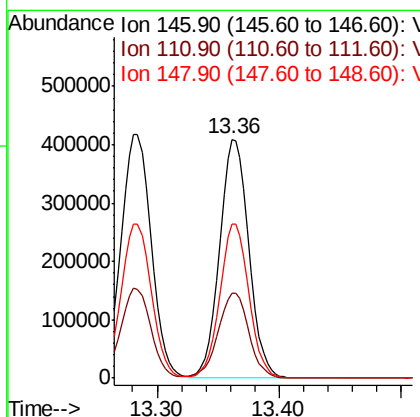
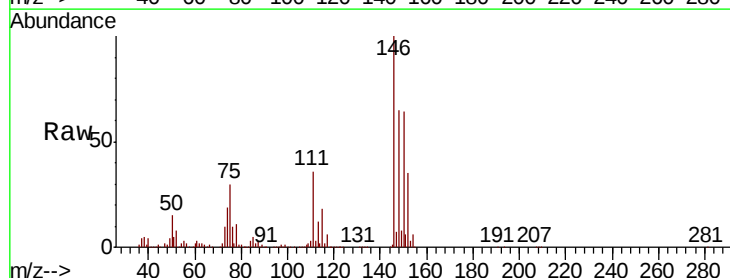
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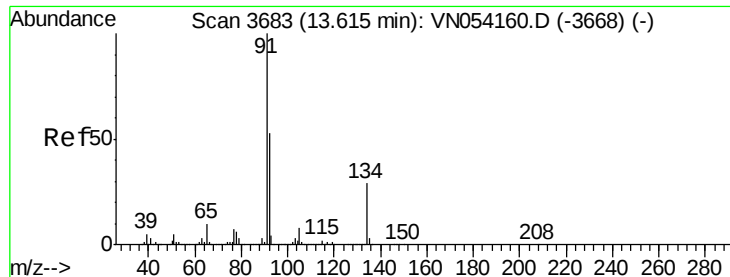
MMDadoda
 3/13/2019 11:49:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.763 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.1
148	64.3	32.0	96.0





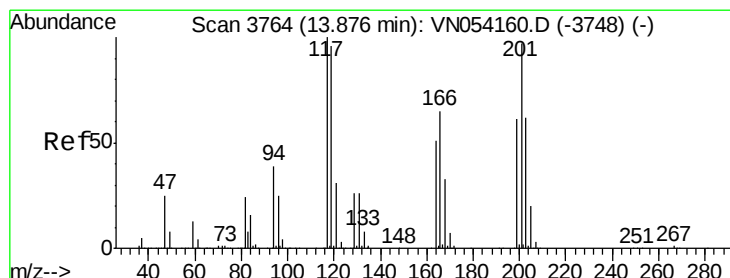
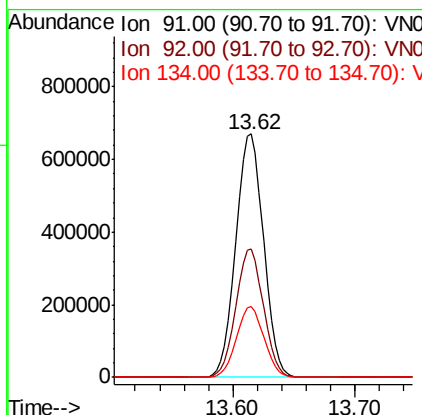
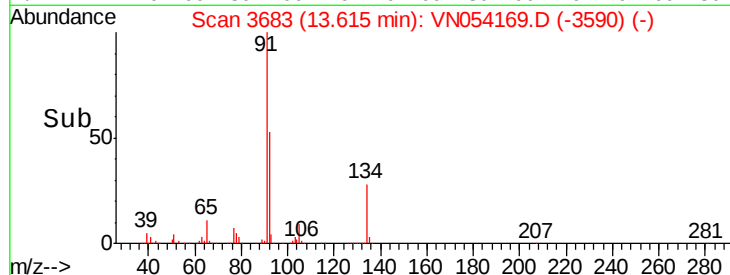
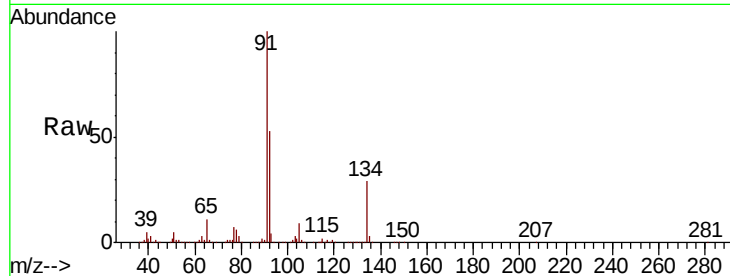
#89
n-Butylbenzene
Concen: 21.997 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tgt Ion: 91 Resp: 1053915
Ion Ratio Lower Upper
91 100
92 52.3 26.2 78.6
134 28.8 14.3 42.9

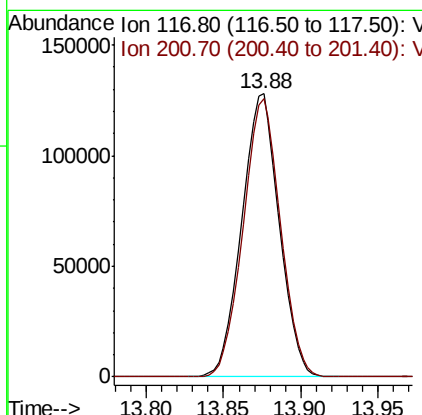
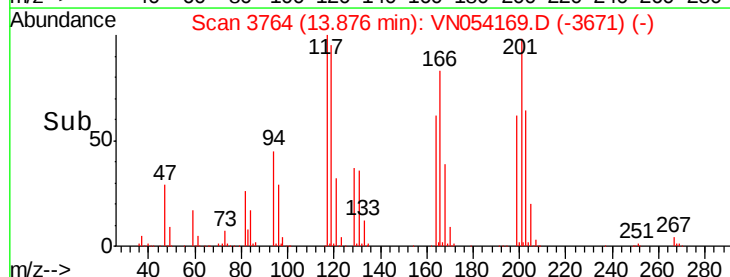
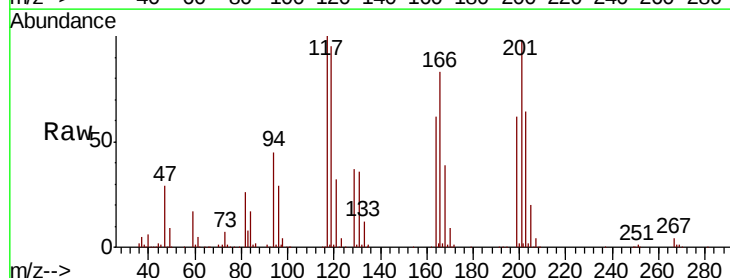
Manual Integrations
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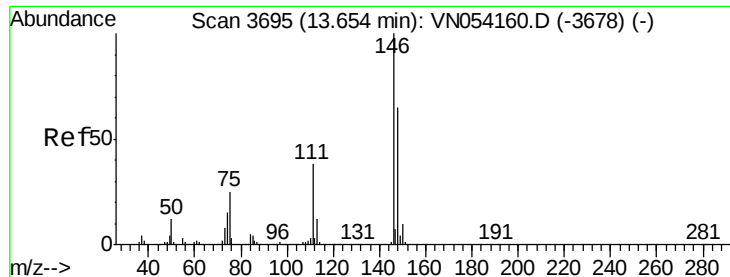
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#90
Hexachloroethane
Concen: 20.640 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion: 117 Resp: 215505
Ion Ratio Lower Upper
117 100
201 97.9 48.1 144.4





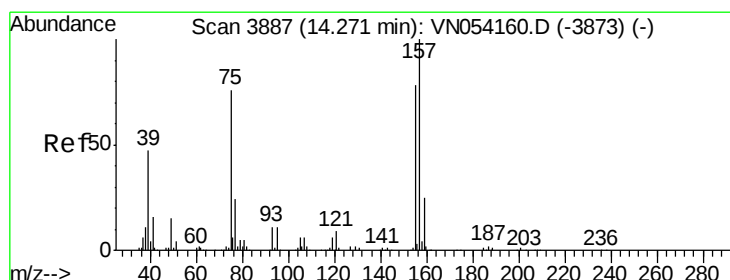
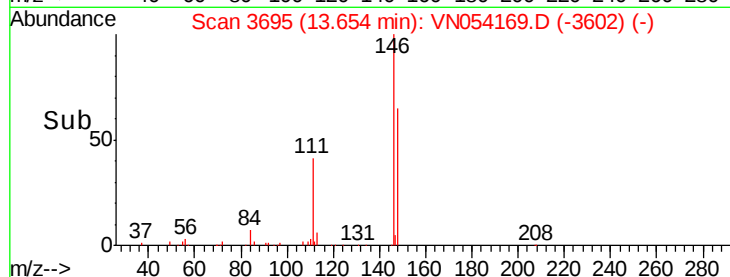
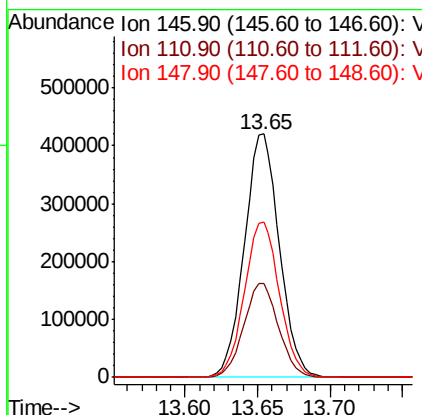
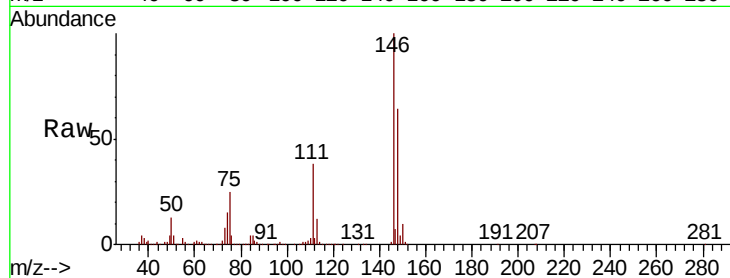
#91
 1,2-Dichlorobenzene
 Concen: 22.339 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.3
148	64.0	32.4	97.0

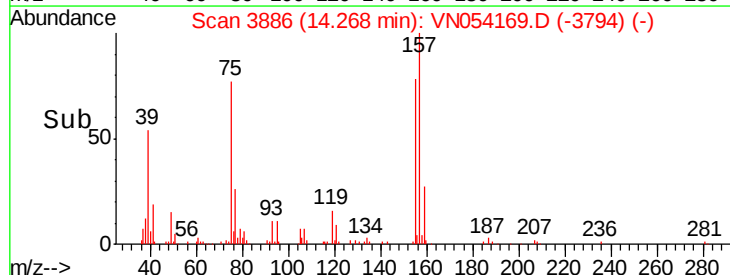
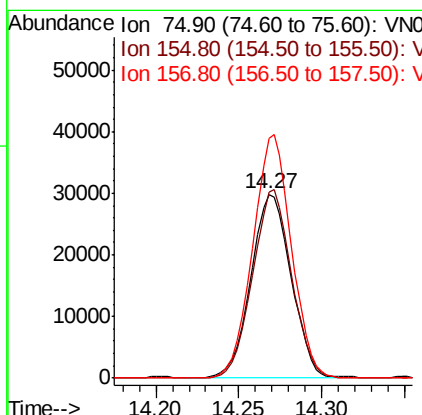
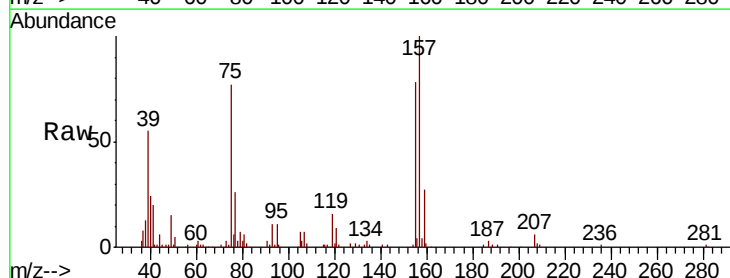
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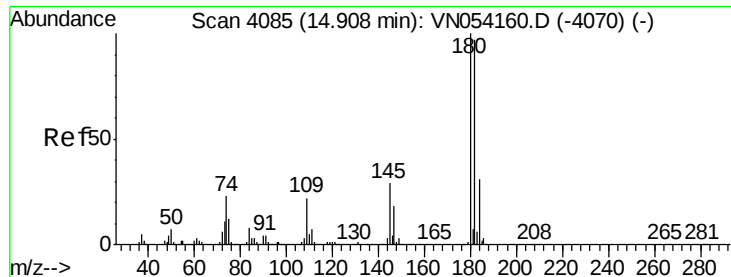
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.115 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.4	50.1	150.3
157	127.2	63.1	189.3





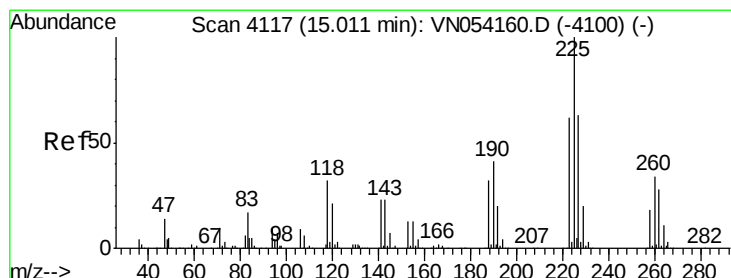
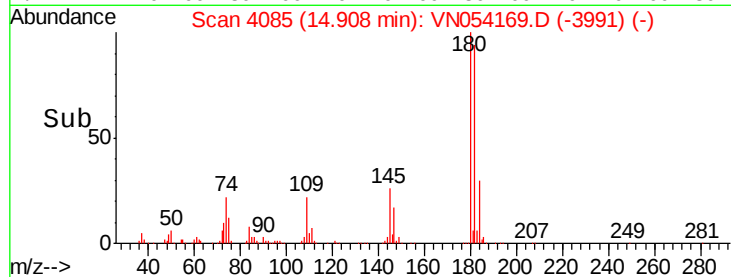
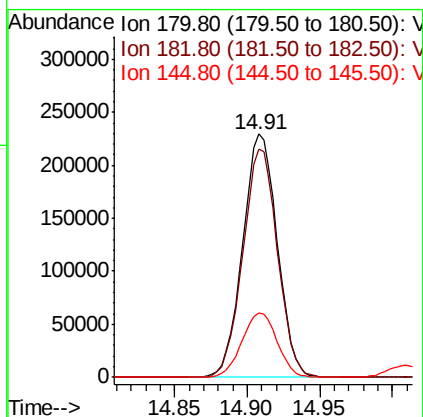
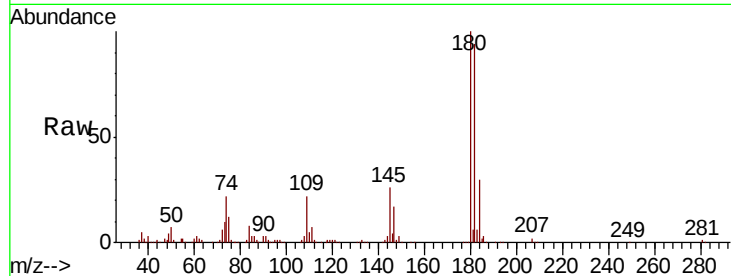
#93
 1,2,4-Trichlorobenzene
 Concen: 21.470 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	380209		
182	94.1	48.0	144.2	
145	27.0	14.2	42.8	

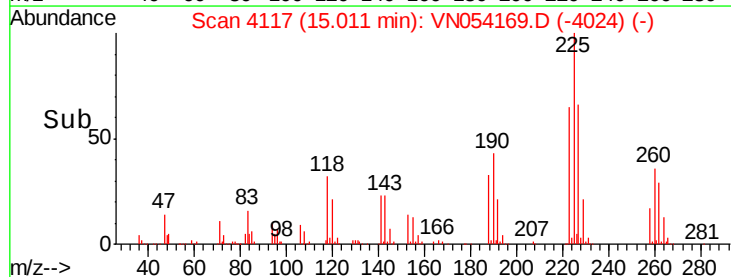
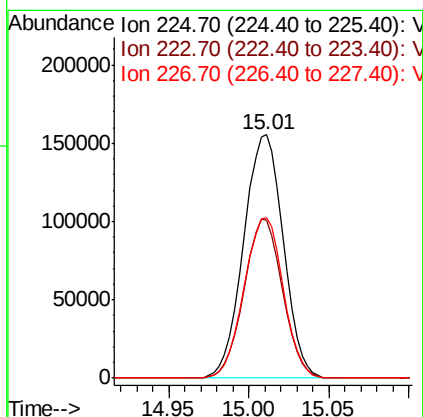
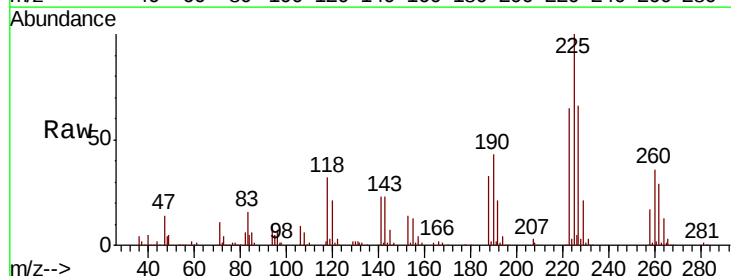
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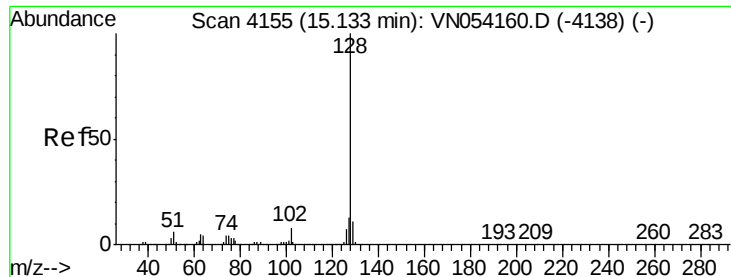
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#94
 Hexachlorobutadiene
 Concen: 21.843 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	262536		
223	63.5	31.1	93.5	
227	65.2	31.9	95.9	





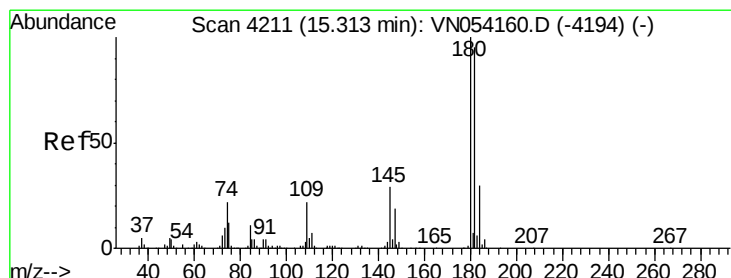
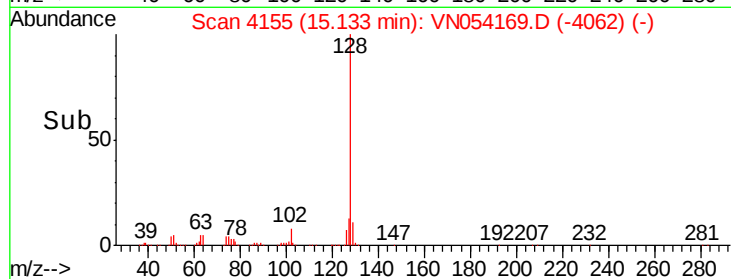
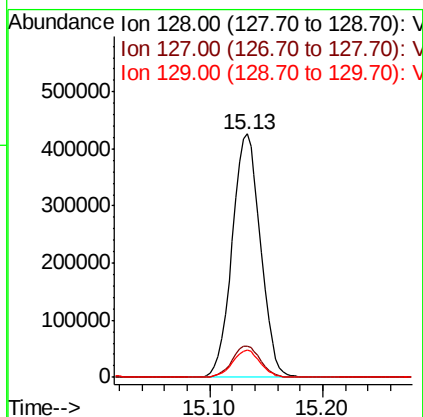
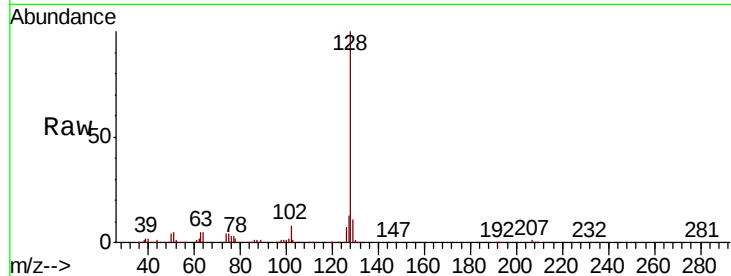
#95
Naphthalene
Concen: 20.864 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	11.0	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 22.604 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	29.6	14.8	44.3

