

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
 Data File : VN055569.D
 Acq On : 13 May 2019 10:51
 Operator : JC/SP
 Sample : VN0513WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 9:42:26 AM

Quant Time: May 14 02:05:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	676377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1155557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	983101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	382541	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	475873	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
35) Dibromofluoromethane	7.59	113	374917	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	10.09	98	1422786	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	467882	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	129441	18.797	ug/l	98
3) Chloromethane	2.06	50	198466	17.740	ug/l	99
4) Vinyl Chloride	2.19	62	198715	18.817	ug/l	100
5) Bromomethane	2.57	94	123164	21.286	ug/l	100
6) Chloroethane	2.71	64	120603	19.606	ug/l	97
7) Trichlorofluoromethane	3.02	101	235819	20.355	ug/l	98
8) Diethyl Ether	3.41	74	102034	19.610	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	149796	20.322	ug/l	98
10) Methyl Iodide	3.95	142	170863	17.150	ug/l	99
11) Tert butyl alcohol	4.81	59	115506	76.816	ug/l	99
12) 1,1-Dichloroethene	3.73	96	142766	19.313	ug/l	97
13) Acrolein	3.61	56	87873	87.685	ug/l	98
14) Allyl chloride	4.32	41	283562	18.726	ug/l	99
15) Acrylonitrile	4.99	53	416725	89.501	ug/l	99
16) Acetone	3.82	43	439320	93.165	ug/l	99
17) Carbon Disulfide	4.05	76	382788	18.972	ug/l	98
18) Methyl Acetate	4.33	43	183373	17.819	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	467937	19.050	ug/l	98
20) Methylene Chloride	4.55	84	179363	18.602	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	157434	19.643	ug/l	94
22) Diisopropyl ether	5.96	45	589910	19.170	ug/l	97
23) Vinyl Acetate	5.90	43	2194027	92.193	ug/l	100
24) 1,1-Dichloroethane	5.85	63	325560	19.598	ug/l	100
25) 2-Butanone	6.84	43	580420	89.105	ug/l	99
26) 2,2-Dichloropropane	6.82	77	211555	20.429	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	186222	20.104	ug/l	98
28) Bromochloromethane	7.20	49	166078	19.252	ug/l	94
29) Tetrahydrofuran	7.22	42	372443	86.490	ug/l	98
30) Chloroform	7.37	83	308910	20.116	ug/l	99
31) Cyclohexane	7.66	56	303708	18.479	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	238480	20.393	ug/l	99
36) 1,1-Dichloropropene	7.79	75	228312	20.055	ug/l	98
37) Ethyl Acetate	6.93	43	220633	17.767	ug/l	99
38) Carbon Tetrachloride	7.77	117	195127	20.355	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	274692	19.790	ug/l	98
40) Benzene	8.04	78	713081	20.182	ug/l	99
41) Methacrylonitrile	7.17	41	100960	17.516	ug/l	93
42) 1,2-Dichloroethane	8.13	62	236532	19.055	ug/l	99
43) Isopropyl Acetate	8.17	43	344871	18.280	ug/l	96
44) Trichloroethene	8.84	130	176233	20.963	ug/l	95
45) 1,2-Dichloropropane	9.12	63	198895	19.674	ug/l	99
46) Dibromomethane	9.21	93	116200	19.830	ug/l	96
47) Bromodichloromethane	9.40	83	228248	20.361	ug/l	97
48) Methyl methacrylate	9.20	41	160185	17.622	ug/l	97
49) 1,4-Dioxane	9.20	88	44950	253.716	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1095244	88.268	ug/l	100
52) Toluene	10.16	92	408914	20.244	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	219700	20.406	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	260274	20.231	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	164469	20.096	ug/l	98
56) Ethyl methacrylate	10.43	69	222227	18.255	ug/l	99
57) 1,3-Dichloropropane	10.71	76	287120	19.761	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	275905	76.471	ug/l	99
59) 2-Hexanone	10.75	43	753821	86.628	ug/l	100
60) Dibromochloromethane	10.90	129	159694	21.462	ug/l	98
61) 1,2-Dibromoethane	11.01	107	154369	19.632	ug/l	99
64) Tetrachloroethene	10.63	164	164384	20.406	ug/l	97
65) Chlorobenzene	11.43	112	416184	20.577	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	148888	21.383	ug/l	98
67) Ethyl Benzene	11.51	91	753677	19.840	ug/l	99
68) m/p-Xylenes	11.62	106	546382	40.079	ug/l	100
69) o-Xylene	11.95	106	265218	19.794	ug/l	100
70) Styrene	11.96	104	436181	20.319	ug/l	99
71) Bromoform	12.13	173	97895	20.834	ug/l #	100
73) Isopropylbenzene	12.25	105	720602	21.413	ug/l	100
74) N-amyl acetate	12.07	43	234981	16.180	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	225960	20.594	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	196545m	18.873	ug/l	
77) Bromobenzene	12.53	156	164940	19.565	ug/l	94
78) n-propylbenzene	12.59	91	793763	19.346	ug/l	99
79) 2-Chlorotoluene	12.67	91	492142	19.247	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	589972	19.284	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50577	17.920	ug/l	97
82) 4-Chlorotoluene	12.77	91	469147	19.417	ug/l	99
83) tert-Butylbenzene	12.99	119	500010	19.067	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	544500	19.406	ug/l	100
85) sec-Butylbenzene	13.17	105	668111	19.170	ug/l	98
86) p-Isopropyltoluene	13.29	119	549738	19.382	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	261032	20.038	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	254471	19.794	ug/l	99
89) n-Butylbenzene	13.61	91	404777	18.411	ug/l	99
90) Hexachloroethane	13.87	117	94448	20.413	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	261680	20.099	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30819	17.520	ug/l	99

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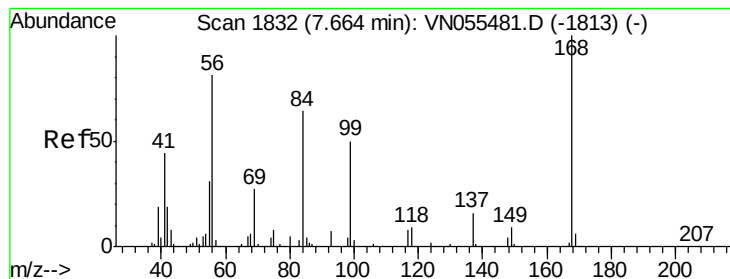
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	82228	16.781	ug/l	99
94) Hexachlorobutadiene	15.01	225	89640	21.960	ug/l	98
95) Naphthalene	15.13	128	208066	15.216	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	93666	16.942	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBS01

Tot Ion:168 Resp: 676377

Ion Ratio Lower Upper

168 100

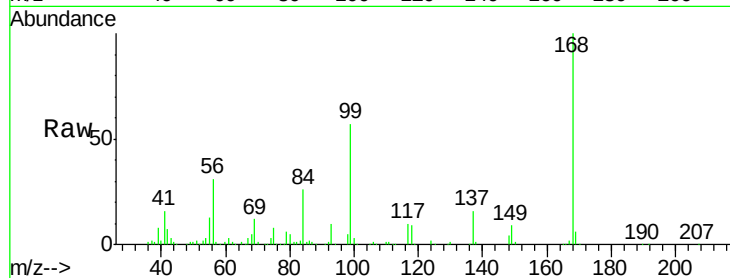
99 56.3 47.0 70.4

Manual Integrations

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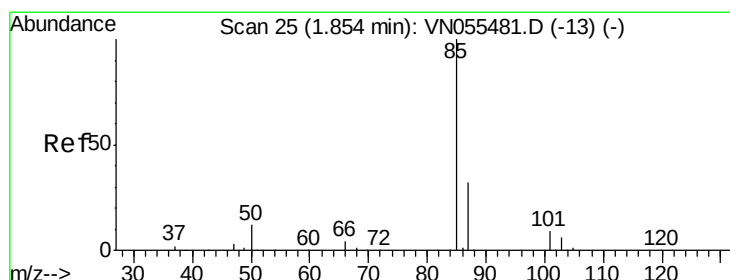
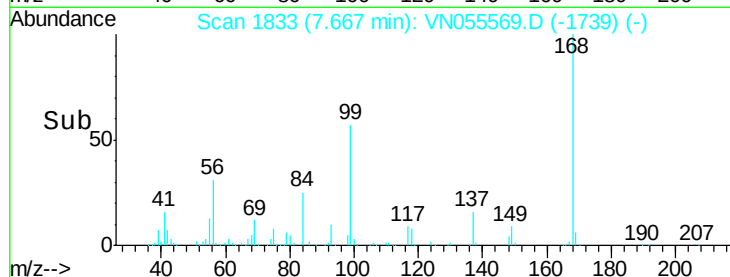
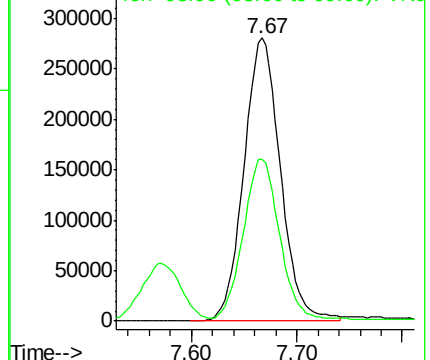
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.797 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055569.D

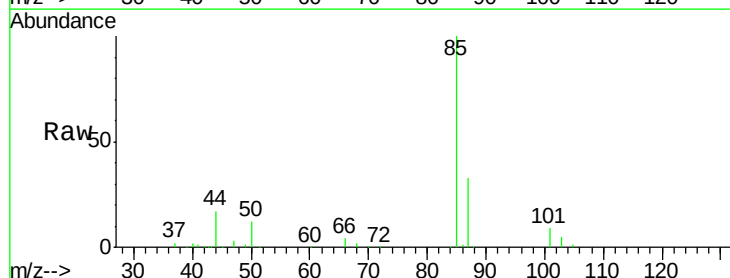
Acq: 13 May 2019 10:51

Tgt Ion: 85 Resp: 129441

Ion Ratio Lower Upper

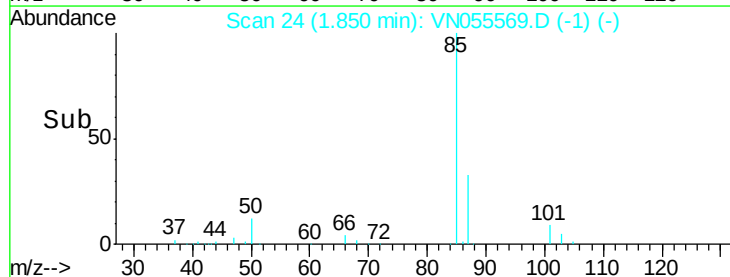
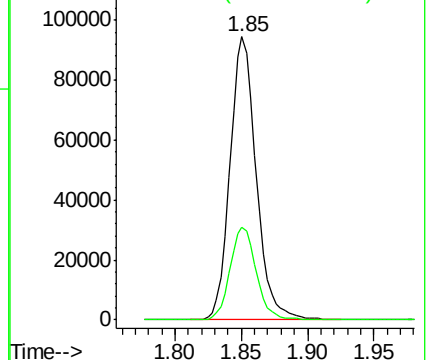
85 100

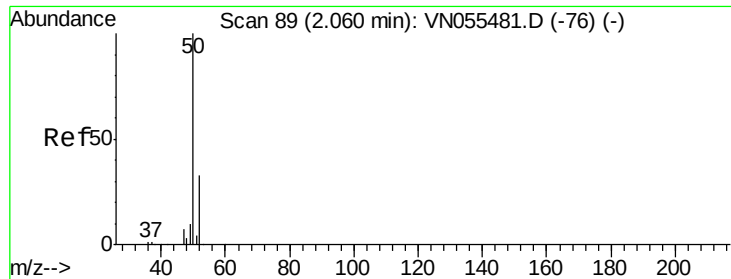
87 32.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.740 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBS01

Tot Ion: 50 Resp: 198466

Ion Ratio Lower Upper

50 100

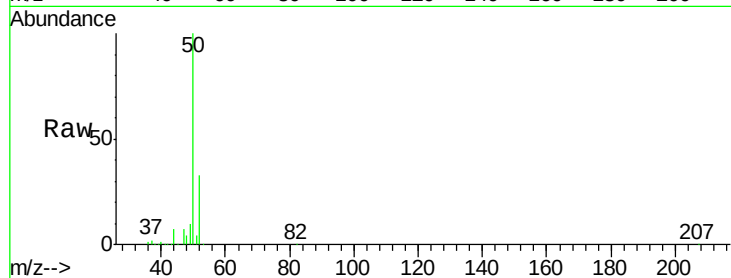
52 32.6 26.6 39.8

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

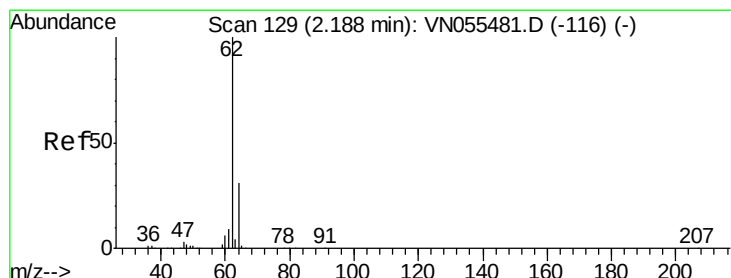
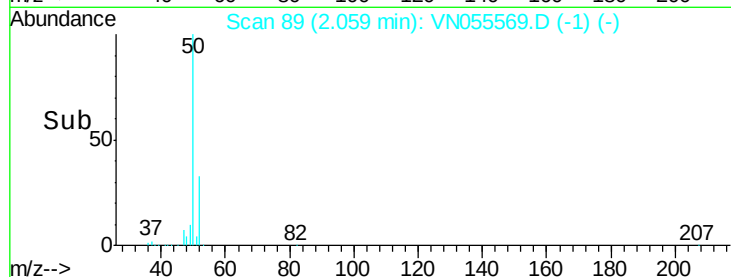
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 18.817 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055569.D

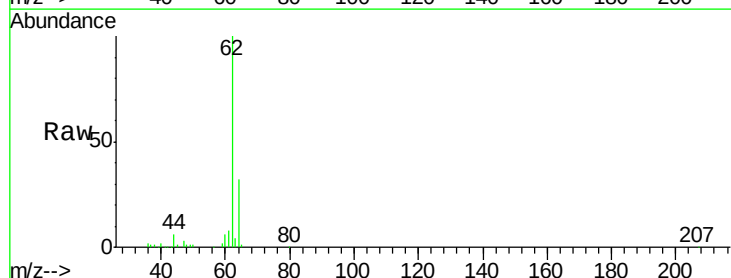
Acq: 13 May 2019 10:51

Tgt Ion: 62 Resp: 198715

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

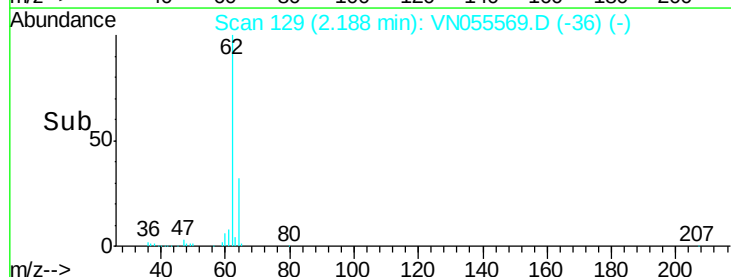
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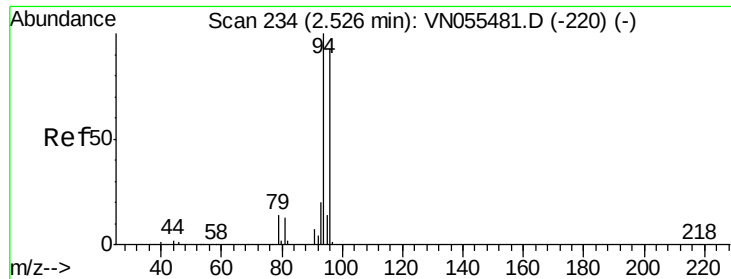
100000

50000

0

Time-->





#5

Bromomethane

Concen: 21.286 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.04 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBS01

Tot Ion: 94 Resp: 123164

Ion Ratio Lower Upper

94 100

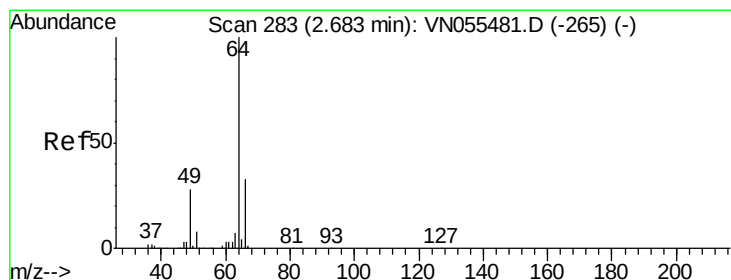
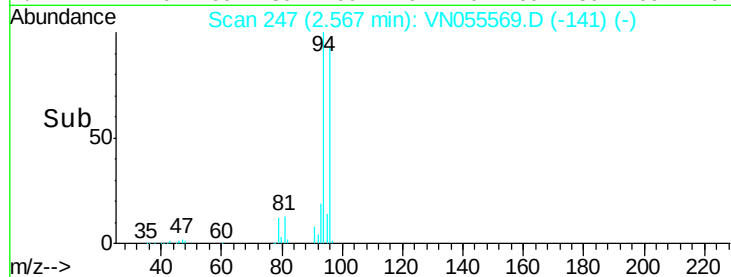
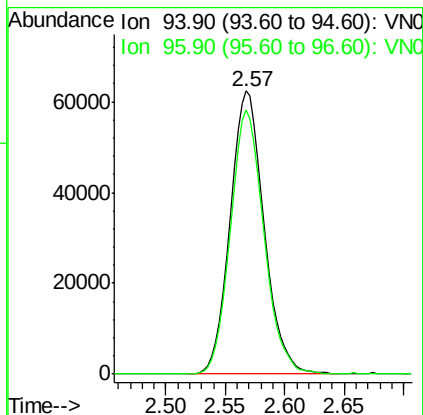
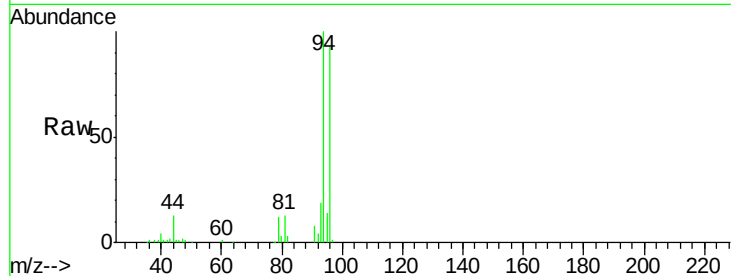
96 93.3 74.8 112.2

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#6

Chloroethane

Concen: 19.606 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.02 min

Lab File: VN055569.D

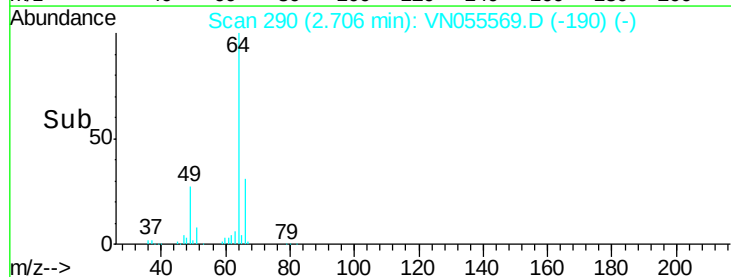
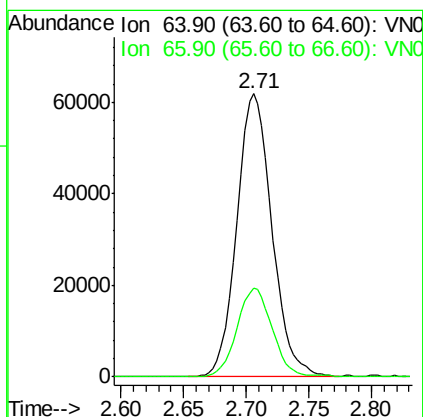
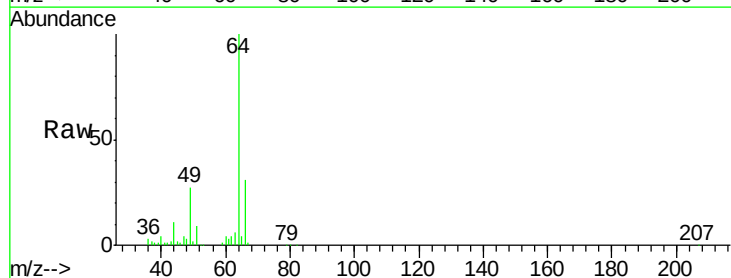
Acq: 13 May 2019 10:51

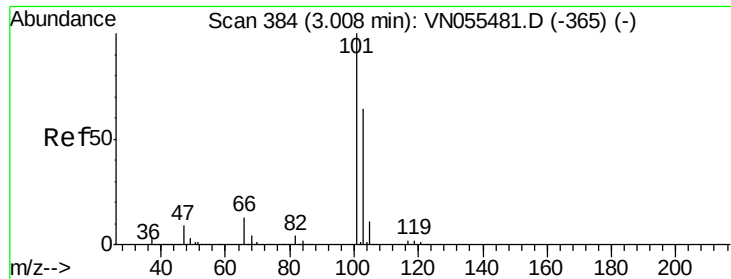
Tgt Ion: 64 Resp: 120603

Ion Ratio Lower Upper

64 100

66 31.3 26.2 39.2





#7

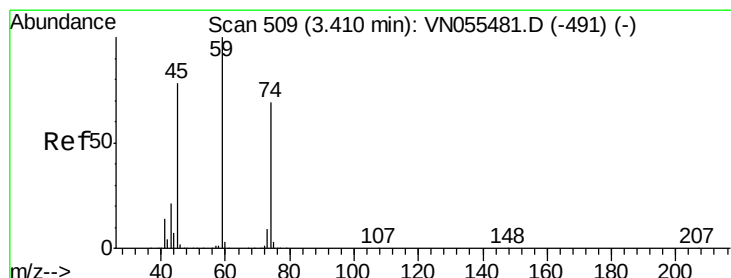
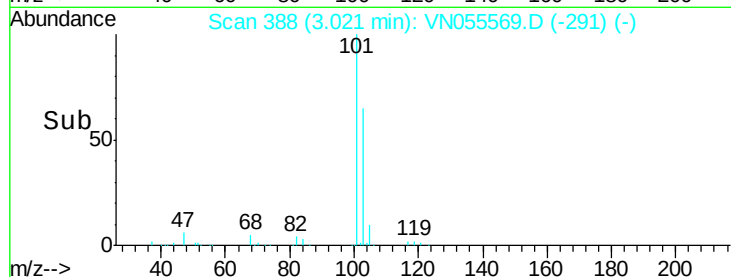
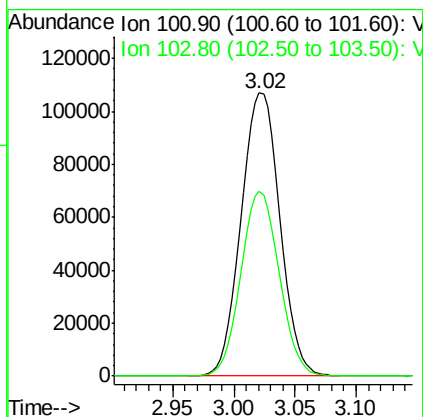
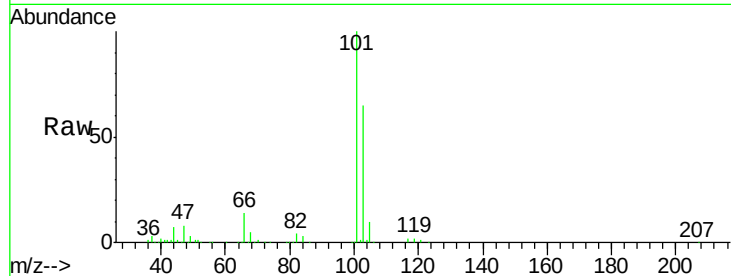
Trichlorofluoromethane
 Concen: 20.355 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.01 min
 Lab File: VN055569.D
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Instrument :
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 VN0513WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		235819		
103	65.2	51.2			76.8

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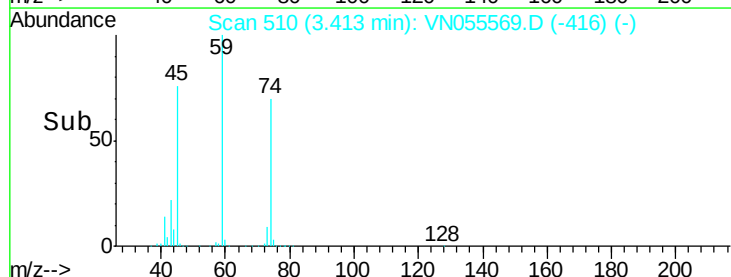
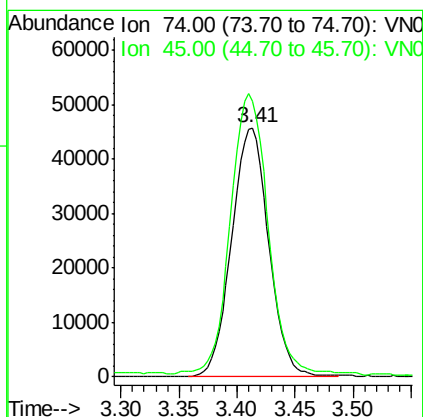
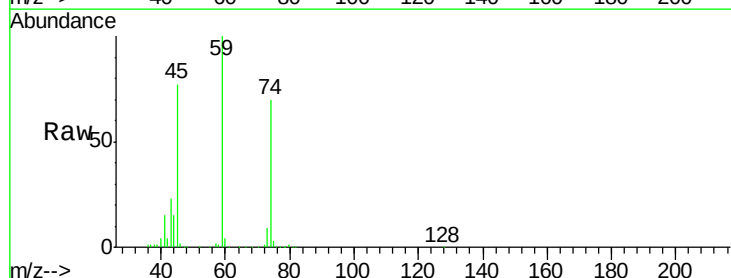
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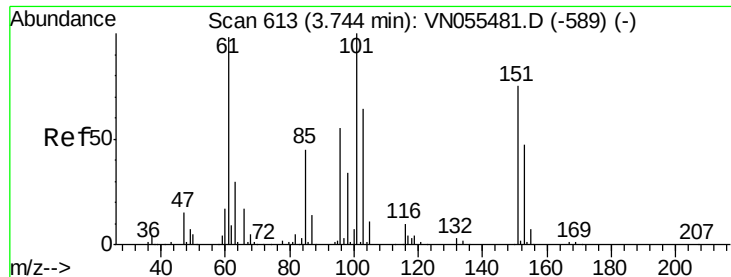


#8

Diethyl Ether
 Concen: 19.610 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		102034		
45	112.5	58.1			174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.322 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

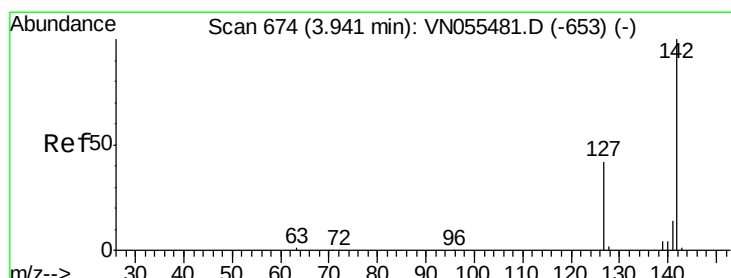
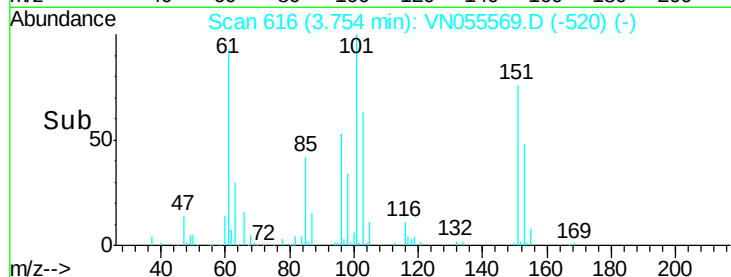
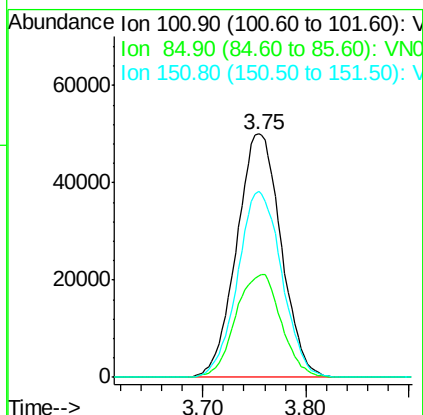
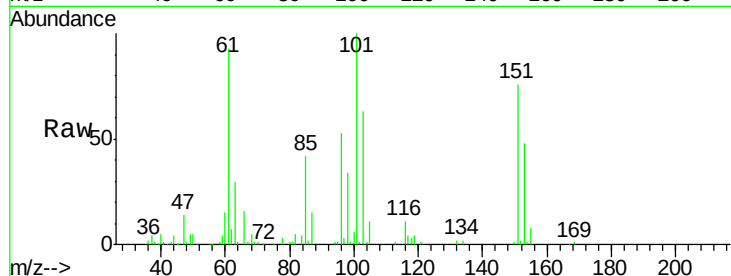
ClientSampleId :

VN0513WBS01

Tot Ion:	101	Resp:	149796
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.5	53.3
151	75.7	59.2	88.8

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#10

Methyl Iodide

Concen: 17.150 ug/l

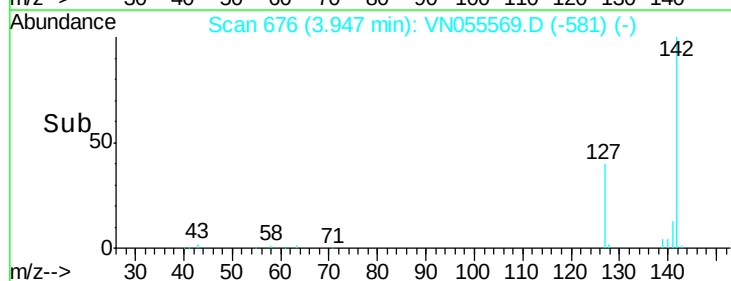
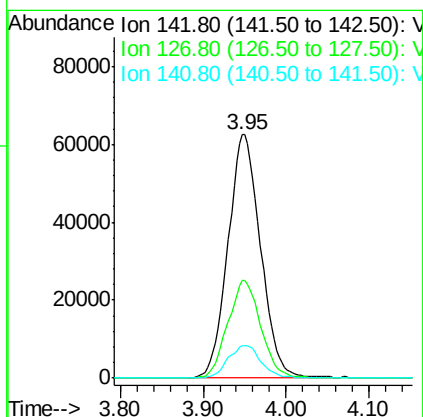
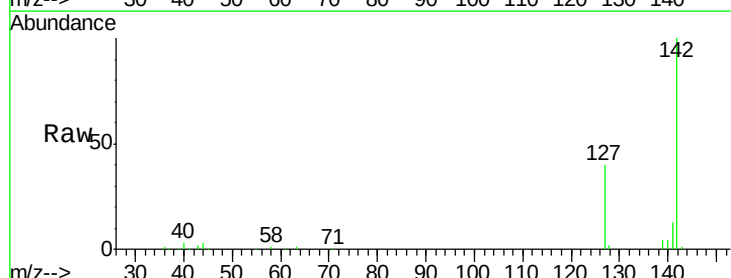
RT: 3.95 min Scan# 676

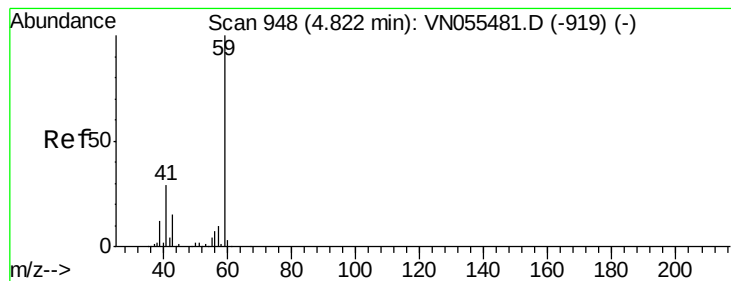
Delta R.T. 0.01 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Tgt Ion:	142	Resp:	170863
Ion Ratio	Lower	Upper	
142	100		
127	40.5	33.0	49.4
141	13.5	11.4	17.0





#11

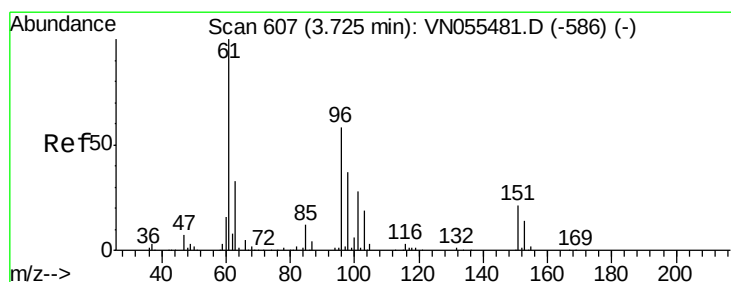
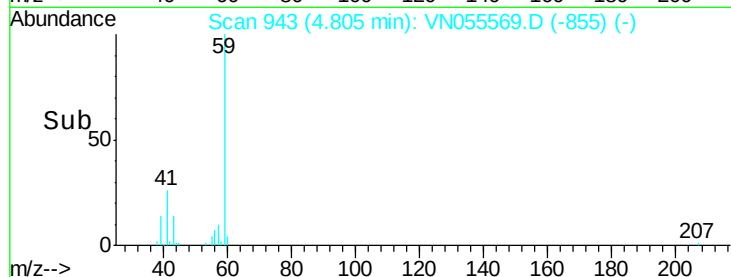
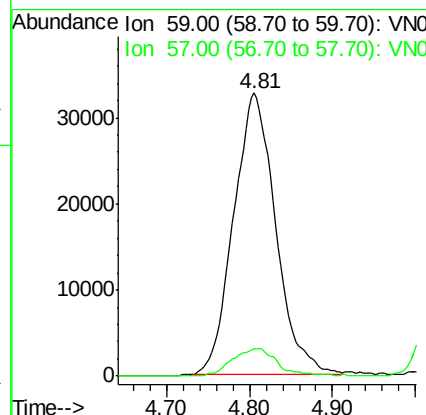
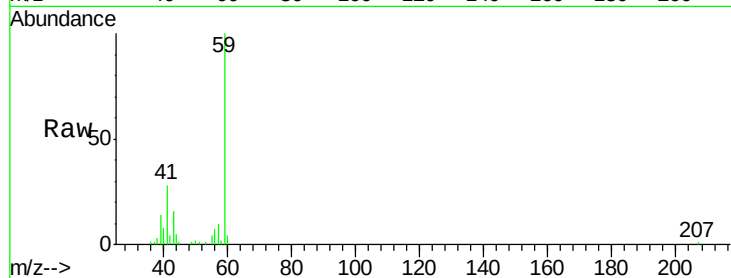
Tert butyl alcohol
Concen: 76.816 ug/l
RT: 4.81 min Scan# 943
Delta R.T. -0.02 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	115506		
57	10.6		8.0	12.0

Manual Integrations
APPROVED

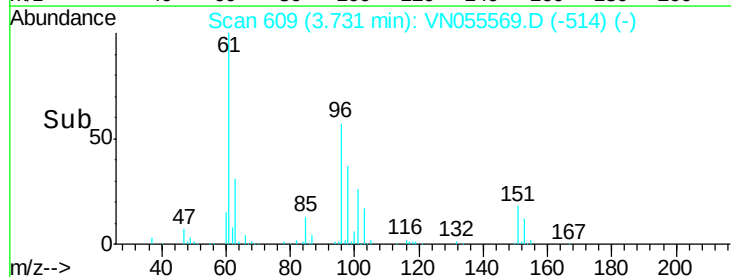
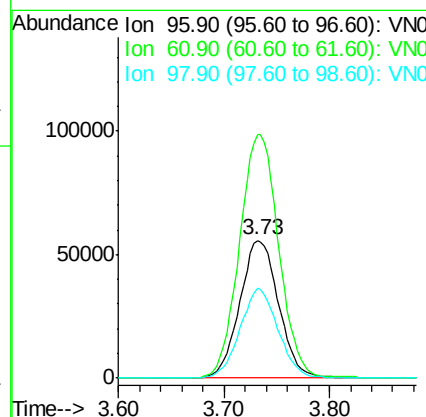
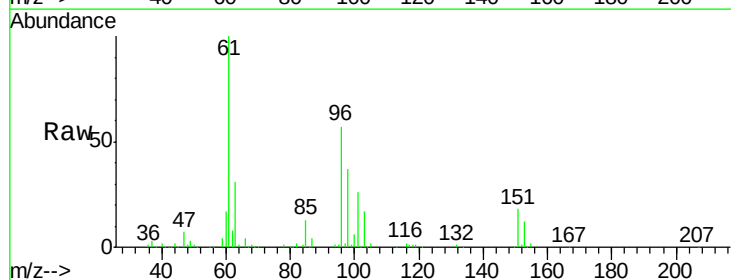
MMDadoda
5/14/2019 9:42:26 AM

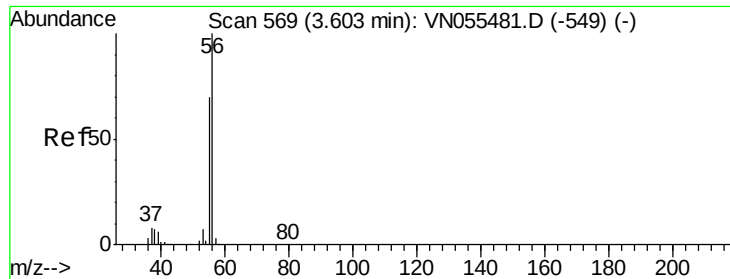


#12

1,1-Dichloroethene
Concen: 19.313 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.01 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	142766		
61	176.8		138.7	208.1
98	65.4		50.6	76.0





#13

Acrolein

Concen: 87.685 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBS01

Tot Ion: 56 Resp: 87873

Ion Ratio Lower Upper

56 100

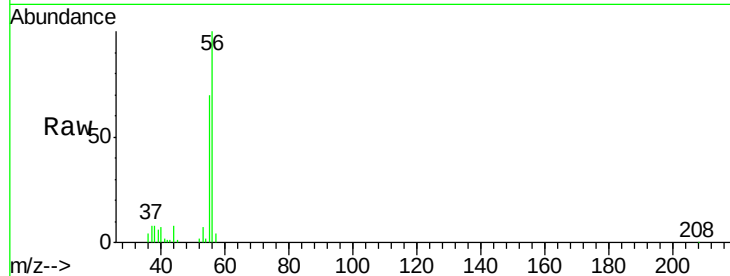
55 70.0 57.7 86.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

40000

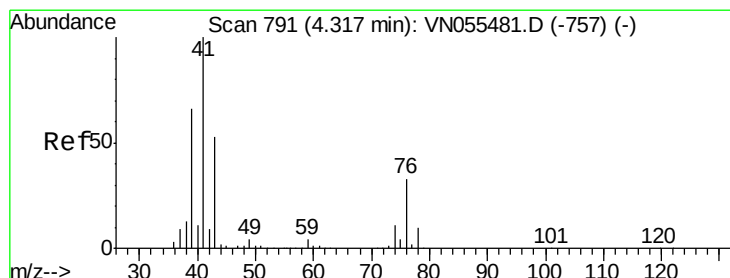
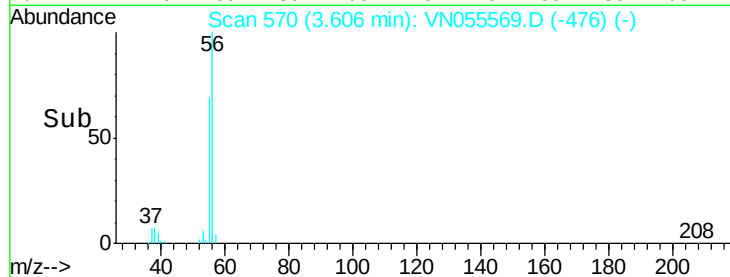
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 18.726 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

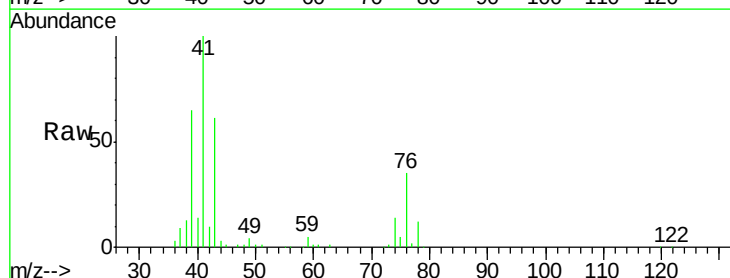
Tgt Ion: 41 Resp: 283562

Ion Ratio Lower Upper

41 100

39 62.5 49.8 74.8

76 30.4 23.5 35.3



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

120000

100000

80000

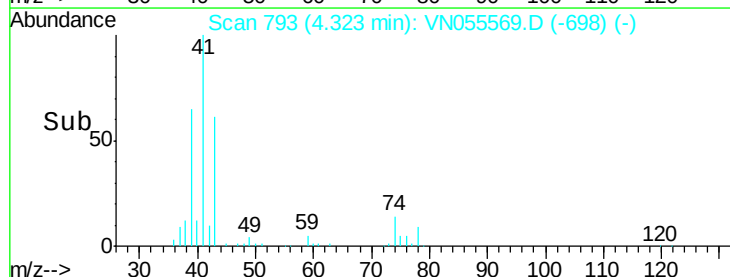
60000

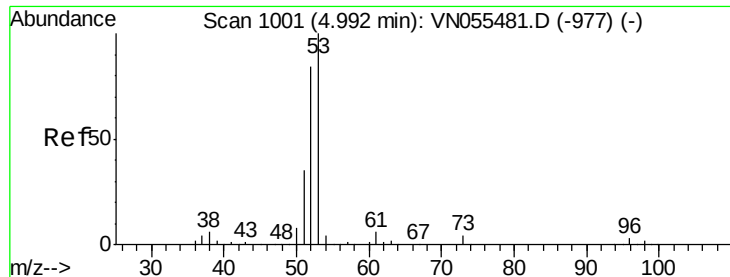
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 89.501 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

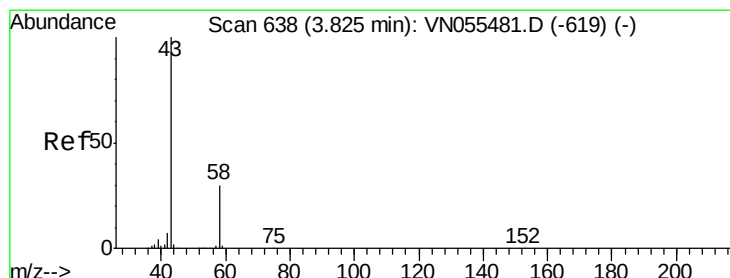
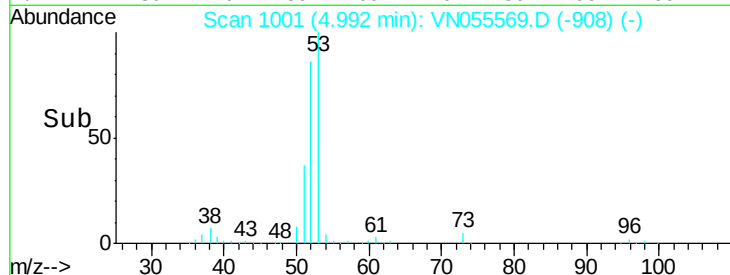
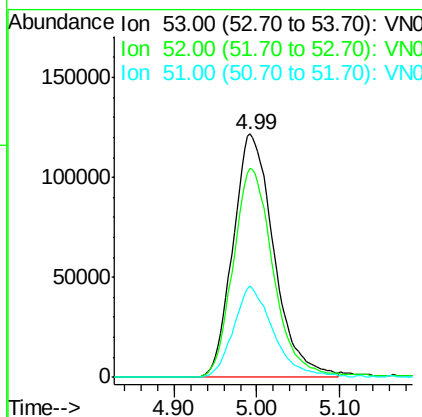
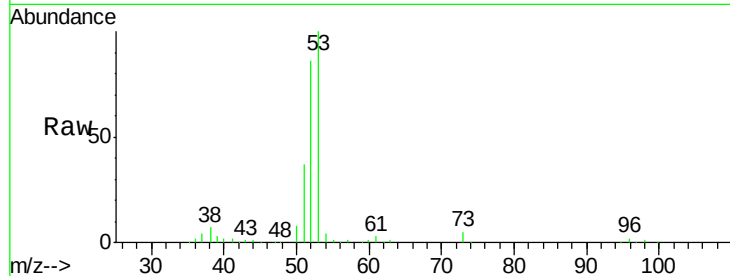
ClientSampleId :

VN0513WBS01

Tot Ion:	53	Resp:	416725
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.1	99.1
51	36.6	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 93.165 ug/l

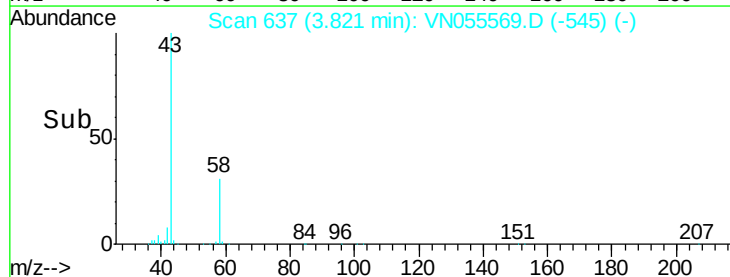
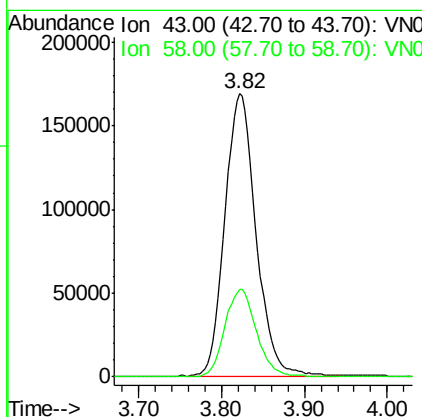
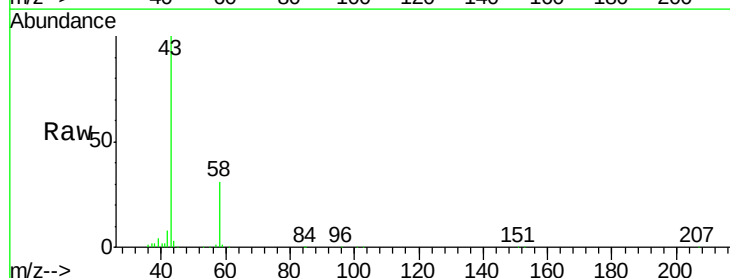
RT: 3.82 min Scan# 637

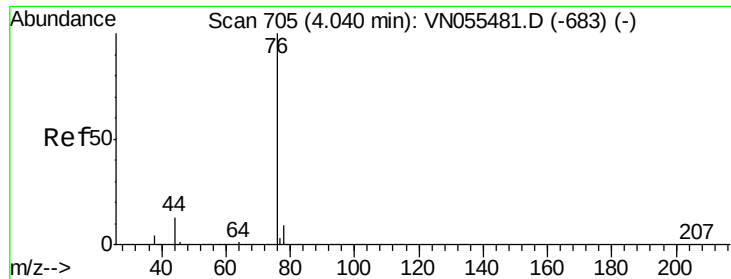
Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Tgt Ion:	43	Resp:	439320
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.2





#17

Carbon Disulfide

Concen: 18.972 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBS01

Tot Ion: 76 Resp: 382788

Ion Ratio Lower Upper

76 100

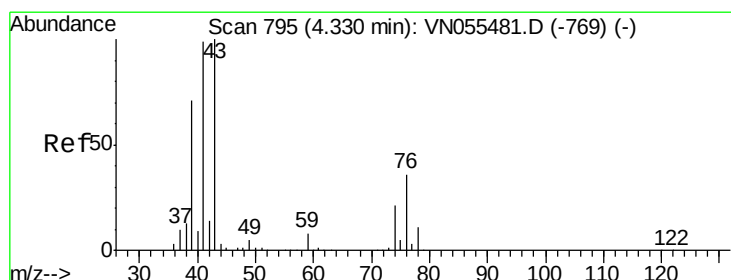
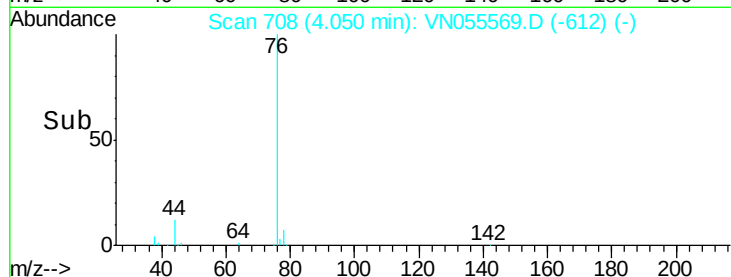
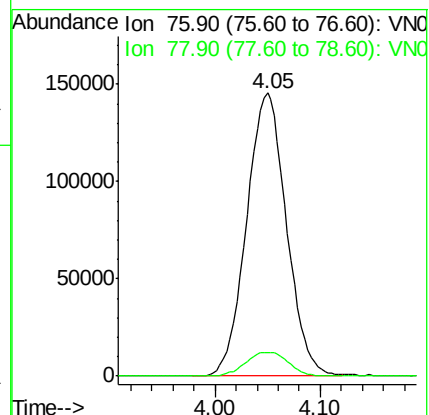
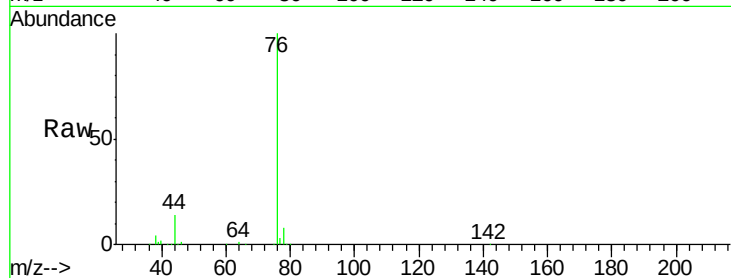
78 8.3 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 17.819 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055569.D

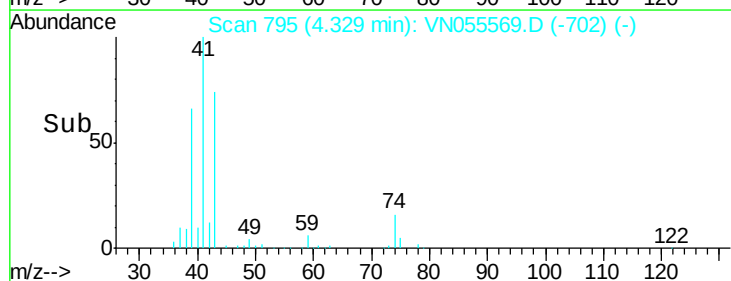
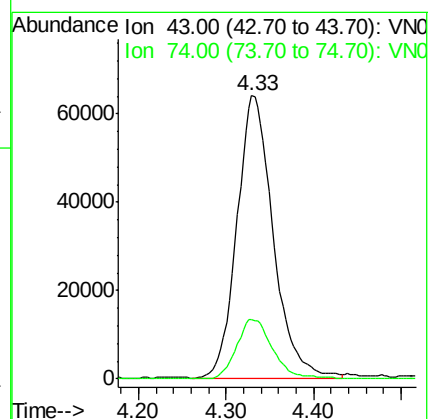
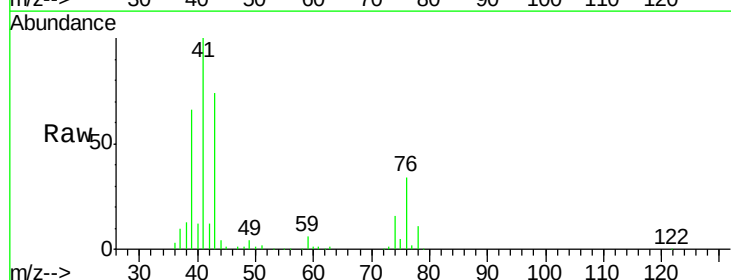
Acq: 13 May 2019 10:51

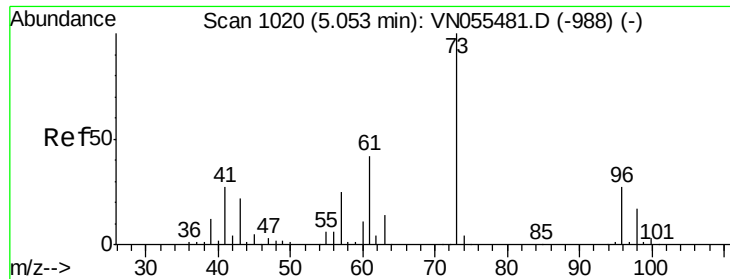
Tgt Ion: 43 Resp: 183373

Ion Ratio Lower Upper

43 100

74 20.6 16.3 24.5





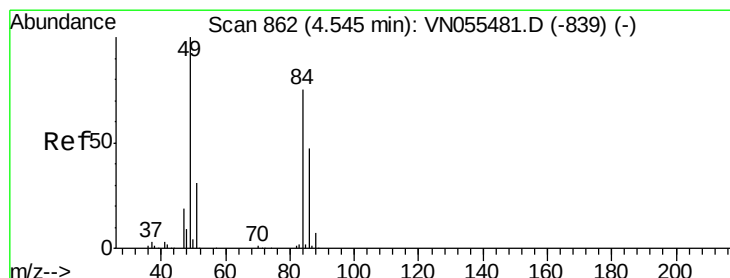
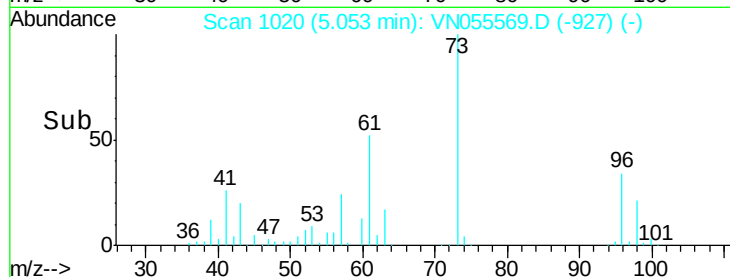
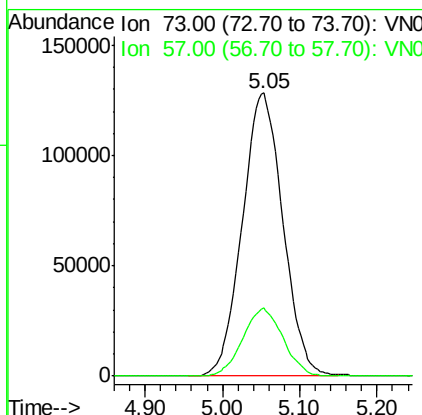
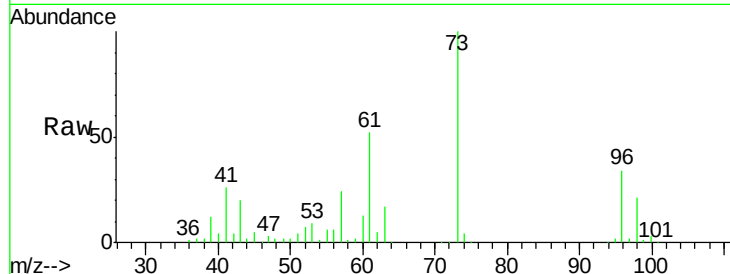
#19
Methvl tert-butvl Ether
Concen: 19.050 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	20.0	30.0

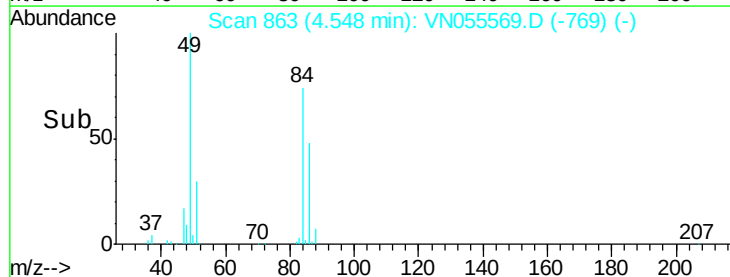
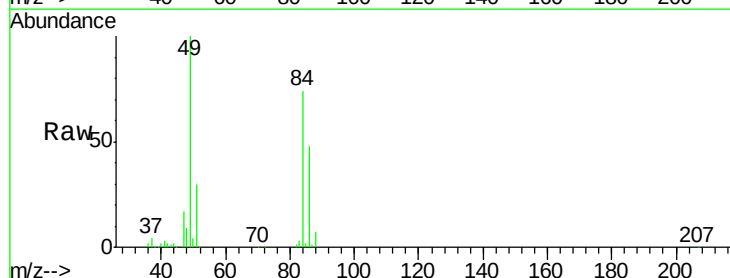
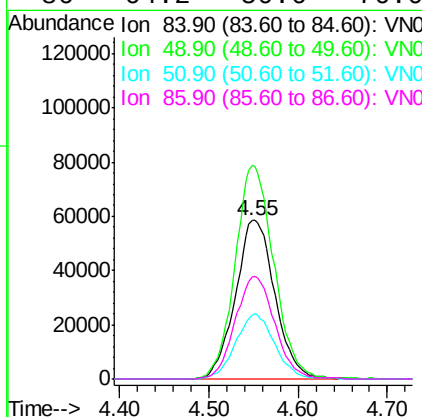
Manual Integrations
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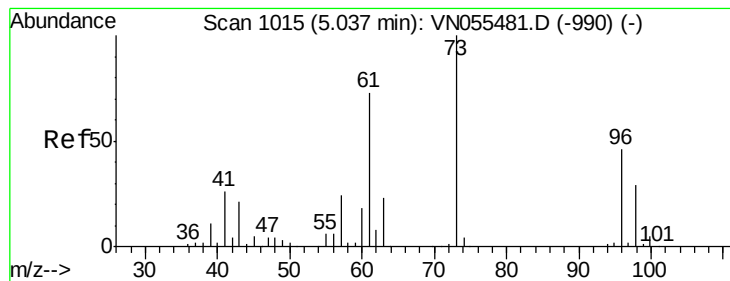
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#20
Methylene Chloride
Concen: 18.602 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.7	107.0	160.6
51	40.1	33.0	49.4
86	64.2	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 19.643 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

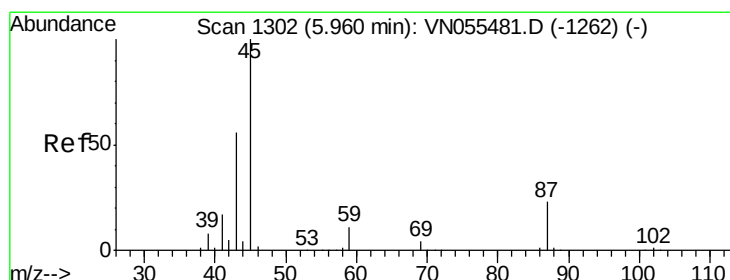
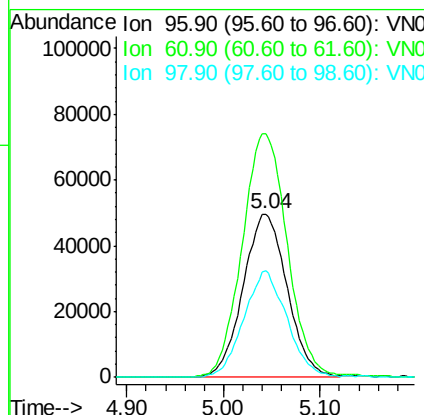
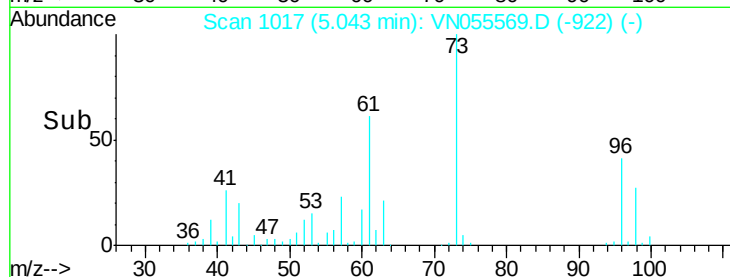
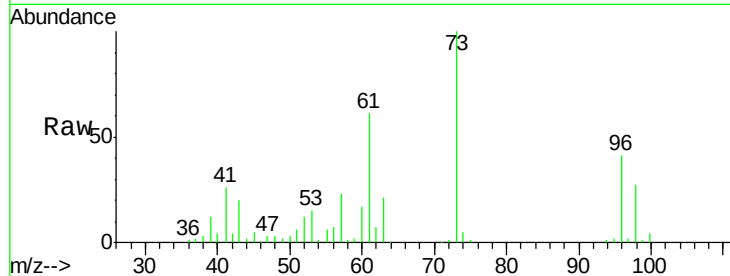
ClientSampled :

VN0513WBS01

Tot Ion:	96	Resp:	157434
Ion	Ratio	Lower	Upper
96	100		
61	149.0	127.4	191.0
98	65.6	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.170 ug/l

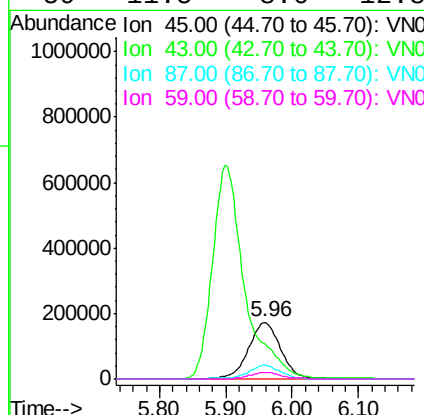
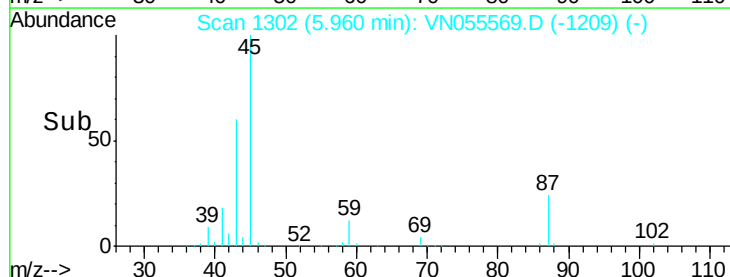
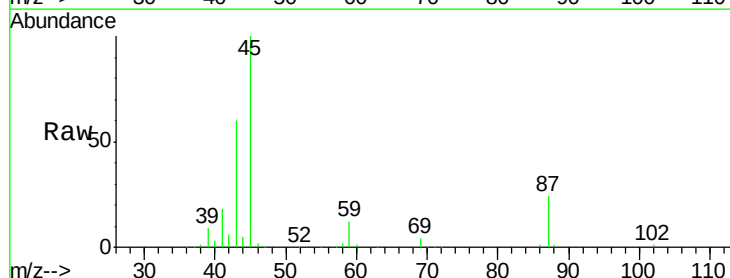
RT: 5.96 min Scan# 1302

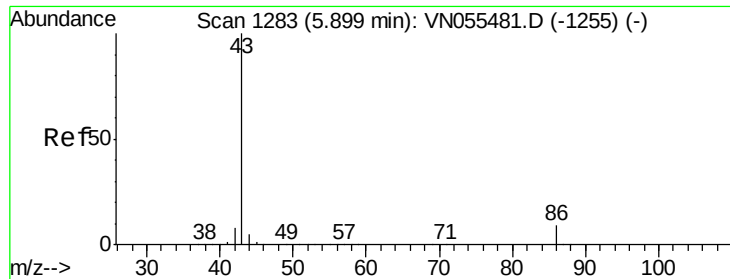
Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Tgt Ion:	45	Resp:	589910
Ion	Ratio	Lower	Upper
45	100		
43	58.4	44.6	66.8
87	24.0	18.6	28.0
59	11.5	8.6	12.8





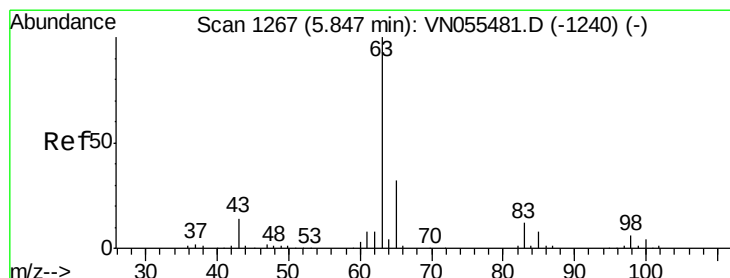
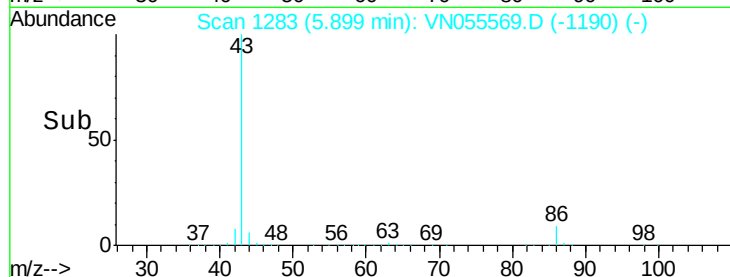
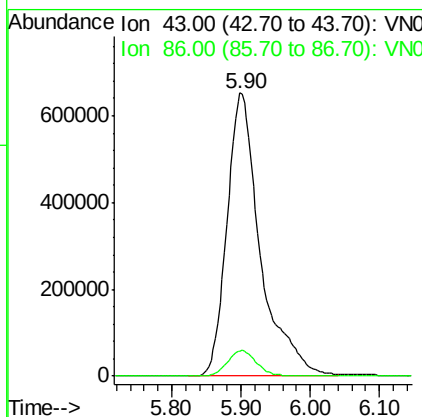
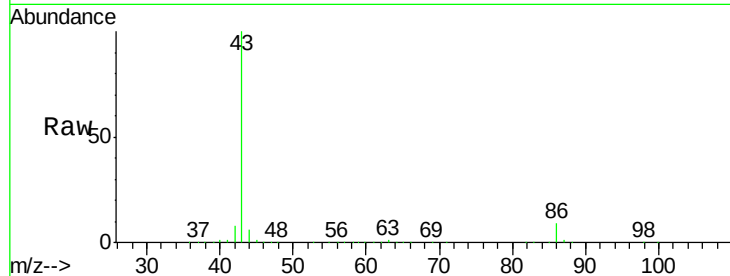
#23
 Vinyl Acetate
 Concen: 92.193 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

Tot Ion: 43 Resp: 2194027
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.1 10.7

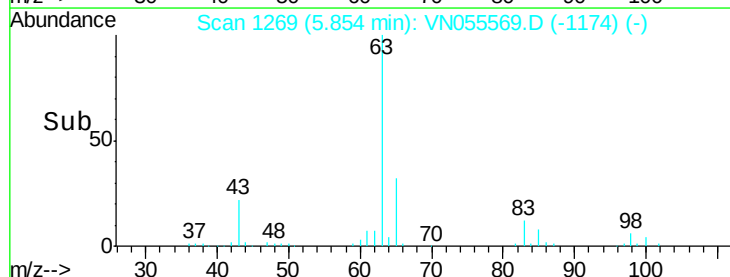
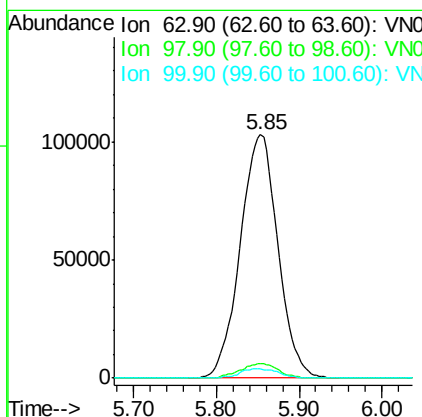
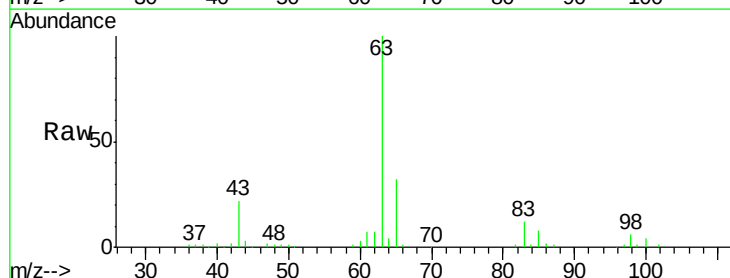
Manual Integrations
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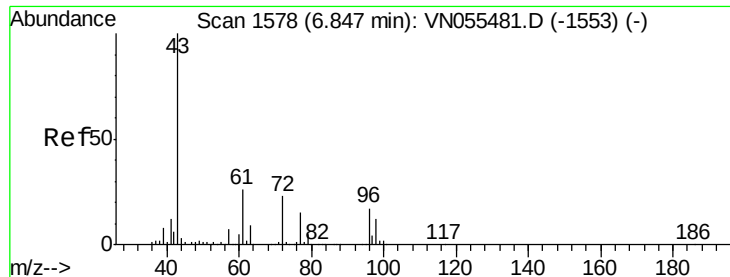
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#24
 1,1-Dichloroethane
 Concen: 19.598 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion: 63 Resp: 325560
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.0
 100 3.6 1.9 5.7





#25

2-Butanone

Concen: 89.105 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBS01

Tot Ion: 43 Resp: 580420

Ion Ratio Lower Upper

43 100

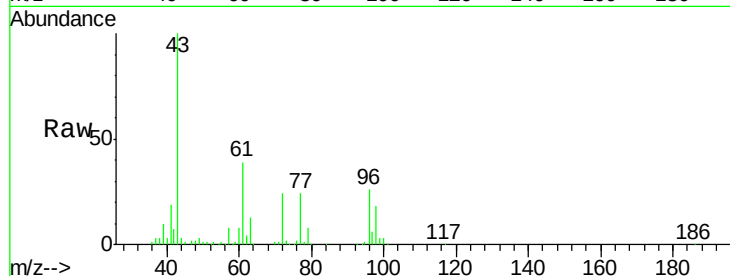
72 23.8 18.6 27.8

Manual Integrations

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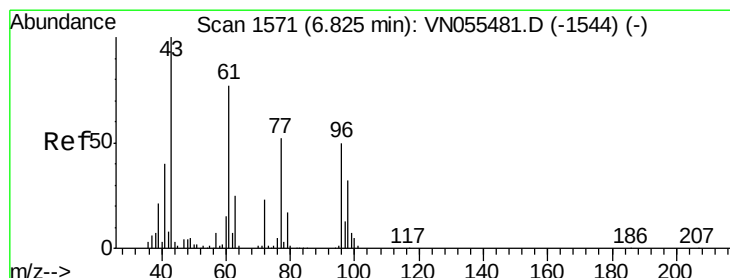
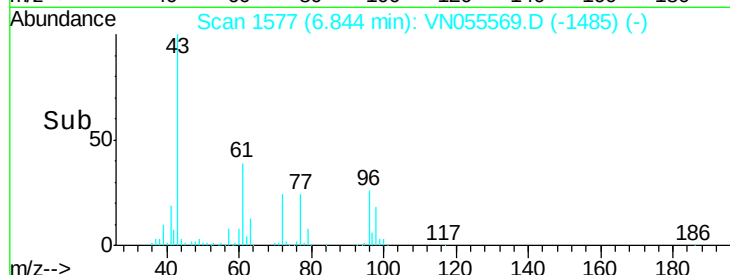
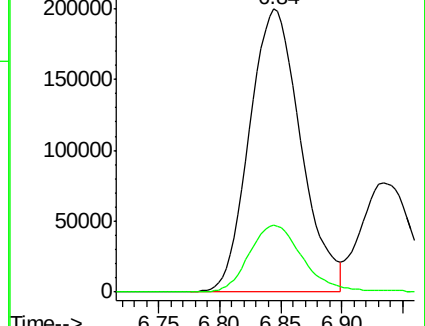
MMDadoda

5/14/2019 9:42:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.429 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055569.D

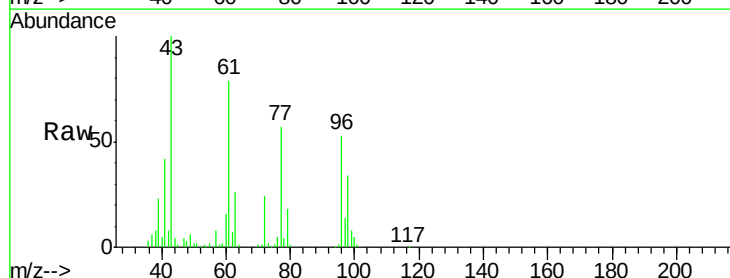
Acq: 13 May 2019 10:51

Tgt Ion: 77 Resp: 211555

Ion Ratio Lower Upper

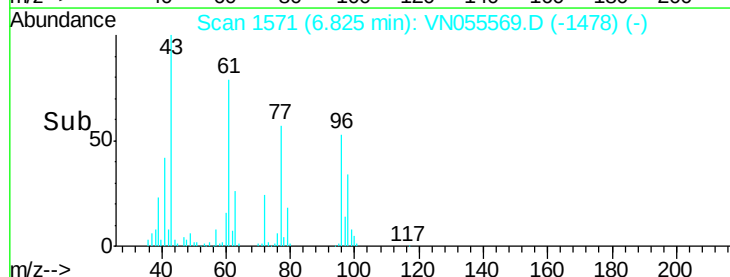
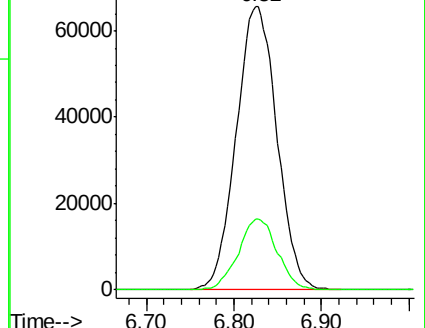
77 100

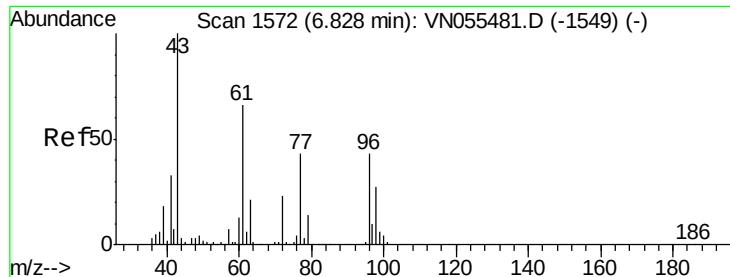
97 24.0 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.104 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

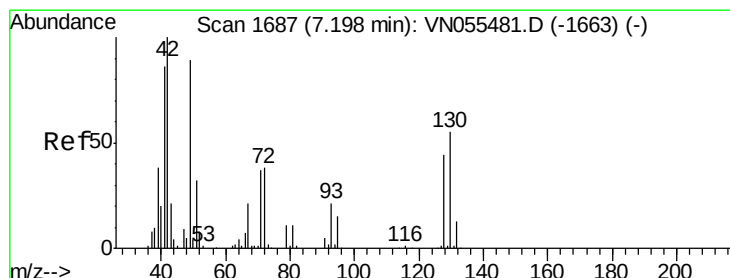
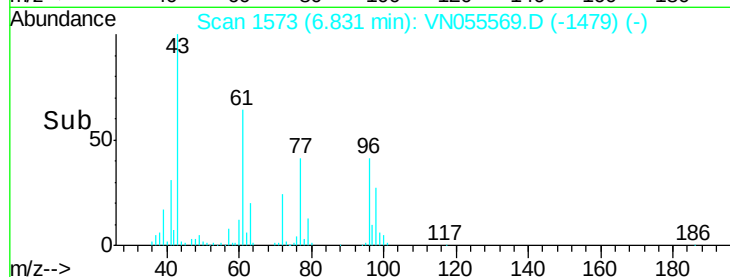
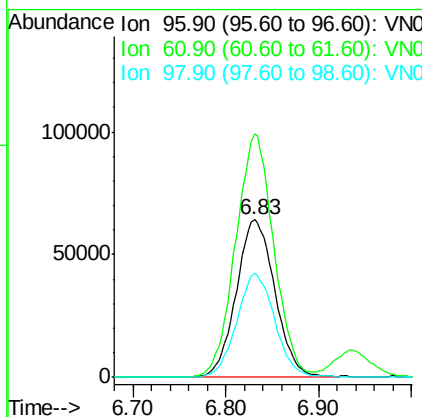
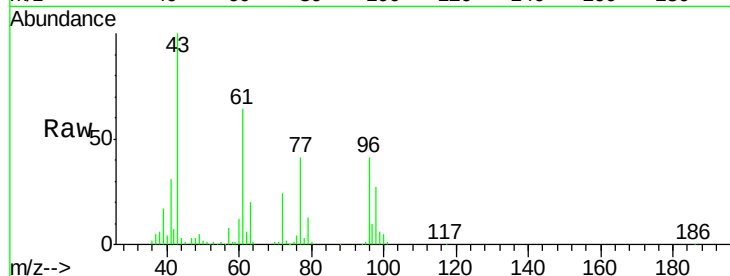
ClientSampleId :

VN0513WBS01

Tot Ion:	96	Resp:	186222
Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	310.8
98	65.0	0.0	129.4

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#28

Bromochloromethane

Concen: 19.252 ug/l

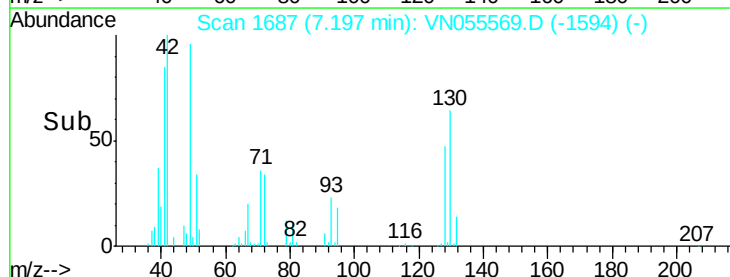
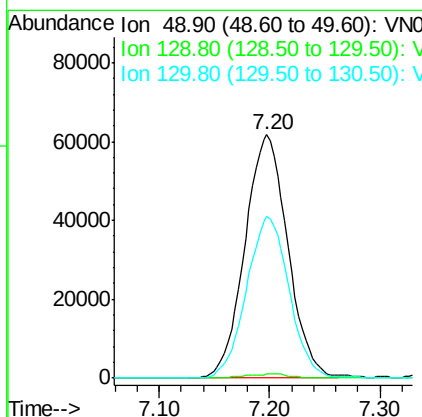
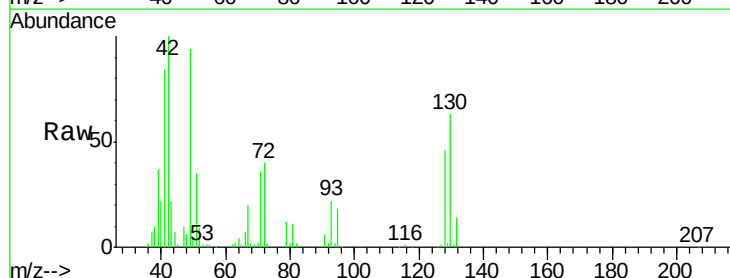
RT: 7.20 min Scan# 1687

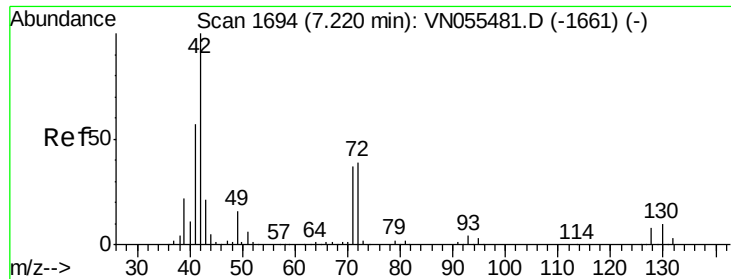
Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Tgt Ion:	49	Resp:	166078
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.2
130	66.3	49.5	74.3





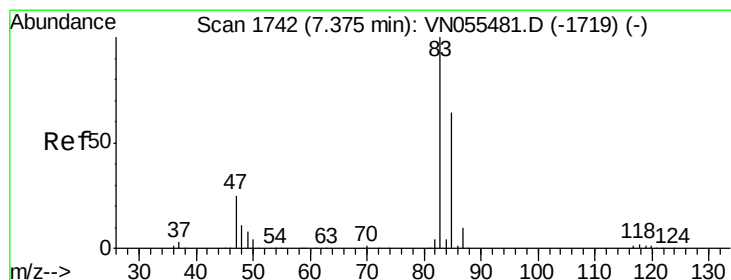
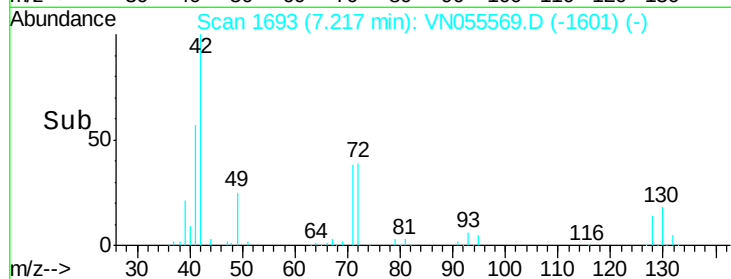
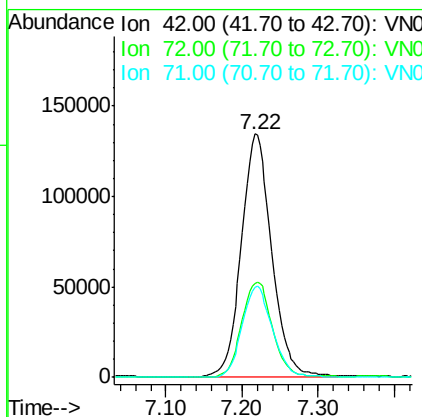
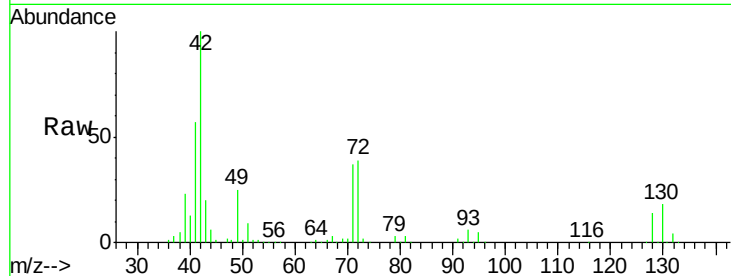
#29
Tetrahydrofuran
Concen: 86.490 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	31.0	46.6
71	37.6	29.4	44.2

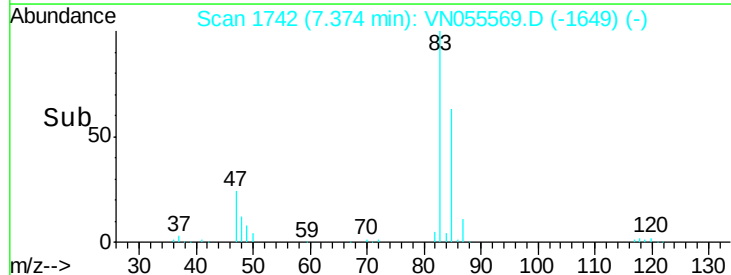
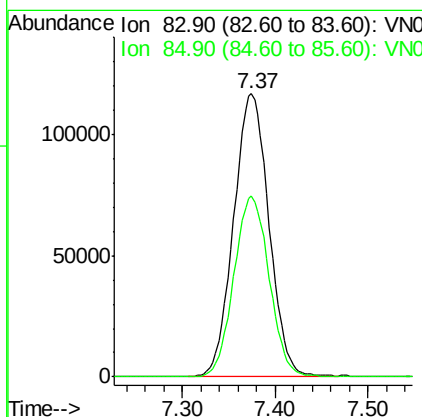
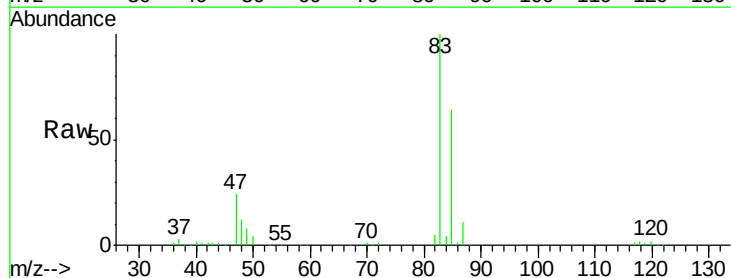
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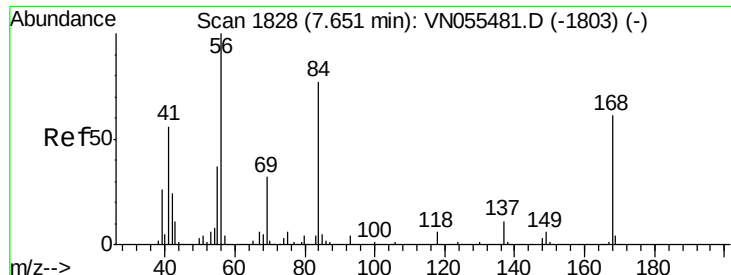
MMDadoda
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#30
Chloroform
Concen: 20.116 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.3	76.9





#31

Cyclohexane

Concen: 18.479 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

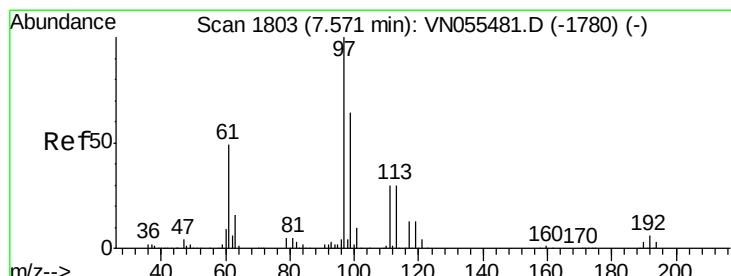
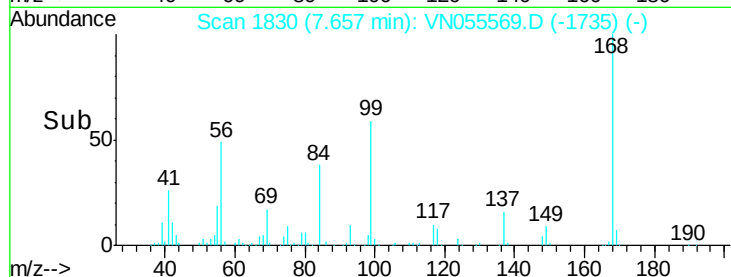
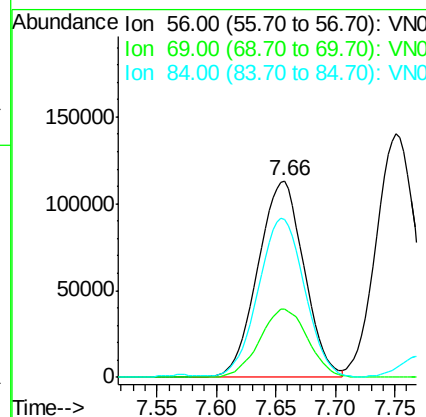
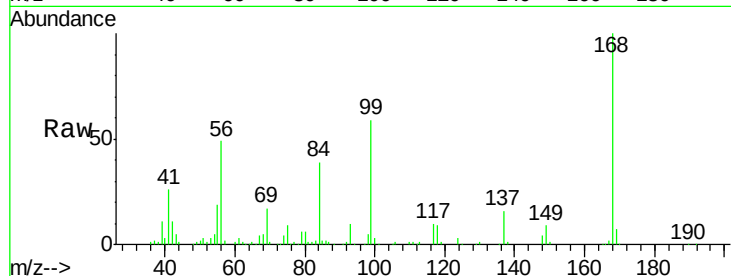
ClientSampleId :

VN0513WBS01

Tot Ion	56	Resp	303708
Ion Ratio	Lower	Upper	
56	100		
69	34.6	26.0	39.0
84	79.5	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.393 ug/l

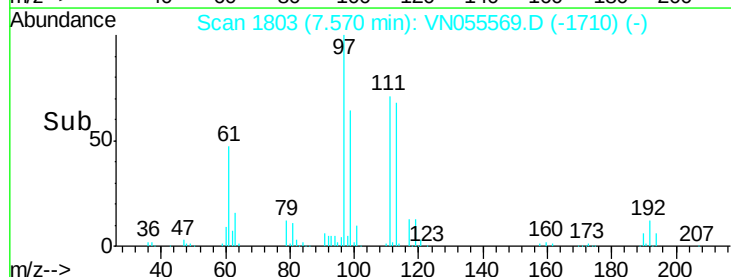
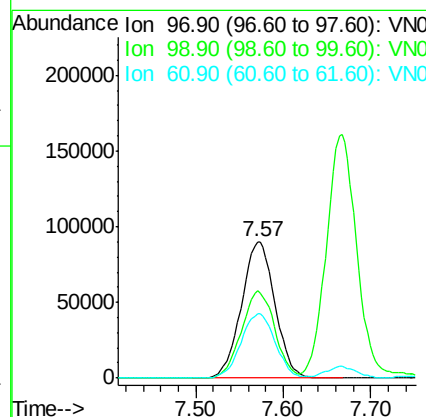
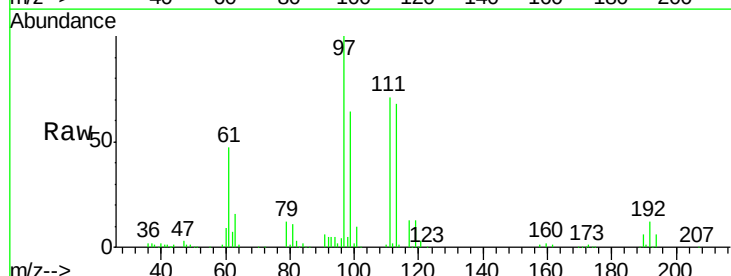
RT: 7.57 min Scan# 1803

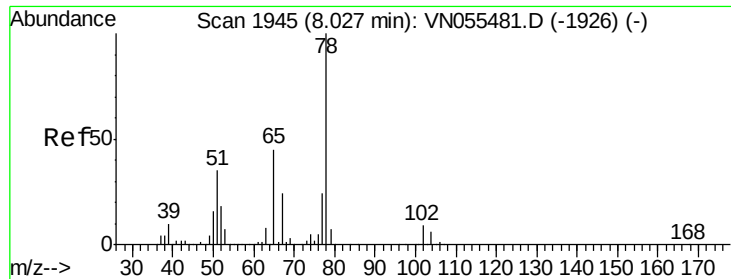
Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Tgt Ion	97	Resp	238480
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.2	76.8
61	48.3	39.2	58.8





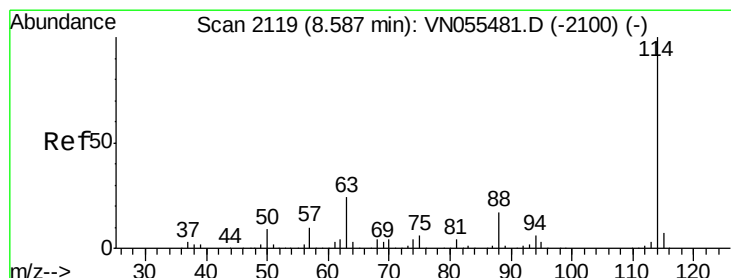
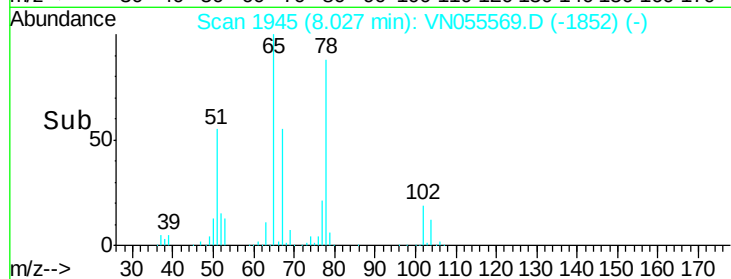
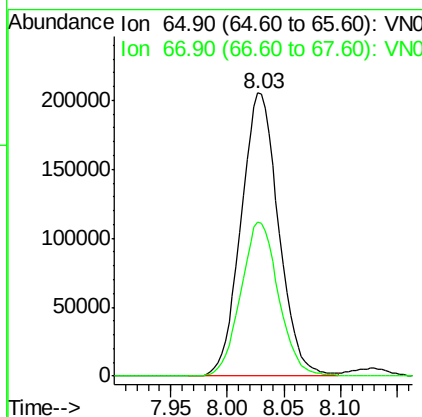
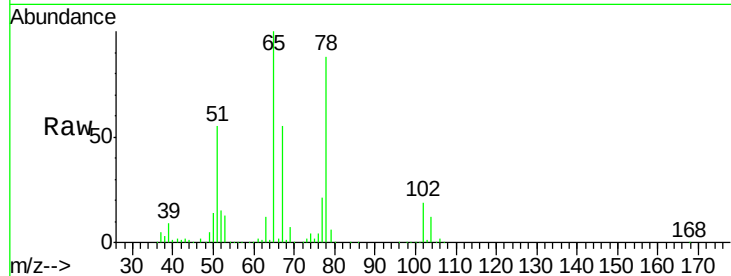
#33
 1,2-Dichloroethane-d4
 Concen: 46.728 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	475873		
67	54.5	0.0	109.6	

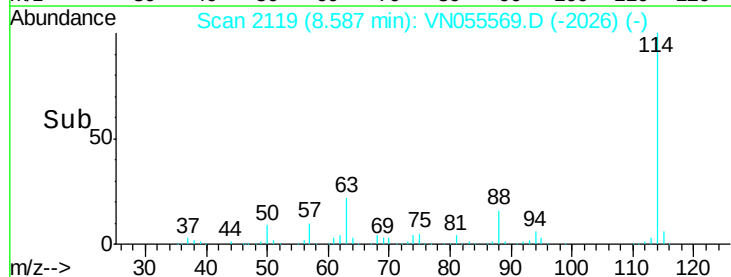
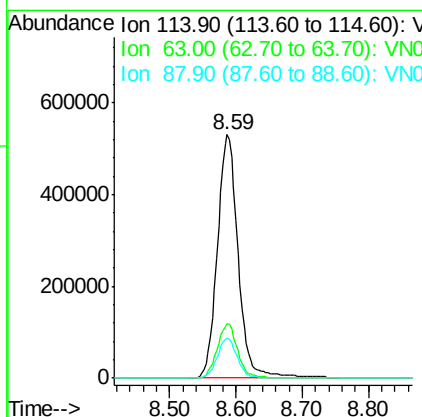
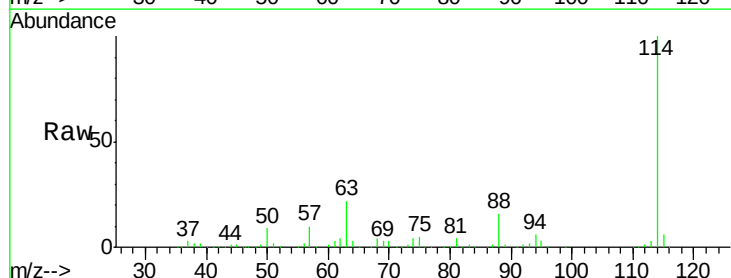
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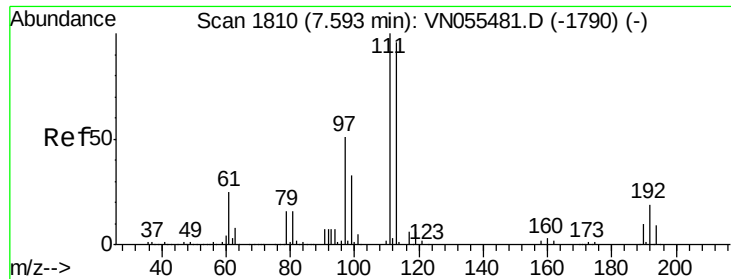
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1155557		
63	22.5	0.0	47.4	
88	16.4	0.0	34.0	





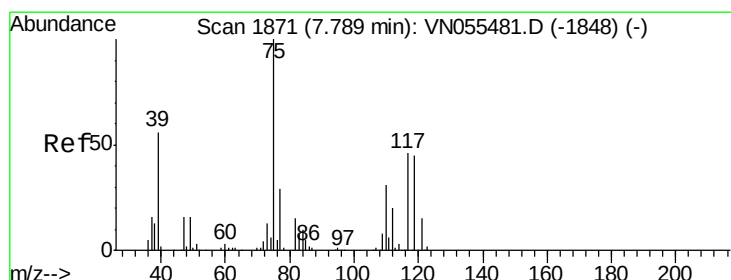
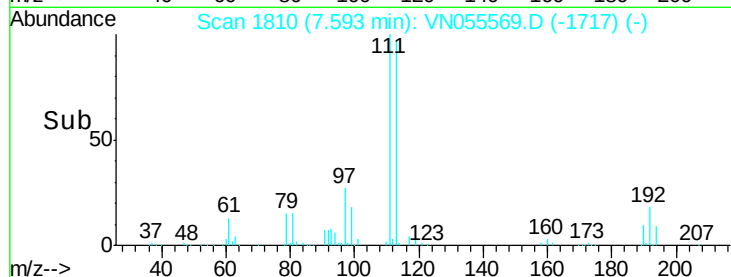
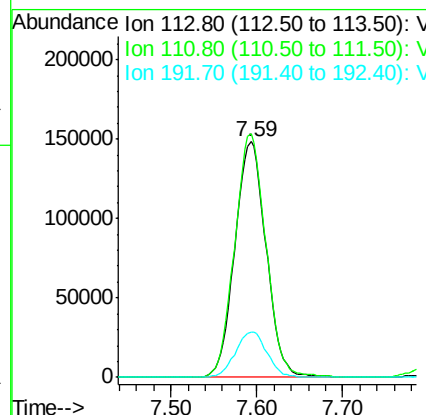
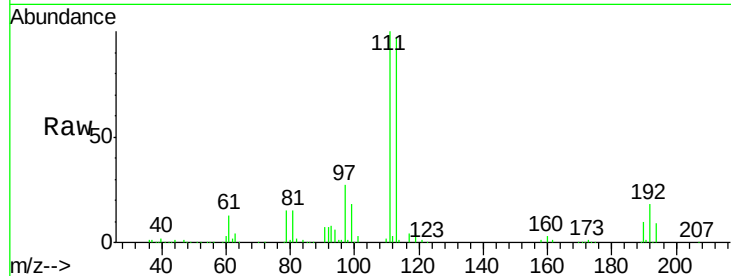
#35
 Dibromofluoromethane
 Concen: 50.296 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	374917		
111	103.0	82.9	124.3	
192	19.5	15.6	23.4	

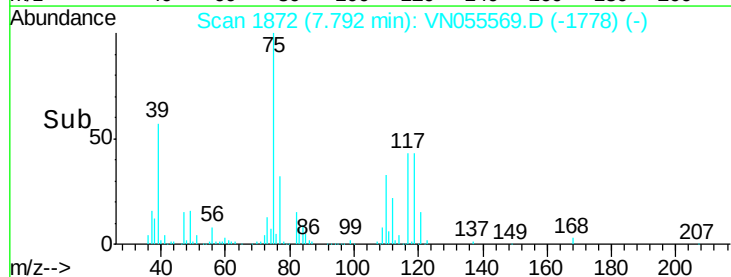
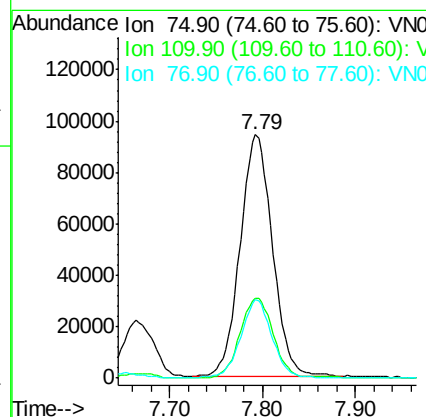
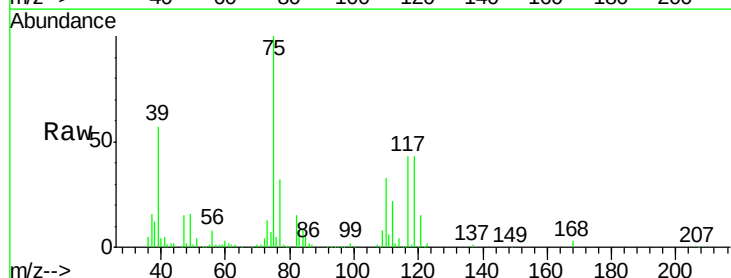
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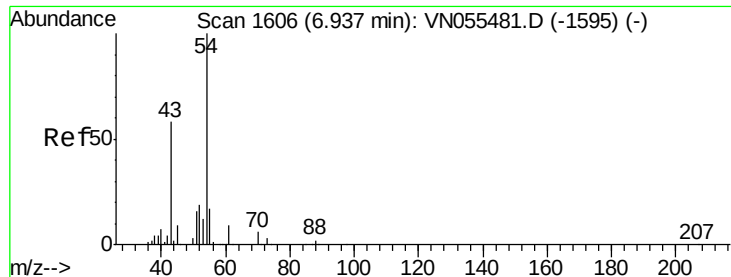
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#36
 1,1-Dichloropropene
 Concen: 20.055 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	228312		
110	33.8	16.1	48.3	
77	31.4	24.6	37.0	





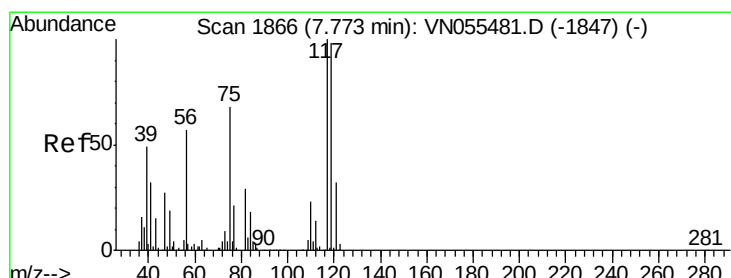
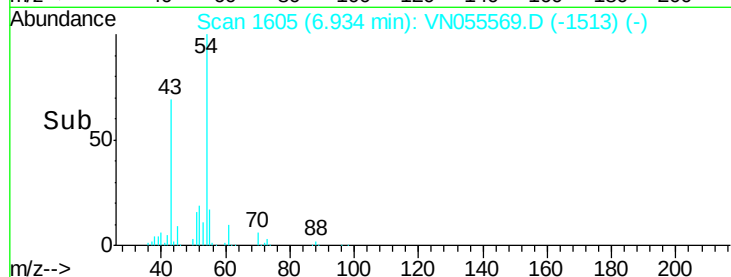
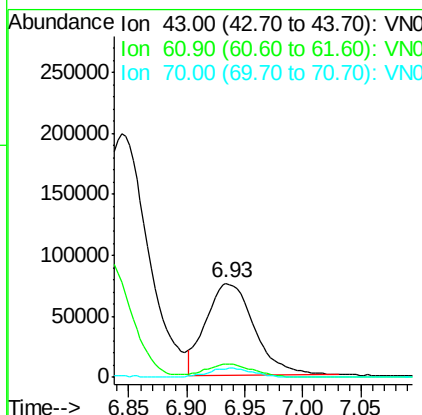
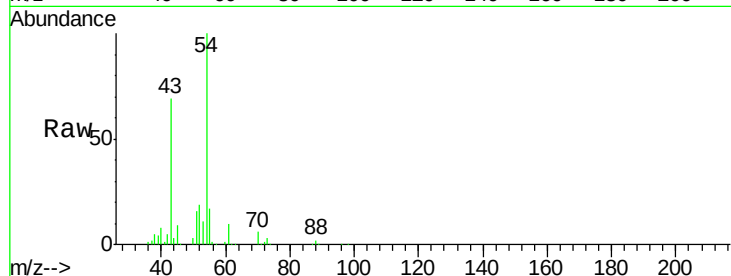
#37
Ethyl Acetate
Concen: 17.767 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	220633		
61	13.8		10.9	16.3
70	8.5		7.0	10.6

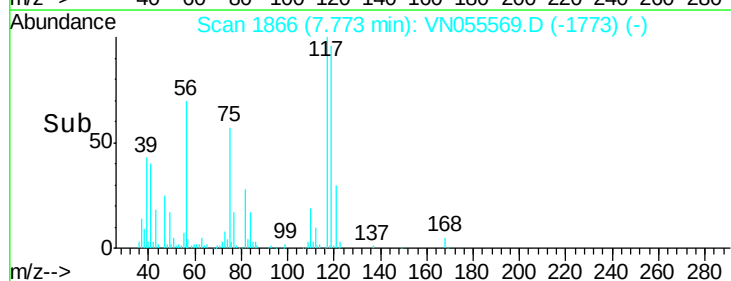
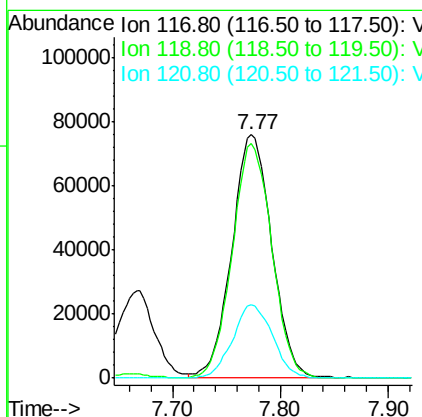
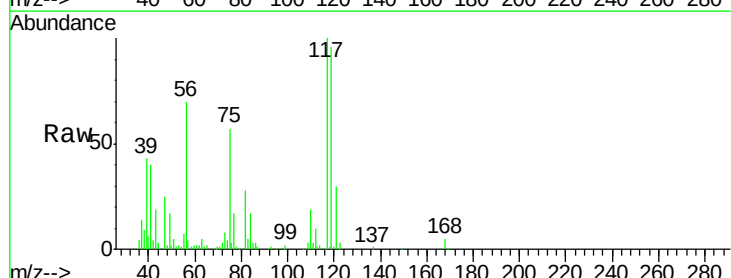
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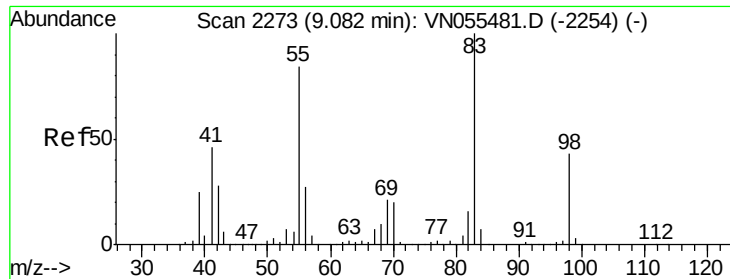
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#38
Carbon Tetrachloride
Concen: 20.355 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	195127		
119	96.4		77.8	116.6
121	30.2		25.2	37.8





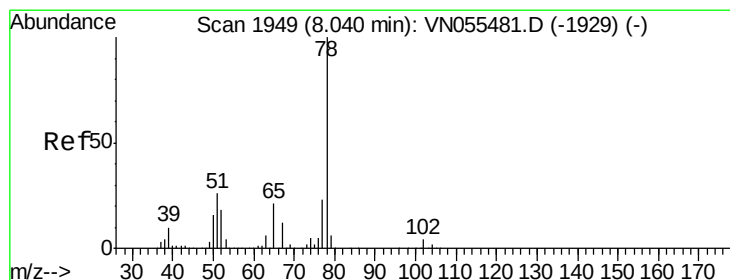
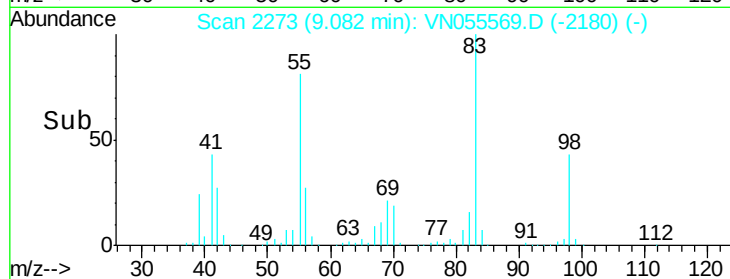
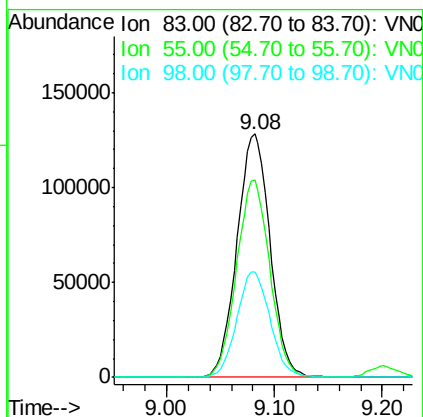
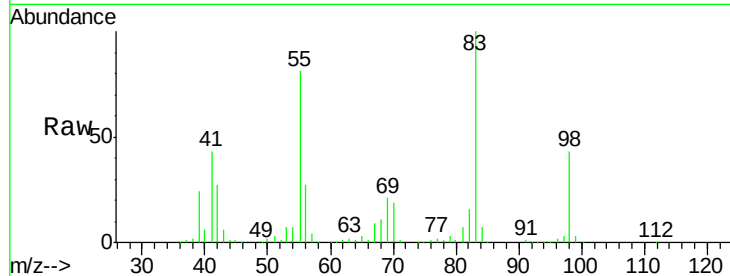
#39
Methylvlcyclohexane
Concen: 19.790 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.1	67.0	100.4	
98	43.2	34.2	51.4	

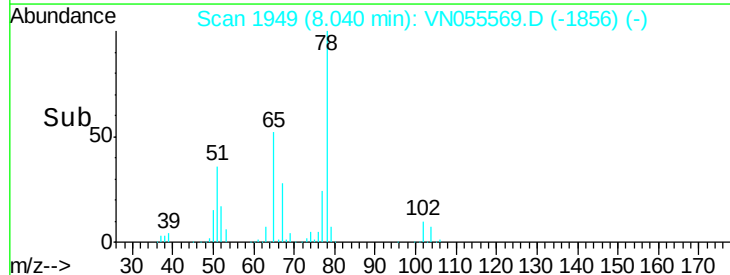
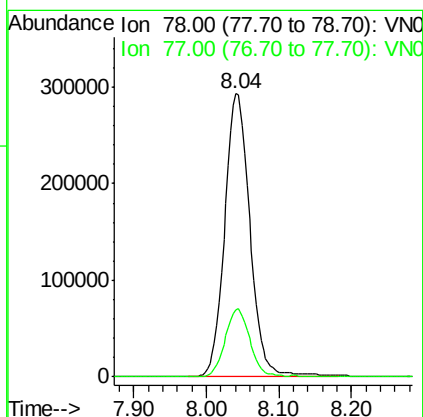
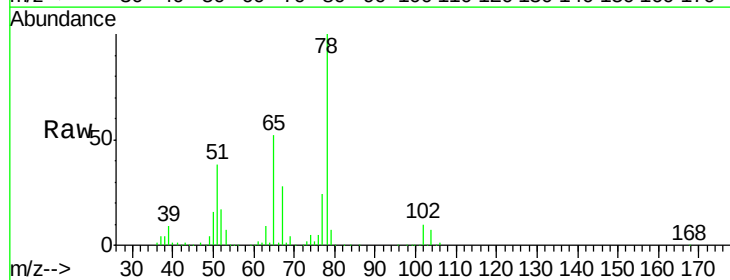
Manual Integrations
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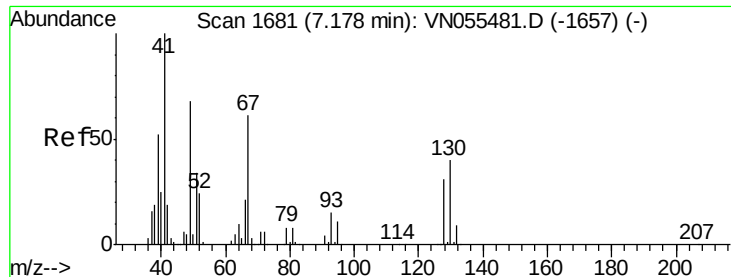
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#40
Benzene
Concen: 20.182 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	18.6	27.8	





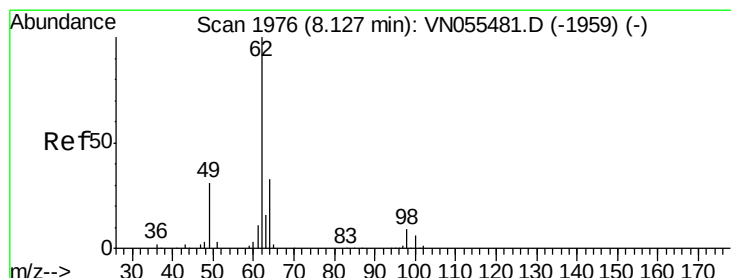
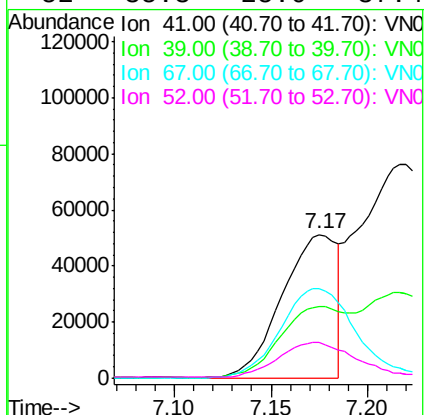
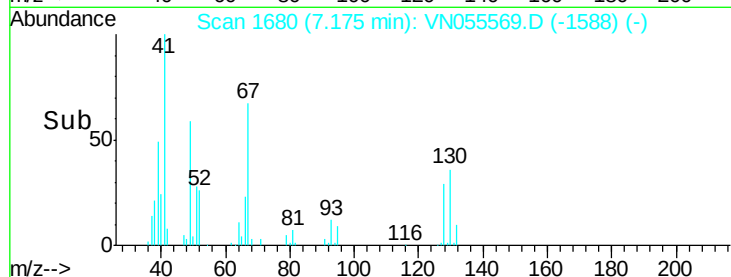
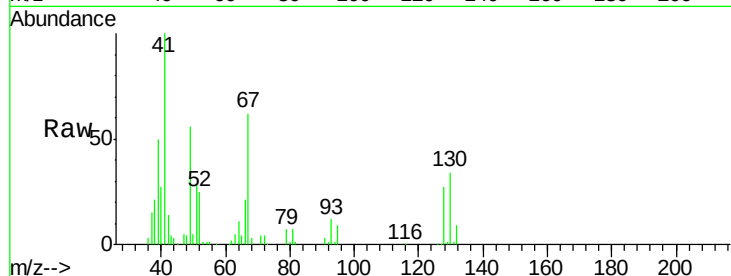
#41
Methacrylonitrile
Concen: 17.516 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		100960		
39	55.9	44.7	67.1		
67	87.0	61.4	92.0		
52	35.3	25.0	37.4		

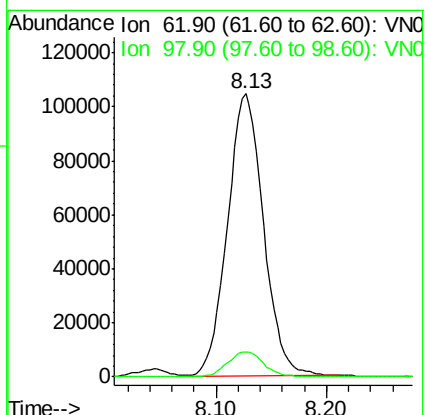
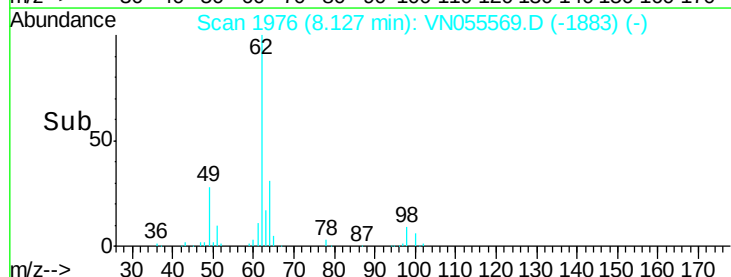
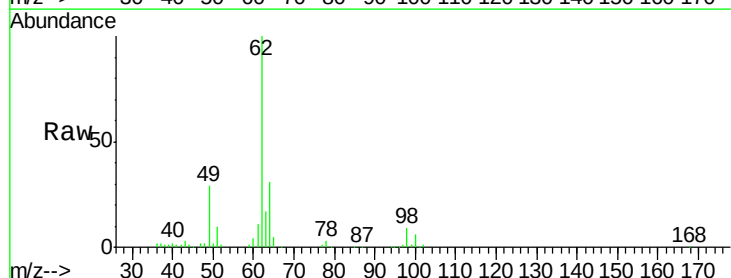
Manual Integrations
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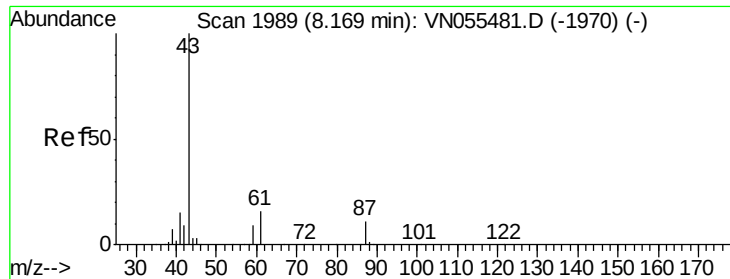
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.055 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		236532		
98	8.9	0.0	17.4		





#43

Isopropyl Acetate

Concen: 18.280 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

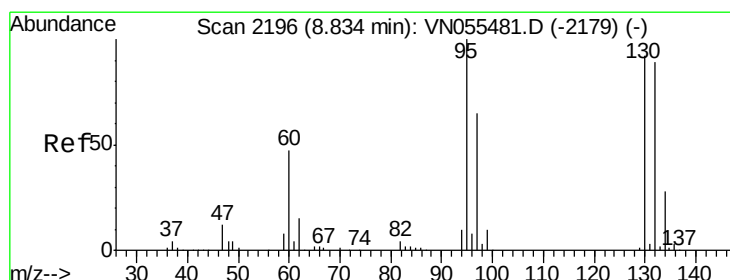
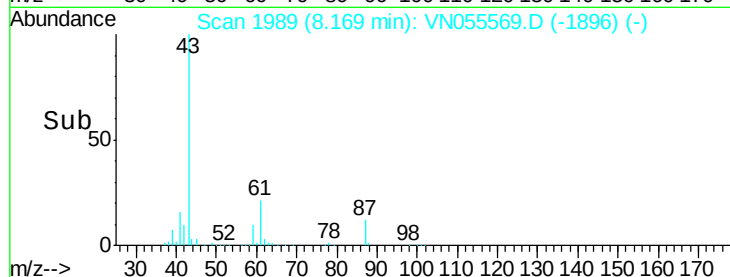
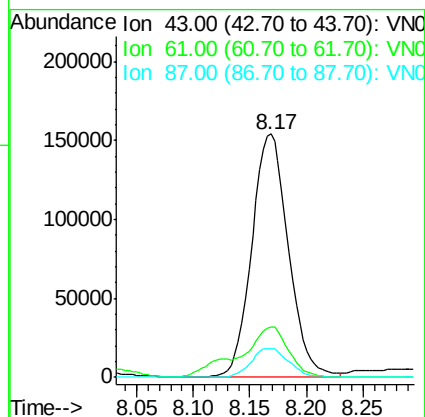
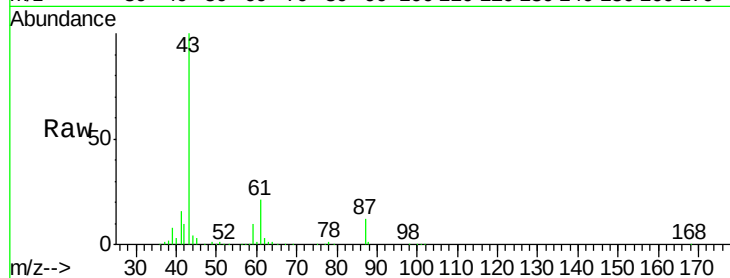
ClientSampleId :

VN0513WBS01

Tot Ion:	43	Resp:	344871
Ion	Ratio	Lower	Upper
43	100		
61	21.2	15.1	22.7
87	12.2	9.0	13.6

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#44

Trichloroethene

Concen: 20.963 ug/l

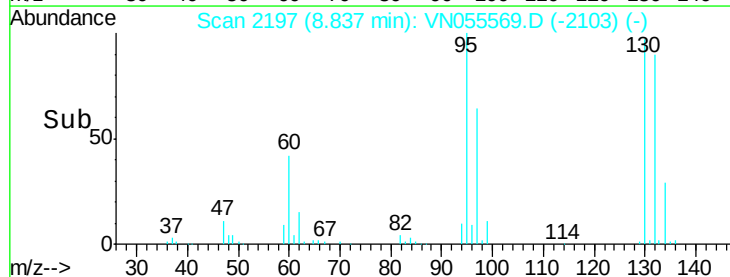
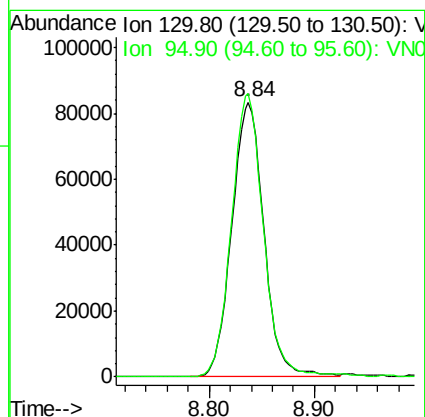
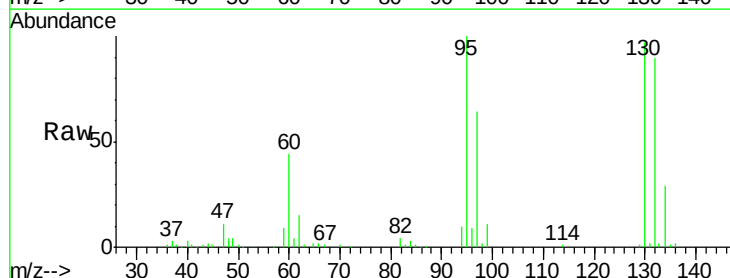
RT: 8.84 min Scan# 2197

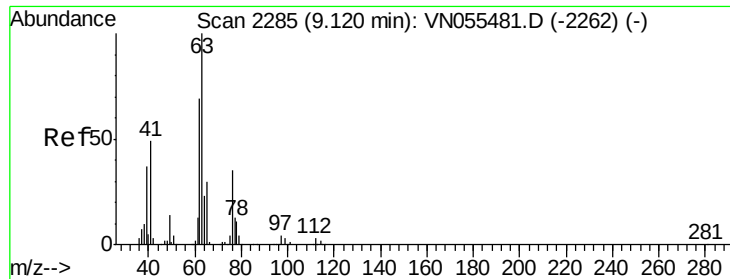
Delta R.T. 0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Tgt Ion:	130	Resp:	176233
Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	216.8





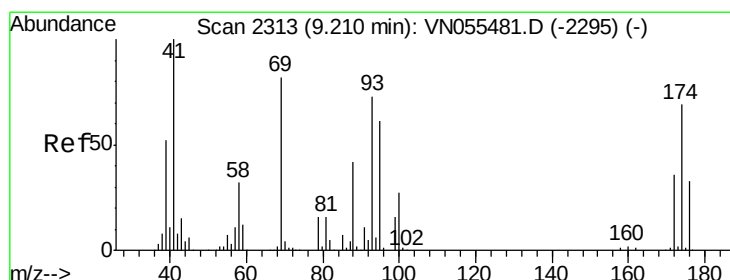
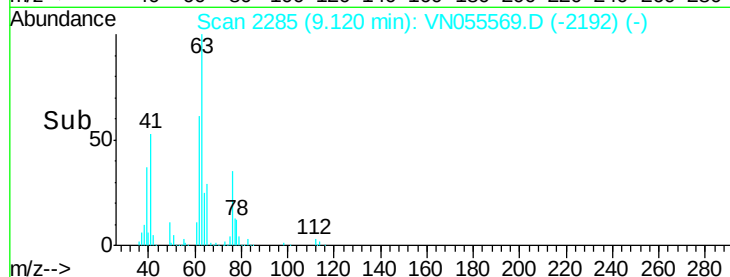
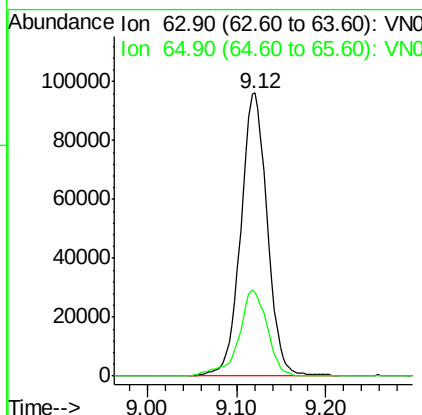
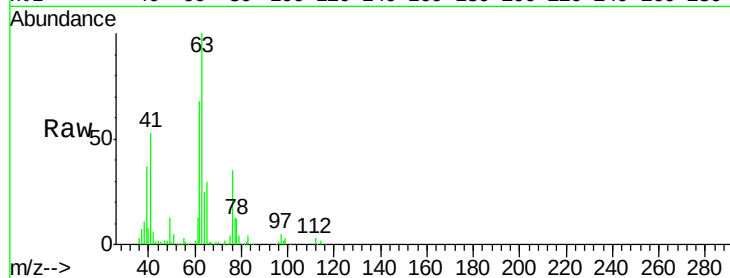
#45
 1,2-Dichloropropane
 Concen: 19.674 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.1	36.1

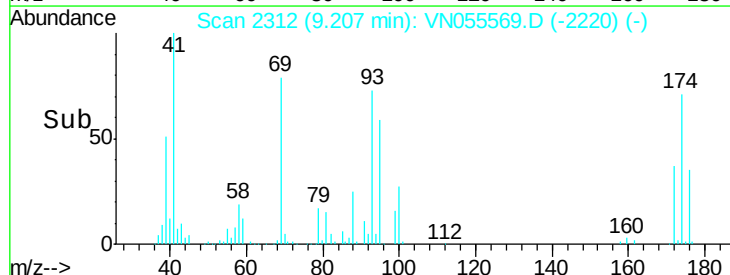
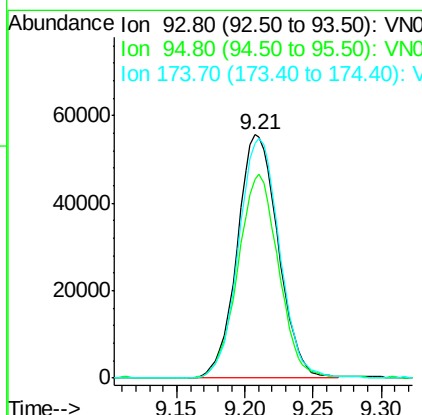
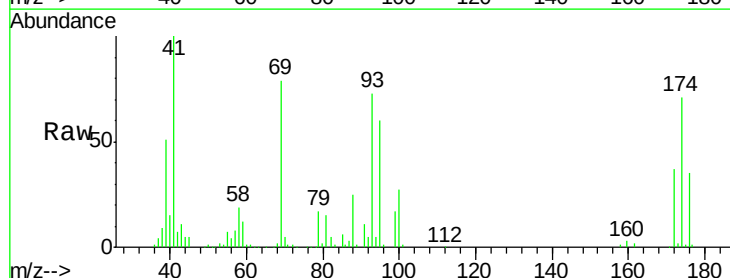
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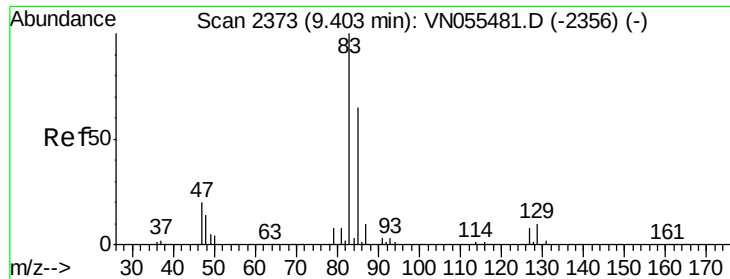
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#46
 Dibromomethane
 Concen: 19.830 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	64.8	97.2
174	98.4	75.0	112.6





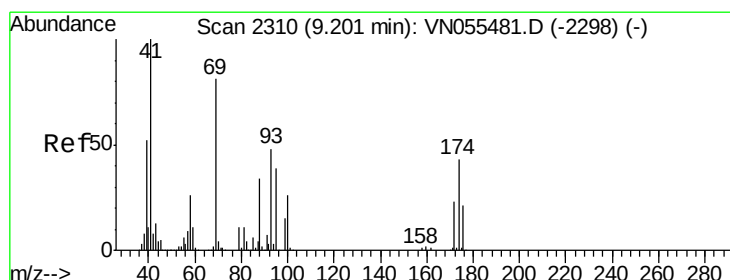
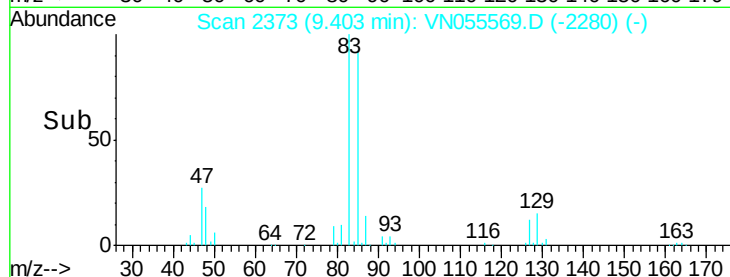
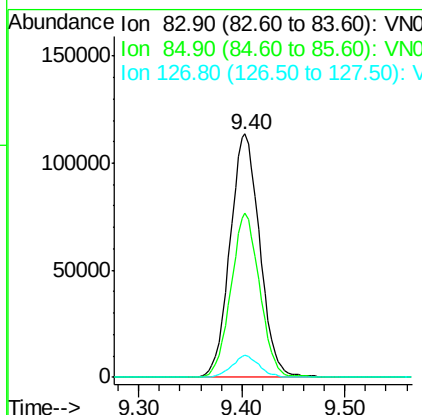
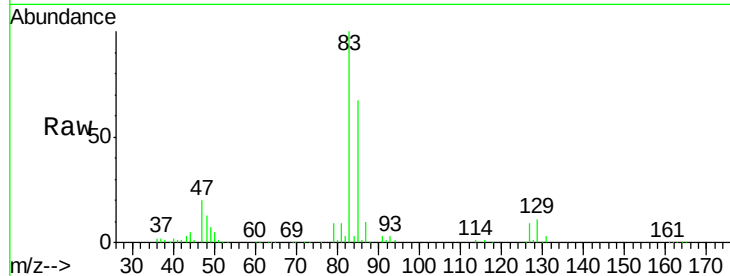
#47
Bromodichloromethane
Concen: 20.361 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

Tot Ion	83	Resp	228248
Ion Ratio	100	Lower	Upper
83	100		
85	67.3	52.2	78.2
127	9.0	6.5	9.7

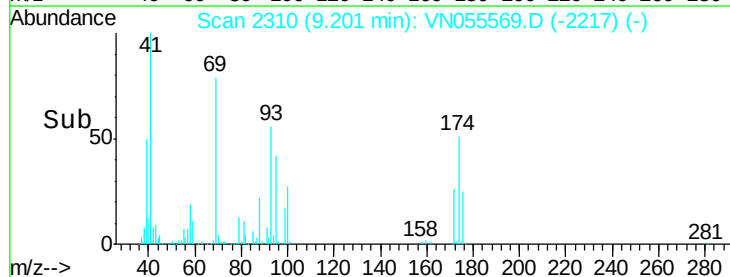
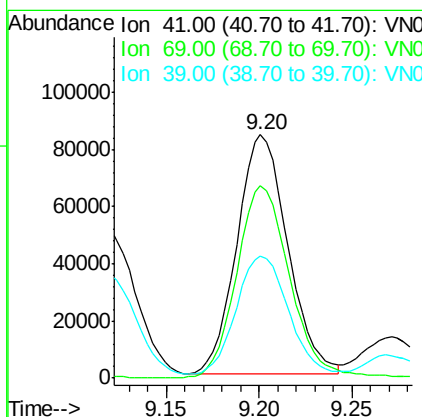
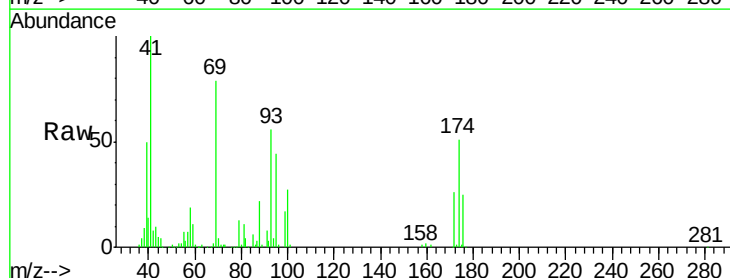
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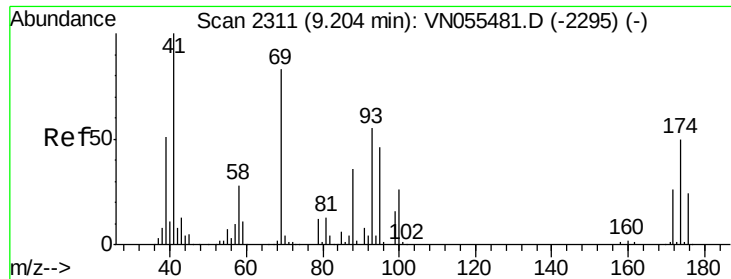
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#48
Methyl methacrylate
Concen: 17.622 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion	41	Resp	160185
Ion Ratio	100	Lower	Upper
41	100		
69	84.0	64.2	96.2
39	53.2	41.6	62.4





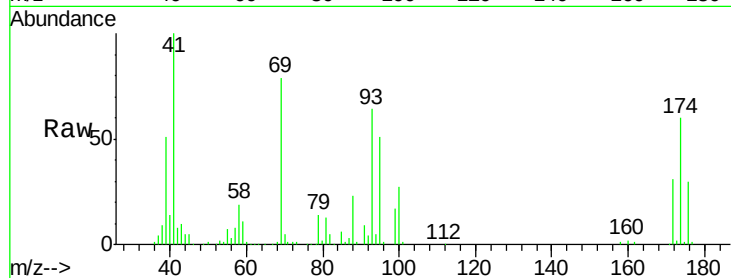
#49
1,4-Dioxane
Concen: 253.716 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

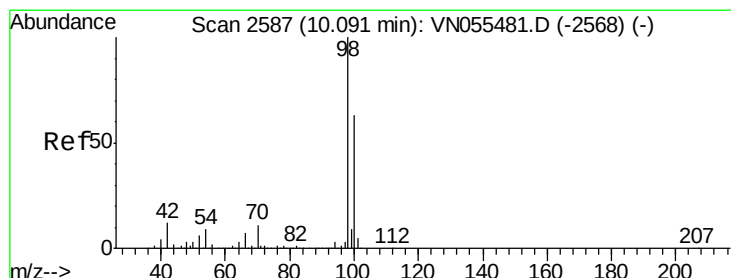
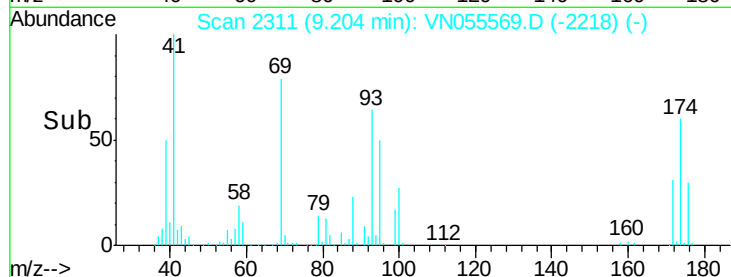
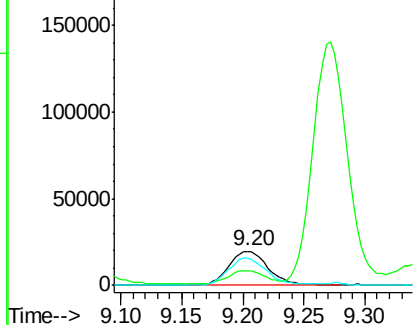
Tot Ion	88	Resp	44950
Ion	Ratio	Lower	Upper
88	100		
43	36.6	27.8	41.8
58	75.9	61.8	92.6

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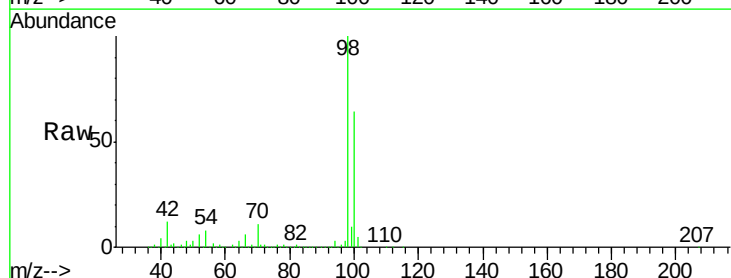


Abundance Ion 88.00 (87.70 to 88.70): VN055569.D (-2218) (-)
Ion 43.00 (42.70 to 43.70): VN055569.D (-2218) (-)
Ion 58.00 (57.70 to 58.70): VN055569.D (-2218) (-)

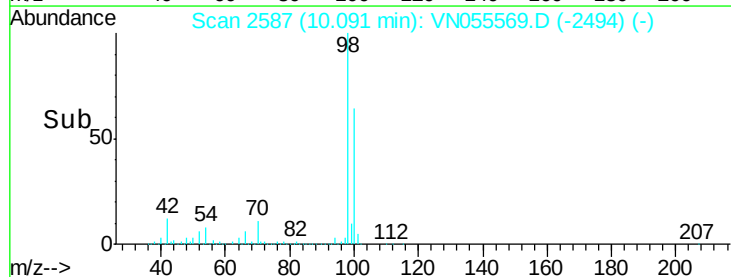
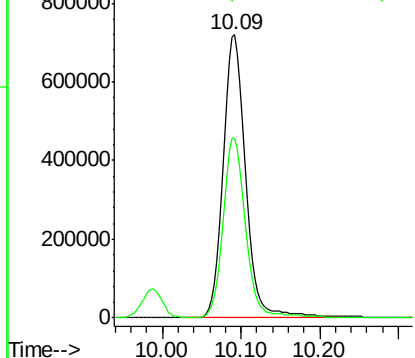


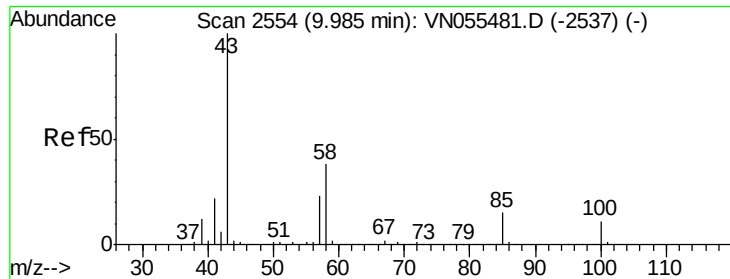
#50
Toluene-d8
Concen: 48.980 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion	98	Resp	1422786
Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.4	75.6



Abundance Ion 98.00 (97.70 to 98.70): VN055569.D (-2494) (-)
Ion 100.00 (99.70 to 100.70): VN055569.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 88.268 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBS01

Tot Ion: 43 Resp: 1095244

Ion Ratio Lower Upper

43 100

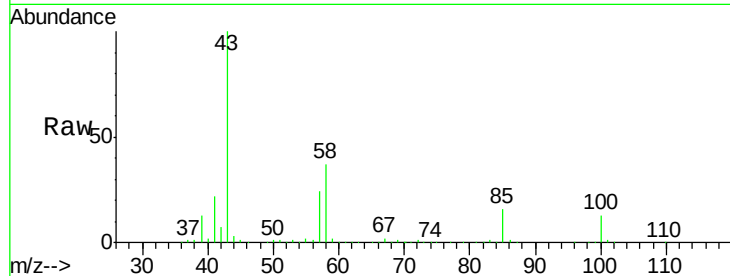
58 37.2 29.9 44.9

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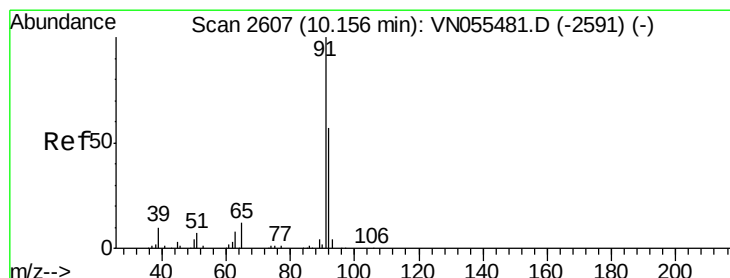
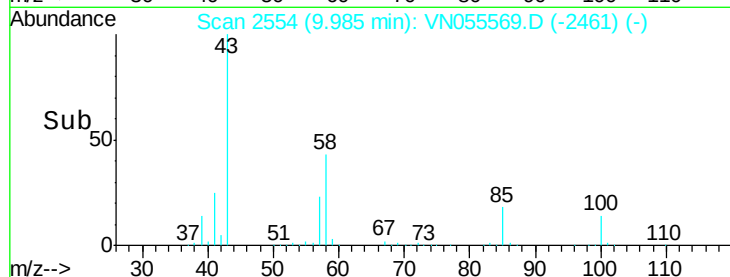
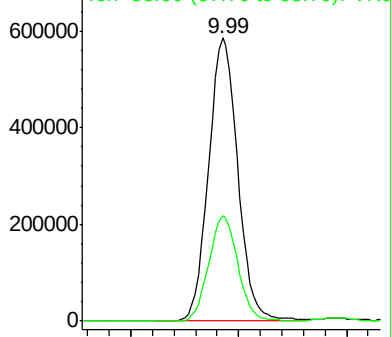
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.244 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055569.D

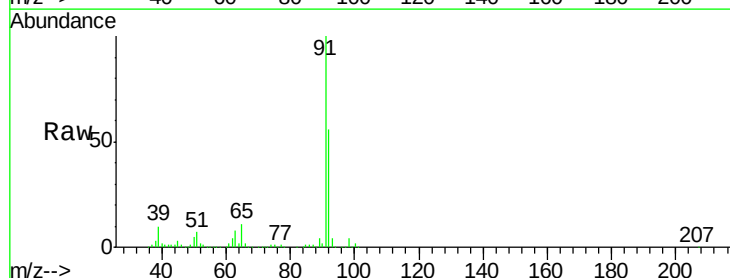
Acq: 13 May 2019 10:51

Tgt Ion: 92 Resp: 408914

Ion Ratio Lower Upper

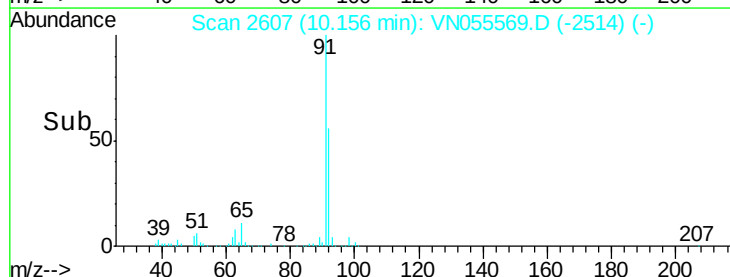
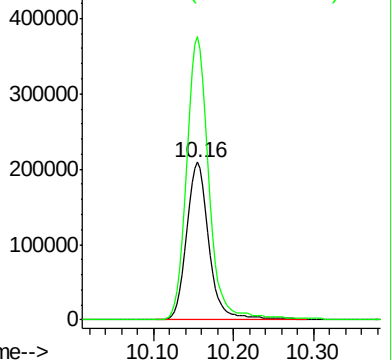
92 100

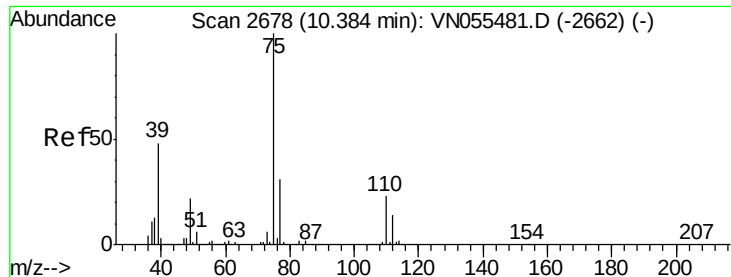
91 177.7 140.5 210.7



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: 20.406 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBS01

Tot Ion: 75 Resp: 219700

Ion Ratio Lower Upper

75 100

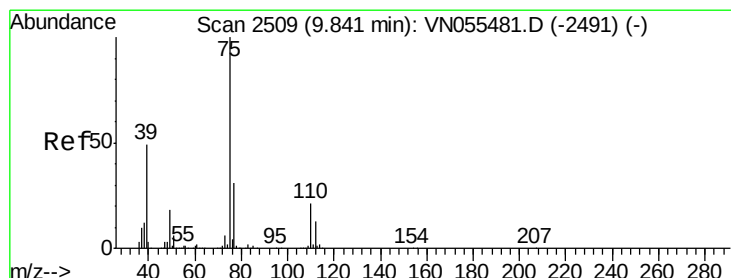
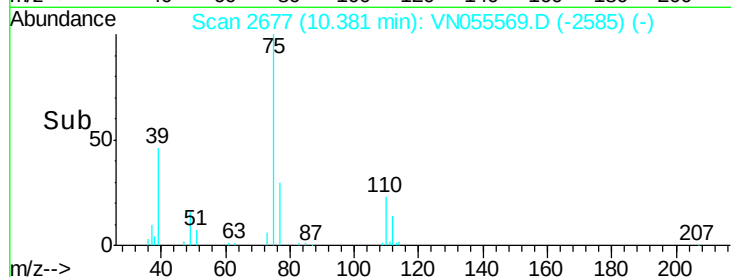
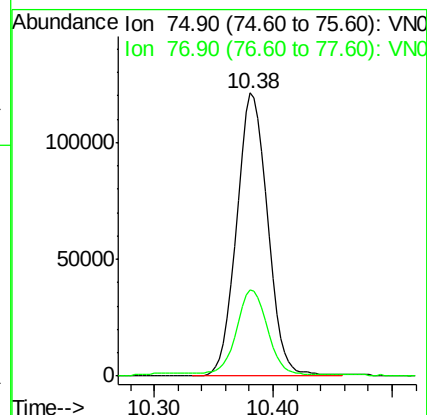
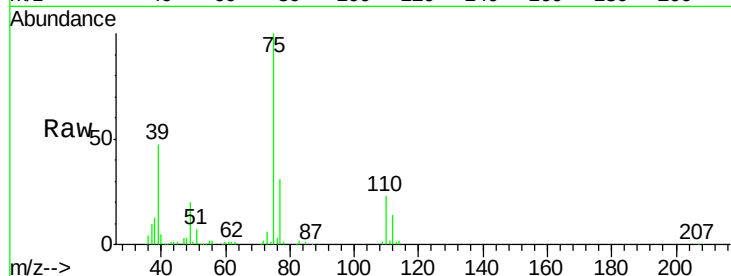
77 30.2 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 20.231 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

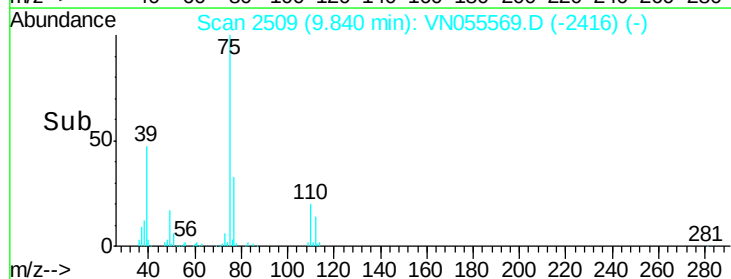
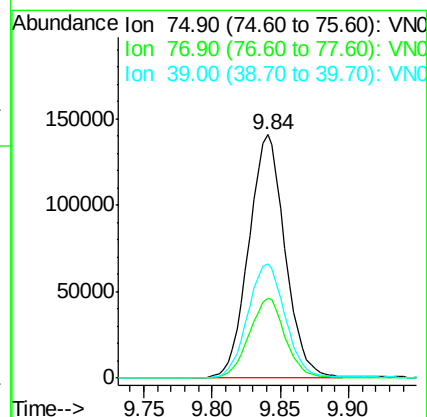
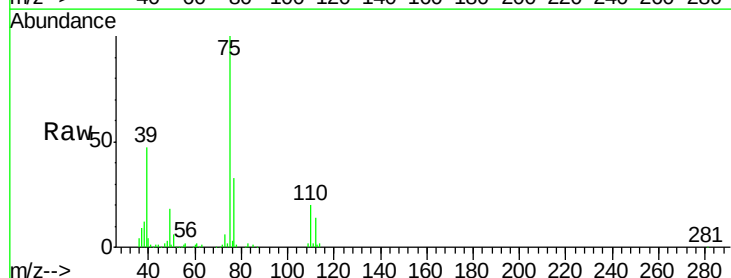
Tgt Ion: 75 Resp: 260274

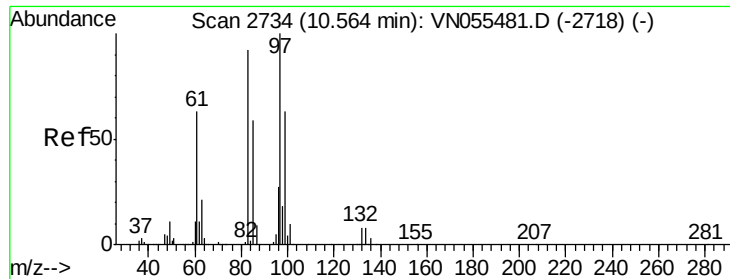
Ion Ratio Lower Upper

75 100

77 32.9 24.4 36.6

39 47.1 39.5 59.3





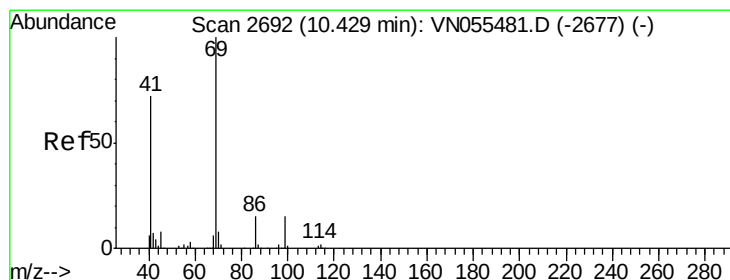
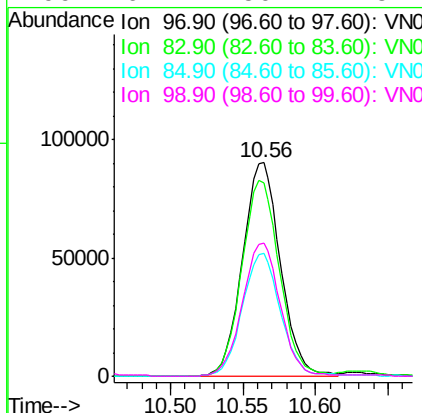
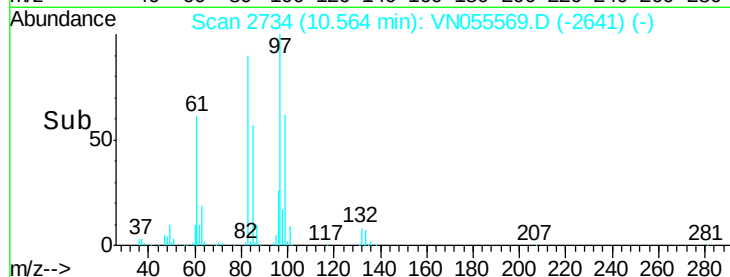
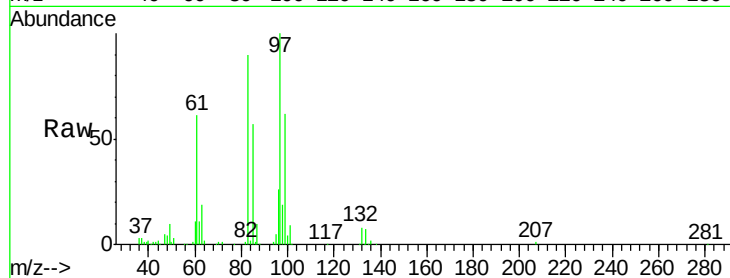
#55
 1,1,2-Trichloroethane
 Concen: 20.096 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0513WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		164469		
83	90.2	73.2	109.8		
85	57.4	47.5	71.3		
99	62.1	50.2	75.2		

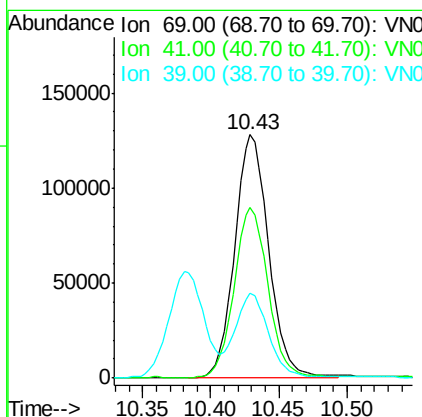
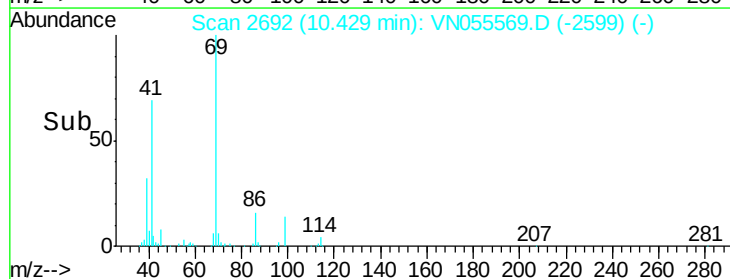
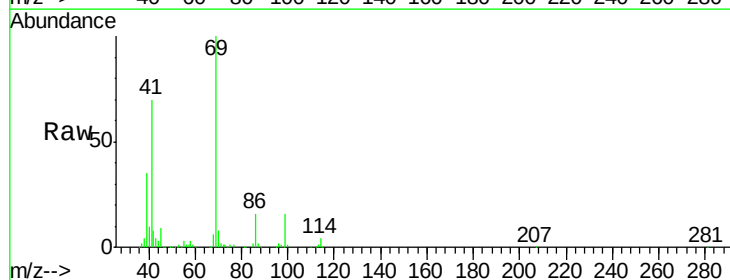
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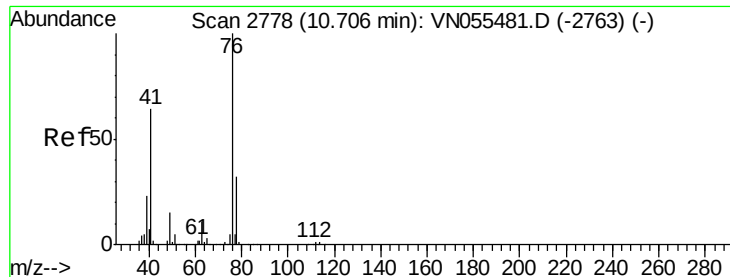
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#56
 Ethyl methacrylate
 Concen: 18.255 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		222227		
41	69.2	56.2	84.2		
39	33.8	27.8	41.6		





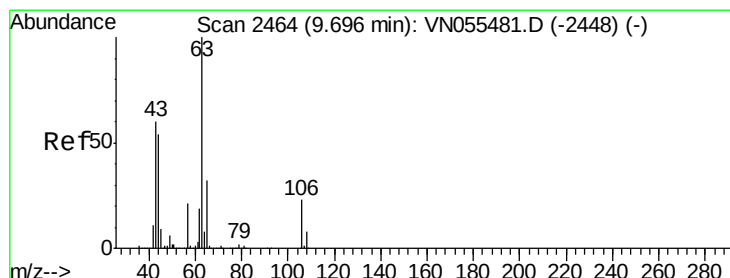
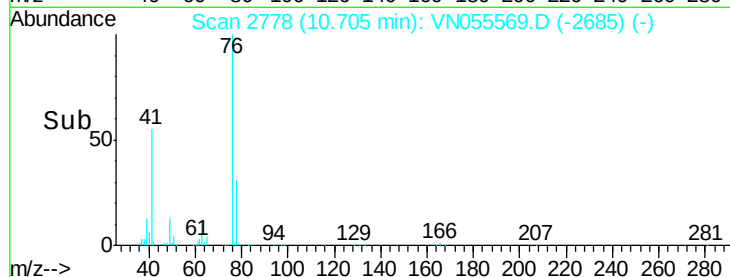
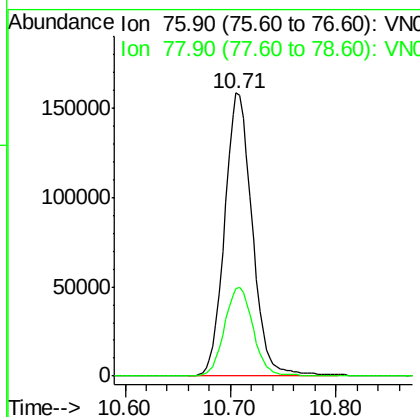
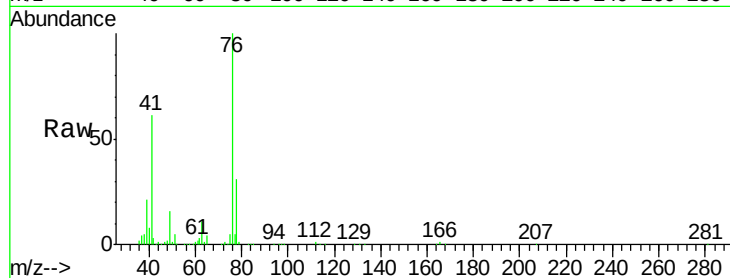
#57
 1,3-Dichloropropane
 Concen: 19.761 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.6

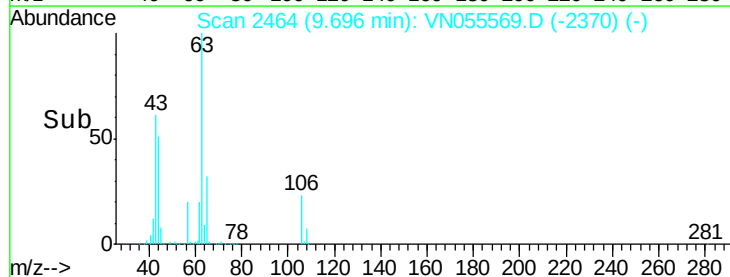
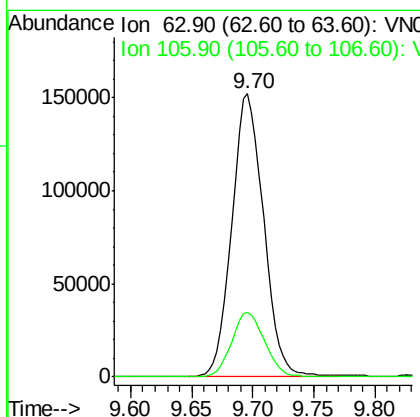
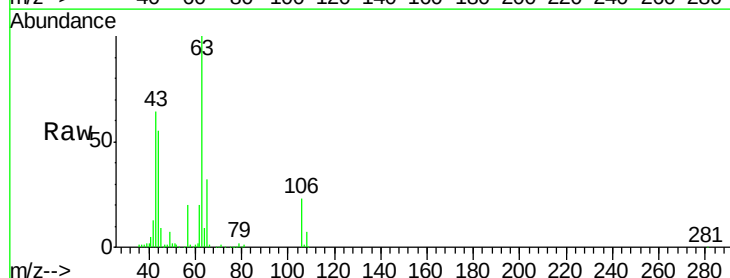
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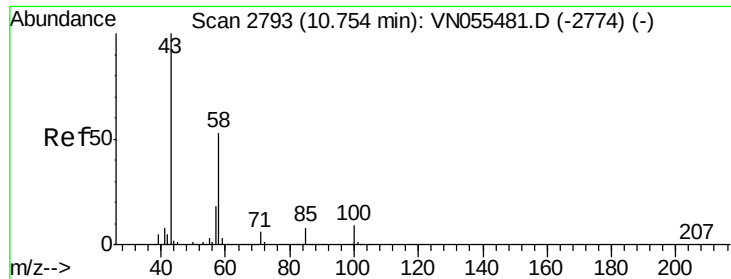
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#58
 2-Chloroethyl Vinyl ether
 Concen: 76.471 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.5	18.6	27.8





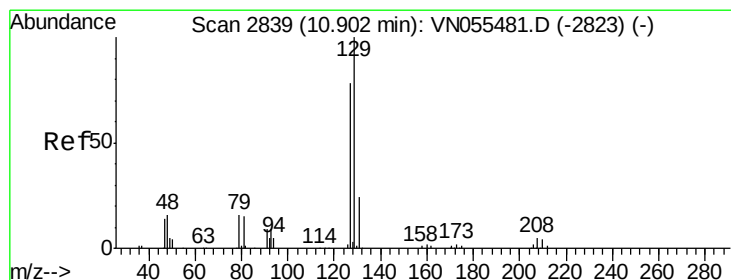
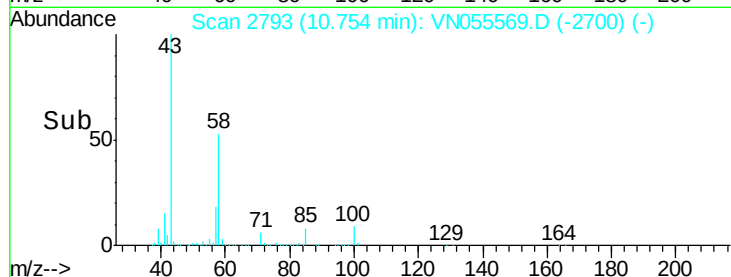
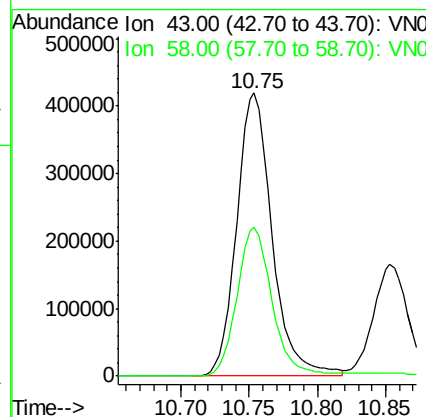
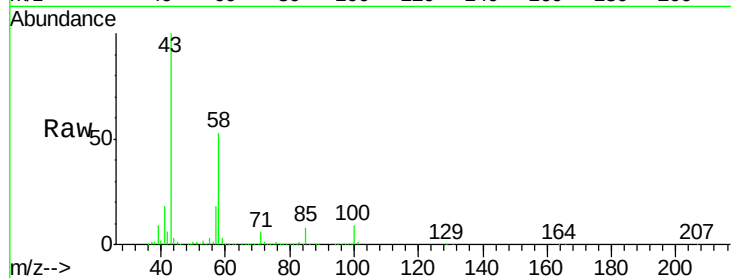
#59
2-Hexanone
Concen: 86.628 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

Tot Ion: 43 Resp: 753821
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0

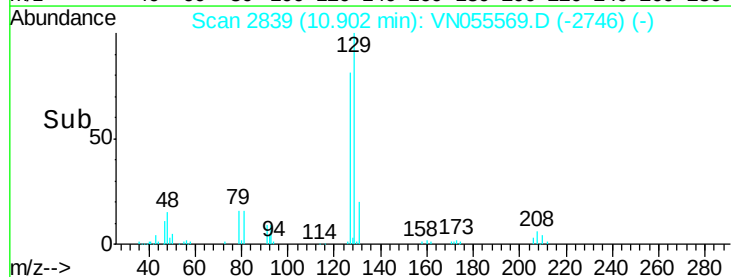
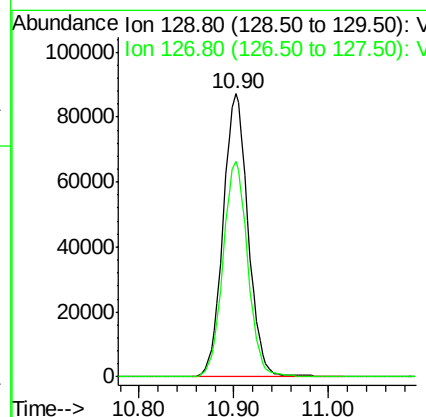
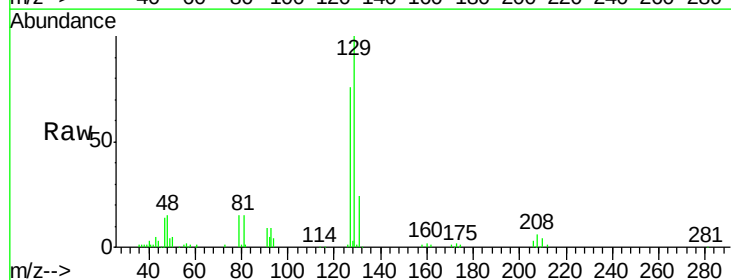
Manual Integrations
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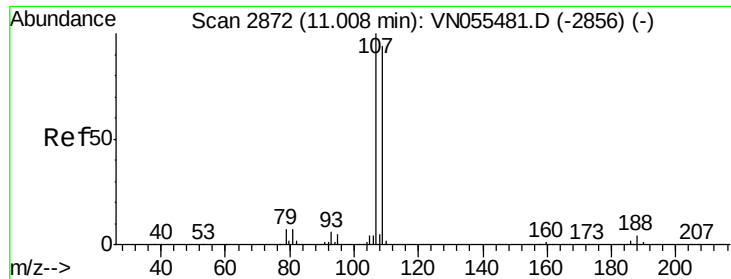
MMDadoda
5/14/2019 9:42:26 AM



#60
Dibromochloromethane
Concen: 21.462 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion: 129 Resp: 159694
Ion Ratio Lower Upper
129 100
127 75.3 38.6 116.0





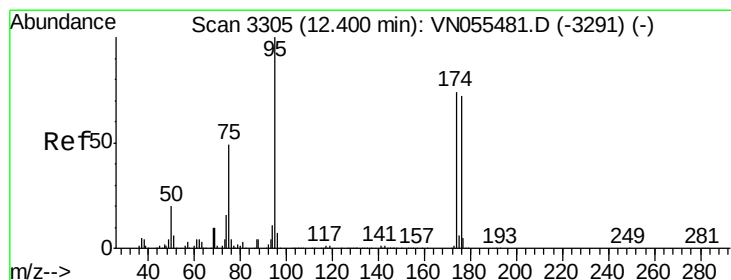
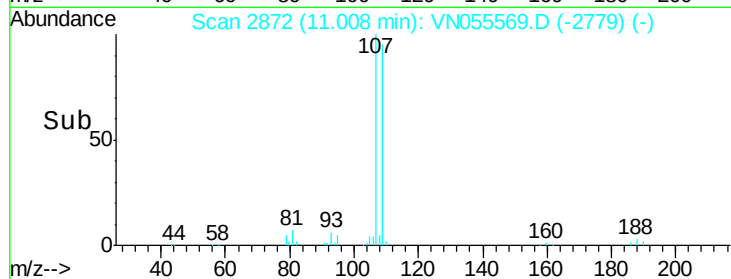
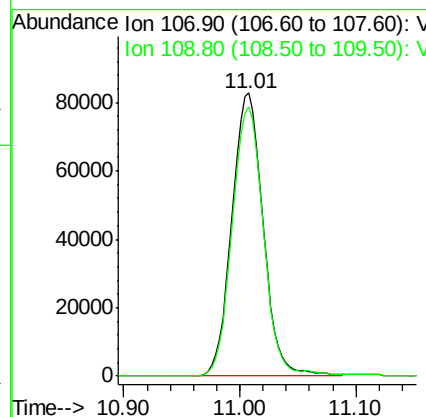
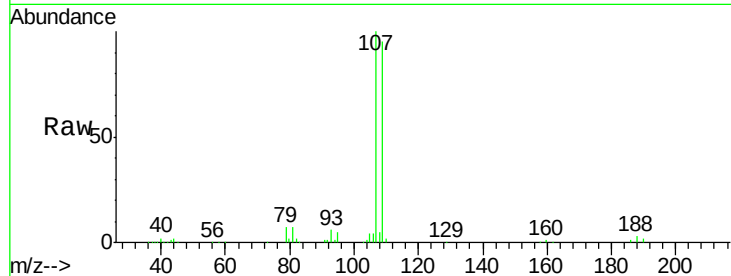
#61
 1,2-Dibromoethane
 Concen: 19.632 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.2	111.4

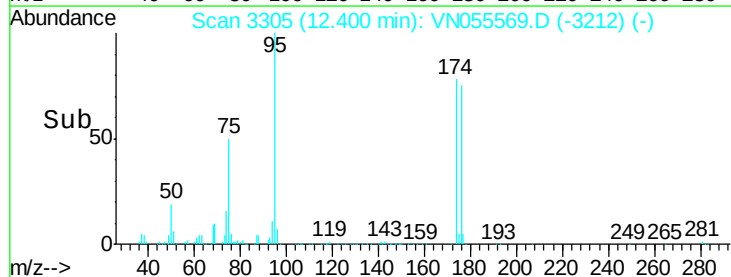
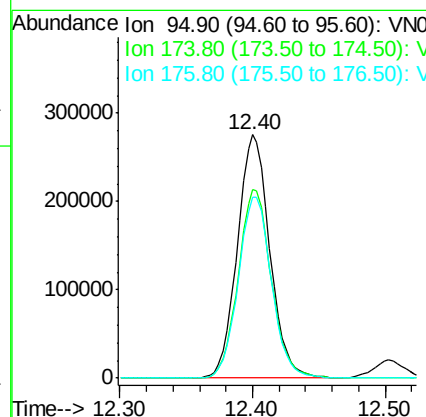
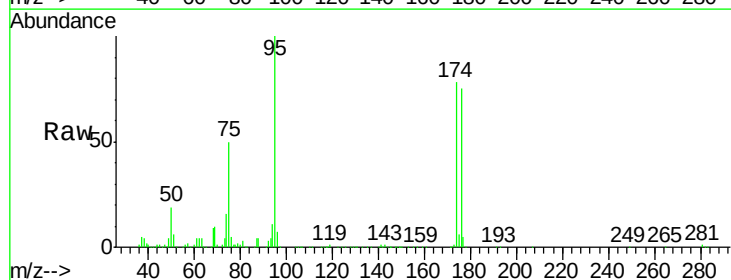
Manual Integrations
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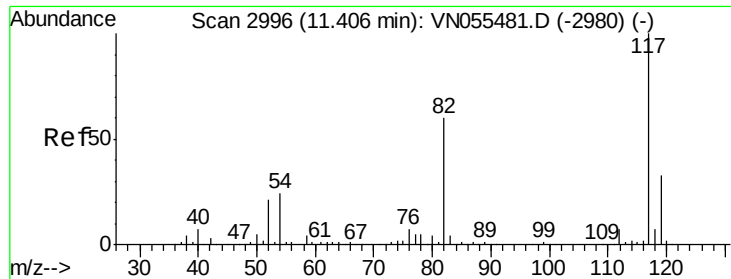
MMDadoda
 5/14/2019 9:42:26 AM



#62
 4-Bromofluorobenzene
 Concen: 47.769 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	152.2
176	76.3	0.0	147.8





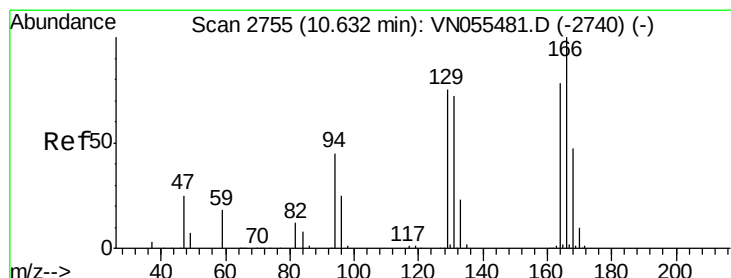
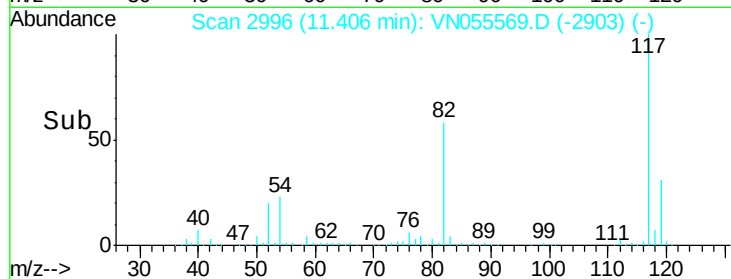
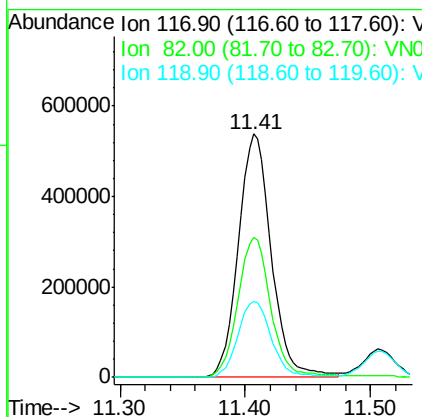
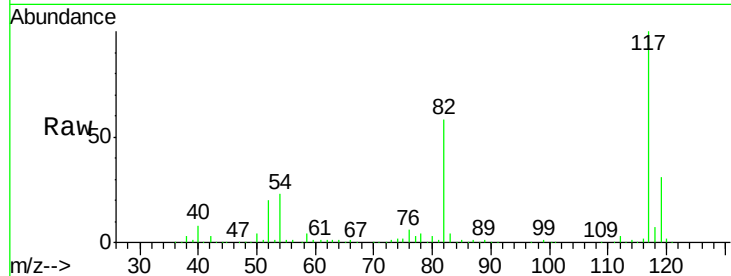
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	983101		
82	57.6	48.0	72.0	
119	31.3	26.0	39.0	

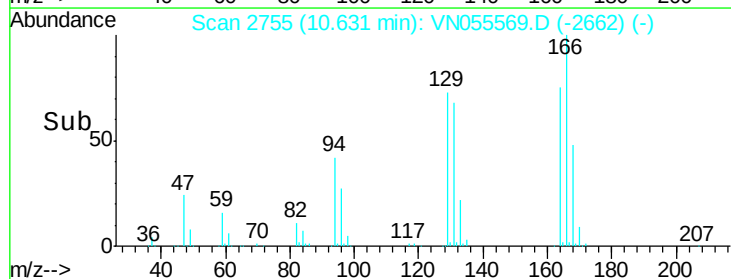
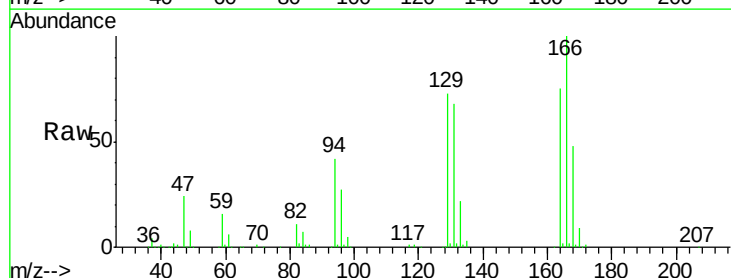
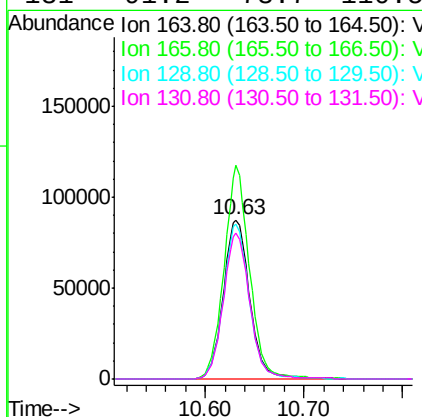
Manual Integrations
APPROVED

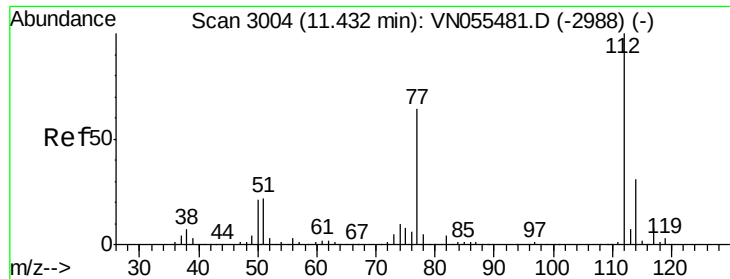
MMDadoda
5/14/2019 9:42:26 AM



#64
Tetrachloroethene
Concen: 20.406 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	164384		
166	134.1	102.6	153.8	
129	97.2	77.0	115.6	
131	91.2	73.7	110.5	





#65

Chlorobenzene

Concen: 20.577 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampled :

VN0513WBS01

Tot Ion:112 Resp: 416184

Ion Ratio Lower Upper

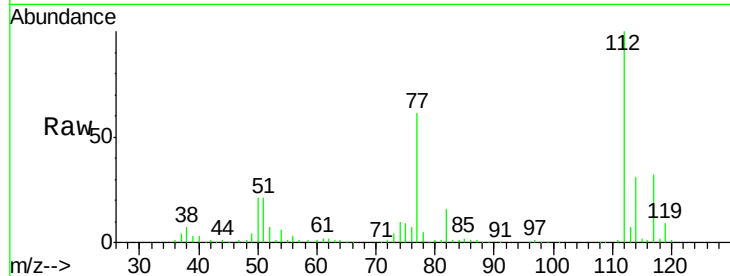
112 100

114 31.0 25.0 37.4

Manual Integrations
APPROVED

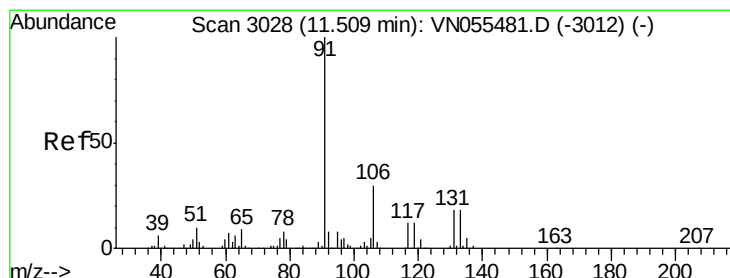
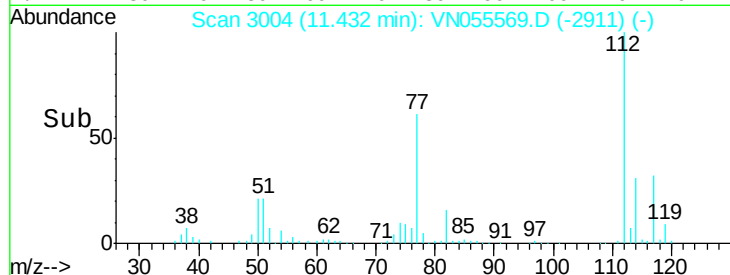
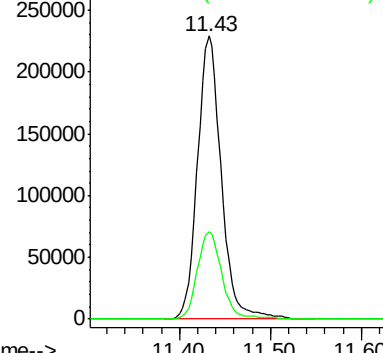
MMDadoda

5/14/2019 9:42:26 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.383 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

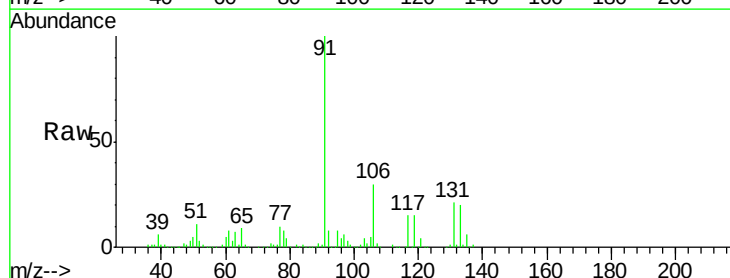
Tgt Ion:131 Resp: 148888

Ion Ratio Lower Upper

131 100

133 96.9 47.4 142.2

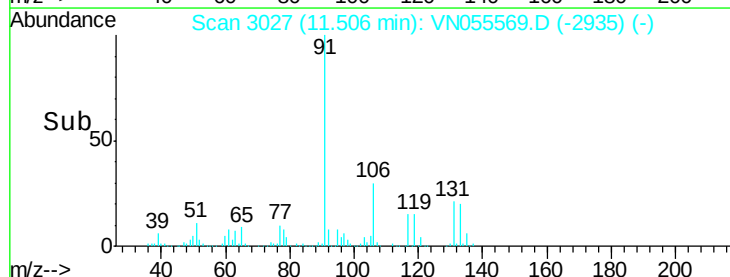
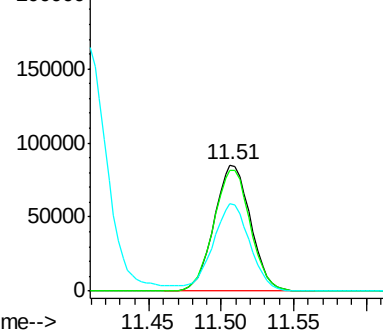
119 69.8 34.1 102.2

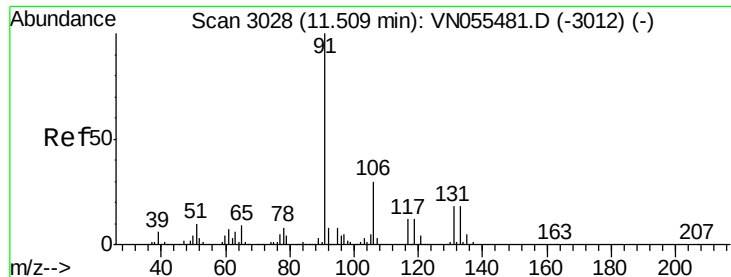


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





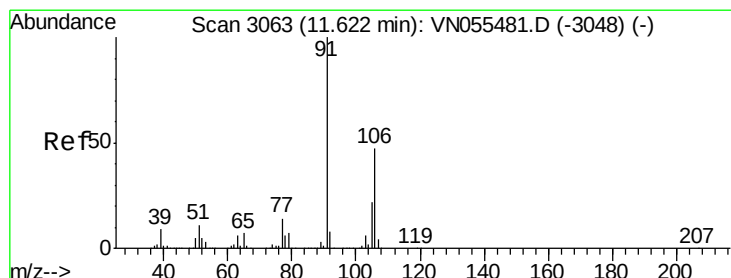
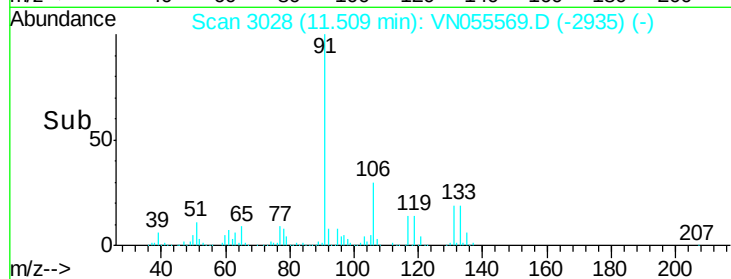
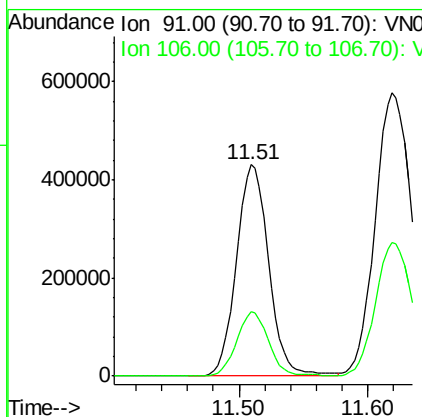
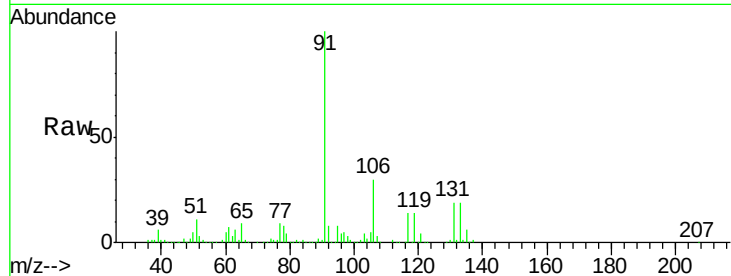
#67
Ethyl Benzene
Concen: 19.840 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.8	35.6

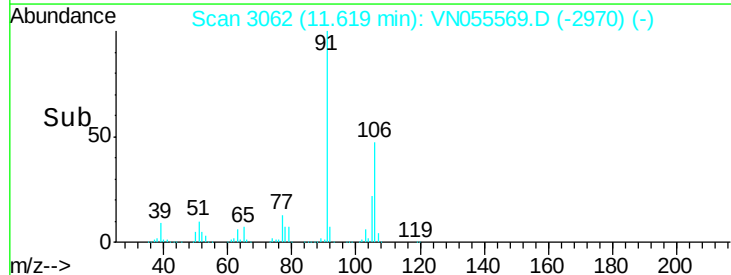
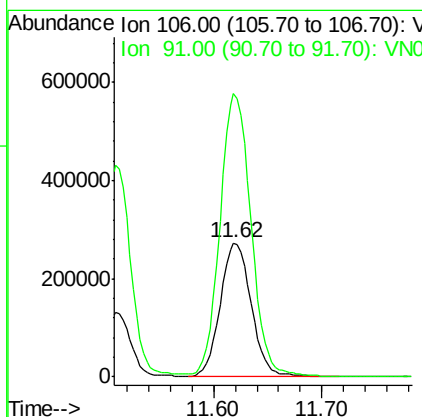
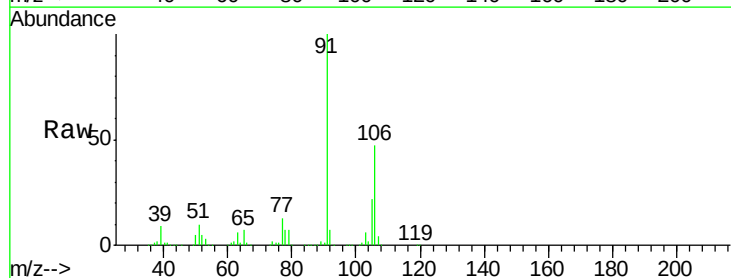
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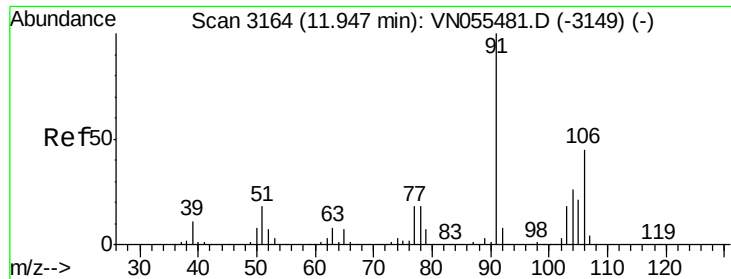
MMDadoda
5/14/2019 9:42:26 AM



#68
m/p-Xylenes
Concen: 40.079 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.7	169.2	253.8





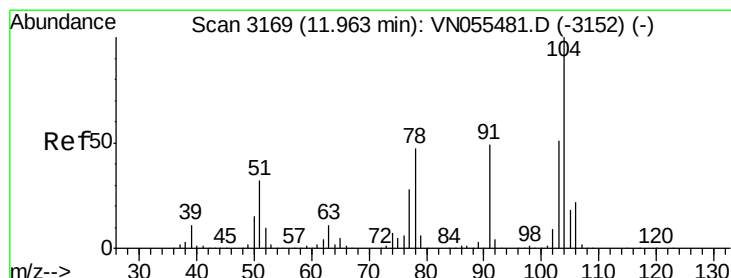
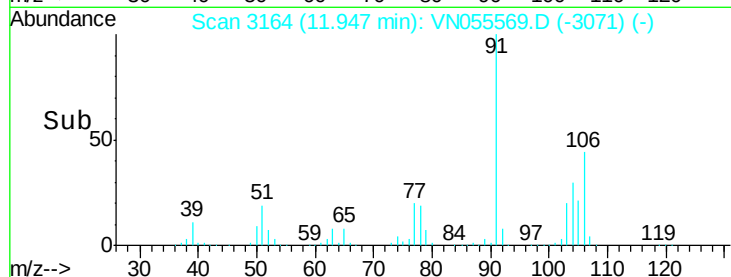
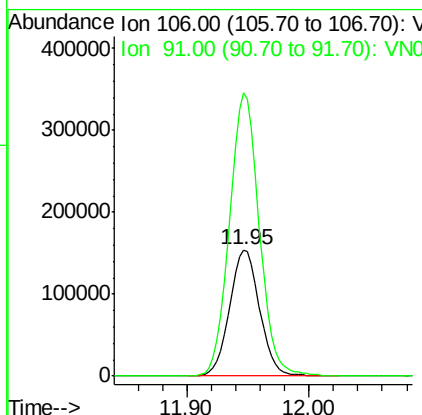
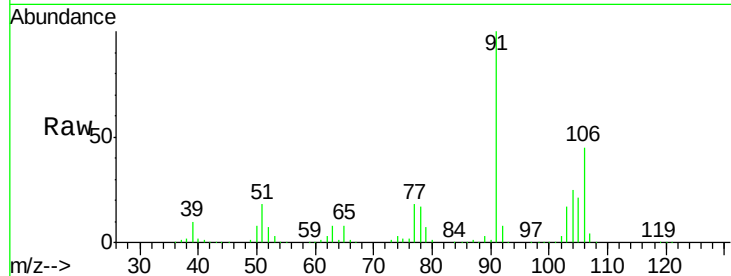
#69
o-Xylene
Concen: 19.794 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		265218		
91	222.3	111.3	333.8		

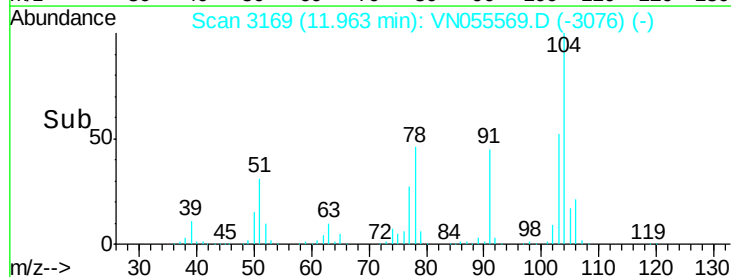
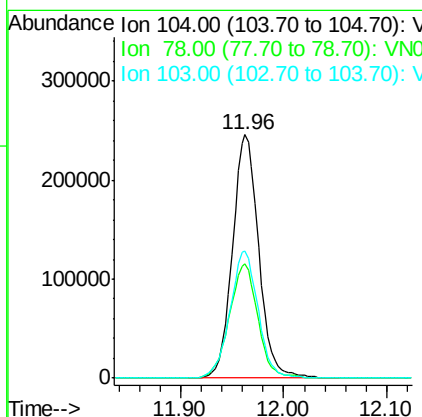
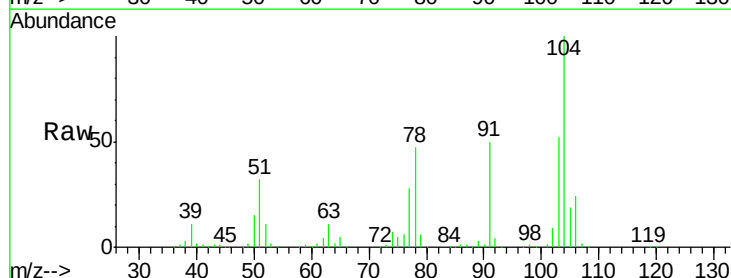
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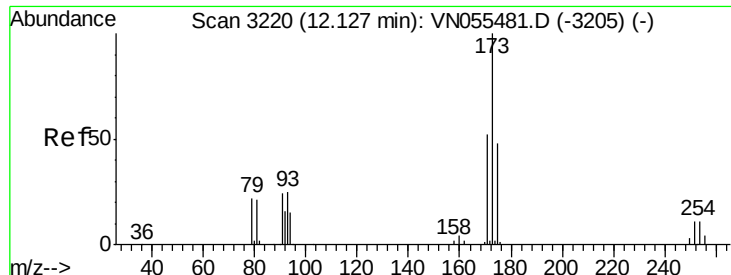
MMDadoda
5/14/2019 9:42:26 AM



#70
Styrene
Concen: 20.319 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		436181		
78	51.0	41.6	62.4		
103	56.0	44.4	66.6		





#71

Bromoform

Concen: 20.834 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

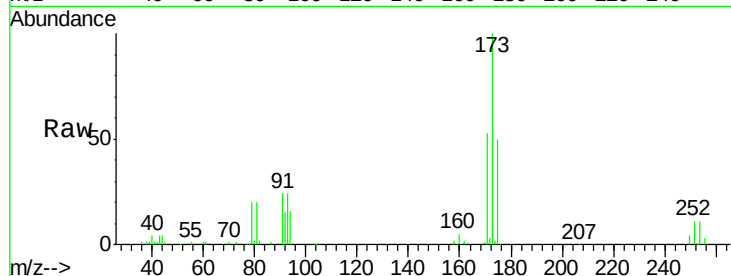
ClientSampleId :

VN0513WBS01

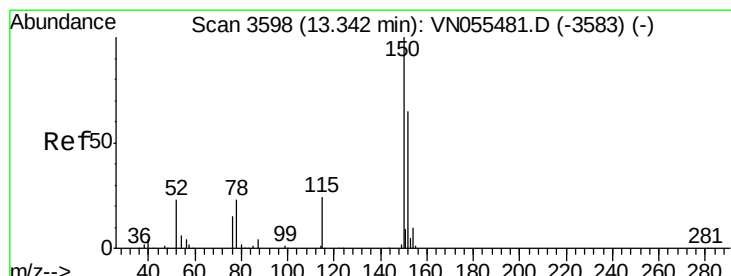
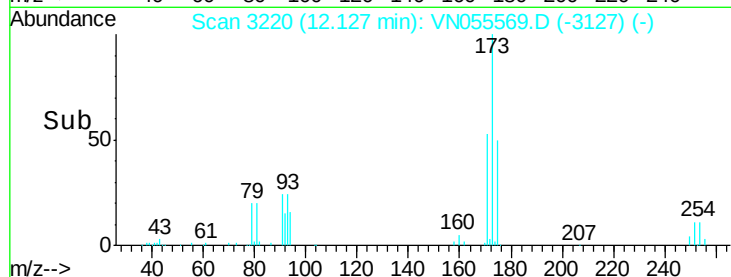
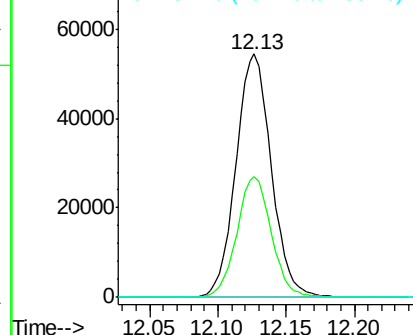
Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	48.4	24.1	72.4		
254	0.0	0.1	0.1#		

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

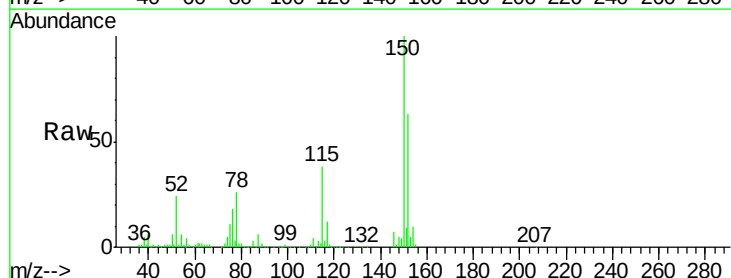
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

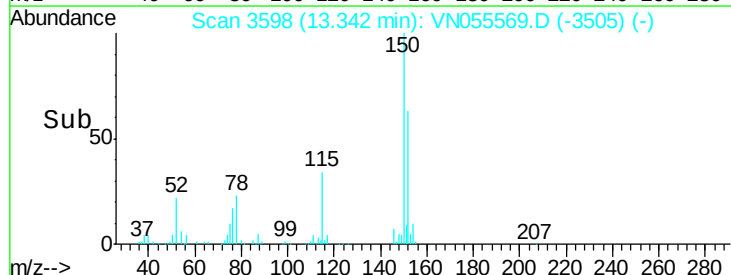
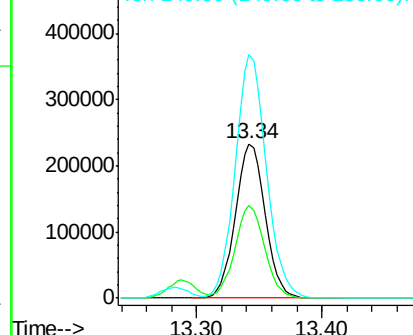
Lab File: VN055569.D

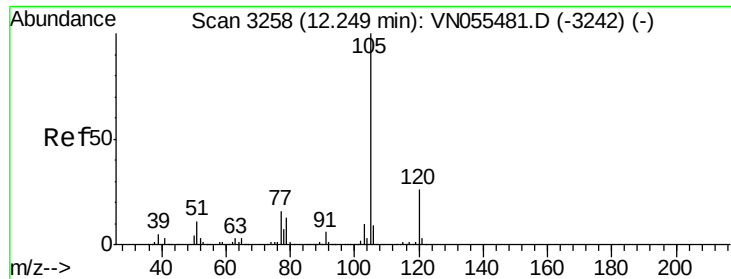
Acq: 13 May 2019 10:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	59.7	30.1	90.5		
150	165.0	0.0	355.0		



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





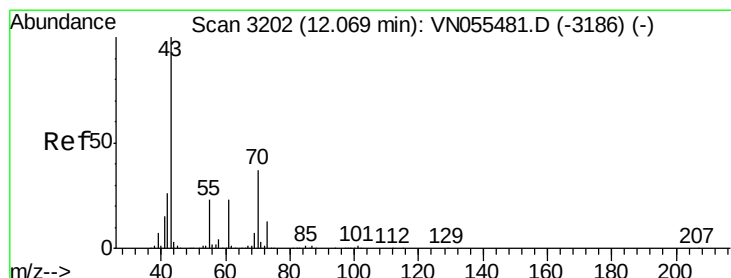
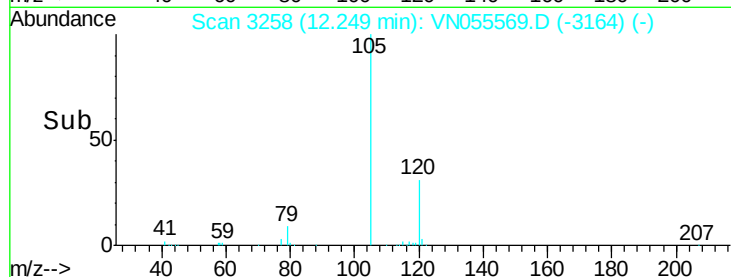
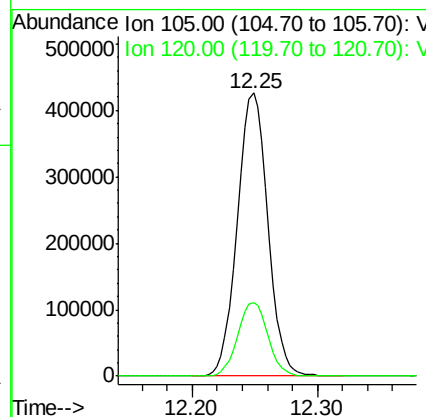
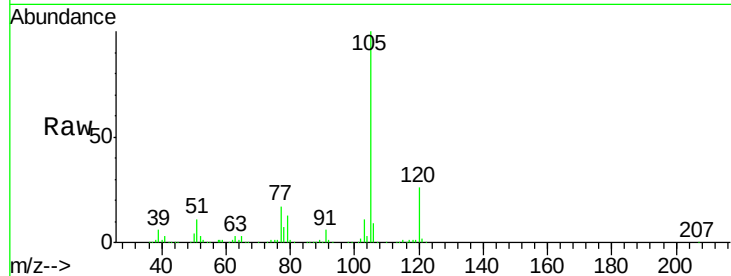
#73
Isopropylbenzene
Concen: 21.413 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	39.0

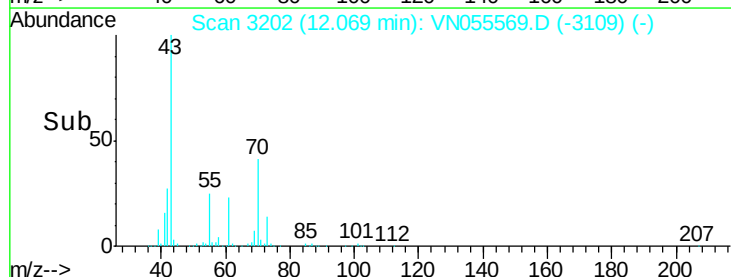
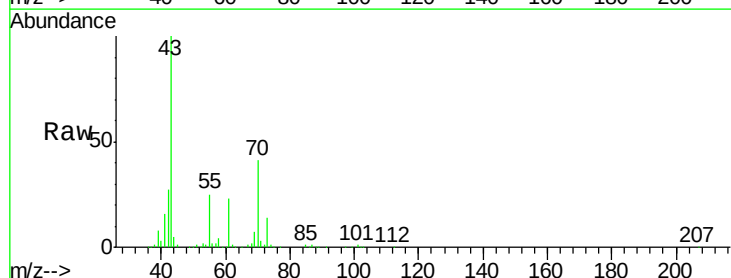
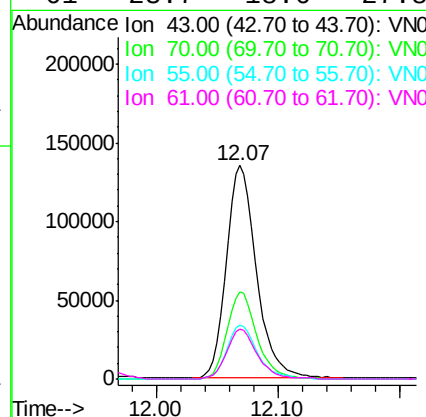
Manual Integrations
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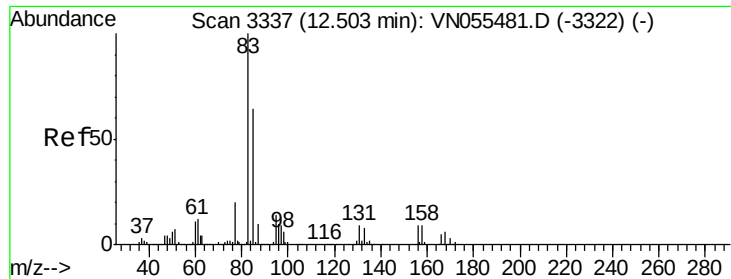
MMDadoda
5/14/2019 9:42:26 AM



#74
N-ethyl acetate
Concen: 16.180 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.4	30.7	46.1
55	25.8	19.3	28.9
61	23.7	18.6	27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.594 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

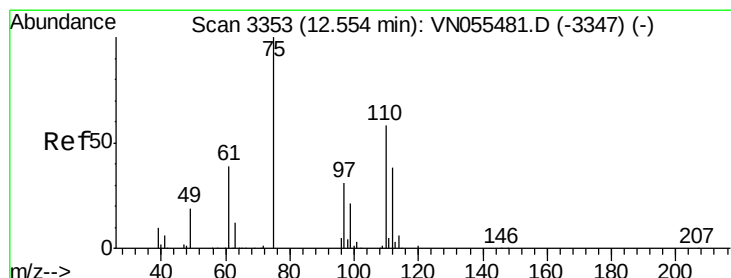
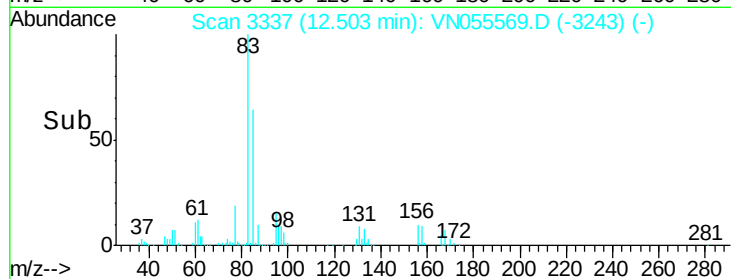
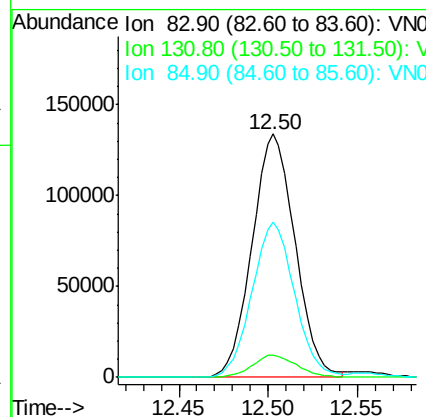
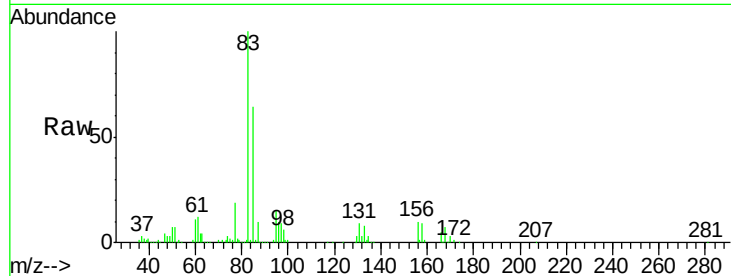
ClientSampleId :

VN0513WBS01

Tot Ion:	83	Resp:	225960
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.5	13.5
85	63.0	32.0	96.0

Manual Integrations
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5/14/2019 9:42:26 AM



#76

1,2,3-Trichloropropane

Concen: 18.873 ug/l m

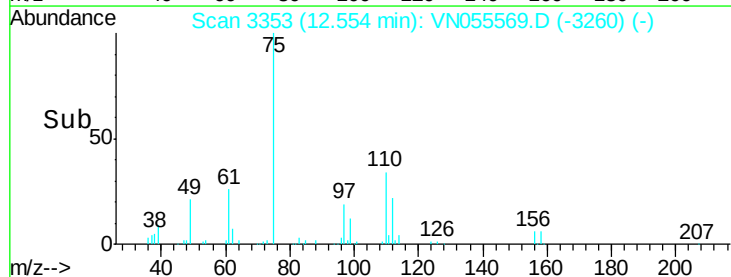
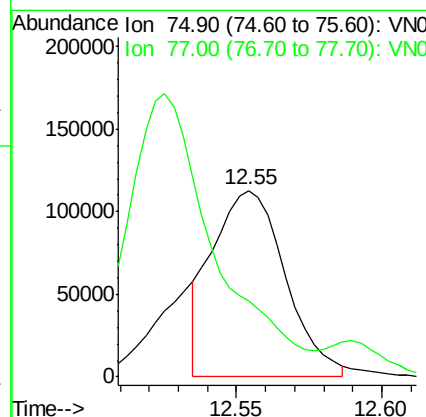
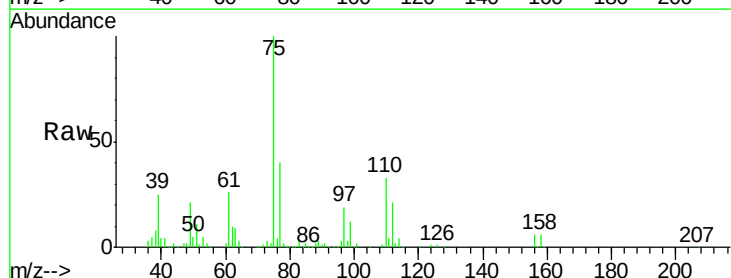
RT: 12.55 min Scan# 3353

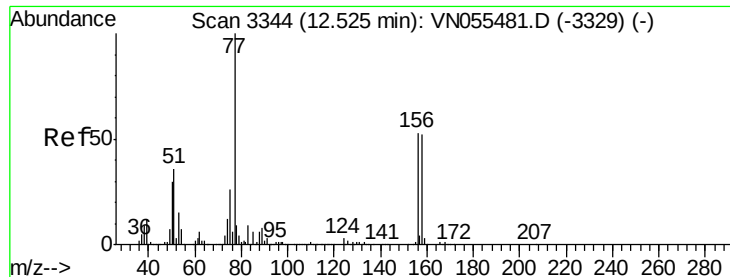
Delta R.T. 0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Tgt Ion:	75	Resp:	196545
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.565 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

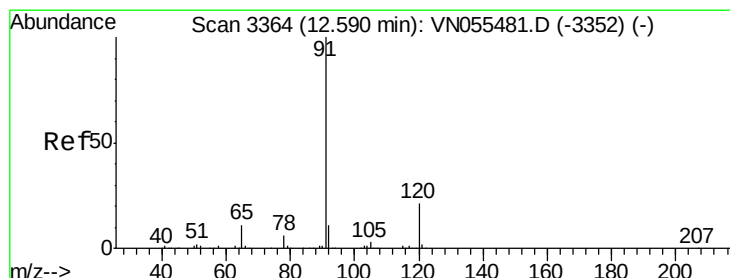
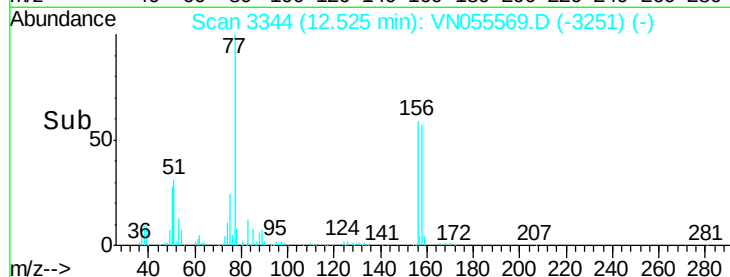
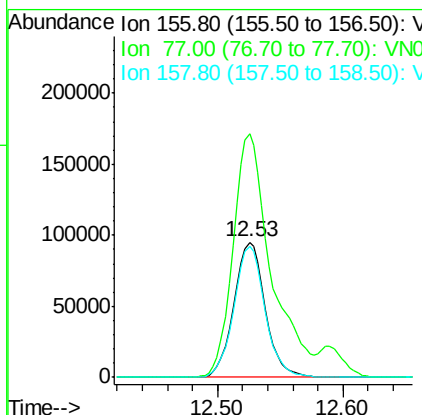
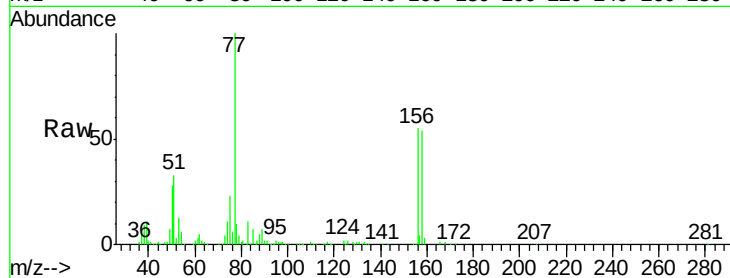
ClientSampleId :

VN0513WBS01

Tot Ion:	156	Resp:	164940
Ion Ratio	Lower	Upper	
156	100		
77	218.2	115.4	346.2
158	96.5	48.7	146.1

Manual Integrations
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#78

n-propylbenzene

Concen: 19.346 ug/l

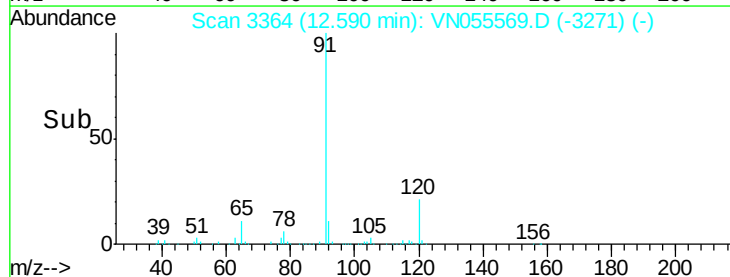
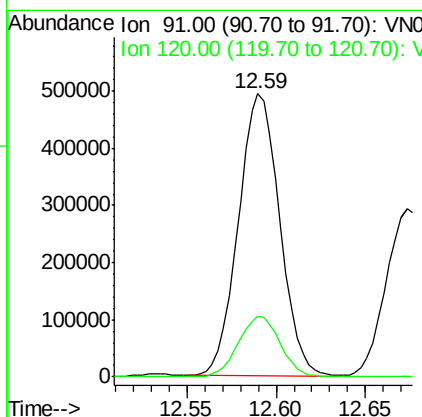
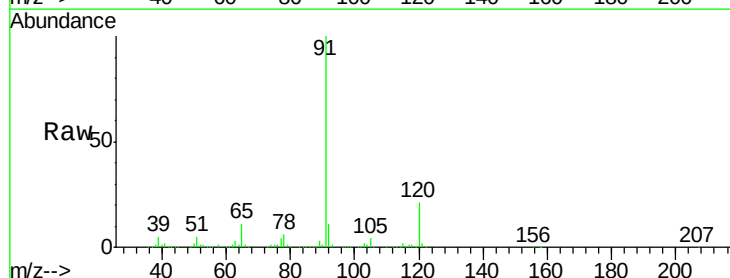
RT: 12.59 min Scan# 3364

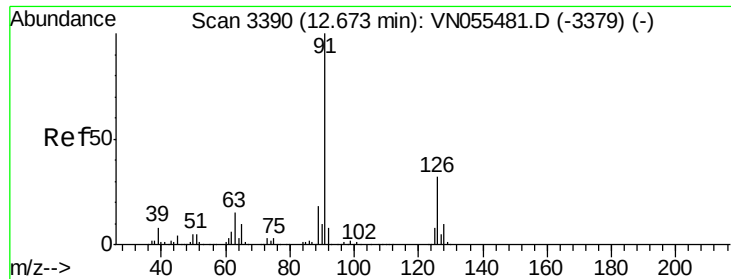
Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Tgt Ion:	91	Resp:	793763
Ion Ratio	Lower	Upper	
91	100		
120	21.8	10.8	32.3





#79

2-Chlorotoluene

Concen: 19.247 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampled :

VN0513WBS01

Tot Ion: 91 Resp: 492142

Ion Ratio Lower Upper

91 100

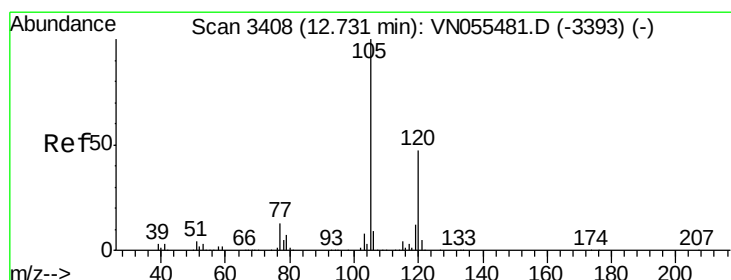
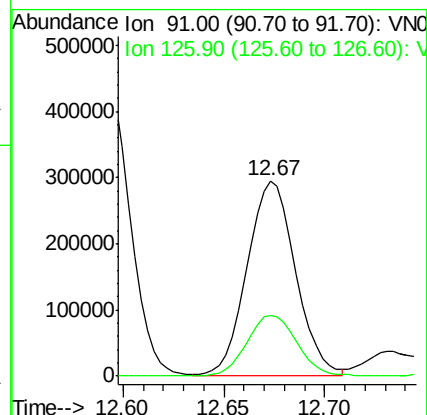
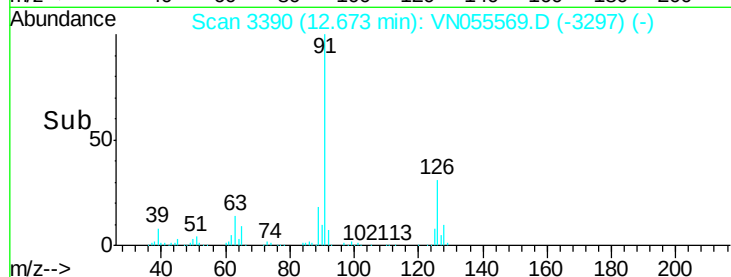
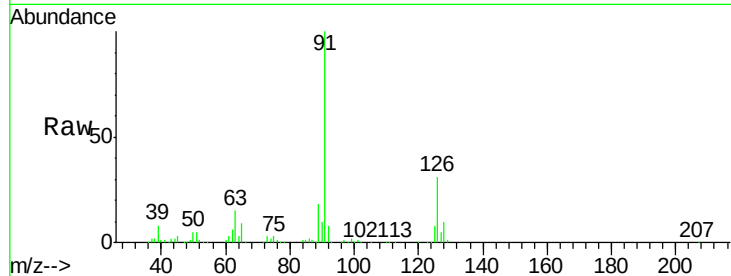
126 32.7 16.0 47.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.284 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055569.D

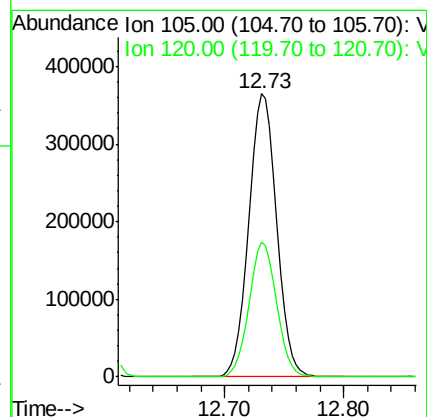
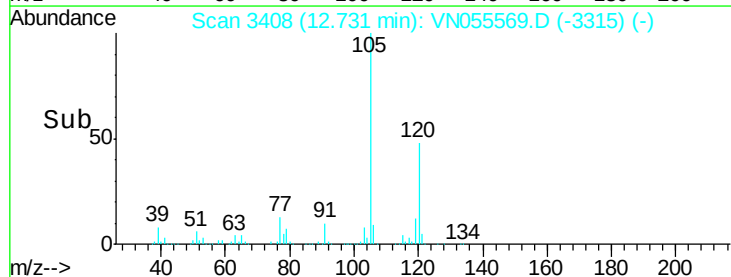
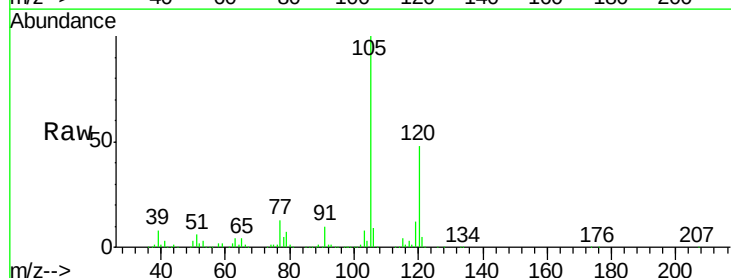
Acq: 13 May 2019 10:51

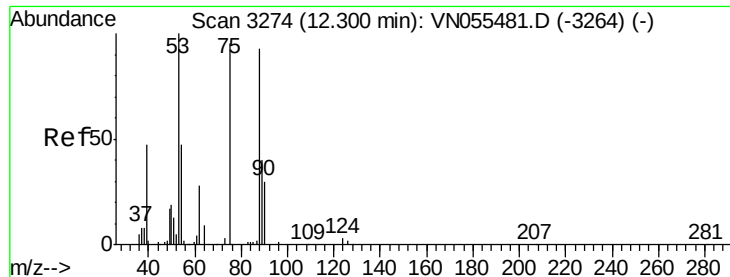
Tgt Ion: 105 Resp: 589972

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.920 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

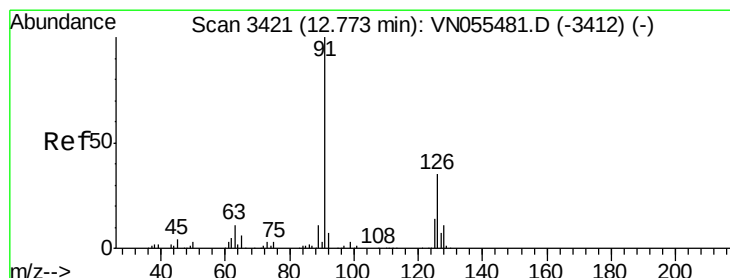
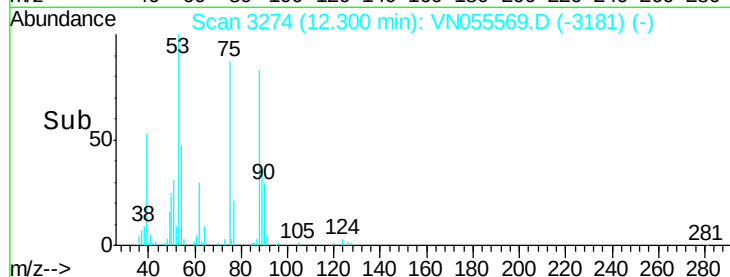
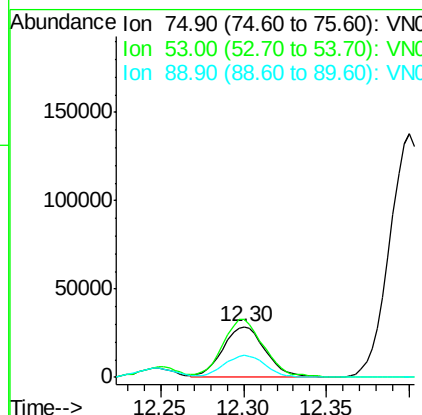
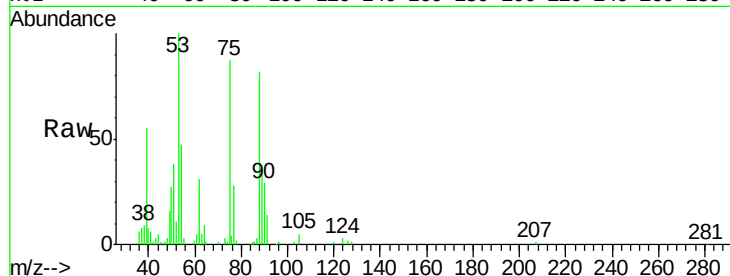
ClientSampleId :

VN0513WBS01

Tot Ion:	75	Resp:	50577
Ion	Ratio	Lower	Upper
75	100		
53	111.4	86.5	129.7
89	41.9	35.7	53.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.417 ug/l

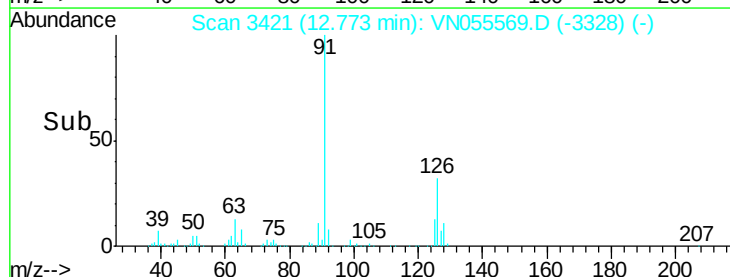
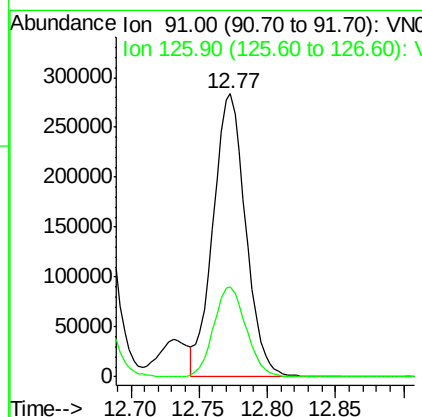
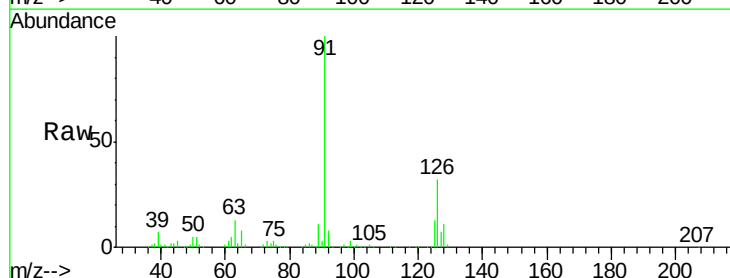
RT: 12.77 min Scan# 3421

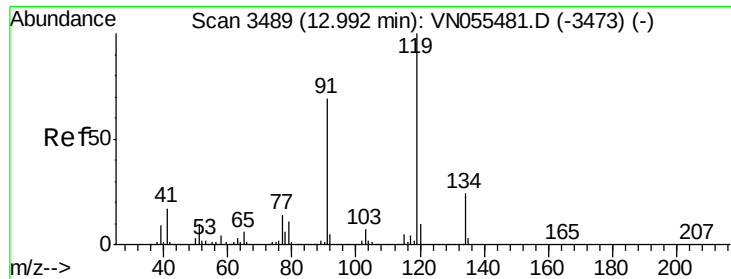
Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Tgt Ion:	91	Resp:	469147
Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.0





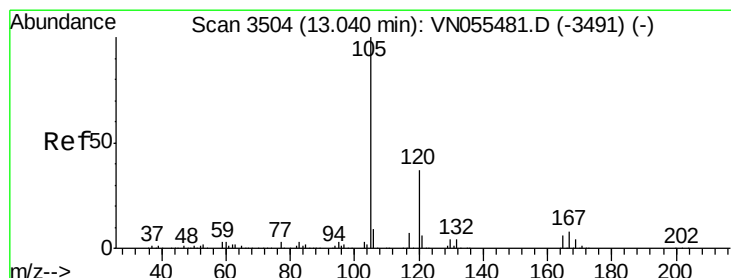
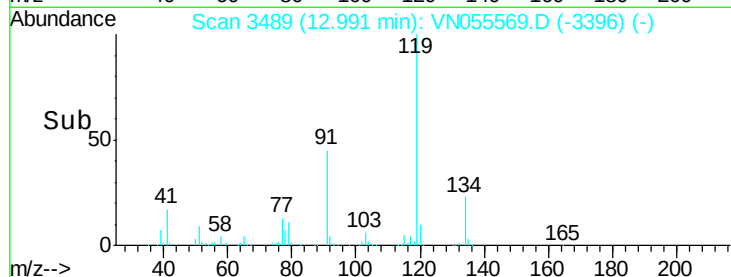
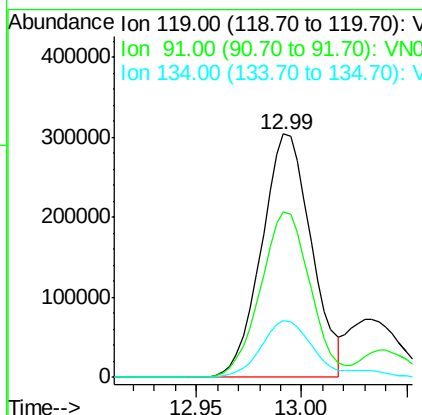
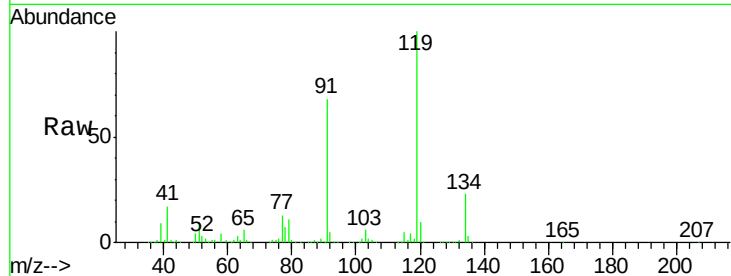
#83
 tert-Butylbenzene
 Concen: 19.067 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	500010		
91	67.7		33.8	101.3
134	24.0		12.5	37.5

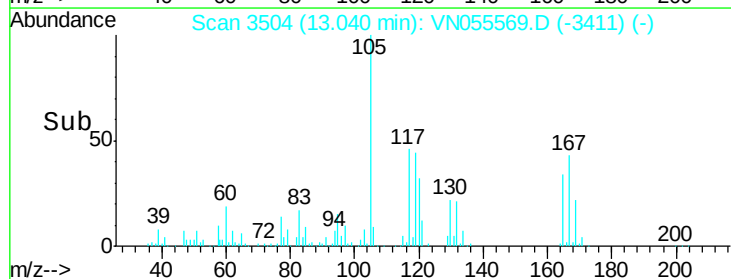
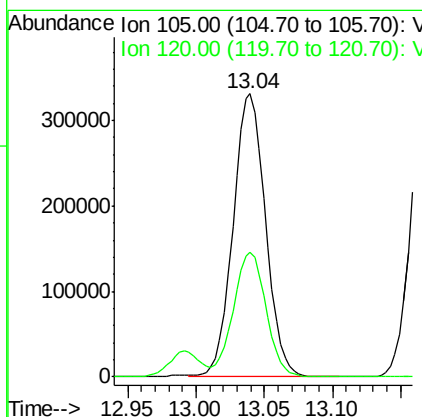
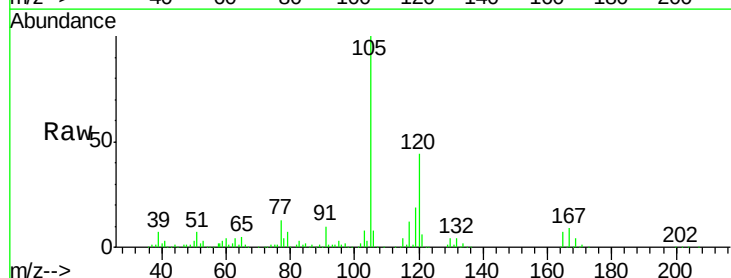
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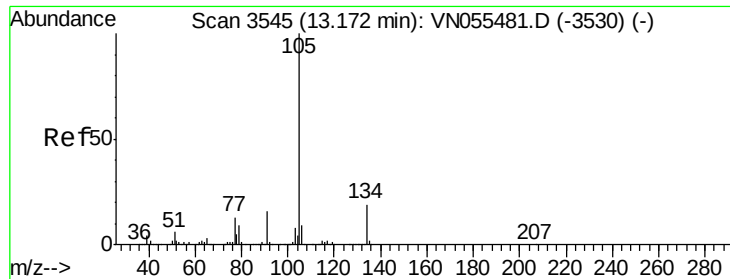
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.406 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	544500		
120	44.3		22.1	66.5





#85

sec-Butylbenzene

Concen: 19.170 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBS01

Tot Ion:105 Resp: 668111

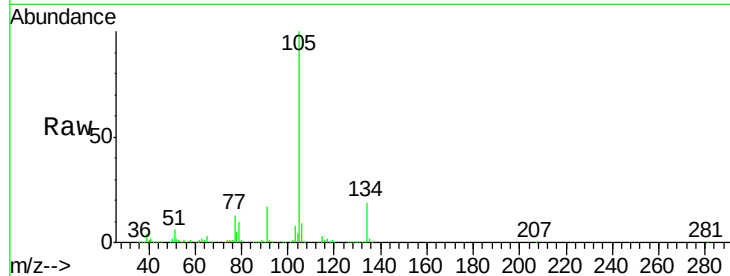
Ion Ratio Lower Upper

105 100

134 19.4 9.3 28.0

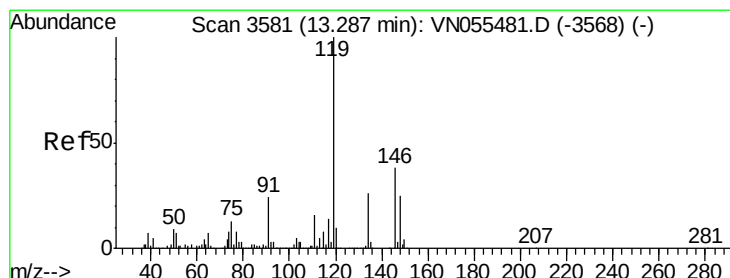
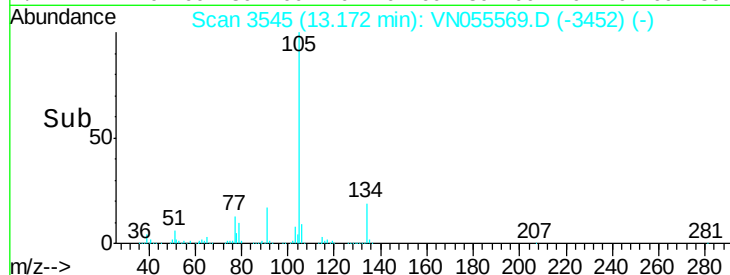
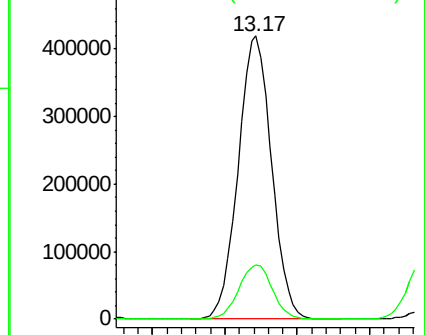
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.382 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

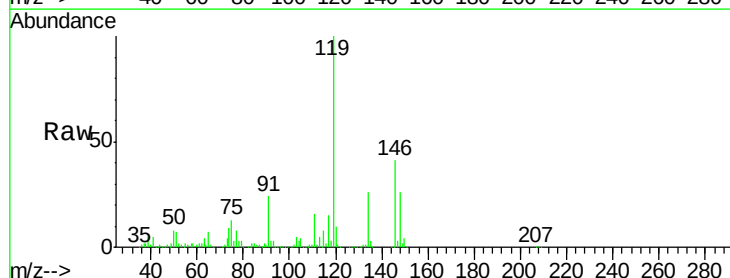
Tgt Ion:119 Resp: 549738

Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

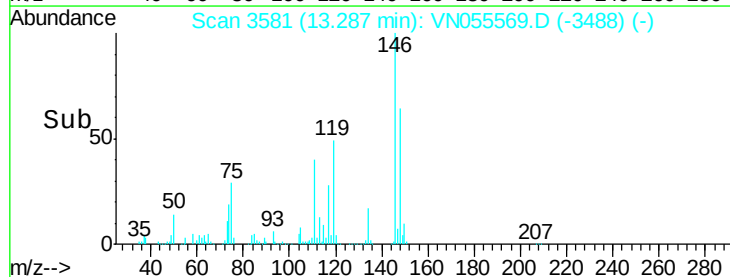
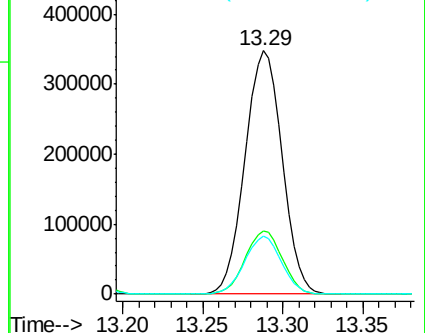
91 23.4 12.0 36.0

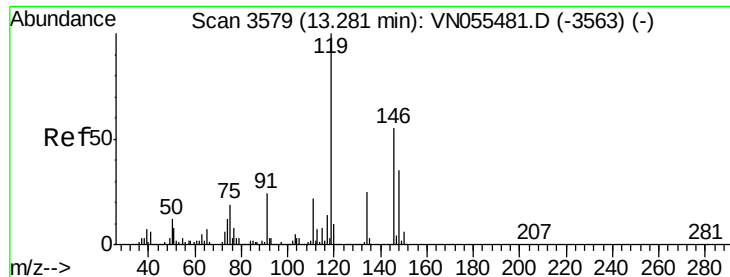


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.038 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

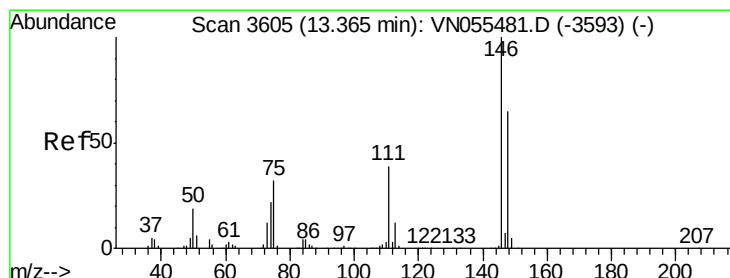
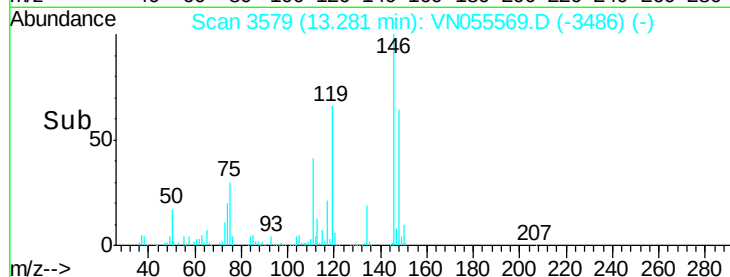
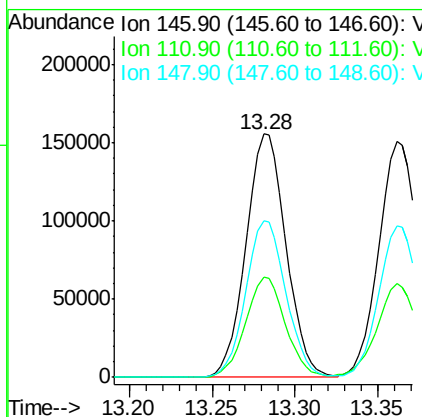
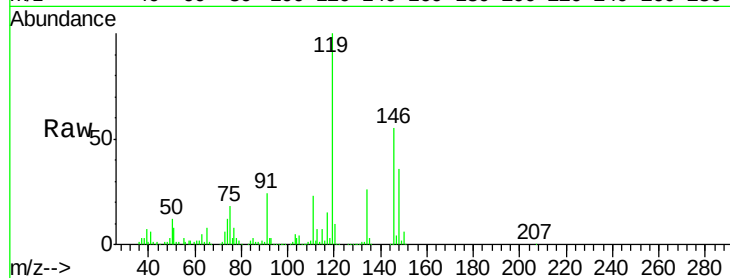
ClientSampleId :

VN0513WBS01

Tot Ion:	146	Resp:	261032
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.4	61.3
148	64.5	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 19.794 ug/l

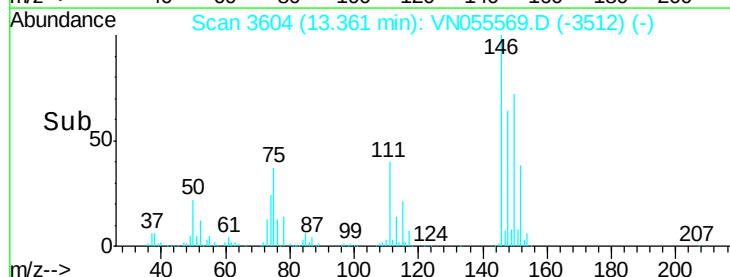
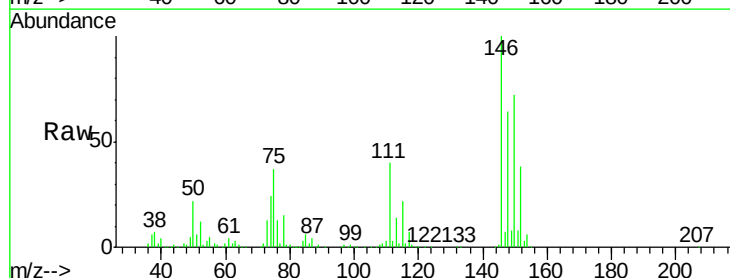
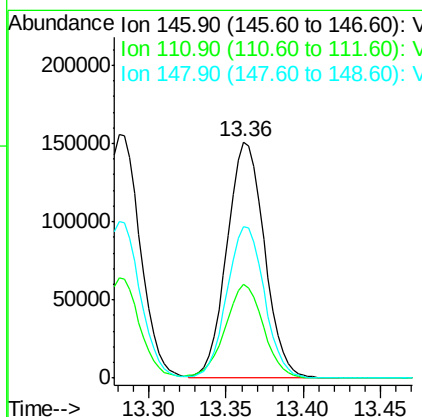
RT: 13.36 min Scan# 3604

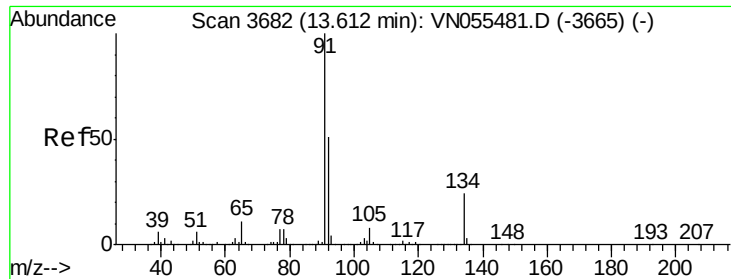
Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Tgt Ion:	146	Resp:	254471
Ion Ratio	Lower	Upper	
146	100		
111	40.4	19.6	58.8
148	64.0	32.5	97.4





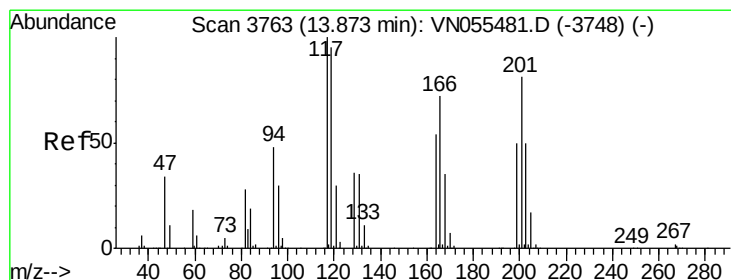
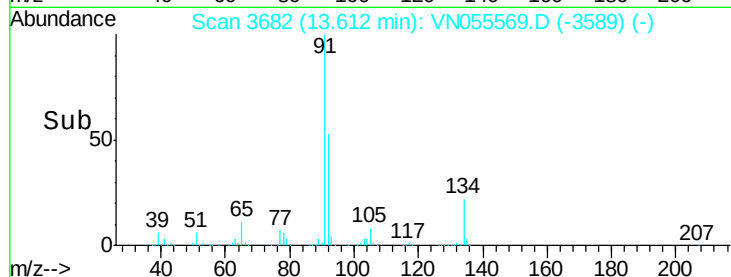
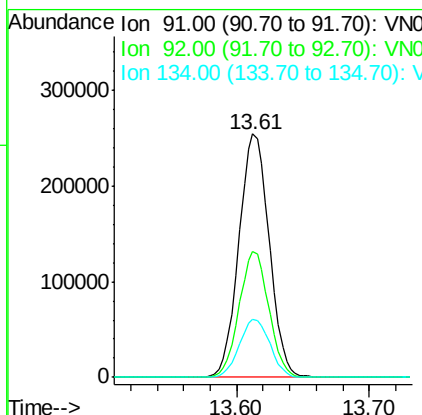
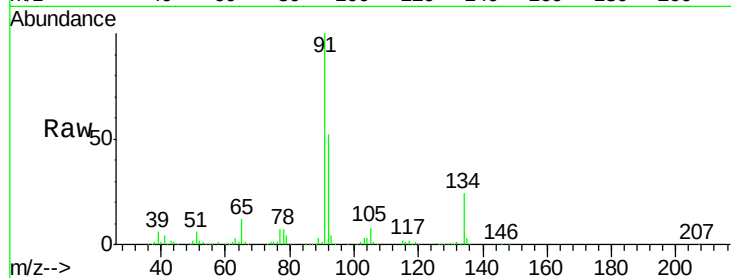
#89
n-Butylbenzene
Concen: 18.411 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.9	77.7
134	24.0	11.8	35.4

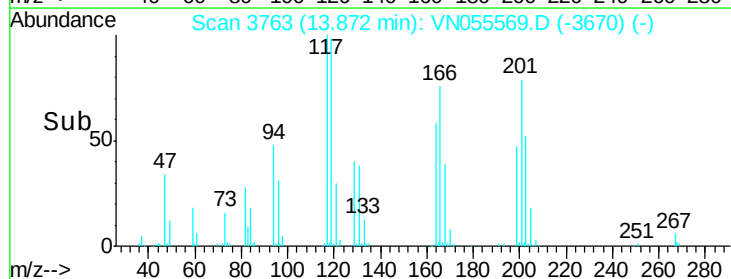
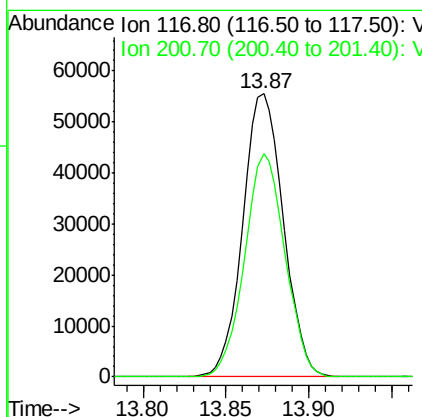
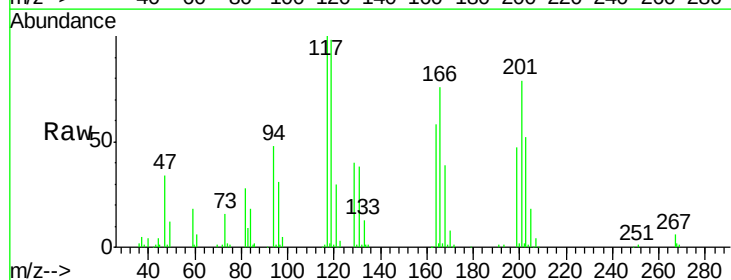
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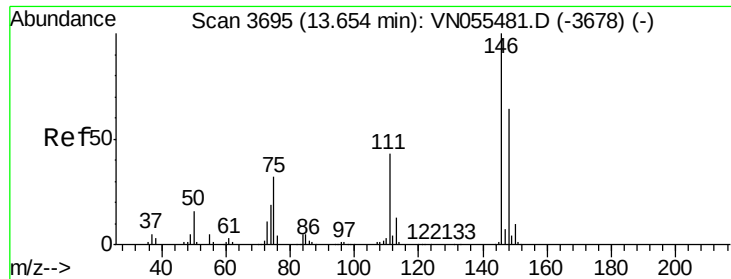
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#90
Hexachloroethane
Concen: 20.413 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.4	40.1	120.2





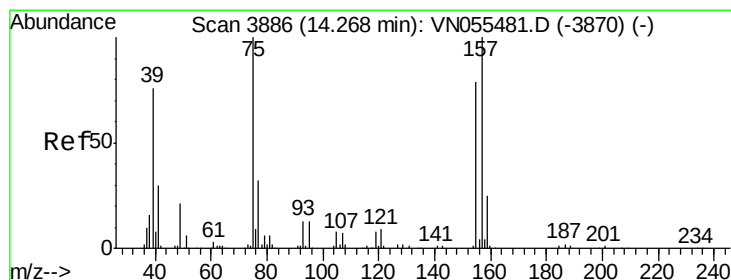
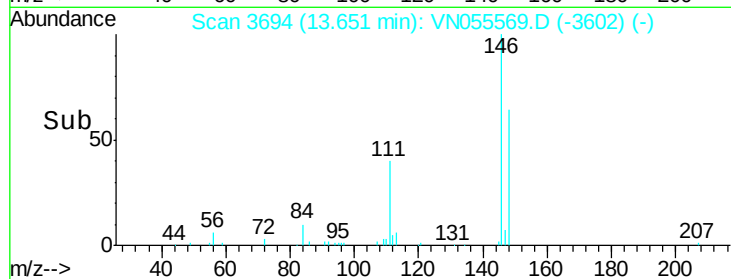
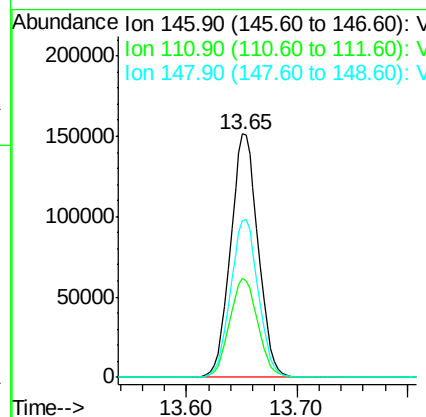
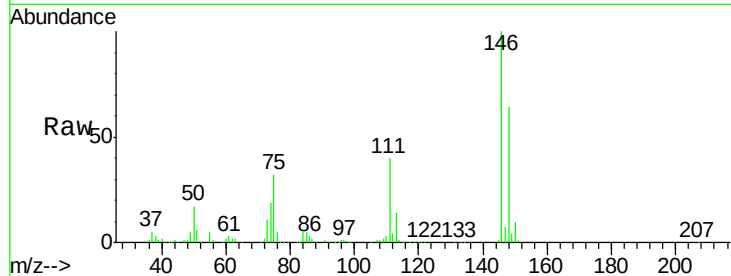
#91
 1,2-Dichlorobenzene
 Concen: 20.099 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	261680		
111	41.4	21.3	63.7	
148	65.2	31.9	95.9	

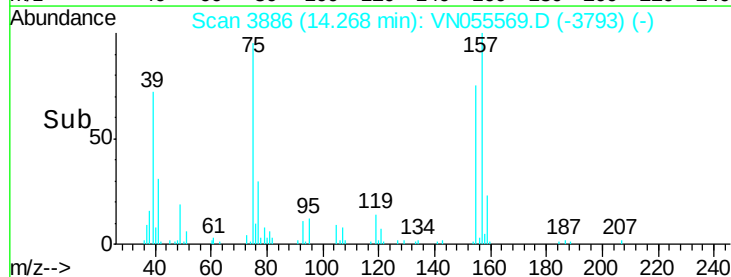
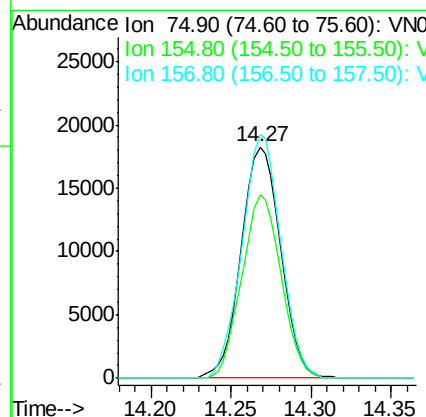
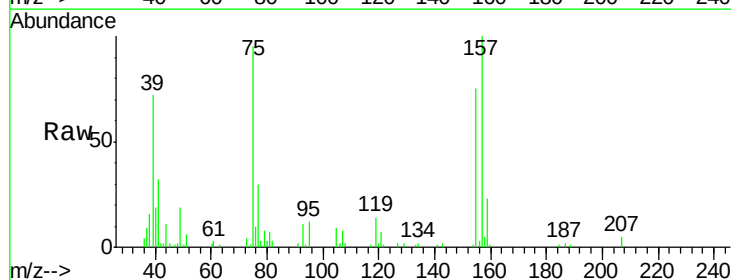
Manual Integrations
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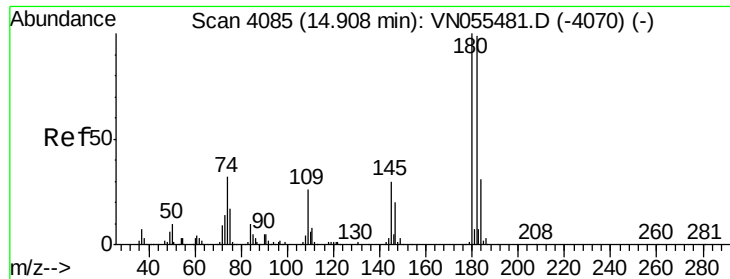
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.520 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30819		
155	78.4	39.3	117.8	
157	103.1	50.6	151.8	





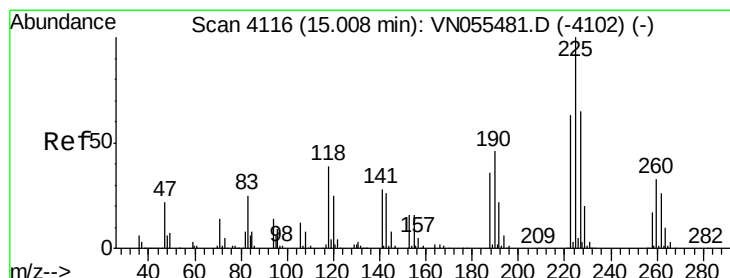
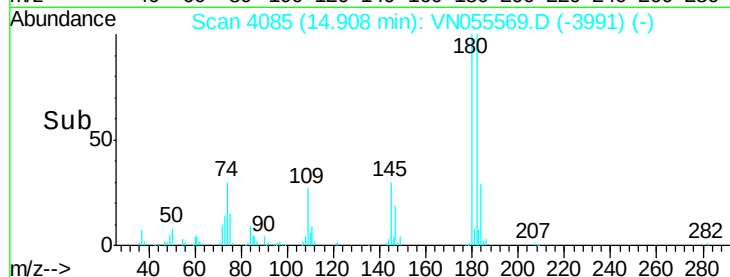
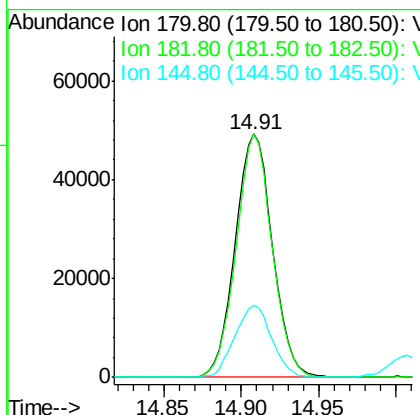
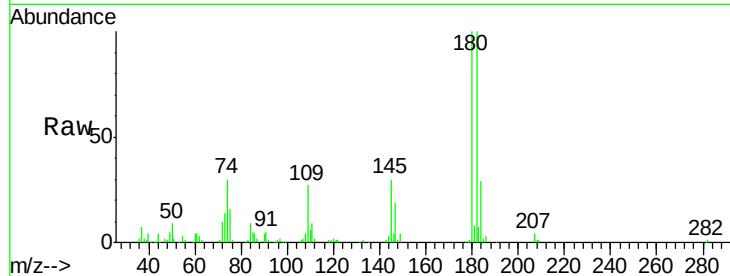
#93
 1,2,4-Trichlorobenzene
 Concen: 16.781 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	82228		
182	96.2	48.7	146.1	
145	29.4	15.3	45.9	

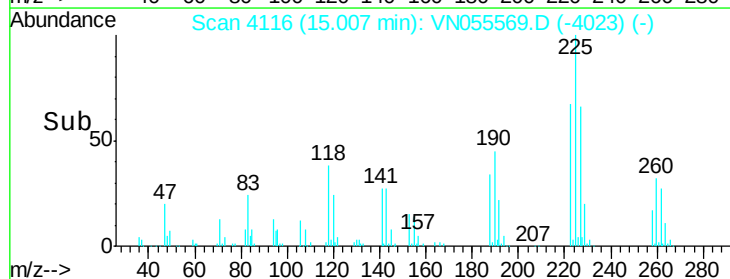
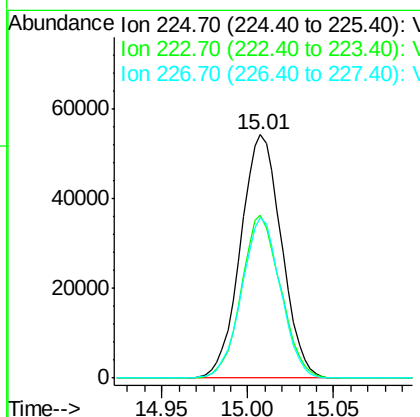
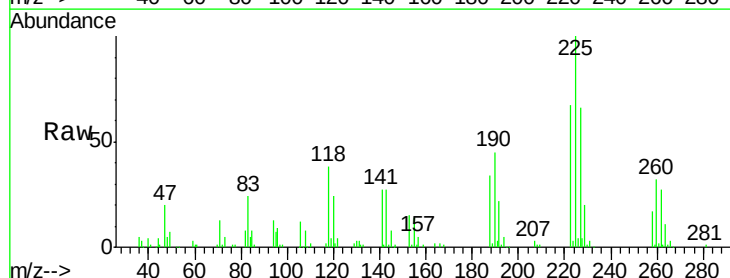
Manual Integrations
 APPROVED

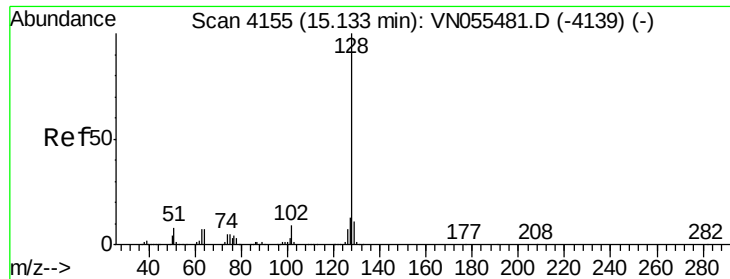
MMDadoda
 5/14/2019 9:42:26 AM



#94
 Hexachlorobutadiene
 Concen: 21.960 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89640		
223	64.1	31.4	94.3	
227	62.6	32.0	96.0	





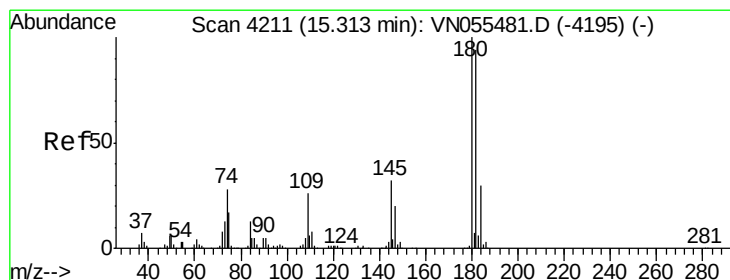
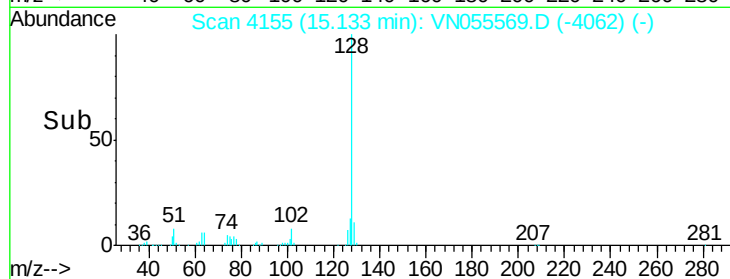
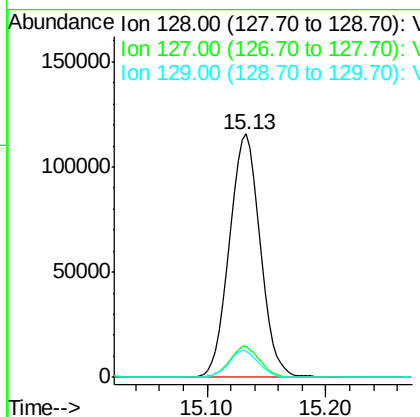
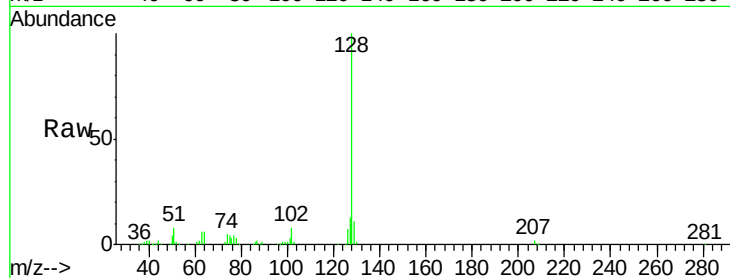
#95
Naphthalene
Concen: 15.216 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	208066		
127	12.4		10.0	15.0
129	10.7		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/14/2019 9:42:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 16.942 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	93666		
182	97.0		47.1	141.3
145	31.3		15.8	47.4

