

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054618.D
 Acq On : 23 Mar 2019 22:23
 Operator : JC/SP
 Sample : VN0323MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBS01

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 10:07:41 AM

Quant Time: Mar 25 04:48:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	404468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	679886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	588923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	246571	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	286270	56.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.80%	
35) Dibromofluoromethane	7.59	113	218664	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
50) Toluene-d8	10.09	98	815440	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.40	95	270733	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	80696	20.870	ug/l	97
3) Chloromethane	2.06	50	115231	21.903	ug/l	99
4) Vinyl Chloride	2.19	62	108177	20.481	ug/l	98
5) Bromomethane	2.57	94	58698	17.186	ug/l	98
6) Chloroethane	2.71	64	60698	19.159	ug/l	96
7) Trichlorofluoromethane	3.02	101	129700	20.220	ug/l	99
8) Diethyl Ether	3.41	74	45335	18.377	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	3.75	101	67374	17.872	ug/l	91
10) Methyl Iodide	3.94	142	97388	17.562	ug/l #	89
11) Tert butyl alcohol	4.82	59	35211	115.603	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	67843	17.390	ug/l #	71
13) Acrolein	3.61	56	7559	17.984	ug/l	83
14) Allyl chloride	4.32	41	155106	21.113	ug/l #	94
15) Acrylonitrile	5.00	53	170857	112.643	ug/l	98
16) Acetone	3.82	43	127977	84.610	ug/l #	81
17) Carbon Disulfide	4.04	76	197661	18.909	ug/l	100
18) Methyl Acetate	4.33	43	79551	23.596	ug/l	91
19) Methyl tert-butyl Ether	5.05	73	252530	22.180	ug/l	95
20) Methylene Chloride	4.55	84	96736	21.696	ug/l #	86
21) trans-1,2-Dichloroethene	5.03	96	84659	21.252	ug/l	85
22) Diisopropyl ether	5.96	45	336498	23.222	ug/l #	95
23) Vinyl Acetate	5.90	43	1192798	116.551	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	178458	22.873	ug/l	98
25) 2-Butanone	6.85	43	215267	111.101	ug/l #	88
26) 2,2-Dichloropropane	6.83	77	92350	16.605	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	101890	21.444	ug/l	91
28) Bromochloromethane	7.19	49	91093	23.720	ug/l #	71
29) Tetrahydrofuran	7.22	42	150165	119.429	ug/l #	85
30) Chloroform	7.37	83	171054	22.465	ug/l	98
31) Cyclohexane	7.65	56	161863	20.557	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	140603	22.383	ug/l	96
36) 1,1-Dichloropropene	7.79	75	123211	19.382	ug/l	96
37) Ethyl Acetate	6.94	43	99731	22.058	ug/l	95
38) Carbon Tetrachloride	7.77	117	118702	19.215	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	127496	17.533	ug/l	88
40) Benzene	8.04	78	374234	20.587	ug/l	99
41) Methacrylonitrile	7.18	41	45533	16.513	ug/l #	90
42) 1,2-Dichloroethane	8.13	62	141007	21.300	ug/l	97
43) Isopropyl Acetate	8.17	43	167288	21.908	ug/l #	93
44) Trichloroethene	8.83	130	98213	19.433	ug/l	92
45) 1,2-Dichloropropane	9.12	63	107050	21.931	ug/l	98
46) Dibromomethane	9.21	93	60300	20.707	ug/l	90
47) Bromodichloromethane	9.40	83	129021	21.349	ug/l	99
48) Methyl methacrylate	9.20	41	86960	20.982	ug/l	87
49) 1,4-Dioxane	9.20	88	20061	432.978	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	473586	111.911	ug/l	93
52) Toluene	10.16	92	219886	19.667	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	111233	18.901	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	137584	19.855	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	85579	21.294	ug/l	98
56) Ethyl methacrylate	10.43	69	114026	21.138	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	148004	21.185	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	208090	93.682	ug/l	89
59) 2-Hexanone	10.75	43	293903	106.326	ug/l	91
60) Dibromochloromethane	10.90	129	88987	20.808	ug/l	98
61) 1,2-Dibromoethane	11.00	107	81431	20.495	ug/l	100
64) Tetrachloroethene	10.63	164	91750	18.782	ug/l	95
65) Chlorobenzene	11.43	112	237164	19.800	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88100	20.492	ug/l	96
67) Ethyl Benzene	11.51	91	419508	19.827	ug/l	96
68) m/p-Xylenes	11.62	106	308208	38.457	ug/l	96
69) o-Xylene	11.95	106	152746	19.516	ug/l	96
70) Styrene	11.96	104	251076	19.754	ug/l	97
71) Bromoform	12.13	173	52094	19.015	ug/l #	99
73) Isopropylbenzene	12.25	105	397732	20.017	ug/l	99
74) N-amyl acetate	12.07	43	130833	22.901	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	104079	22.947	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	92726m	23.699	ug/l	
77) Bromobenzene	12.53	156	99237	20.138	ug/l	86
78) n-propylbenzene	12.59	91	431422	20.024	ug/l	97
79) 2-Chlorotoluene	12.67	91	268595	19.991	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	327023	20.082	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	18284	18.259	ug/l #	71
82) 4-Chlorotoluene	12.77	91	261860	20.107	ug/l	95
83) tert-Butylbenzene	12.99	119	286481	20.211	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	322805	20.202	ug/l	97
85) sec-Butylbenzene	13.17	105	349803	19.796	ug/l	97
86) p-Isopropyltoluene	13.29	119	302397	19.129	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	161584	19.787	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	155777	19.606	ug/l	97
89) n-Butylbenzene	13.61	91	228726	18.503	ug/l	97
90) Hexachloroethane	13.87	117	49975	20.366	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	163272	20.642	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15089	22.681	ug/l	82

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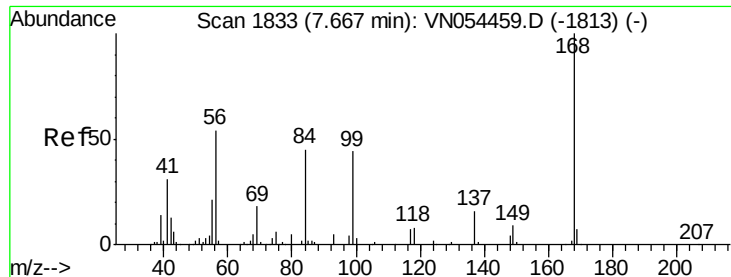
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	71881	18.230	ug/l	98
94) Hexachlorobutadiene	15.01	225	45610	19.054	ug/l	99
95) Naphthalene	15.13	128	165889	18.861	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	74776	19.054	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBS01

Tot Ion:168 Resp: 404468

Ion Ratio Lower Upper

168 100

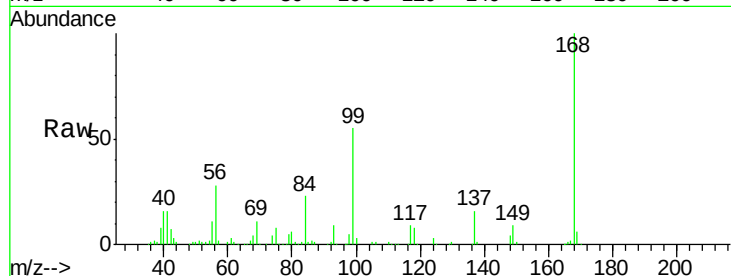
99 54.3 37.1 55.7

Manual Integrations

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3/25/2019 10:07:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

150000

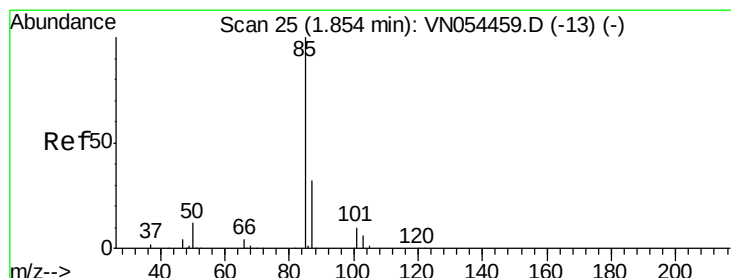
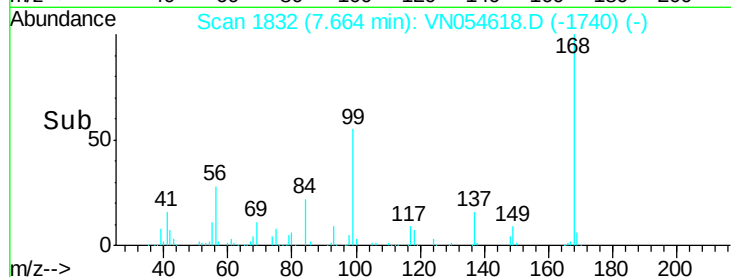
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.870 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054618.D

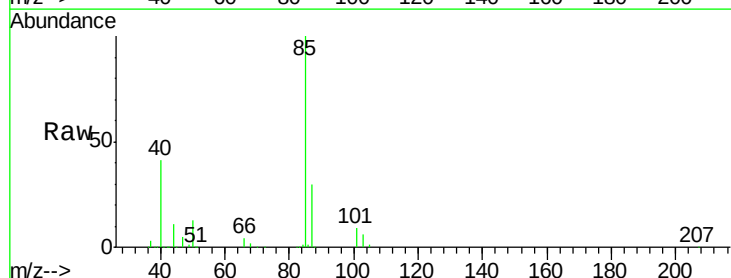
Acq: 23 Mar 2019 22:23

Tgt Ion: 85 Resp: 80696

Ion Ratio Lower Upper

85 100

87 30.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

60000

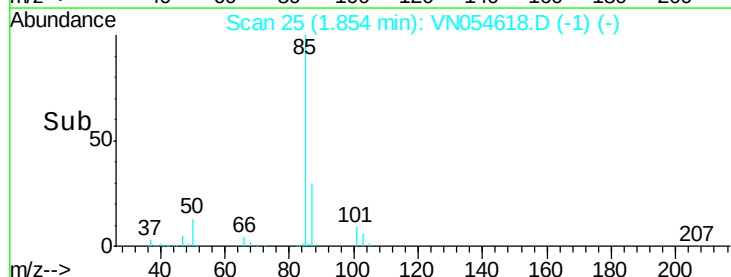
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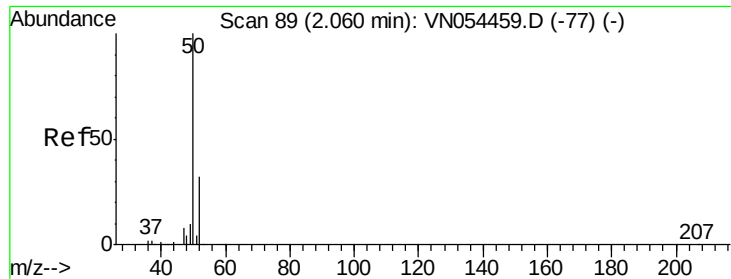
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.903 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBS01

Tot Ion: 50 Resp: 115231

Ion Ratio Lower Upper

50 100

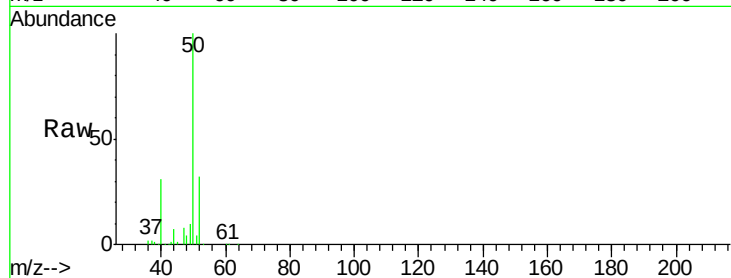
52 32.3 26.4 39.6

Manual Integrations

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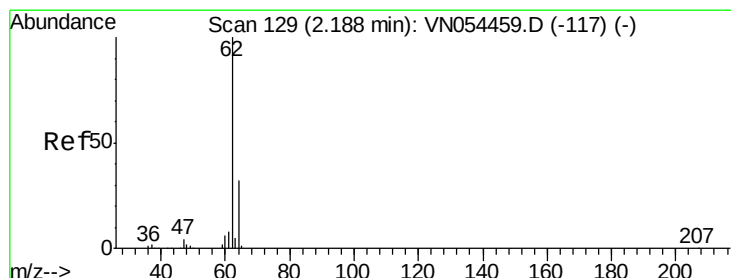
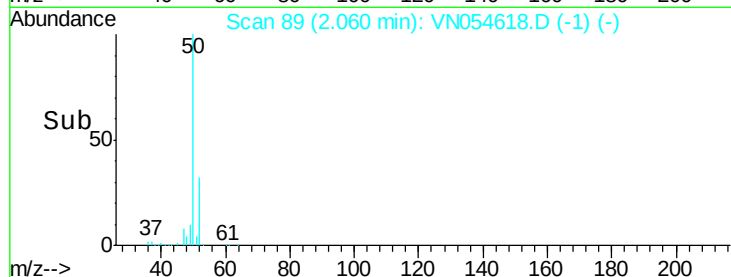
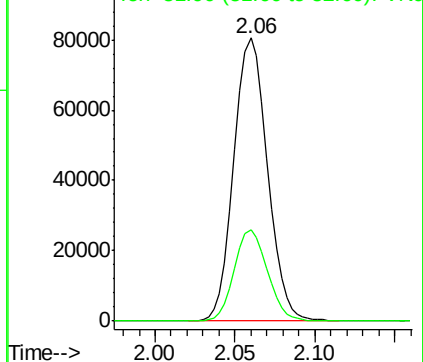
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.481 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054618.D

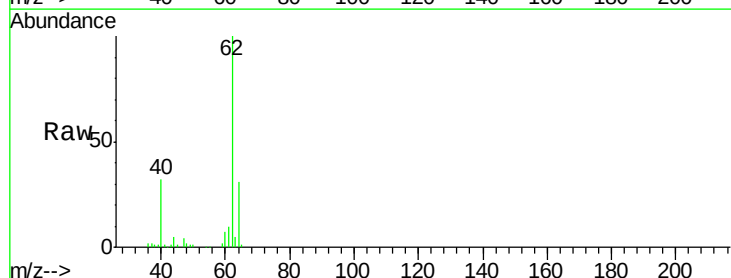
Acq: 23 Mar 2019 22:23

Tgt Ion: 62 Resp: 108177

Ion Ratio Lower Upper

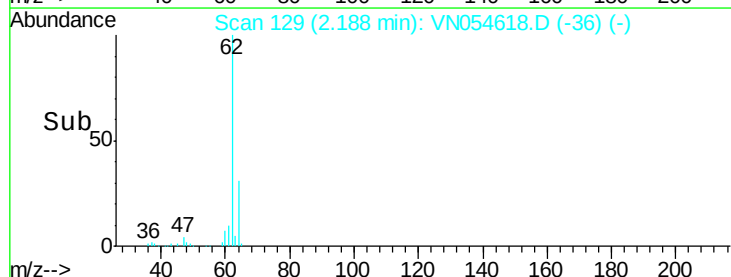
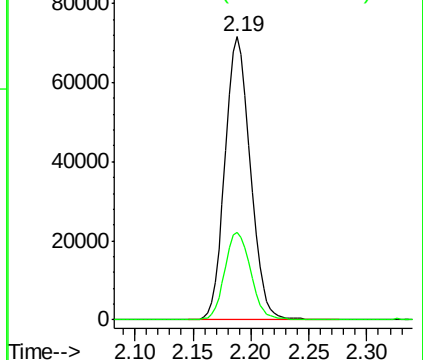
62 100

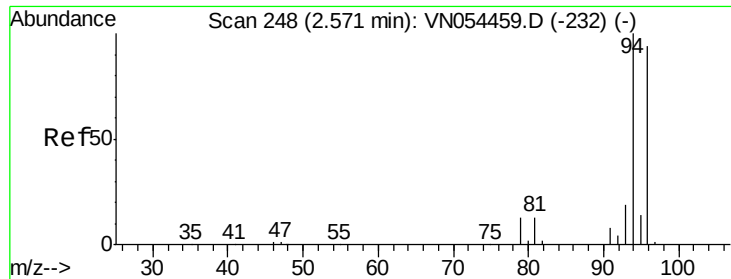
64 30.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.186 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBS01

Tot Ion: 94 Resp: 58698

Ion Ratio Lower Upper

94 100

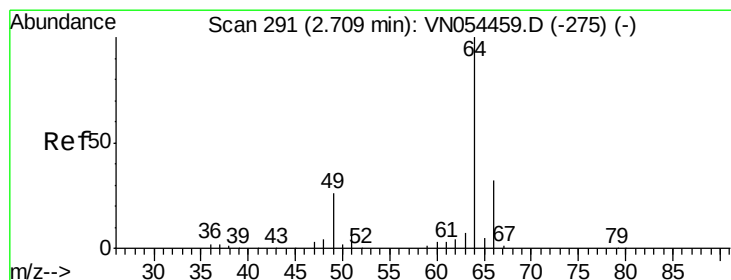
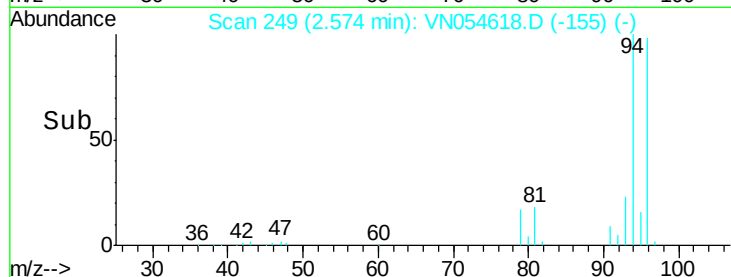
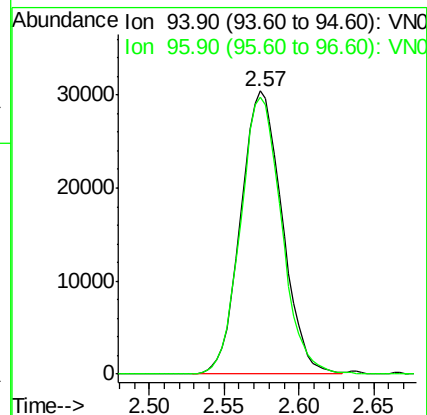
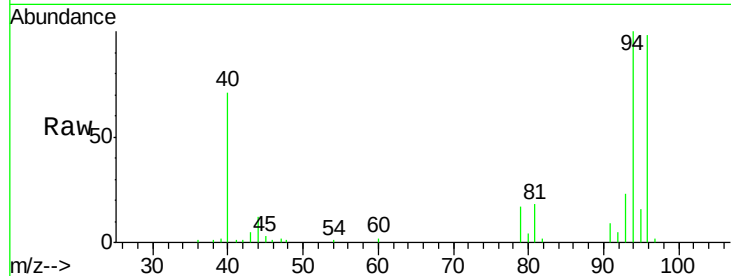
96 98.1 77.0 115.4

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#6

Chloroethane

Concen: 19.159 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054618.D

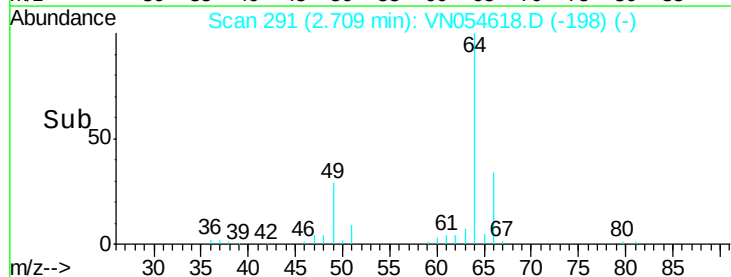
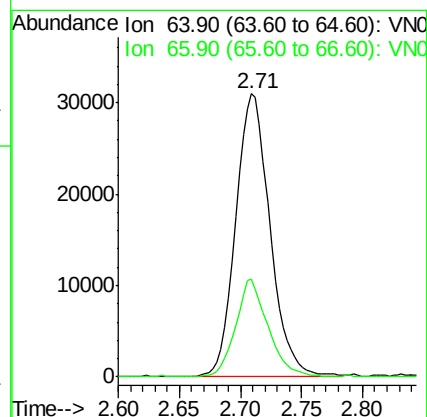
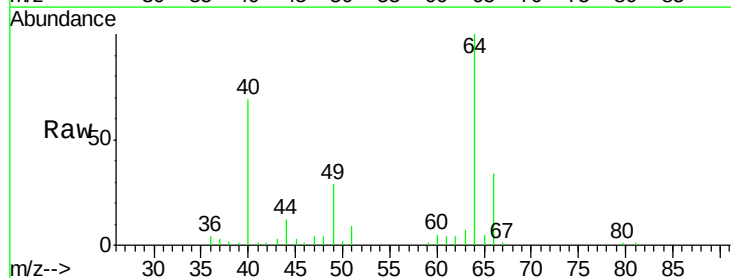
Acq: 23 Mar 2019 22:23

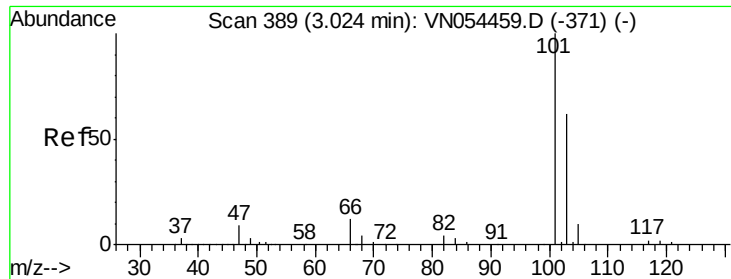
Tgt Ion: 64 Resp: 60698

Ion Ratio Lower Upper

64 100

66 34.4 25.7 38.5





#7

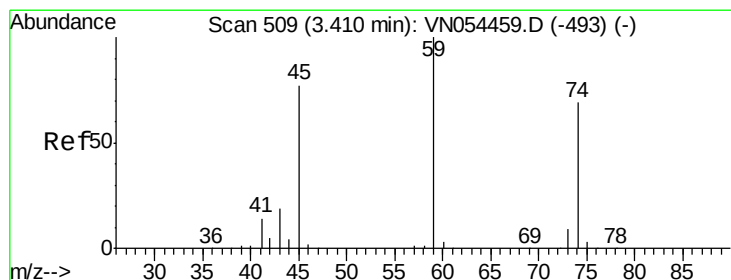
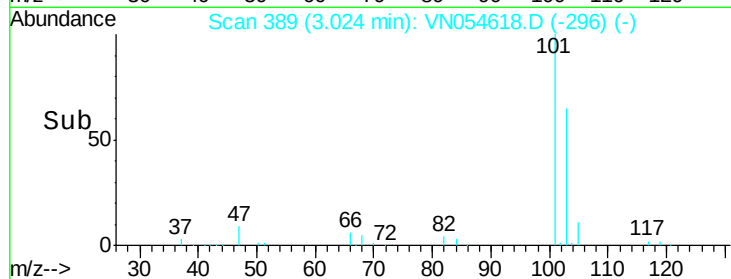
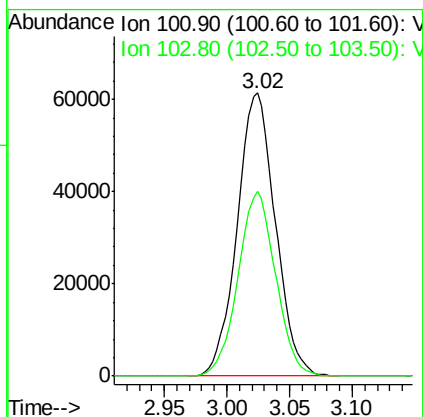
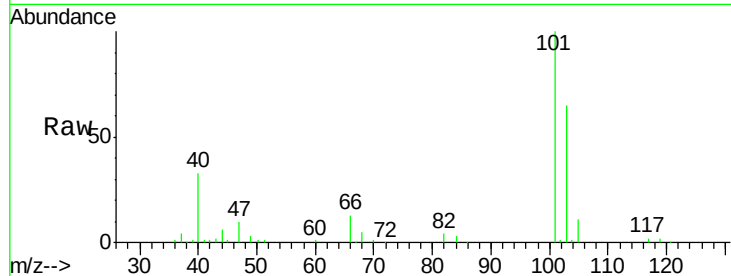
Trichlorofluoromethane
Concen: 20.220 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.4	77.2

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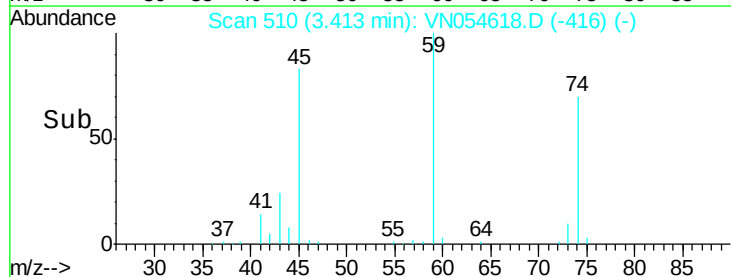
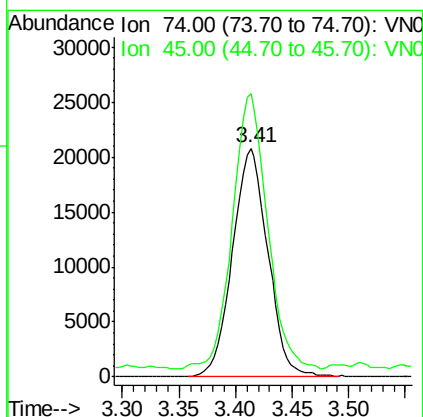
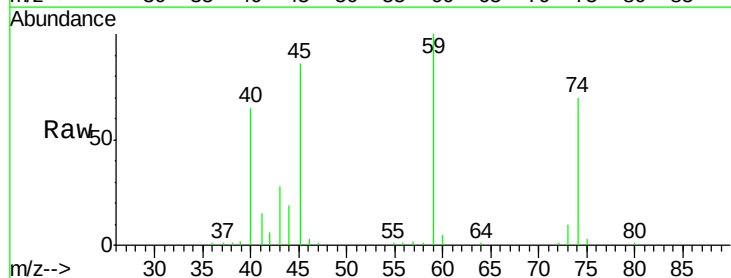
MMDadoda
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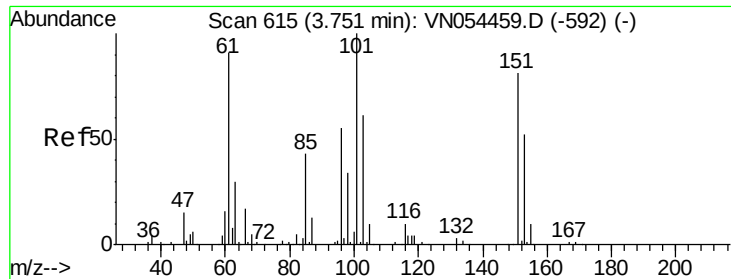


#8

Diethyl Ether
Concen: 18.377 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.8	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.872 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

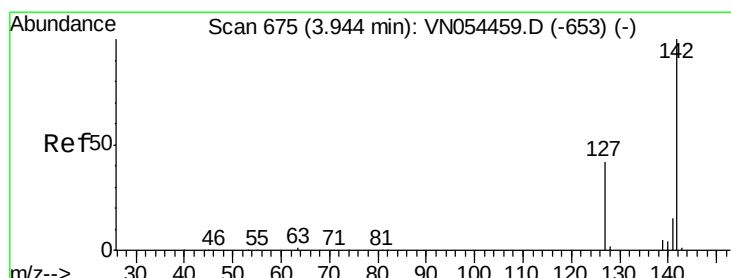
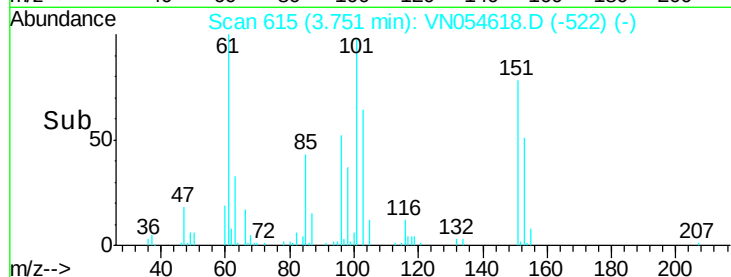
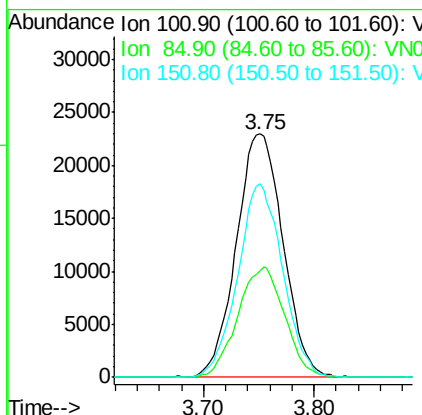
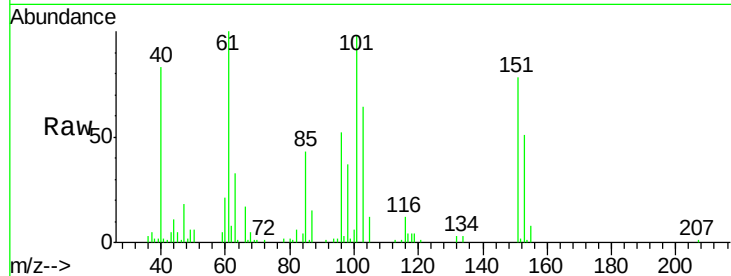
ClientSampled :

VN0323MBS01

Tot Ion:	101	Resp:	67374
Ion Ratio	Lower	Upper	
101	100		
85	45.4	32.4	48.6
151	76.6	68.2	102.2

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#10

Methyl Iodide

Concen: 17.562 ug/l

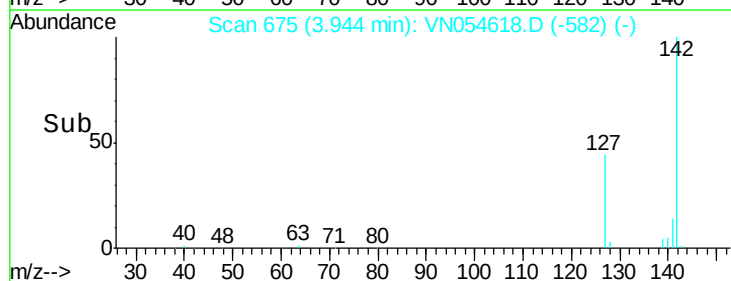
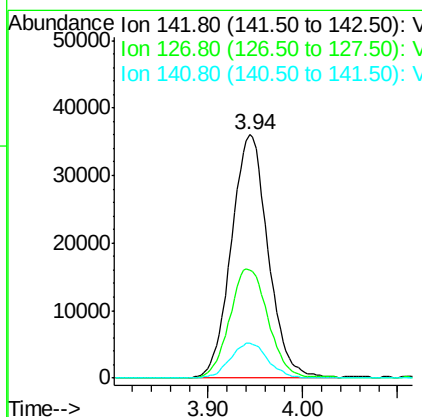
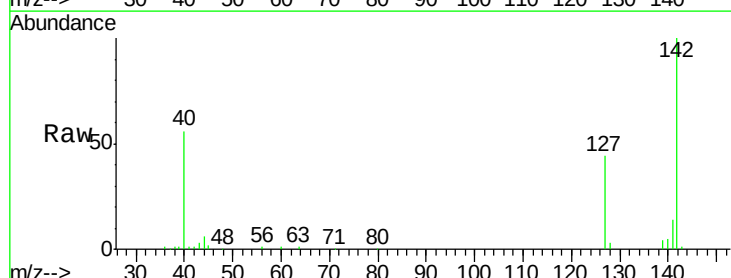
RT: 3.94 min Scan# 675

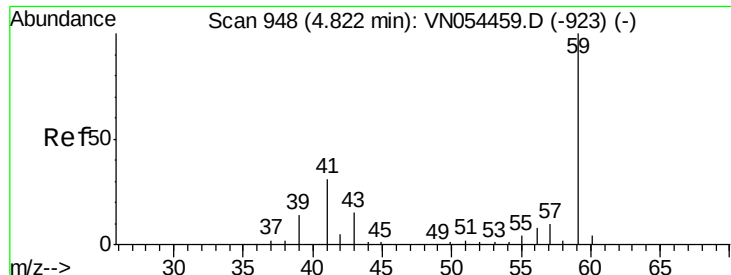
Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Tgt Ion:	142	Resp:	97388
Ion Ratio	Lower	Upper	
142	100		
127	46.7	30.3	45.5#
141	14.7	11.2	16.8





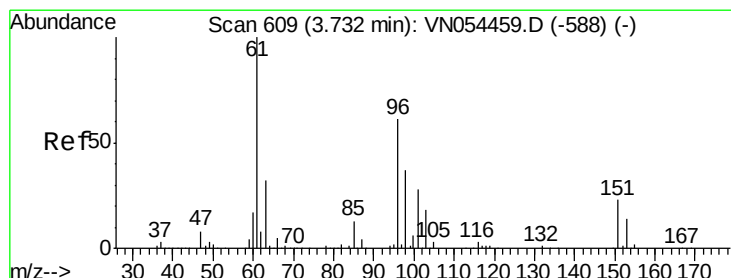
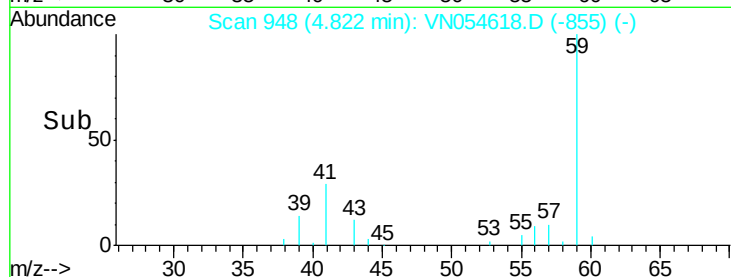
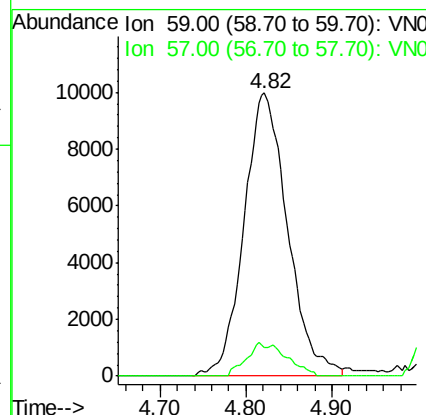
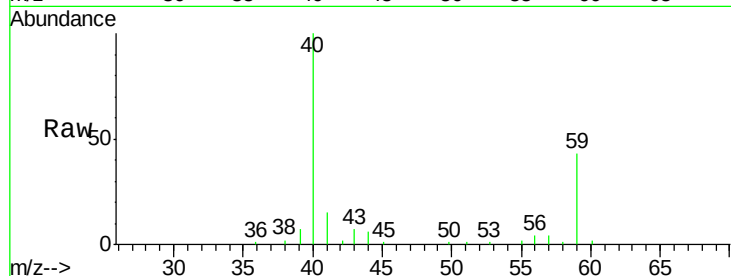
#11
Tert butyl alcohol
Concen: 115.603 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.5	9.0	13.6#

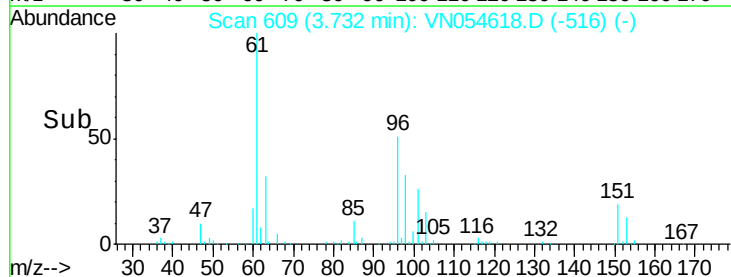
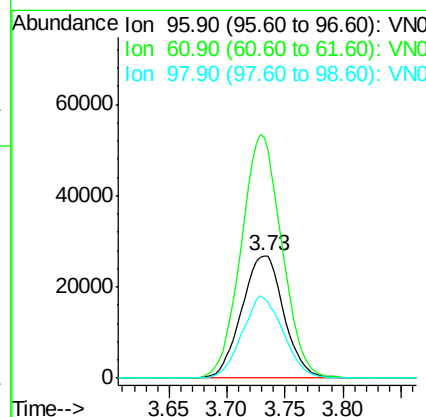
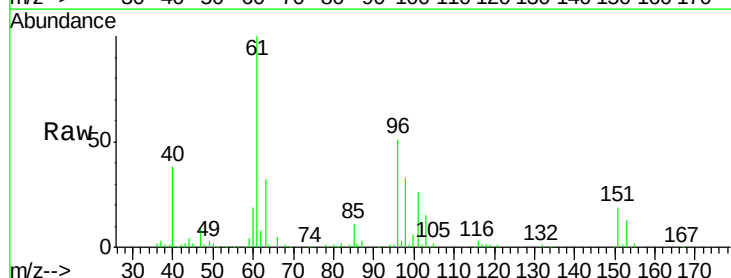
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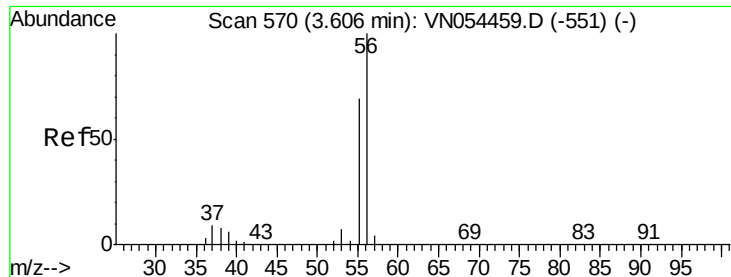
MMDadoda
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#12
1,1-Dichloroethene
Concen: 17.390 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	196.9	116.5	174.7#
98	65.4	51.0	76.4





#13

Acrolein

Concen: 17.984 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBS01

Tot Ion: 56 Resp: 7559

Ion Ratio Lower Upper

56 100

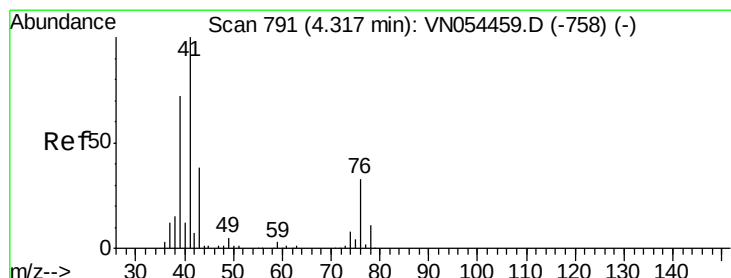
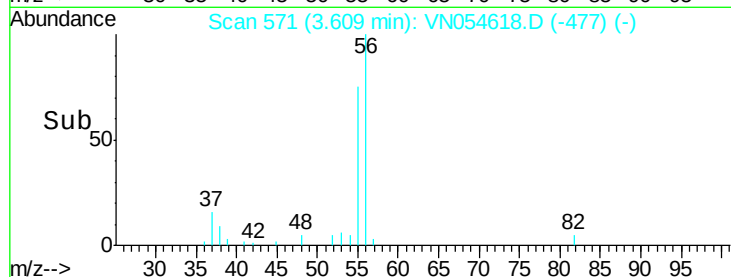
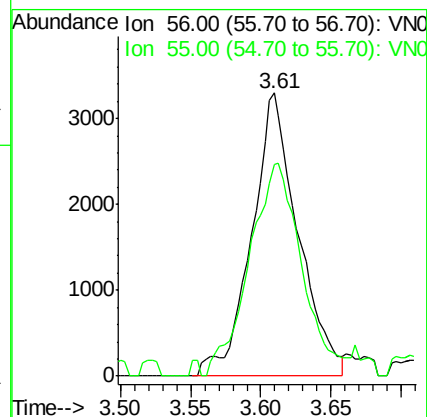
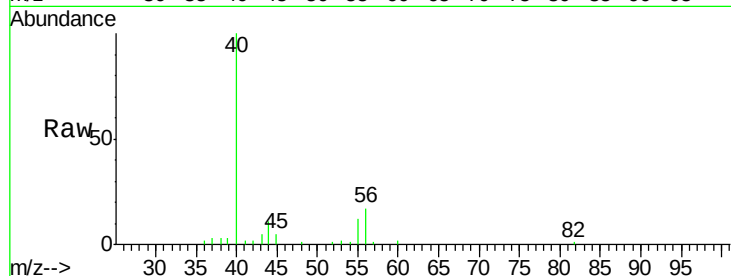
55 84.7 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 21.113 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

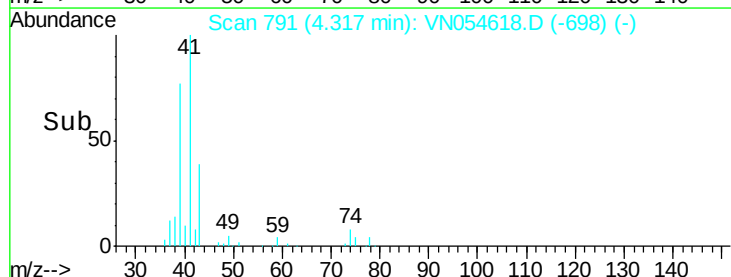
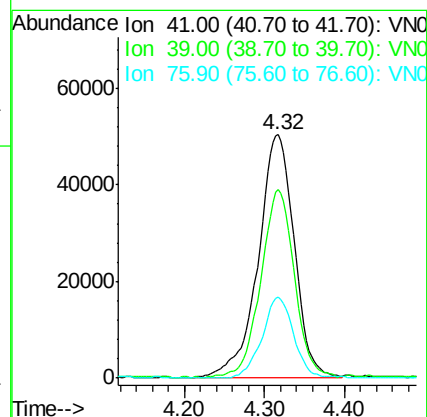
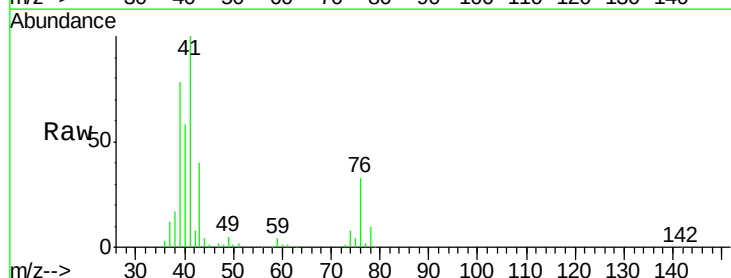
Tgt Ion: 41 Resp: 155106

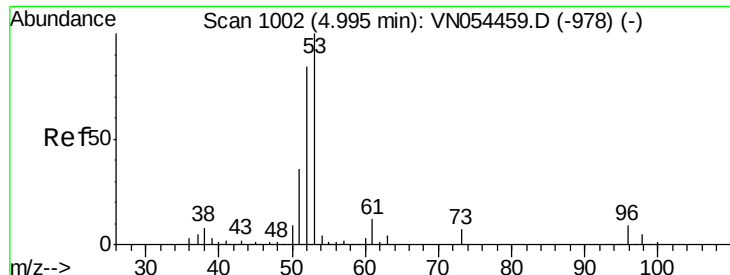
Ion Ratio Lower Upper

41 100

39 73.3 58.2 87.4

76 29.3 31.7 47.5#





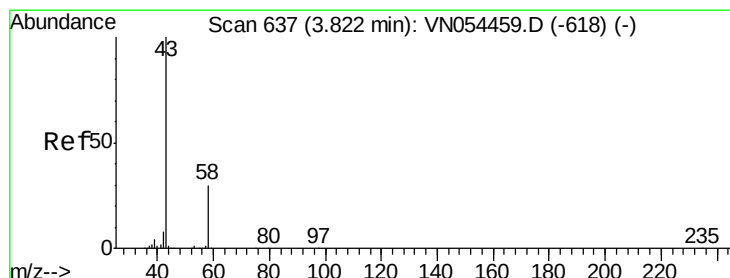
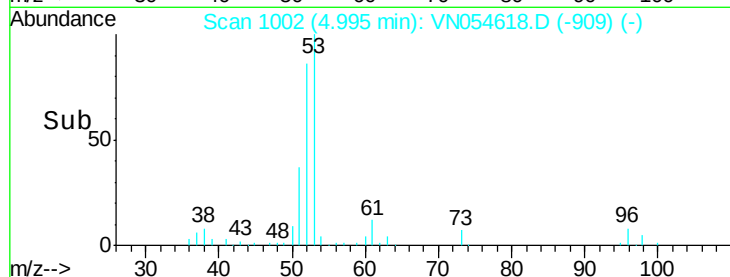
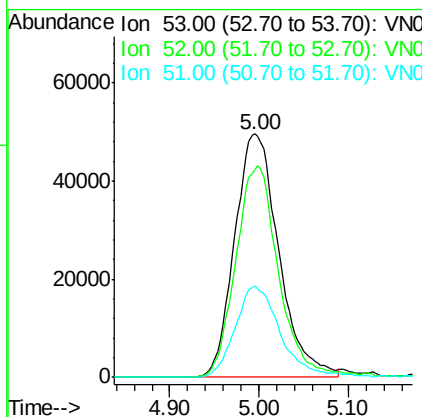
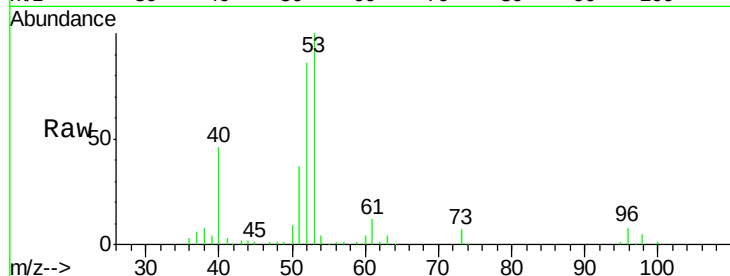
#15
 Acrylonitrile
 Concen: 112.643 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.4	99.6
51	38.5	29.6	44.4

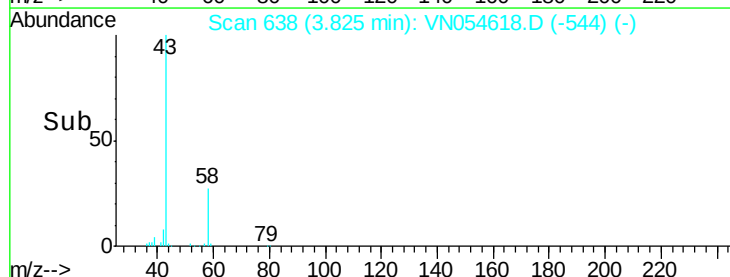
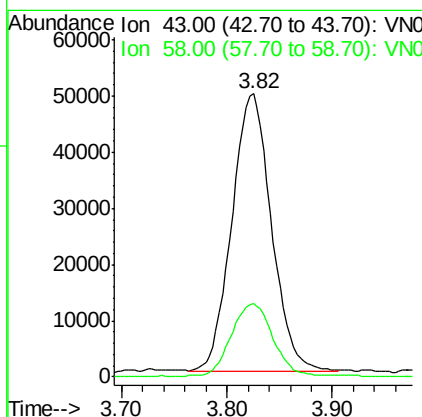
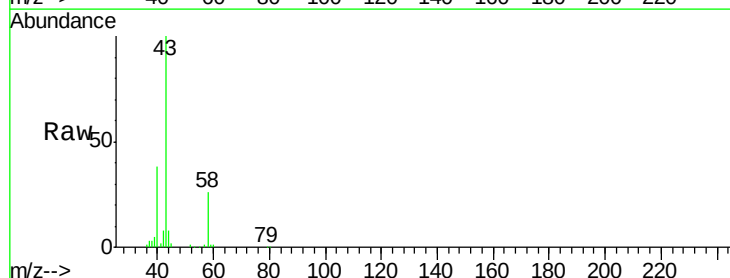
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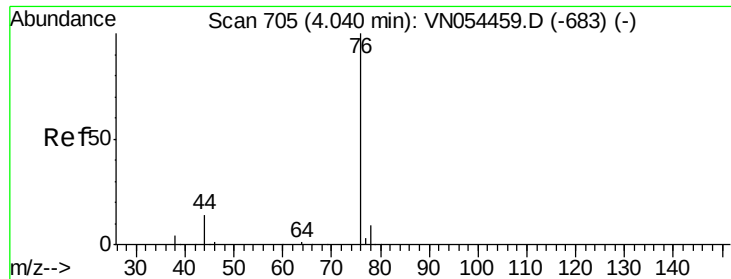
MMDadoda
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#16
 Acetone
 Concen: 84.610 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.0	29.9	44.9#





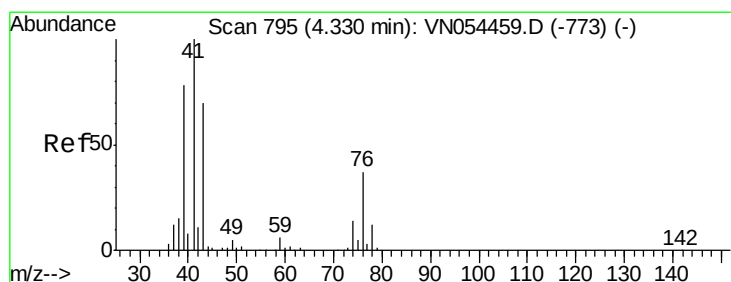
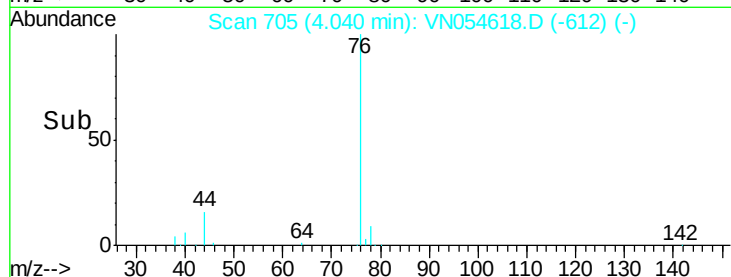
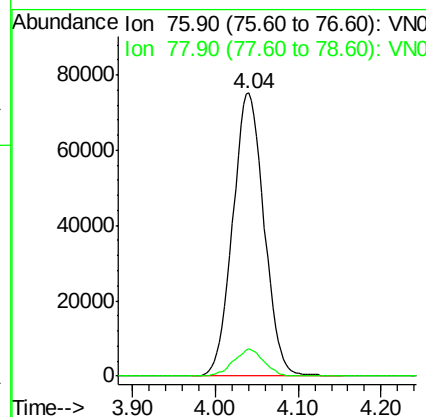
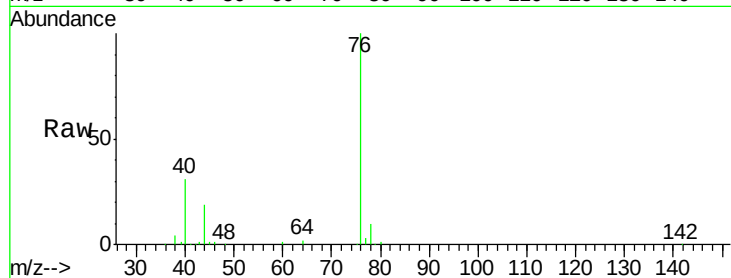
#17
Carbon Disulfide
Concen: 18.909 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.5	11.3

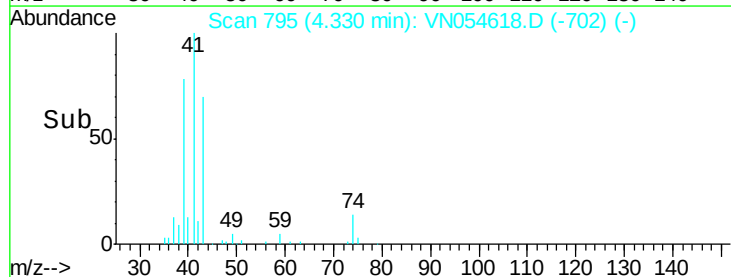
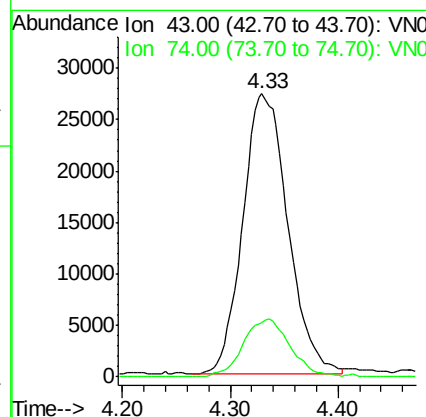
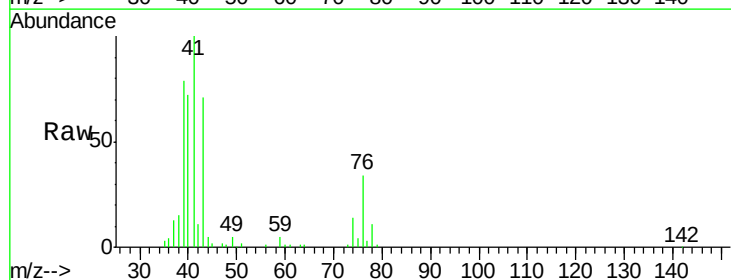
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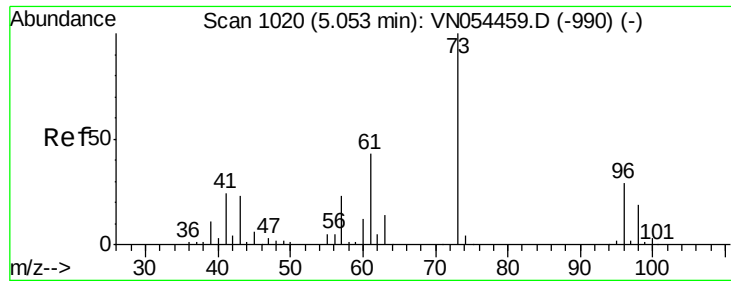
MMDadoda
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#18
Methyl Acetate
Concen: 23.596 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	20.8	31.2





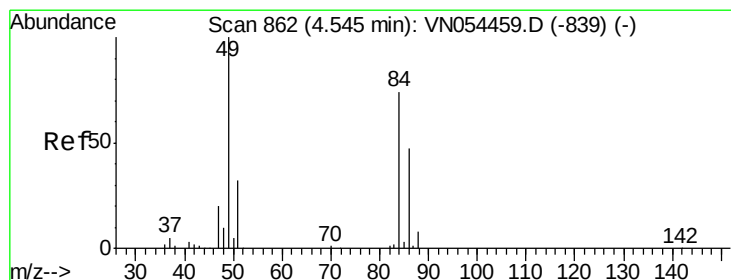
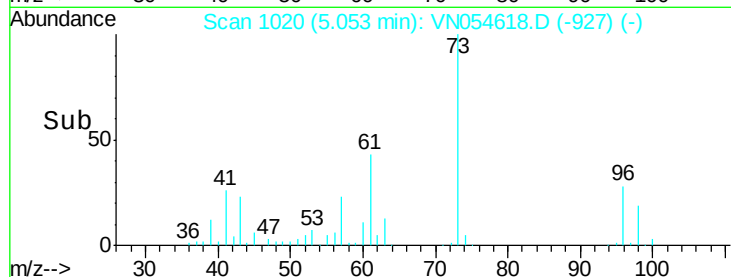
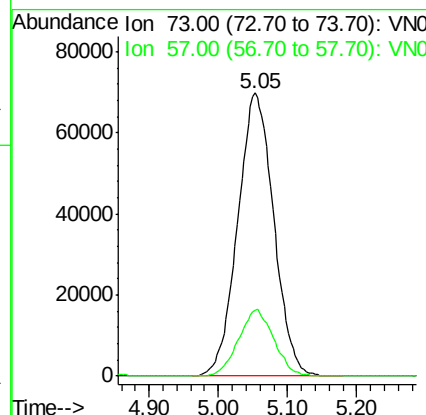
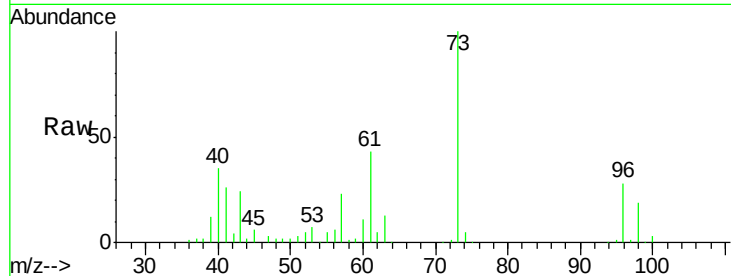
#19
Methvl tert-butvl Ether
Concen: 22.180 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	16.8	25.2

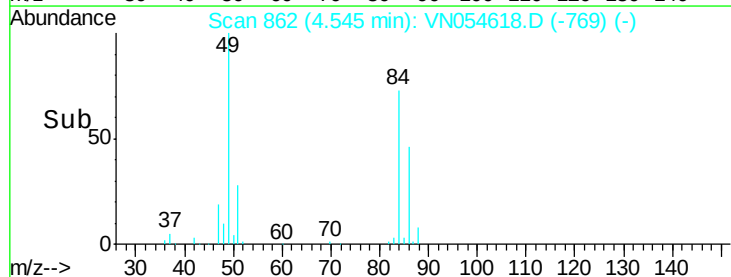
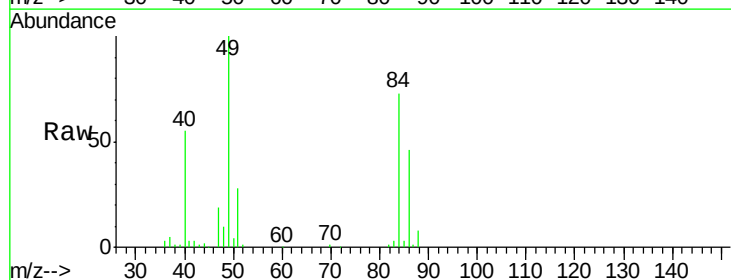
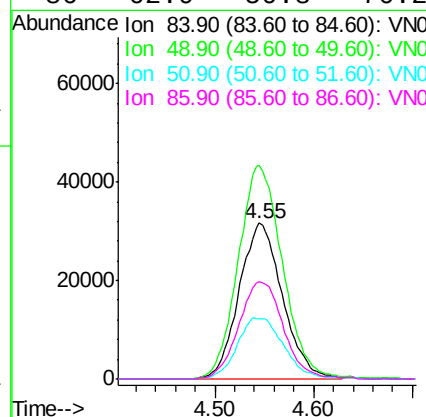
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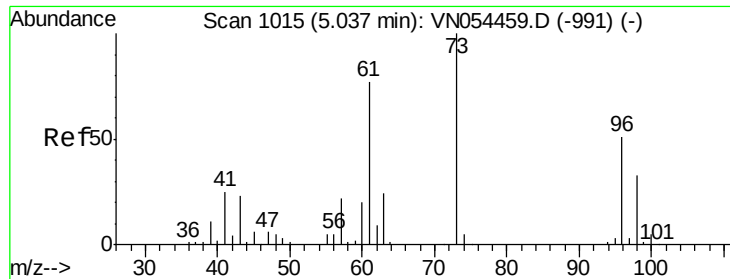
MMDadoda
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#20
Methylene Chloride
Concen: 21.696 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.2	89.7	134.5#
51	38.5	28.2	42.4
86	62.9	50.8	76.2





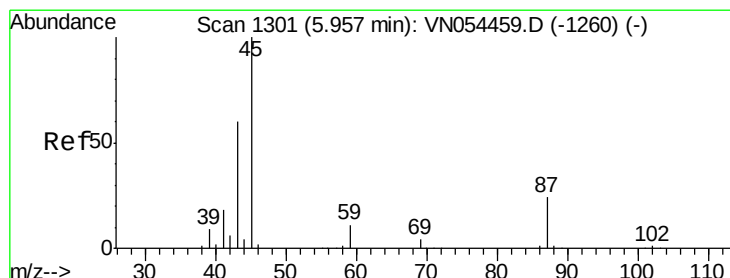
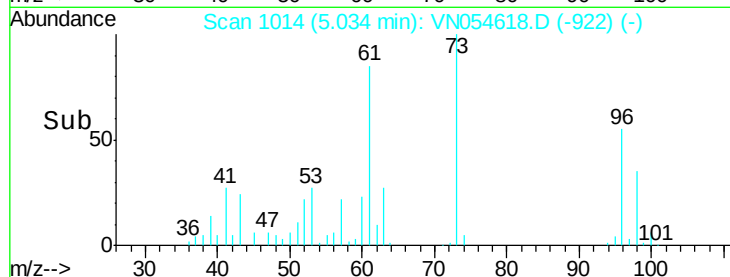
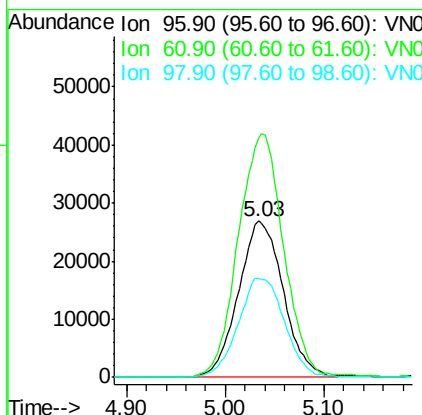
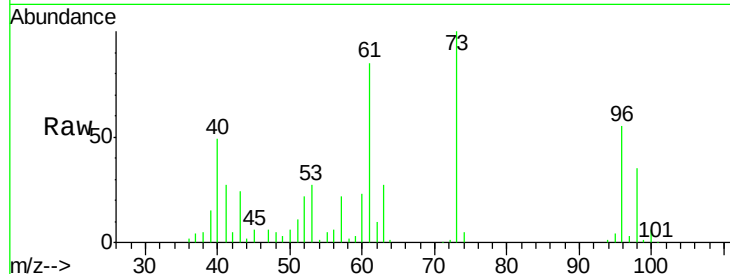
#21
trans-1,2-Dichloroethene
Concen: 21.252 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampled :
VN0323MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.4	102.8	154.2
98	63.2	50.0	75.0

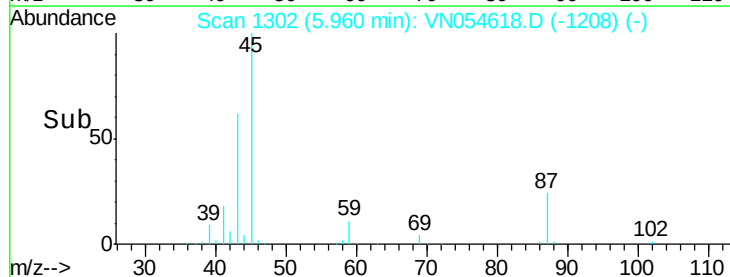
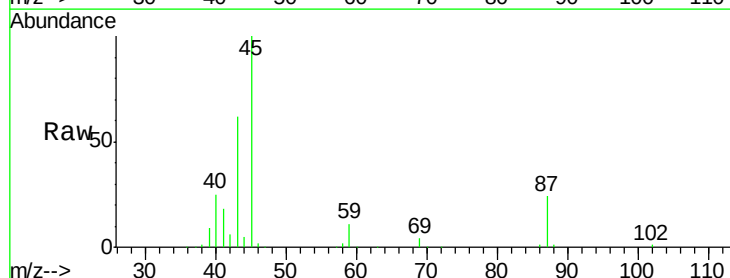
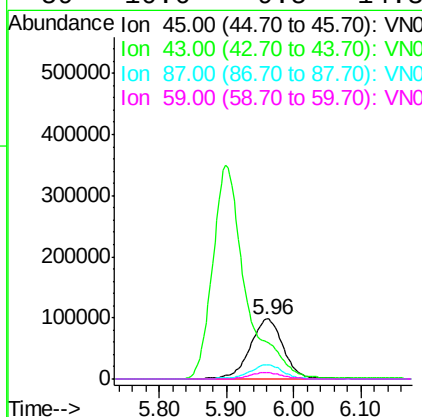
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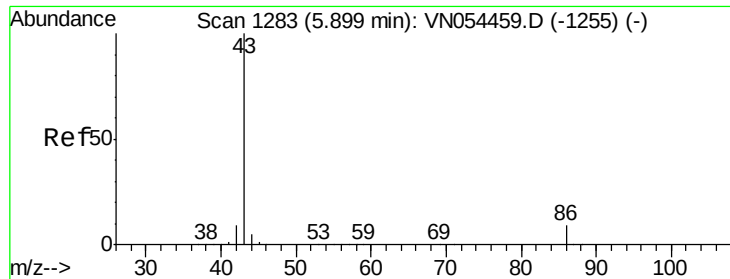
MMDadoda
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#22
Diisopropyl ether
Concen: 23.222 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.6	48.2	72.2
87	23.3	24.9	37.3
59	10.6	9.5	14.3





#23

Vinyl Acetate

Concen: 116.551 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBS01

Tot Ion: 43 Resp: 1192798

Ion Ratio Lower Upper

43 100

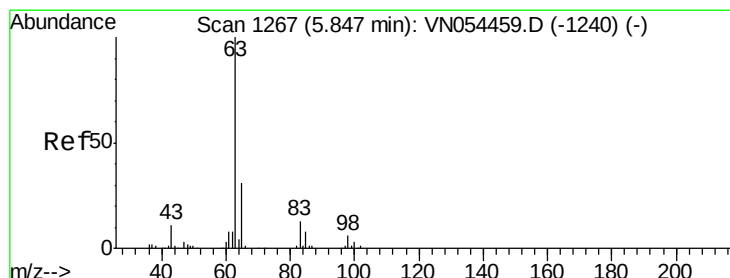
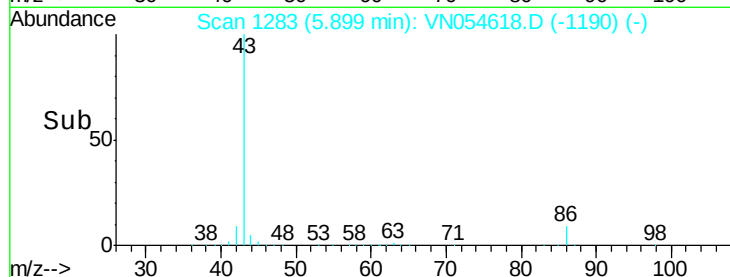
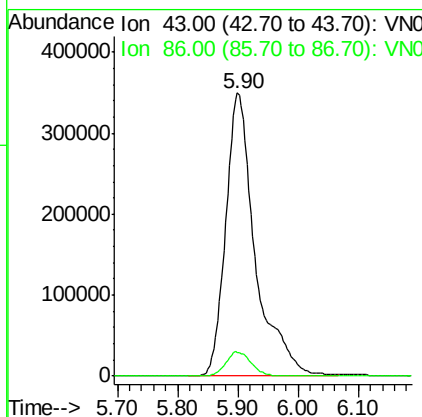
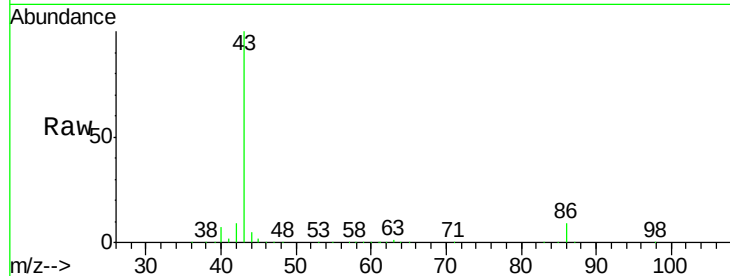
86 8.5 9.1 13.7#

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#24

1,1-Dichloroethane

Concen: 22.873 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

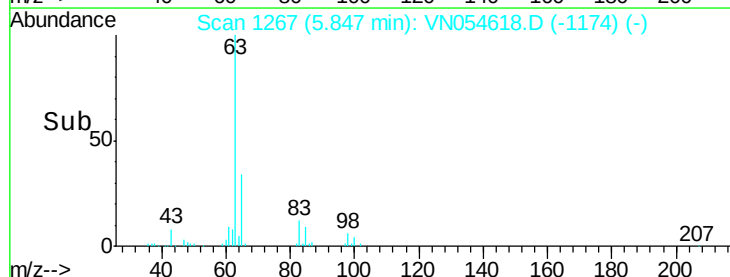
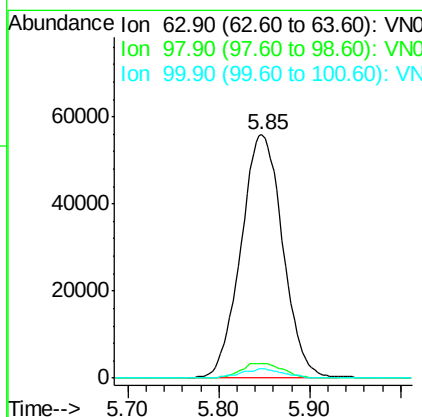
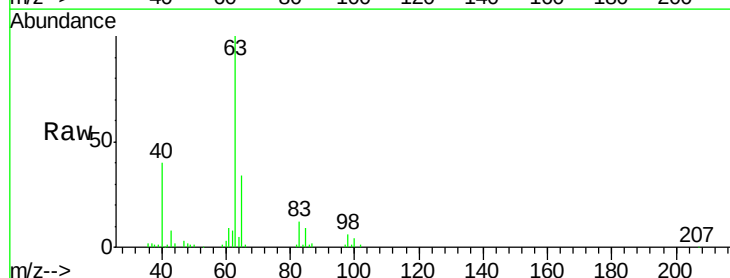
Tgt Ion: 63 Resp: 178458

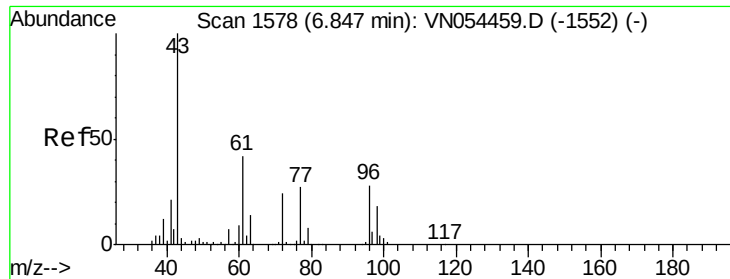
Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.5

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 111.101 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampled :

VN0323MBS01

Tot Ion: 43 Resp: 215267

Ion Ratio Lower Upper

43 100

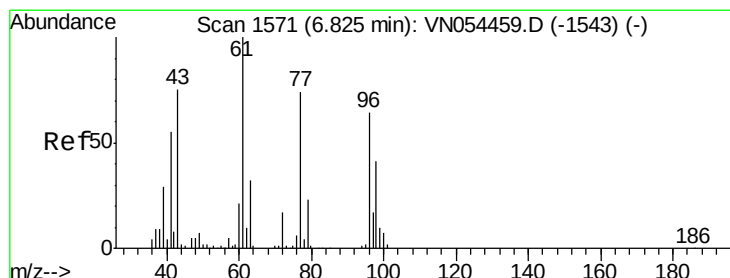
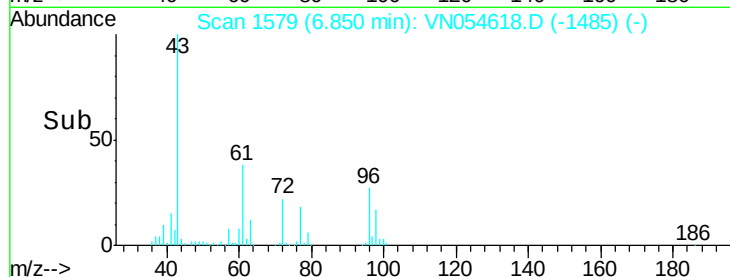
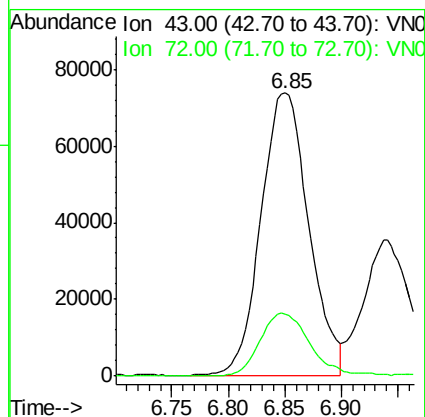
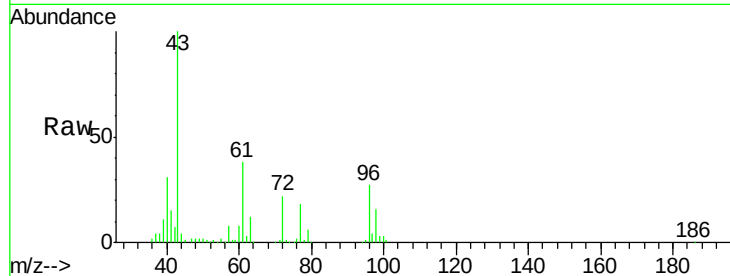
72 22.2 23.0 34.6#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.605 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054618.D

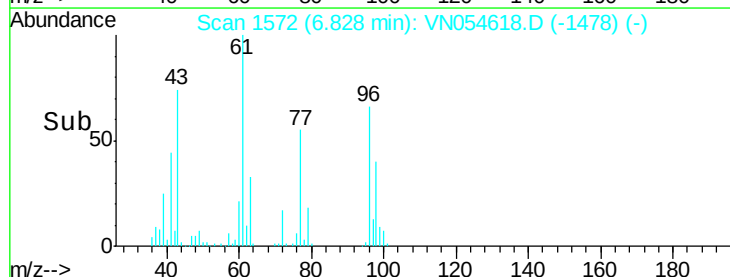
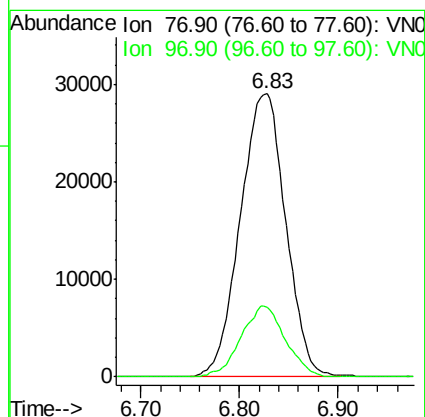
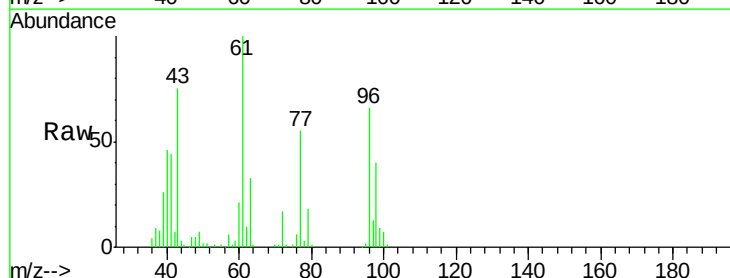
Acq: 23 Mar 2019 22:23

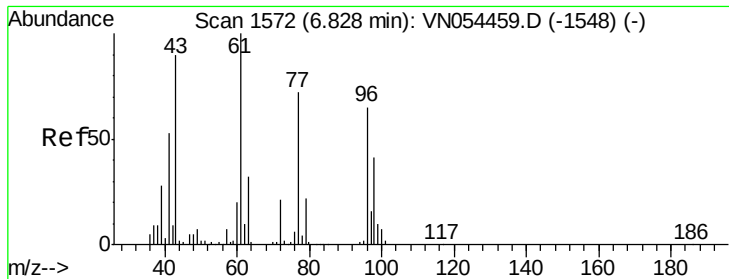
Tgt Ion: 77 Resp: 92350

Ion Ratio Lower Upper

77 100

97 24.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.444 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

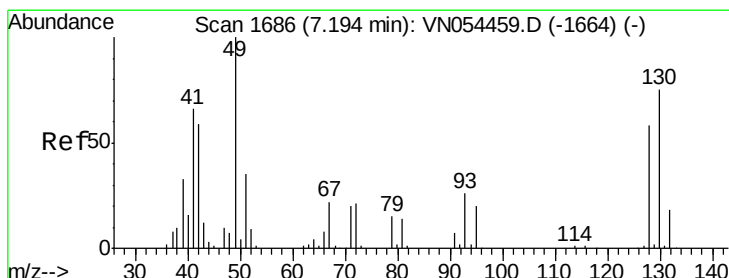
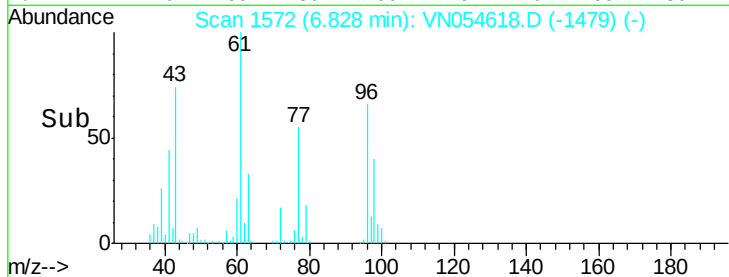
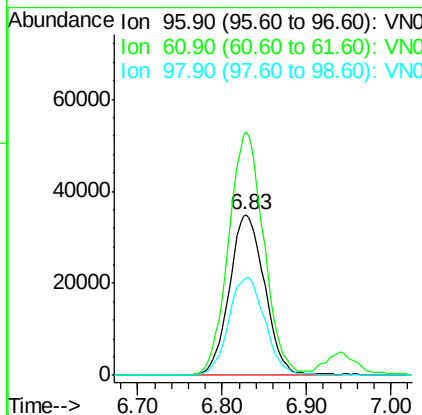
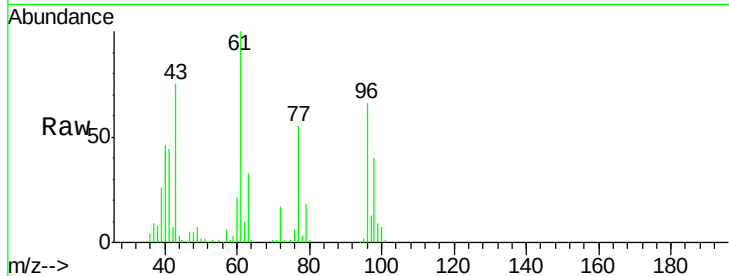
ClientSampleId :

VN0323MBS01

Tot Ion:	96	Resp:	101890
Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	273.0
98	61.9	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 23.720 ug/l

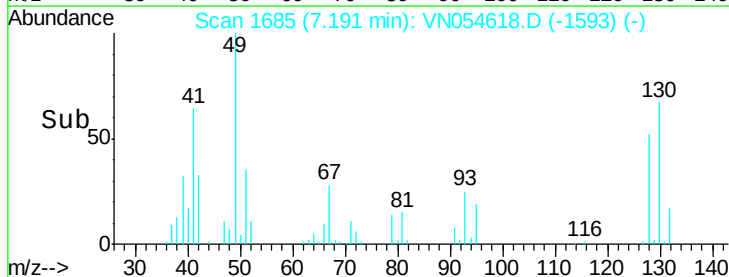
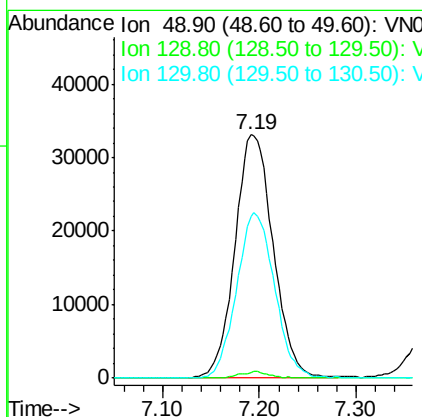
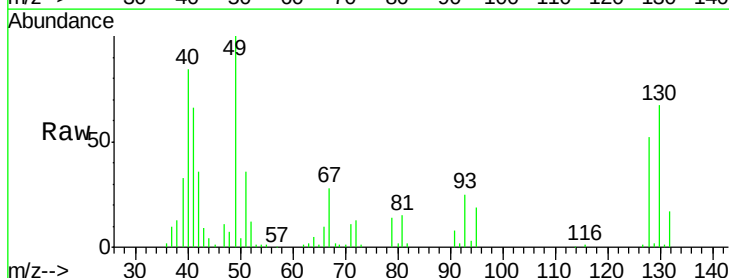
RT: 7.19 min Scan# 1685

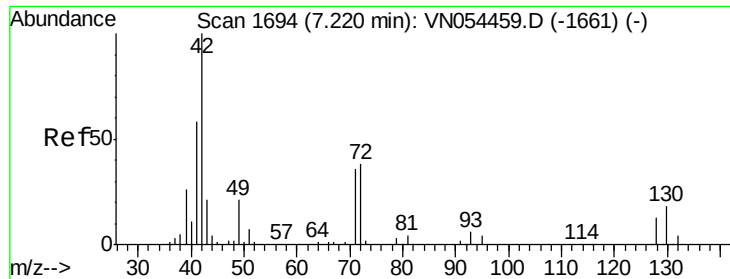
Delta R.T. -0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Tgt Ion:	49	Resp:	91093
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	67.1	76.7	115.1#





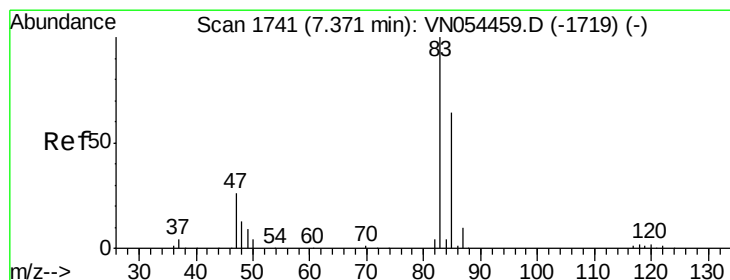
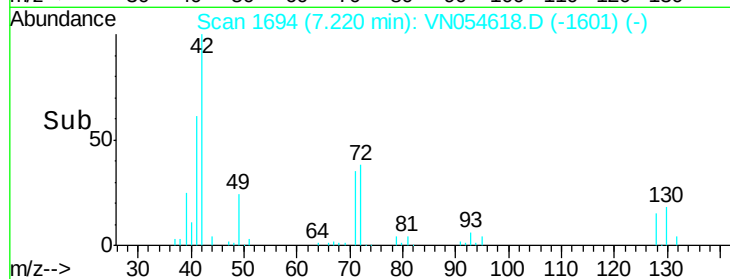
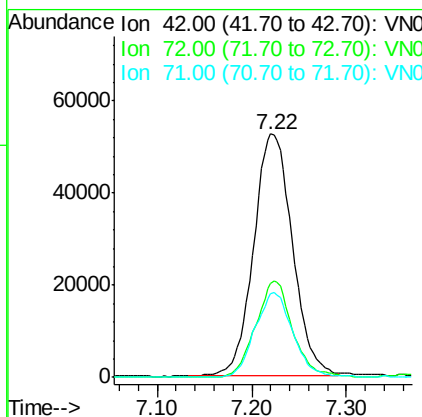
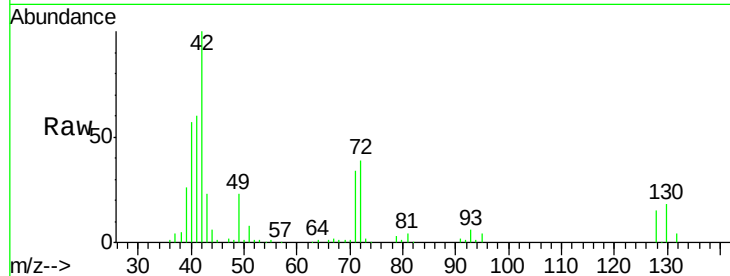
#29
Tetrahydrofuran
Concen: 119.429 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	37.8	56.6
71	34.0	36.2	54.2#

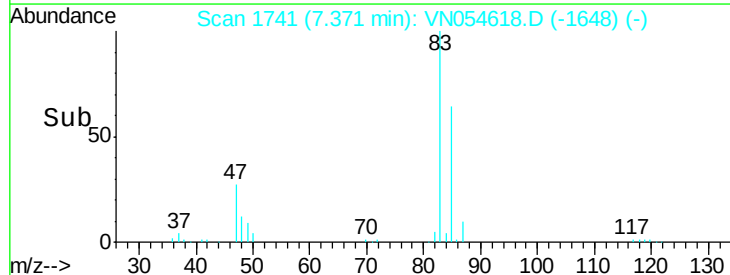
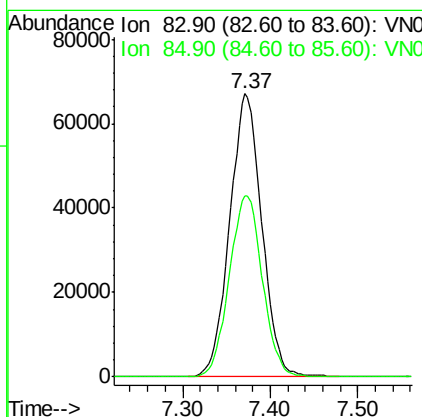
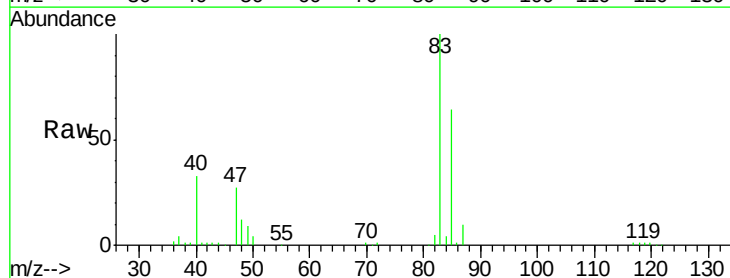
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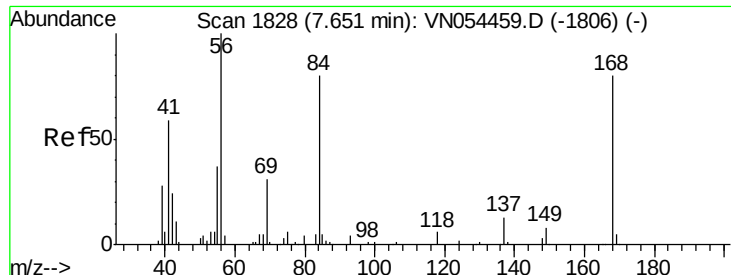
MMDadoda
3/25/2019 10:07:41 AM



#30
Chloroform
Concen: 22.465 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.4





#31

Cyclohexane

Concen: 20.557 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

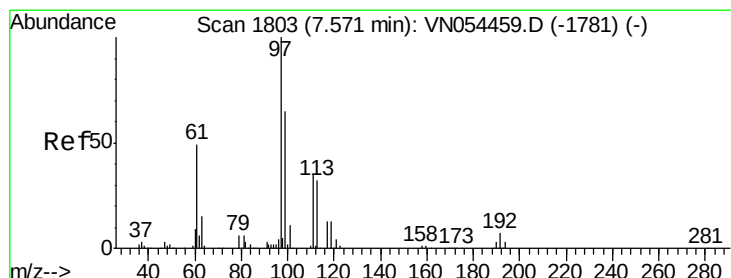
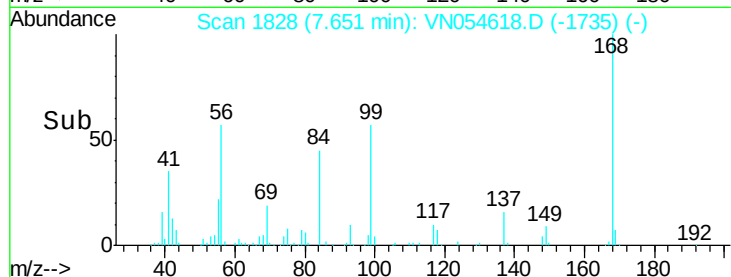
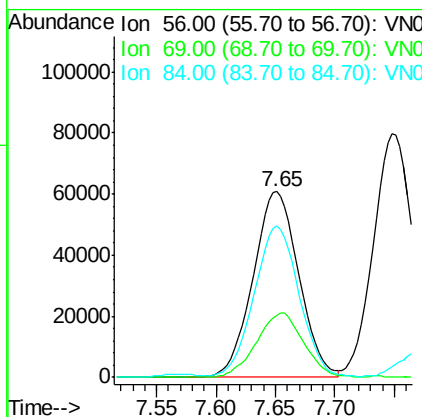
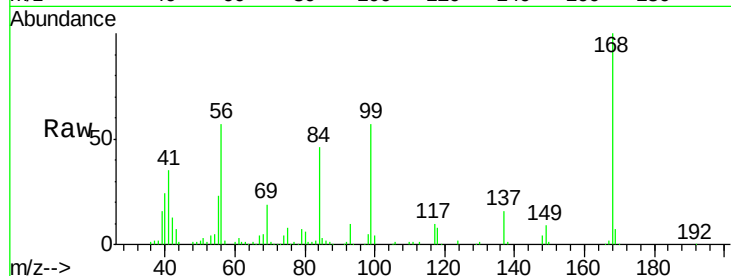
ClientSampled :

VN0323MBS01

Tot Ion:	56	Resp:	161863
Ion	Ratio	Lower	Upper
56	100		
69	33.6	27.8	41.6
84	80.1	74.6	111.8

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#32

1,1,1-Trichloroethane

Concen: 22.383 ug/l

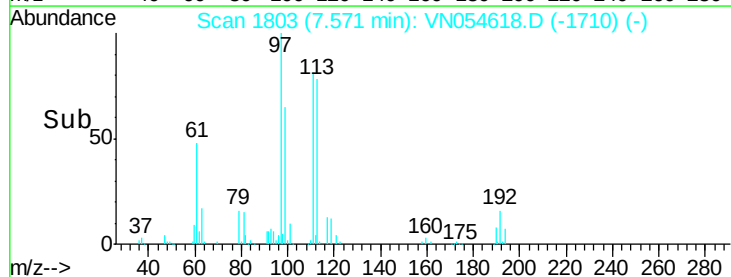
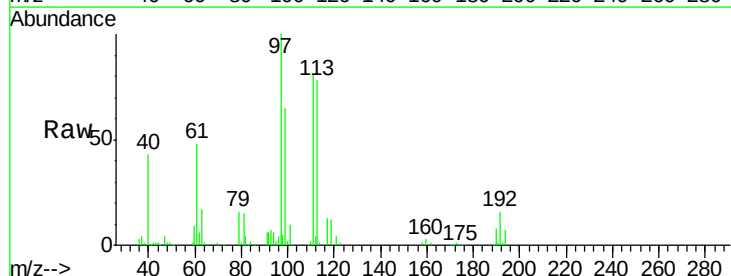
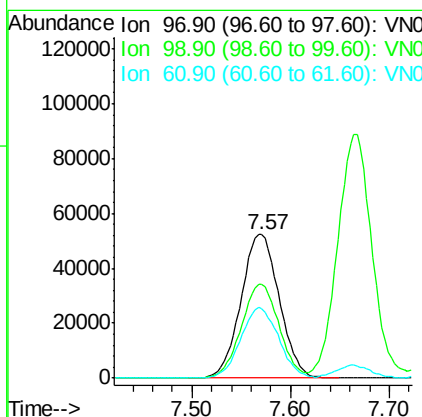
RT: 7.57 min Scan# 1803

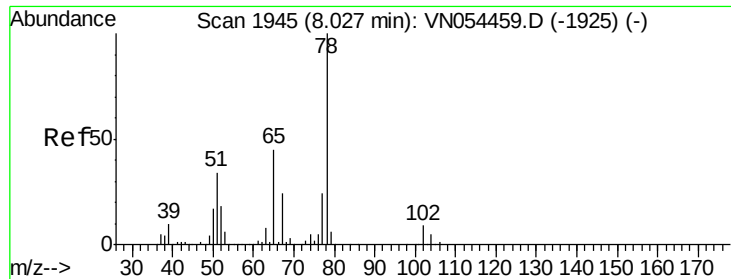
Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Tgt Ion:	97	Resp:	140603
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	48.5	33.6	50.4





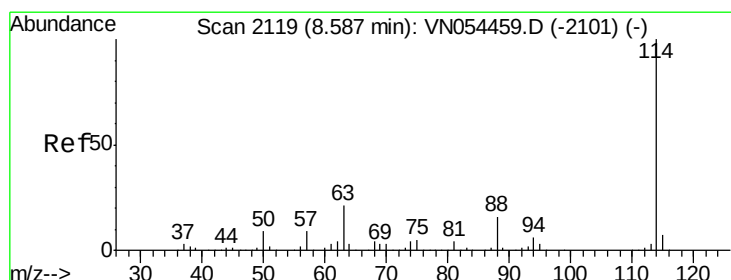
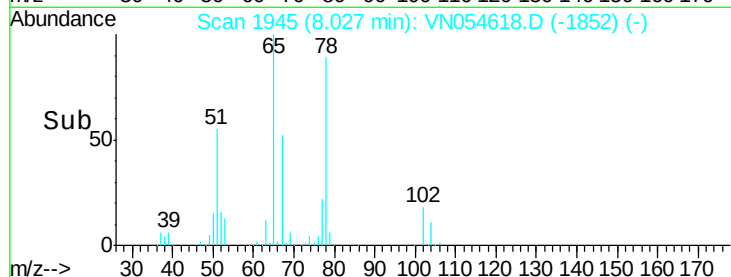
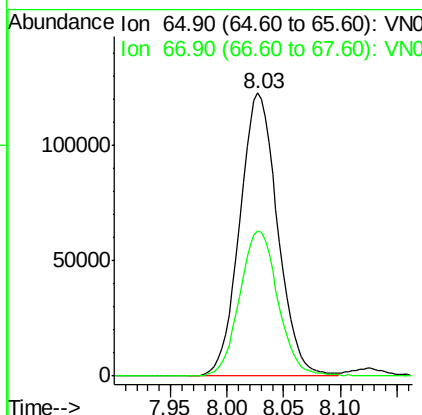
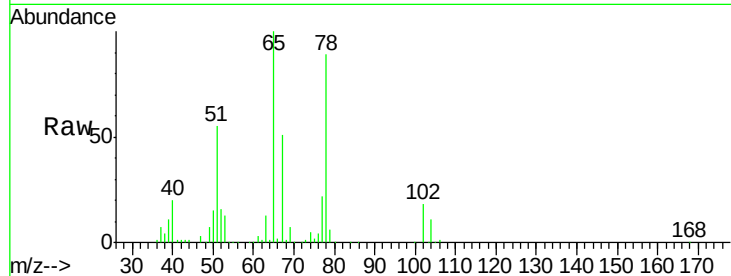
#33
 1,2-Dichloroethane-d4
 Concen: 56.902 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0323MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	286270		
67	51.9	0.0	104.6	

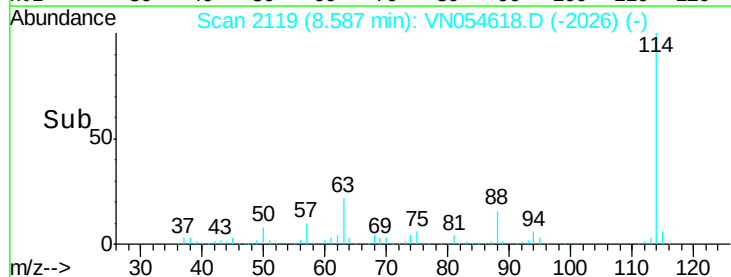
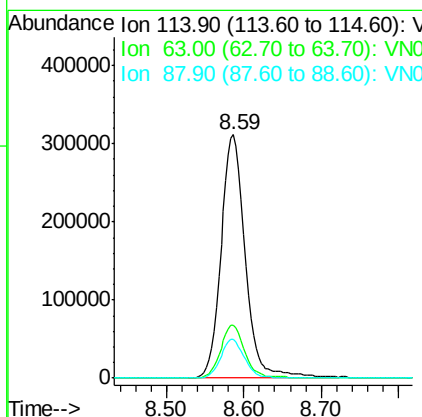
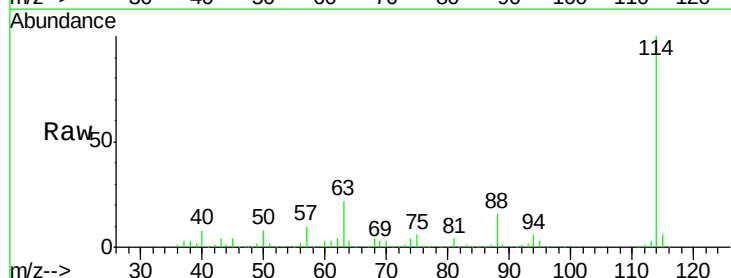
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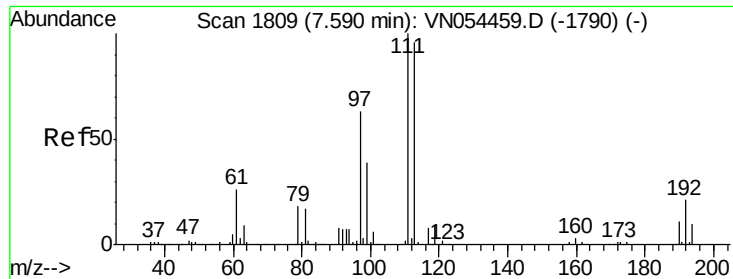
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	679886		
63	21.8	0.0	35.2	
88	15.9	0.0	30.2	





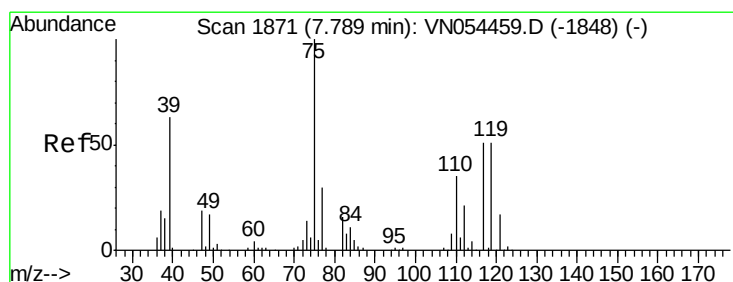
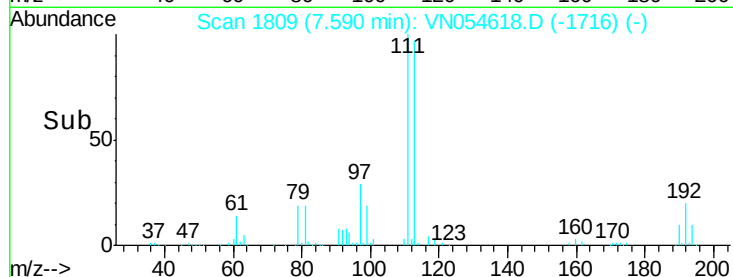
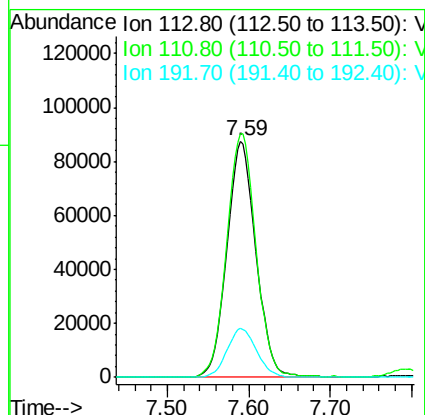
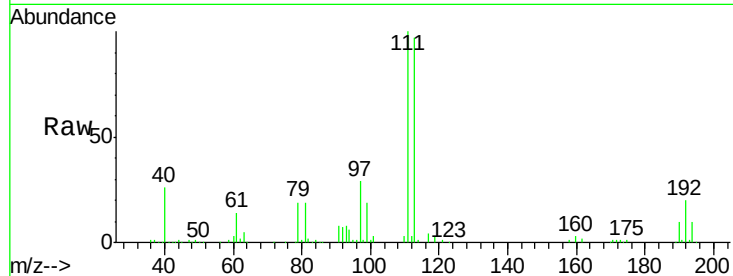
#35
 Dibromofluoromethane
 Concen: 49.922 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0323MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.2	82.2	123.4	
192	21.1	19.2	28.8	

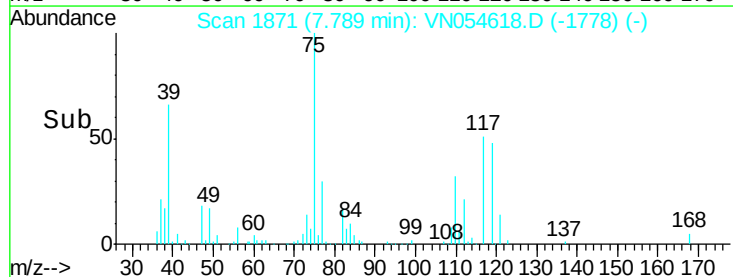
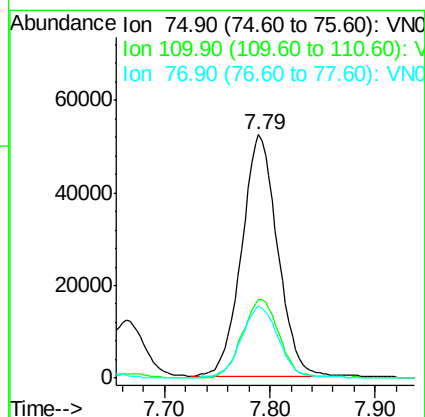
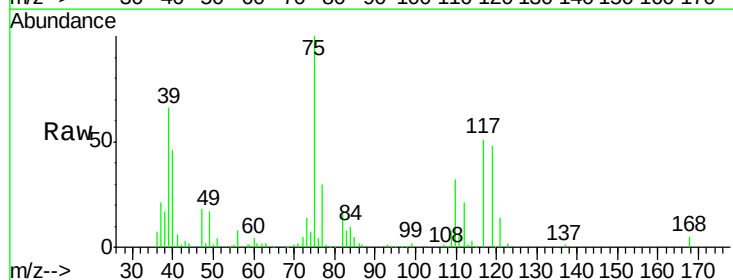
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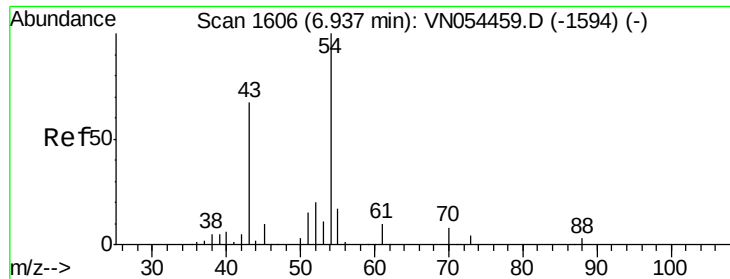
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#36
 1,1-Dichloropropene
 Concen: 19.382 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.7	19.1	57.5	
77	31.1	25.0	37.4	





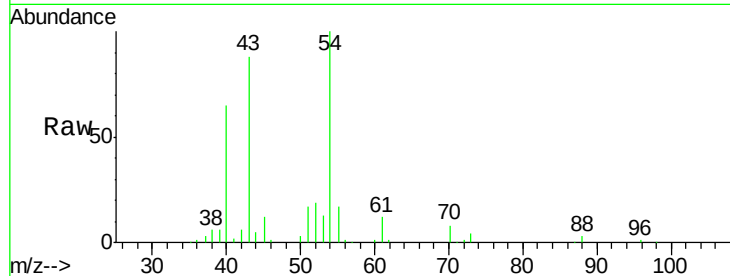
#37
Ethyl Acetate
Concen: 22.058 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampled :
VN0323MBS01

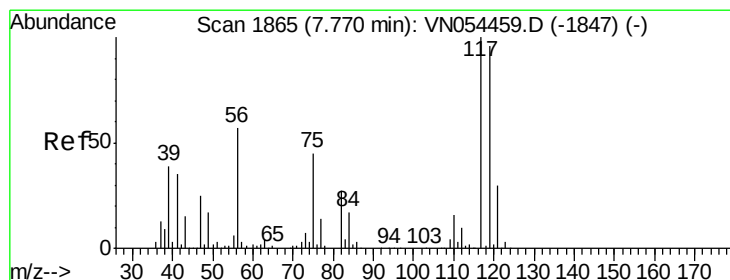
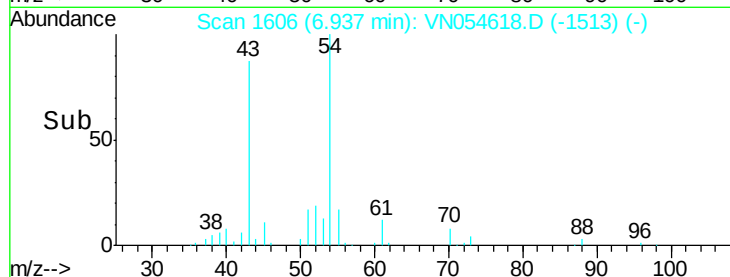
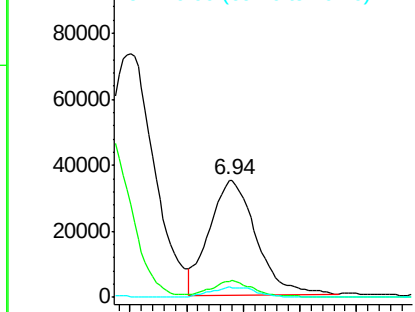
Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	11.8	17.6
70	8.8	8.4	12.6

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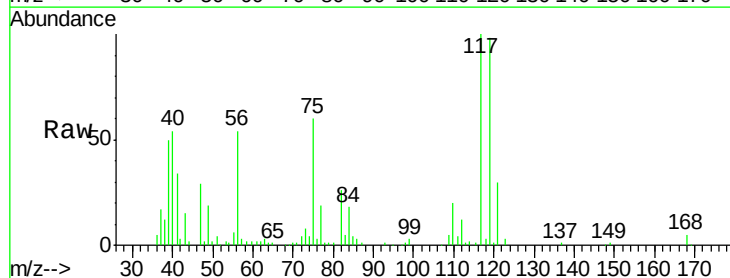


Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1594) (-)
Ion 60.90 (60.60 to 61.60): VN054459.D (-1594) (-)
Ion 70.00 (69.70 to 70.70): VN054459.D (-1594) (-)

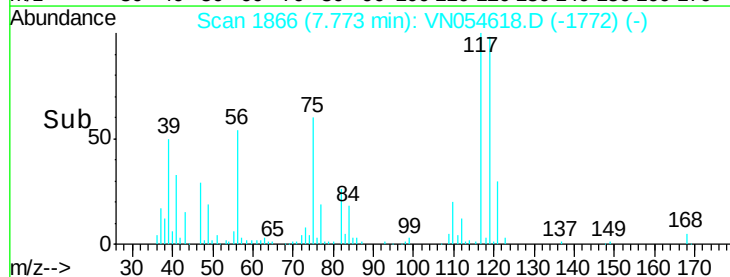
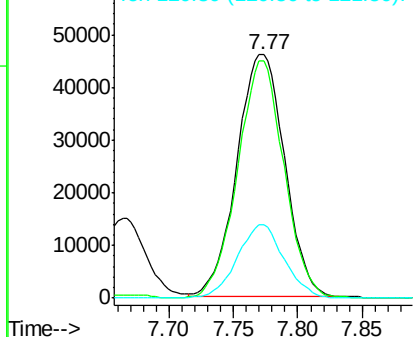


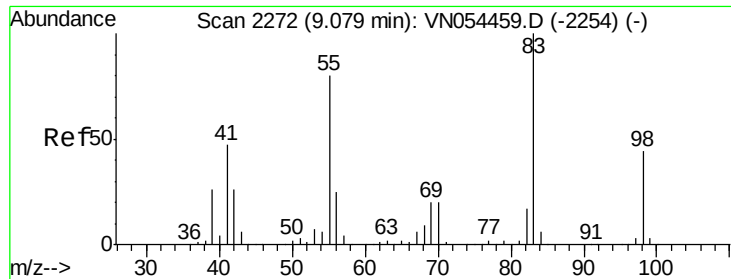
#38
Carbon Tetrachloride
Concen: 19.215 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.3	114.5
121	30.4	24.6	36.8



Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-1847) (-)
Ion 118.80 (118.50 to 119.50): VN054459.D (-1847) (-)
Ion 120.80 (120.50 to 121.50): VN054459.D (-1847) (-)





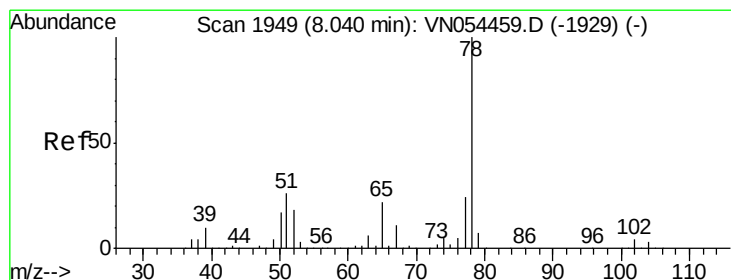
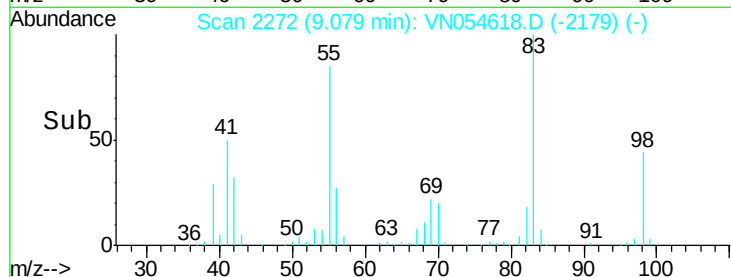
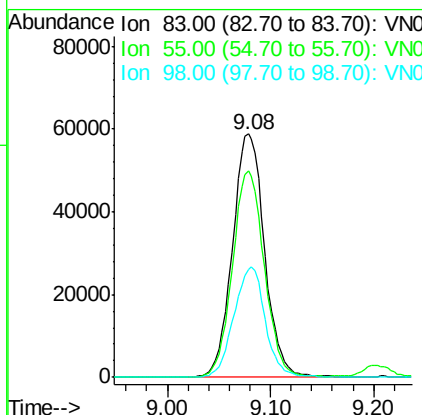
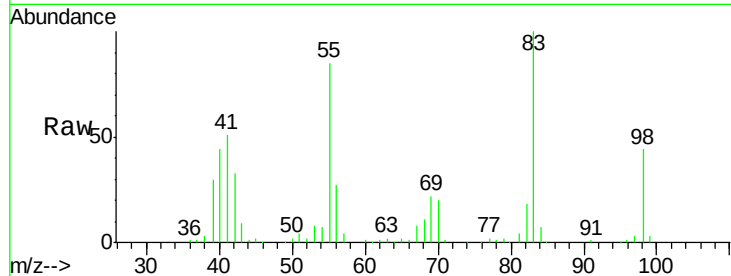
#39
Methylvlcyclohexane
Concen: 17.533 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	127496		
55	84.6		56.6	84.8
98	44.3		38.4	57.6

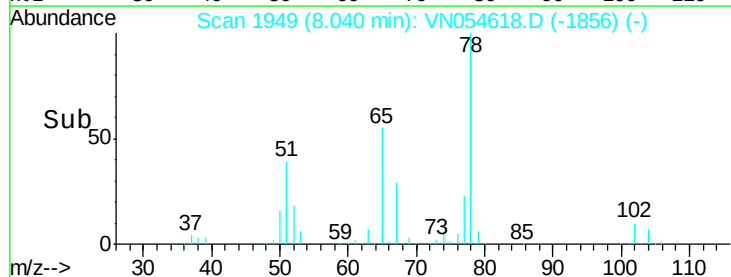
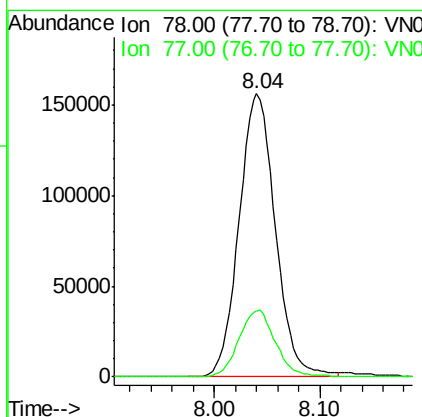
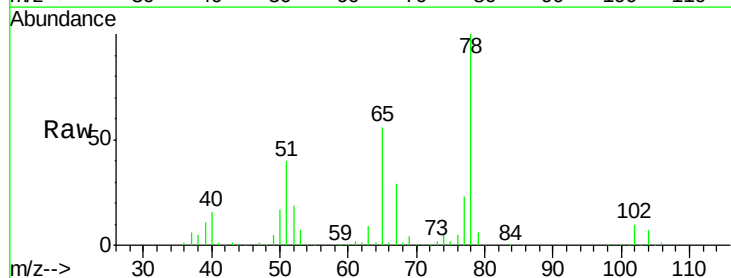
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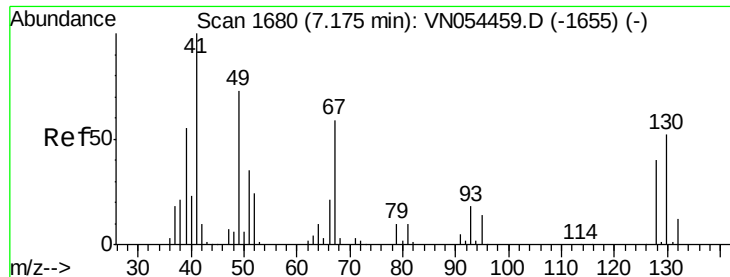
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#40
Benzene
Concen: 20.587 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	374234		
77	23.5		19.1	28.7





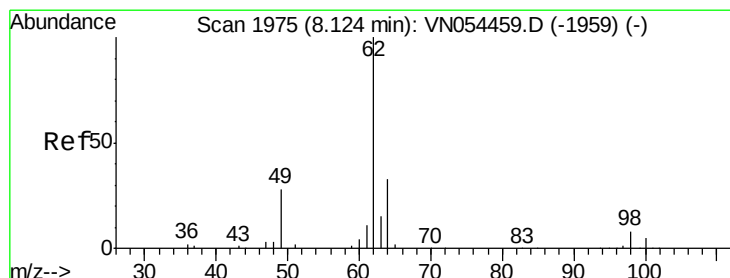
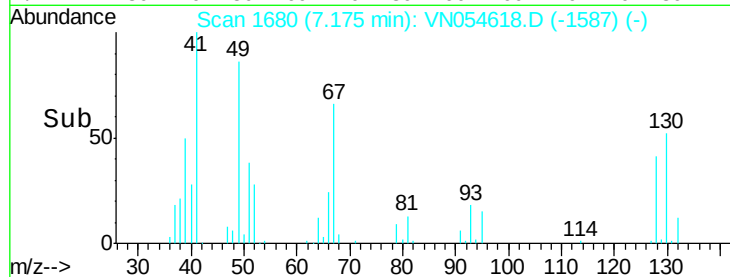
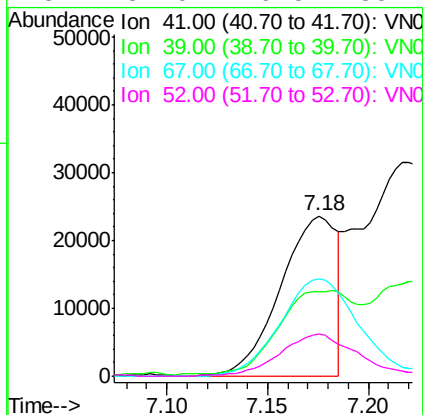
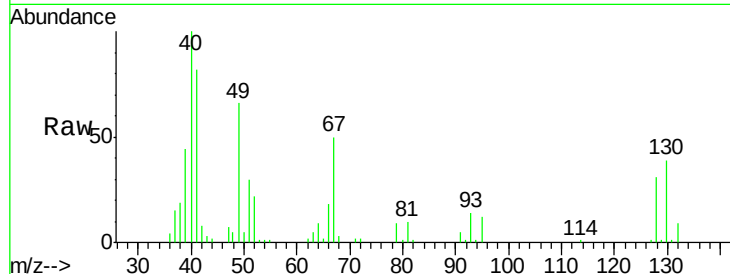
#41
Methacrylonitrile
Concen: 16.513 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.5	46.8	70.2#
67	86.9	67.0	100.4
52	37.0	26.5	39.7

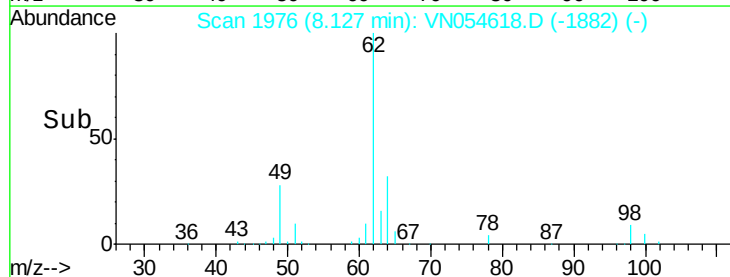
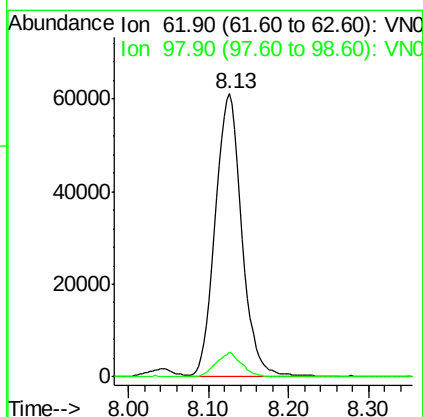
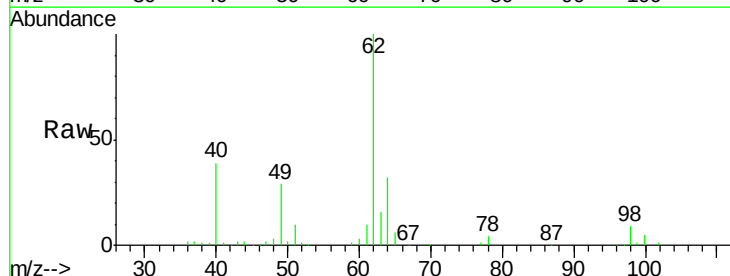
Manual Integrations
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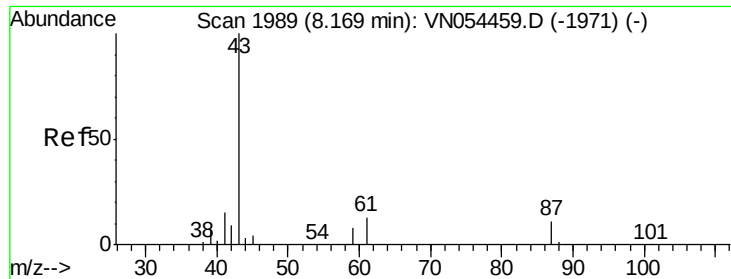
MMDadoda
3/25/2019 10:07:41 AM



#42
1,2-Dichloroethane
Concen: 21.300 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 21.908 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

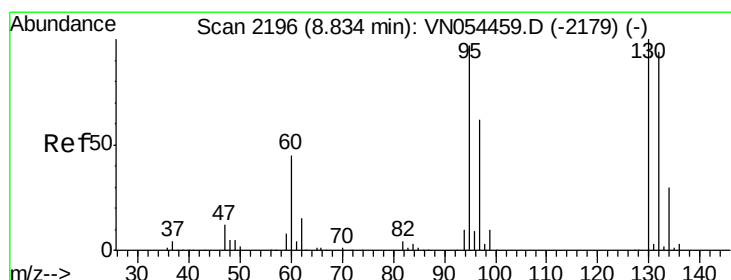
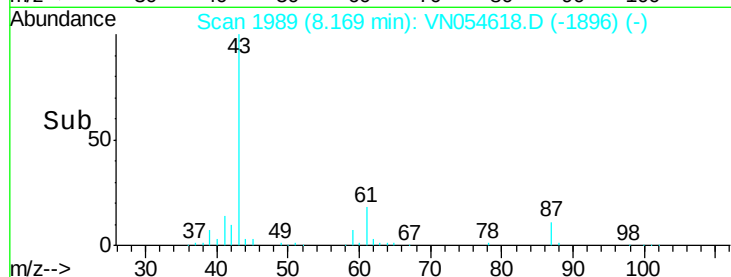
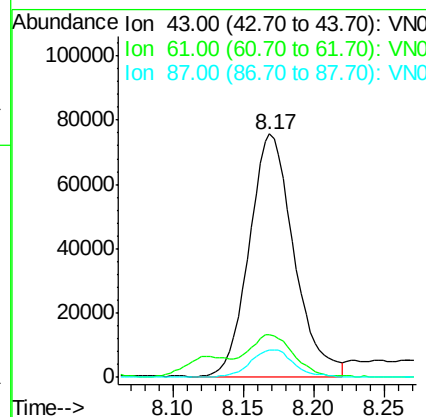
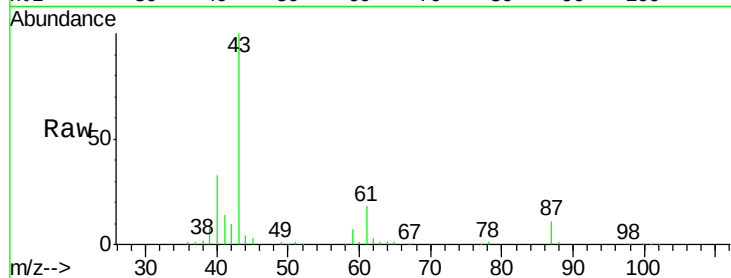
ClientSampleId :

VN0323MBS01

Tot Ion:	43	Resp:	167288
Ion	Ratio	Lower	Upper
43	100		
61	17.7	15.8	23.8
87	11.2	12.0	18.0#

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#44

Trichloroethene

Concen: 19.433 ug/l

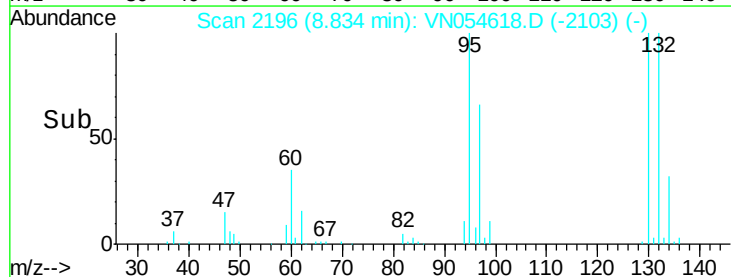
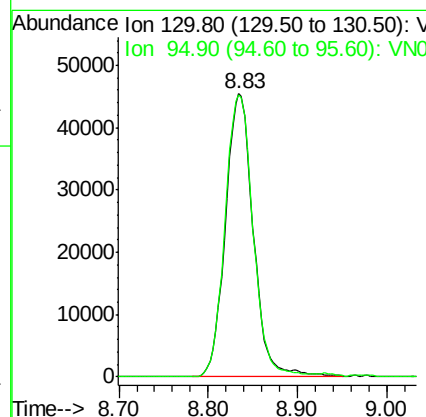
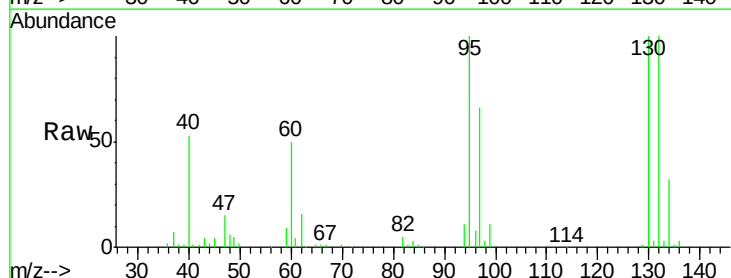
RT: 8.83 min Scan# 2196

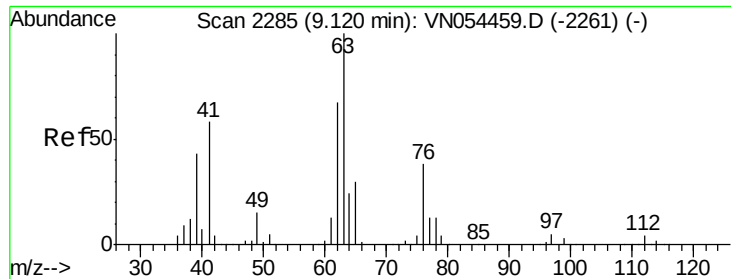
Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Tgt Ion:	130	Resp:	98213
Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	185.2





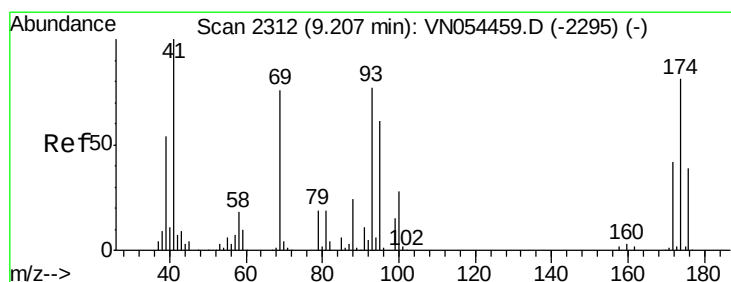
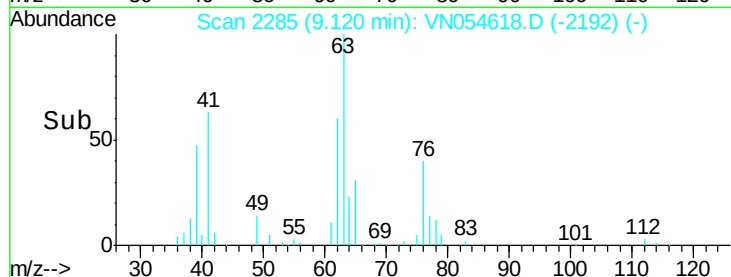
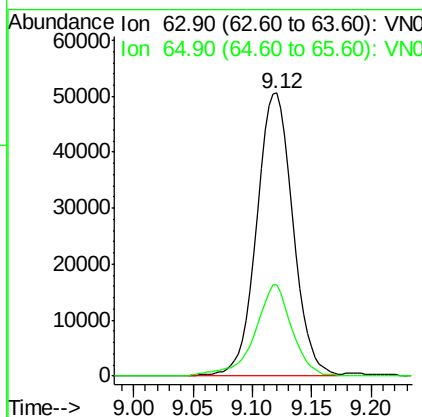
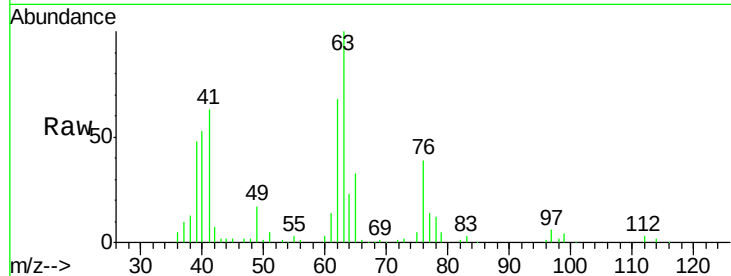
#45
 1,2-Dichloropropane
 Concen: 21.931 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0323MBS01

Tot Ion: 63 Resp: 107050
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.0 37.6

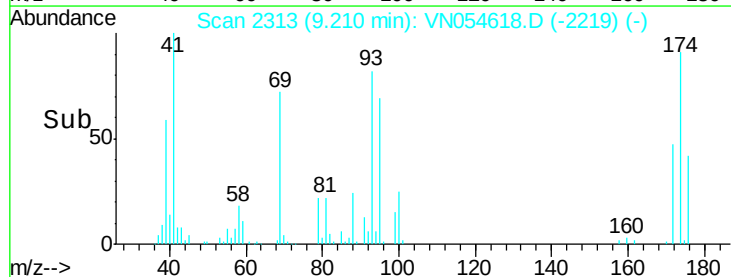
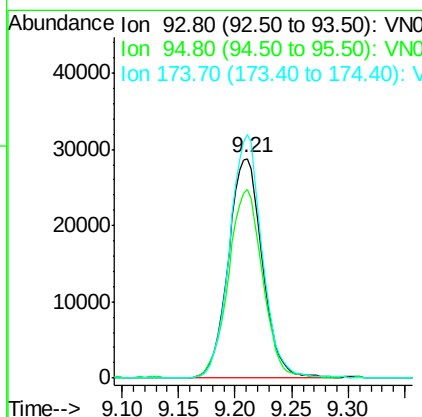
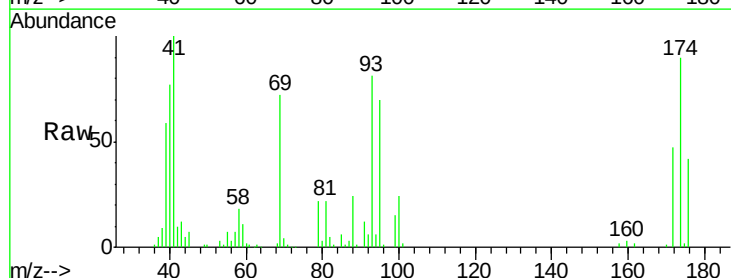
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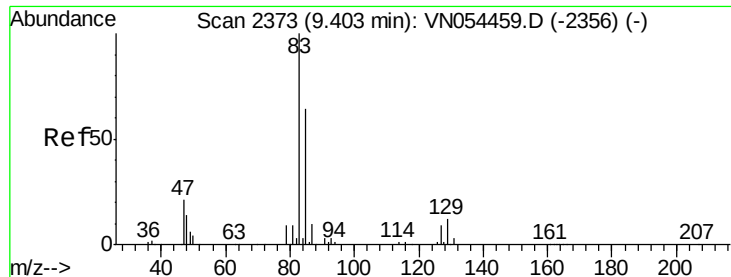
MMDadoda
 3/25/2019 10:07:41 AM



#46
 Dibromomethane
 Concen: 20.707 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Tgt Ion: 93 Resp: 60300
 Ion Ratio Lower Upper
 93 100
 95 86.1 66.7 100.1
 174 105.6 98.5 147.7





#47

Bromodichloromethane

Concen: 21.349 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

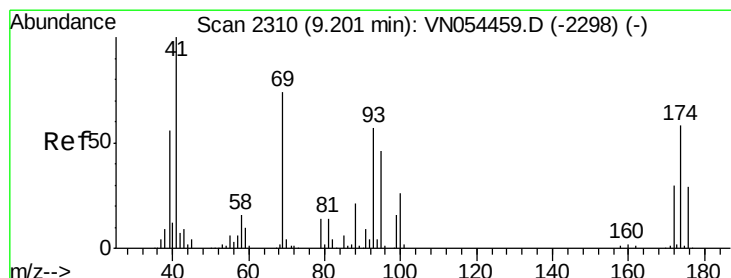
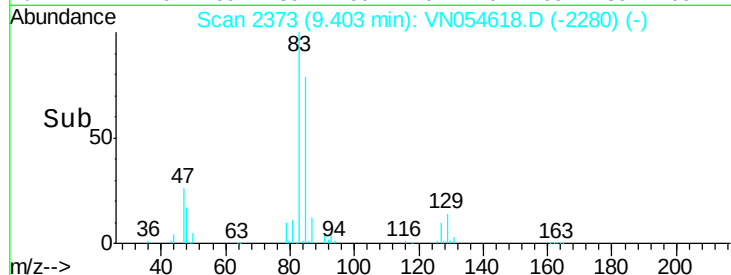
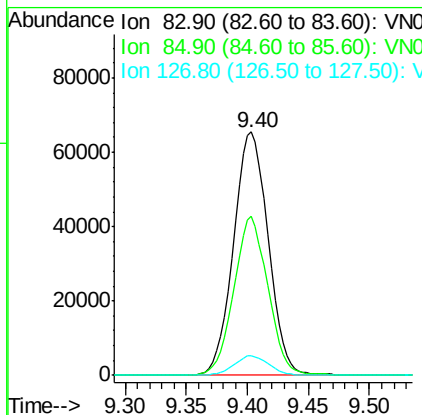
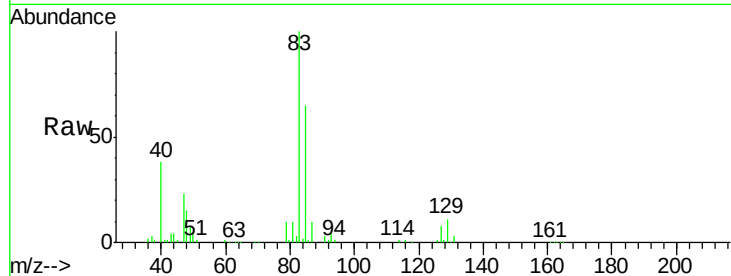
ClientSampleId :

VN0323MBS01

Tot Ion:	83	Resp:	129021
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.8	79.2
127	8.2	7.4	11.2

Manual Integrations
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3/25/2019 10:07:41 AM



#48

Methyl methacrylate

Concen: 20.982 ug/l

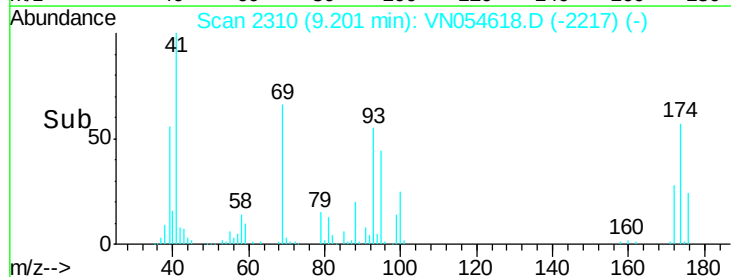
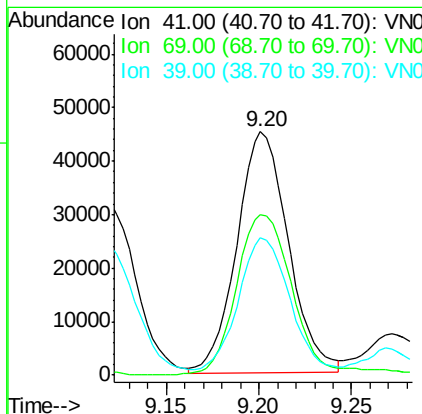
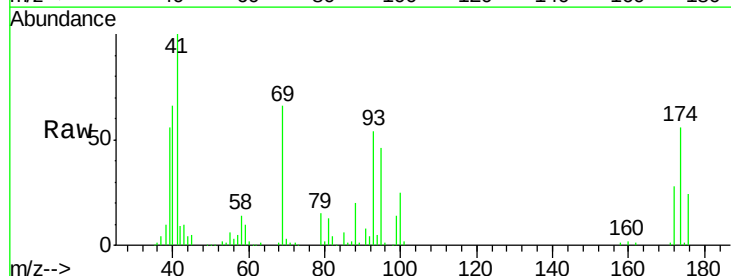
RT: 9.20 min Scan# 2310

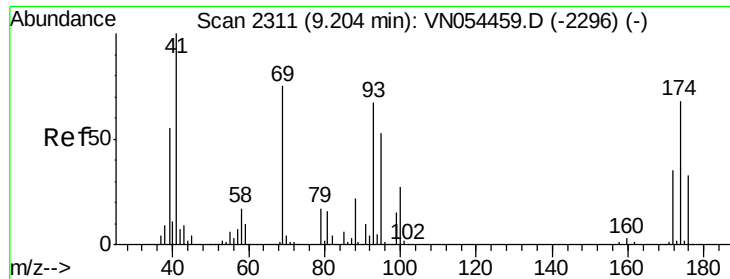
Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Tgt Ion:	41	Resp:	86960
Ion Ratio	Lower	Upper	
41	100		
69	73.5	72.6	108.8
39	55.7	47.5	71.3





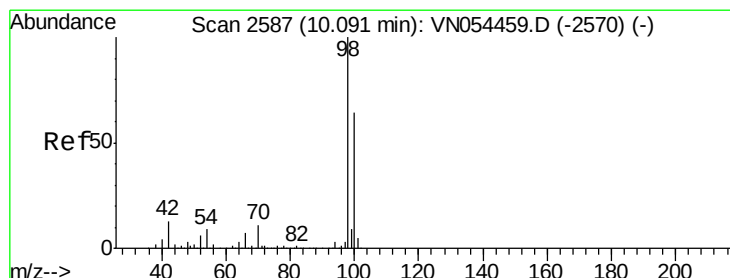
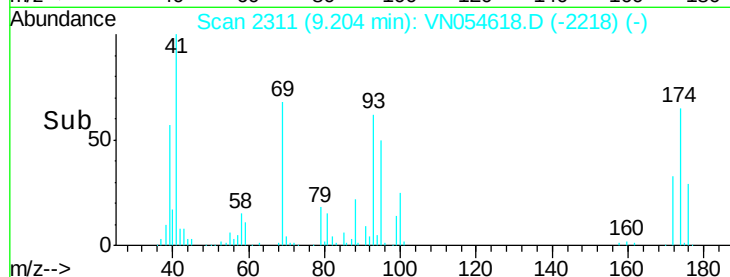
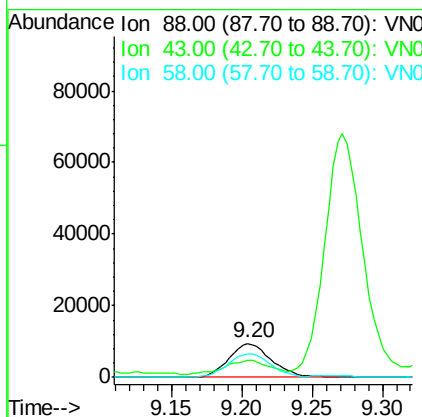
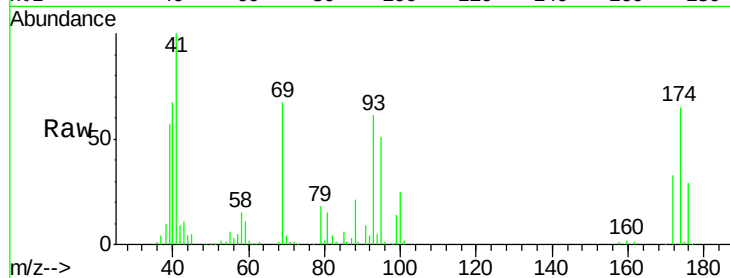
#49
1,4-Dioxane
Concen: 432.978 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.6	24.1	36.1#
58	70.3	50.8	76.2

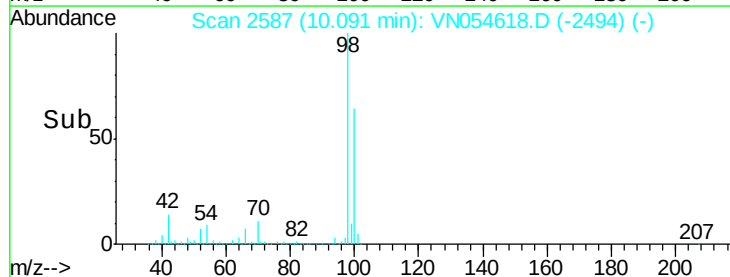
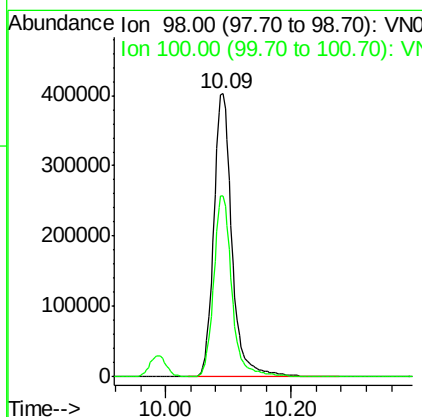
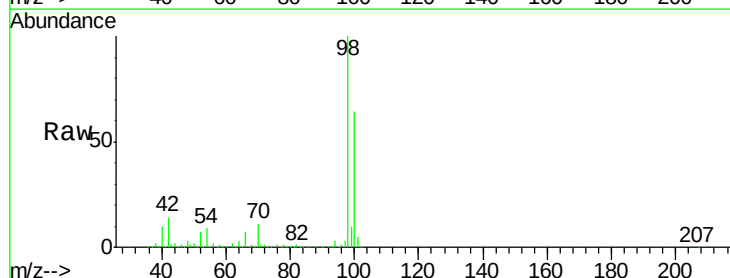
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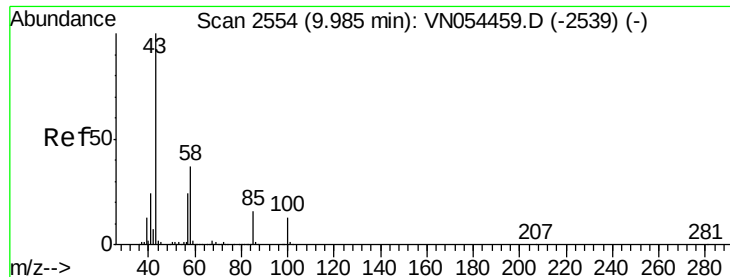
MMDadoda
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#50
Toluene-d8
Concen: 49.521 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.2	76.8





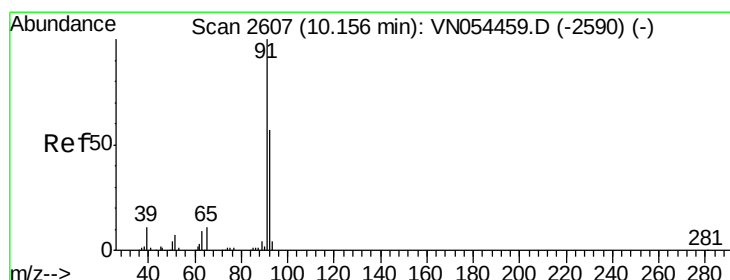
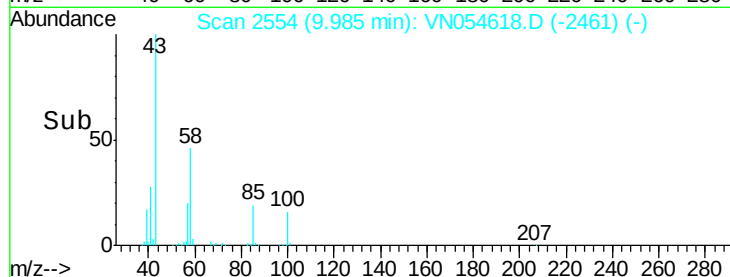
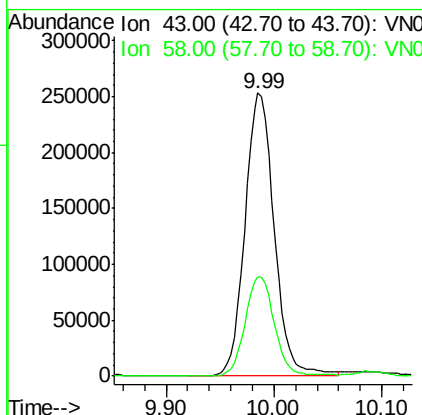
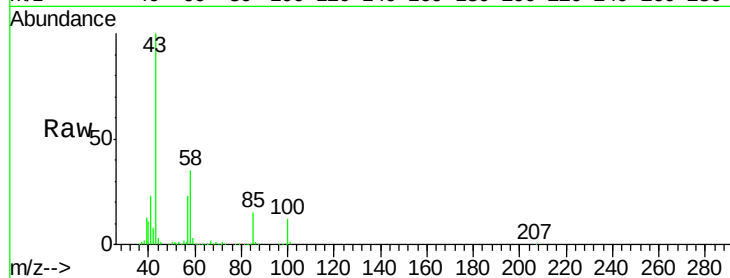
#51
4-Methyl-2-Pentanone
Concen: 111.911 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.6	31.8	47.6

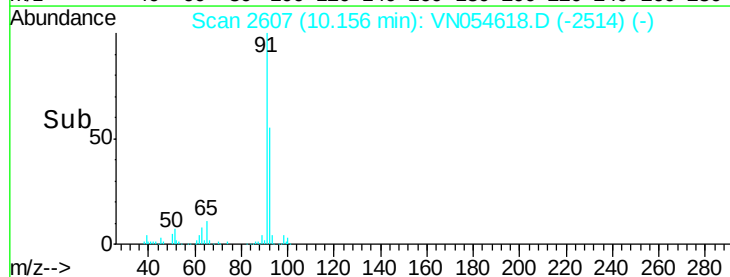
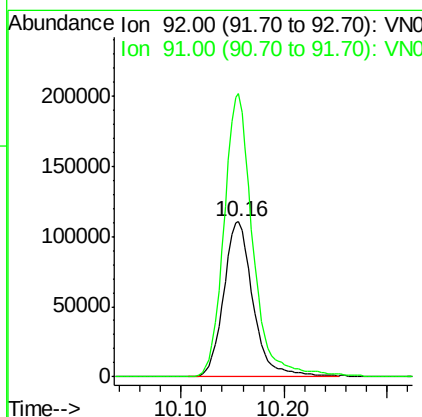
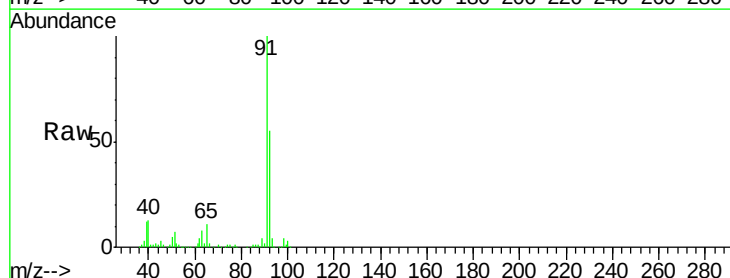
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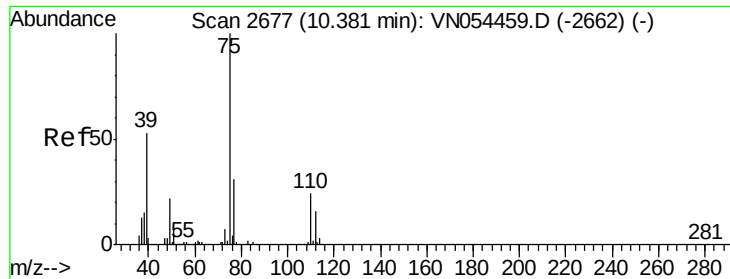
MMDadoda
3/25/2019 10:07:41 AM



#52
Toluene
Concen: 19.667 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
92	100		
91	179.4	140.7	211.1





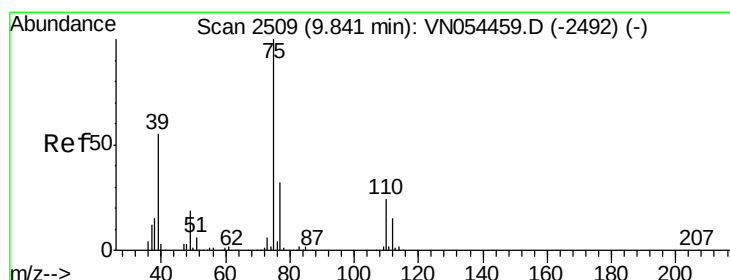
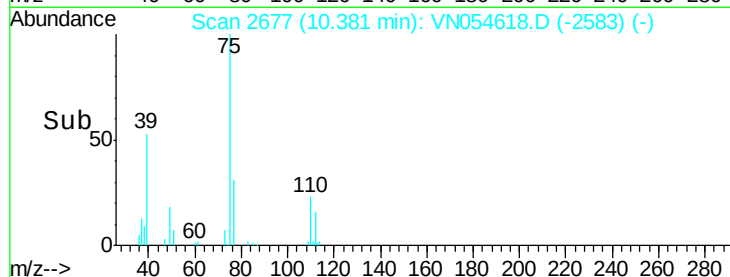
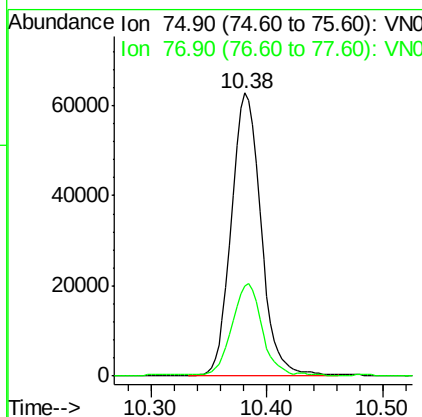
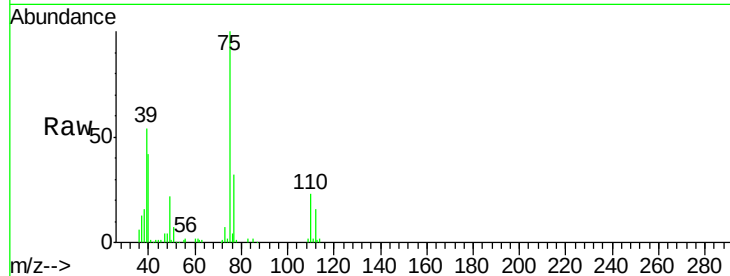
#53
t-1,3-Dichloropropene
Concen: 18.901 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampled :
VN0323MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.8	38.8

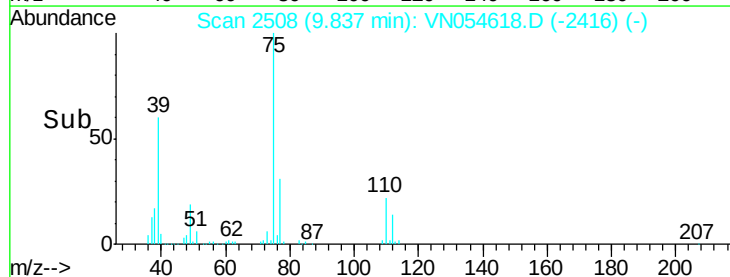
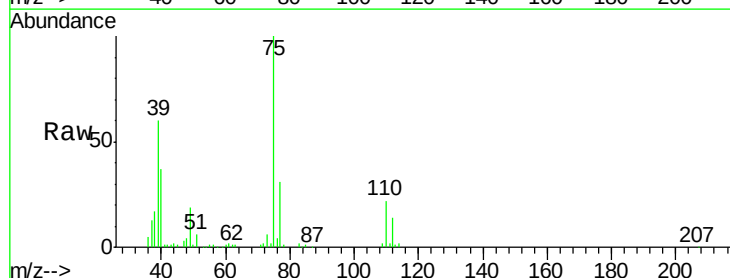
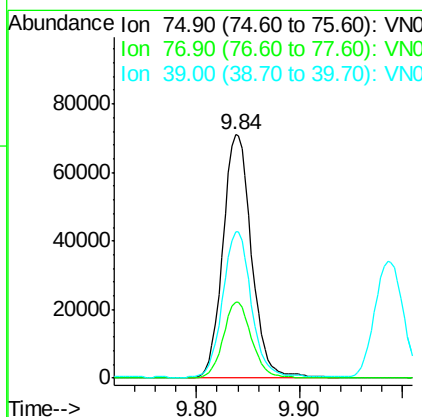
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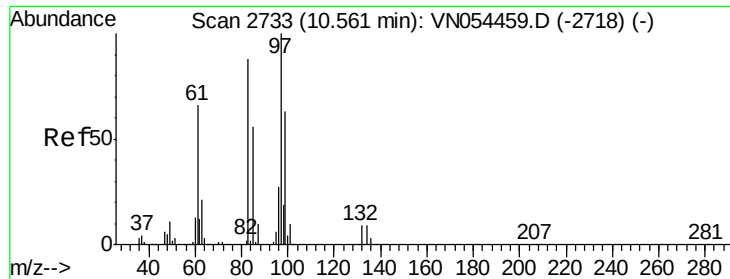
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.855 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0
39	59.4	37.2	55.8#





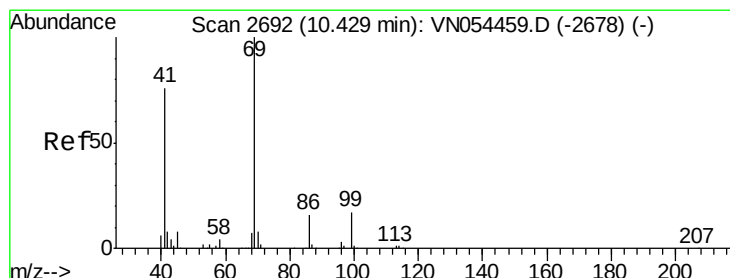
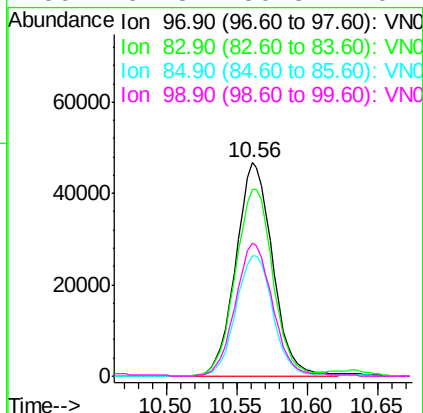
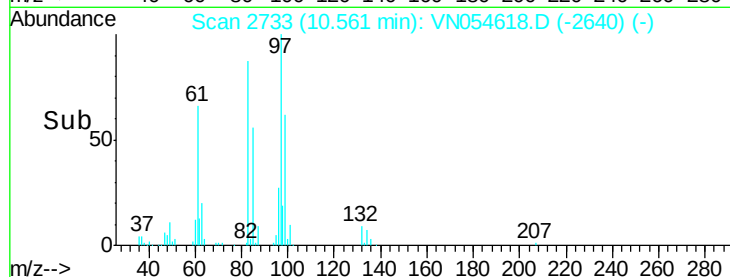
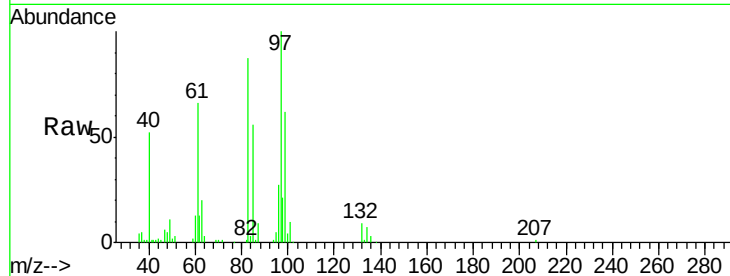
#55
 1,1,2-Trichloroethane
 Concen: 21.294 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBS01

Tot Ion:	97	Resp:	85579
Ion	Ratio	Lower	Upper
97	100		
83	87.2	66.6	100.0
85	56.1	44.4	66.6
99	62.3	50.8	76.2

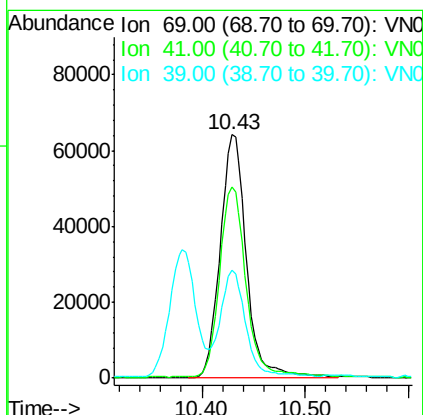
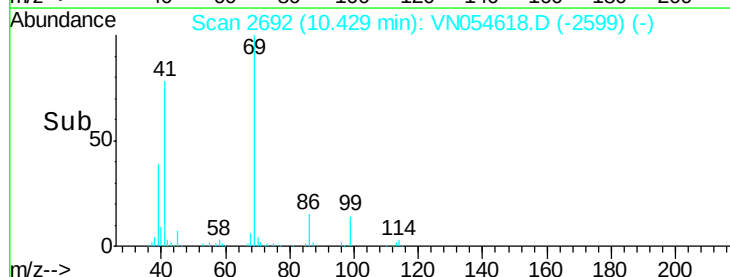
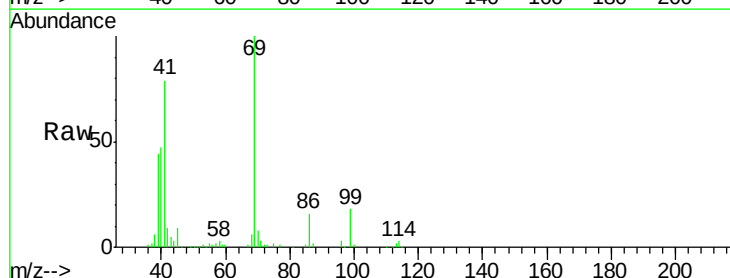
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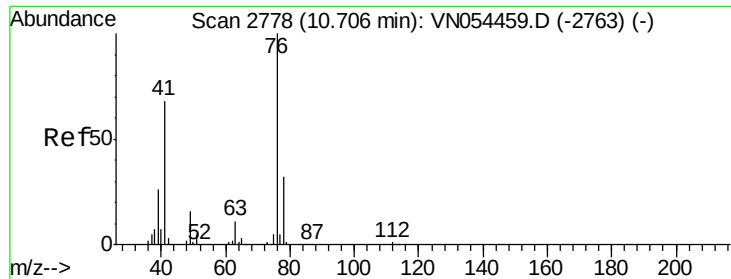
MMDadoda
 3/25/2019 10:07:41 AM



#56
 Ethyl methacrylate
 Concen: 21.138 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Tgt Ion:	69	Resp:	114026
Ion	Ratio	Lower	Upper
69	100		
41	77.9	49.4	74.2#
39	41.9	28.3	42.5





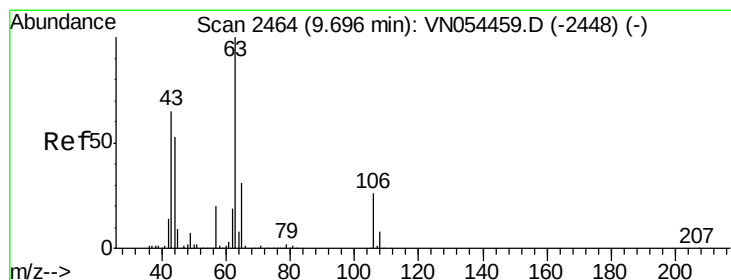
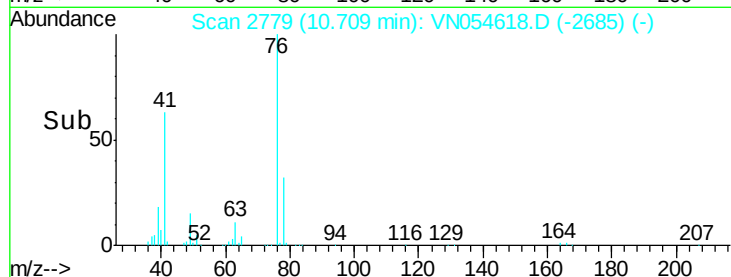
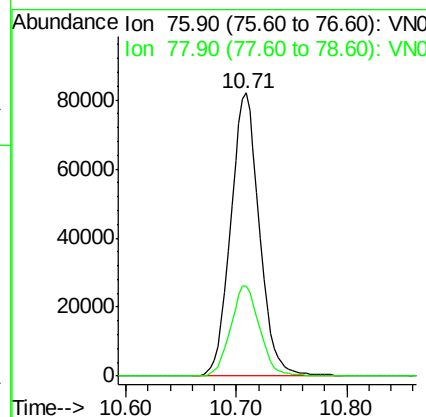
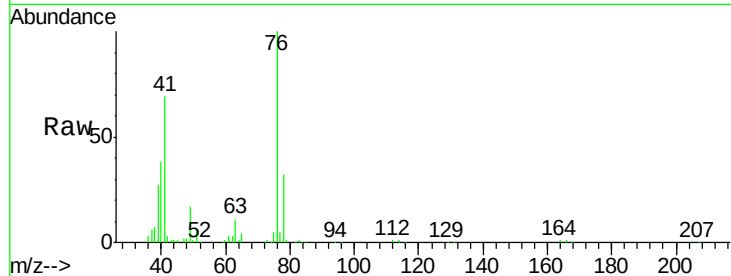
#57
 1,3-Dichloropropane
 Concen: 21.185 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBS01

Tot Ion: 76 Resp: 148004
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5

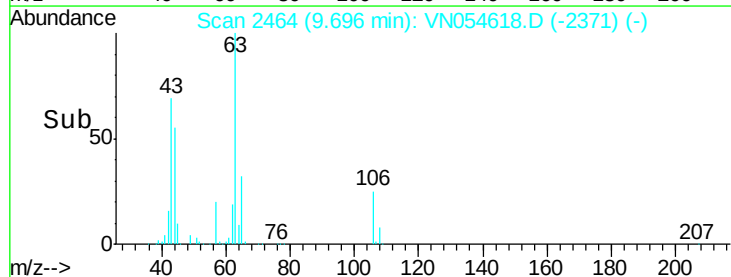
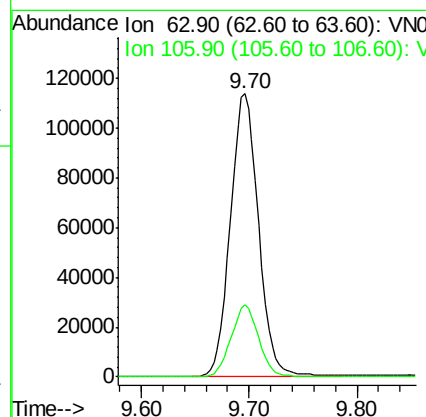
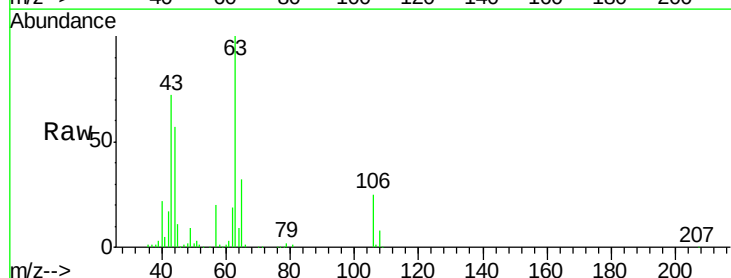
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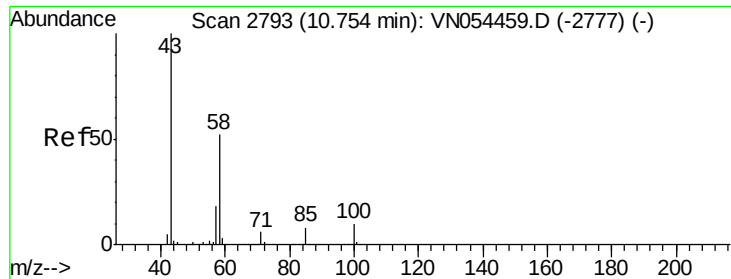
MMDadoda
 3/25/2019 10:07:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.682 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Tgt Ion: 63 Resp: 208090
 Ion Ratio Lower Upper
 63 100
 106 24.7 24.4 36.6





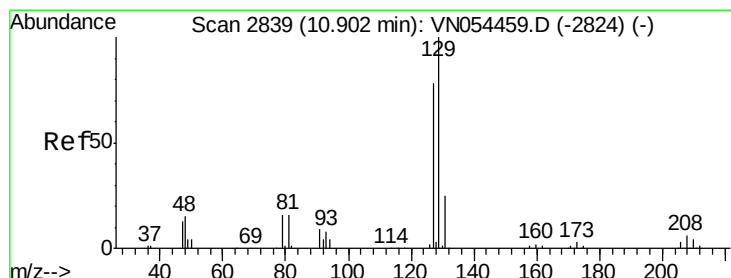
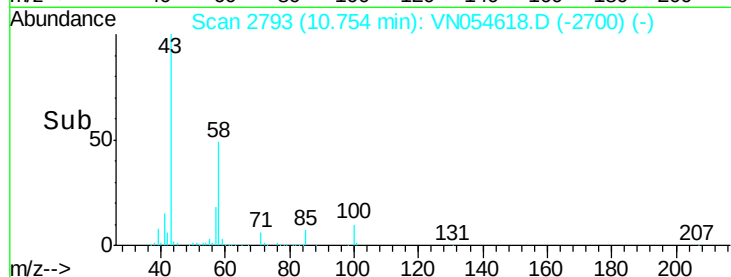
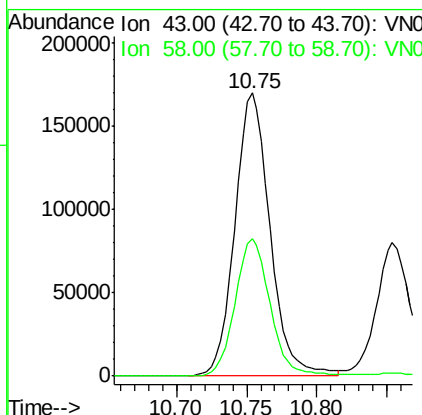
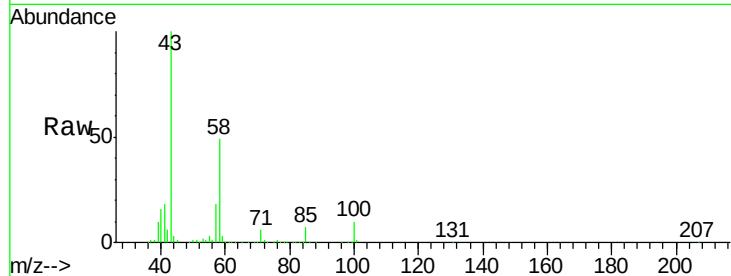
#59
2-Hexanone
Concen: 106.326 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

Tot Ion: 43 Resp: 293903
Ion Ratio Lower Upper
43 100
58 49.2 28.0 83.9

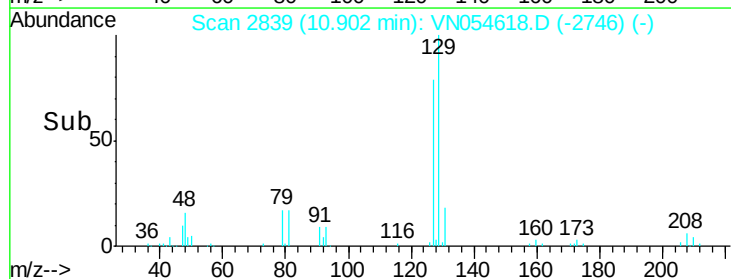
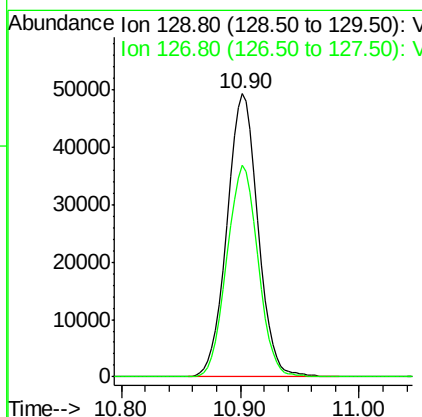
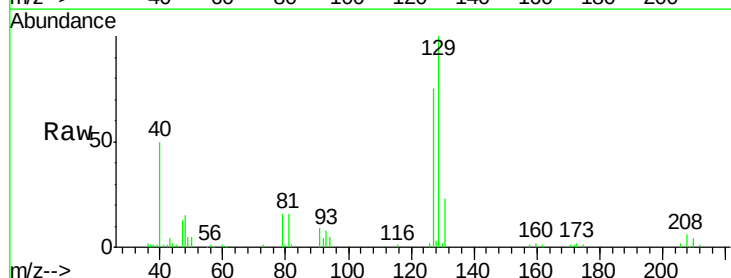
Manual Integrations
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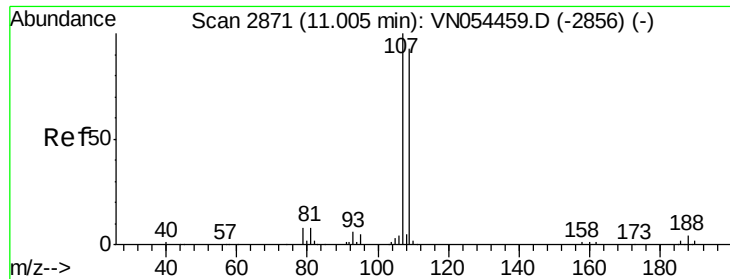
MMDadoda
3/25/2019 10:07:41 AM



#60
Dibromochloromethane
Concen: 20.808 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion: 129 Resp: 88987
Ion Ratio Lower Upper
129 100
127 75.3 38.6 115.8





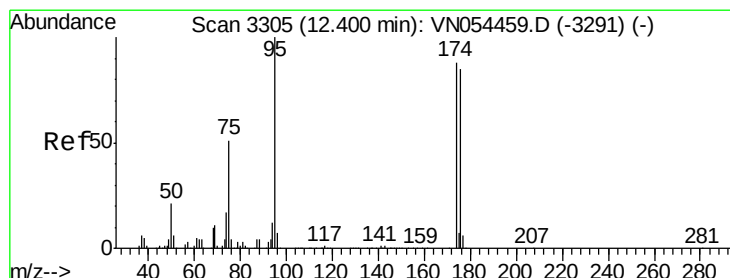
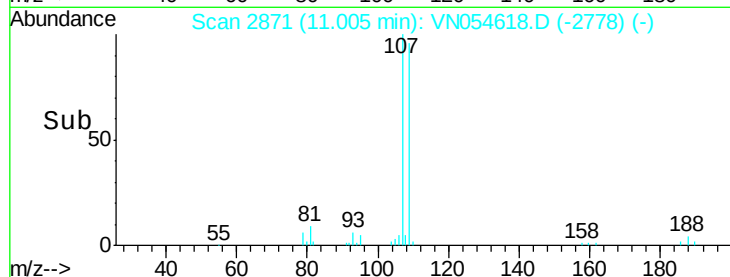
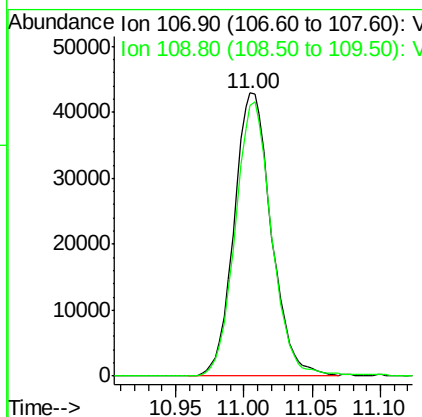
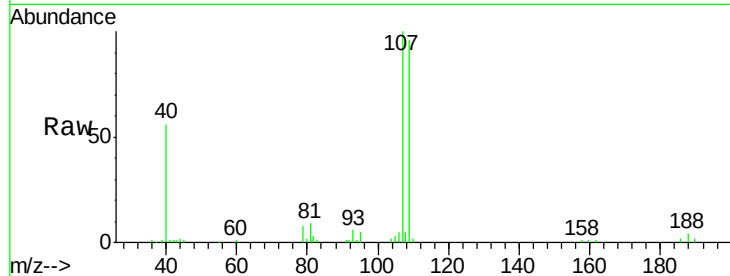
#61
1,2-Dibromoethane
Concen: 20.495 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.9	113.9

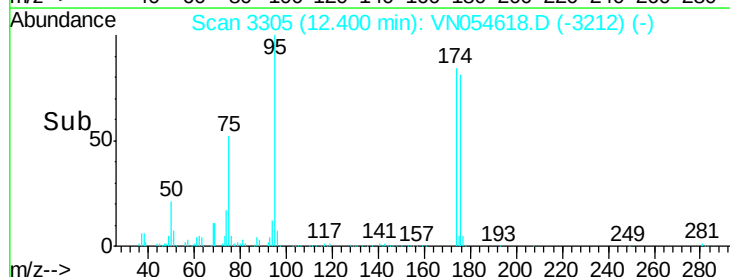
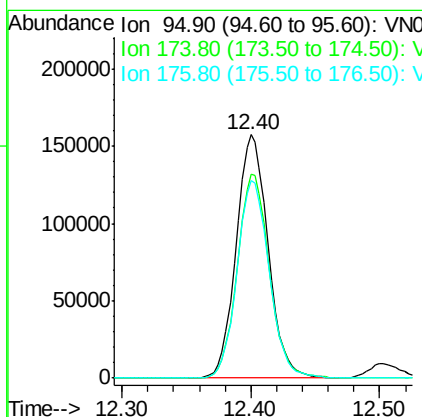
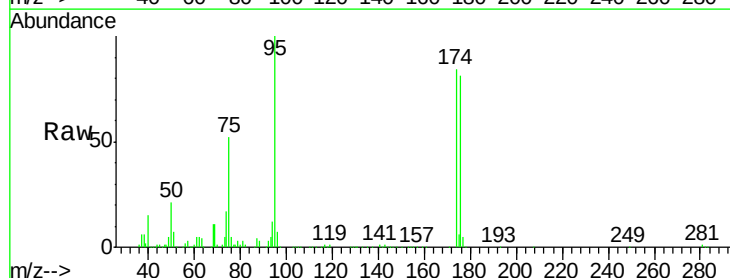
Manual Integrations
APPROVED

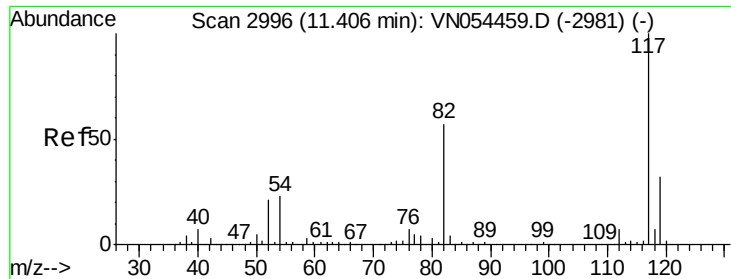
MMDadoda
3/25/2019 10:07:41 AM



#62
4-Bromofluorobenzene
Concen: 48.316 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	191.0
176	81.9	0.0	187.4





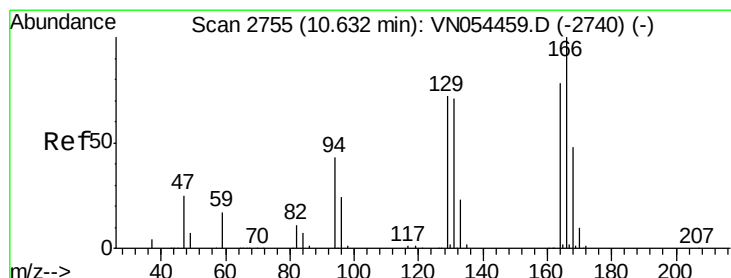
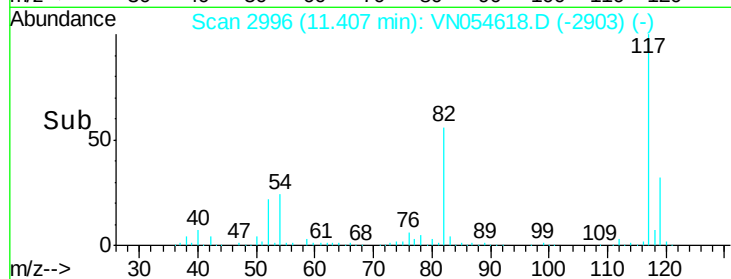
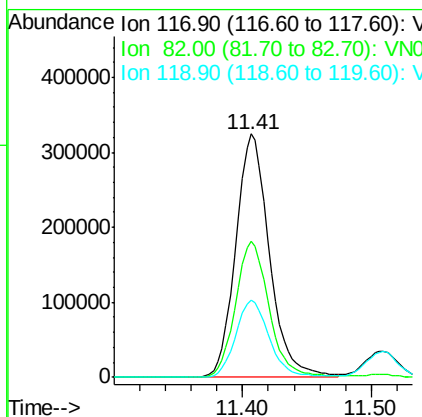
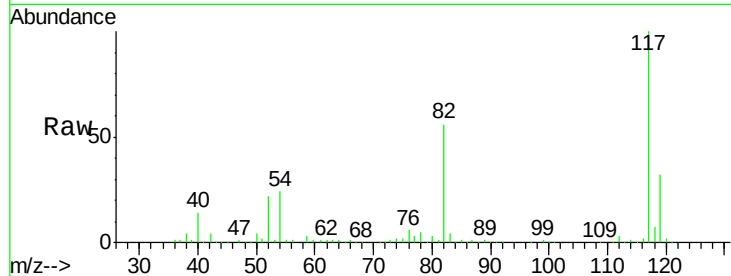
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	40.0	60.0
119	31.8	25.8	38.6

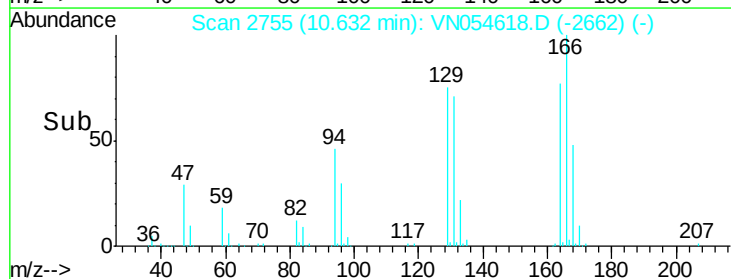
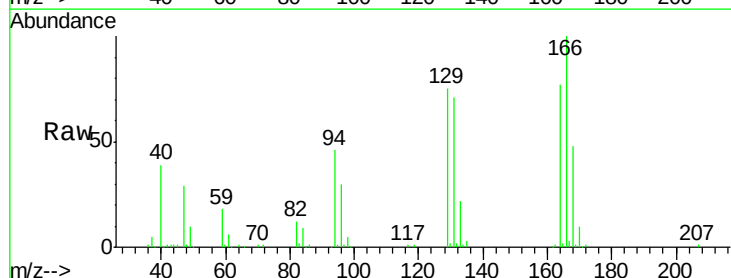
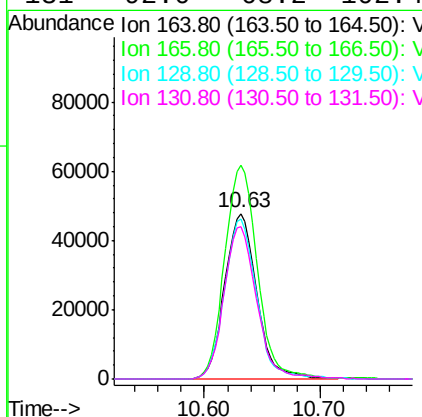
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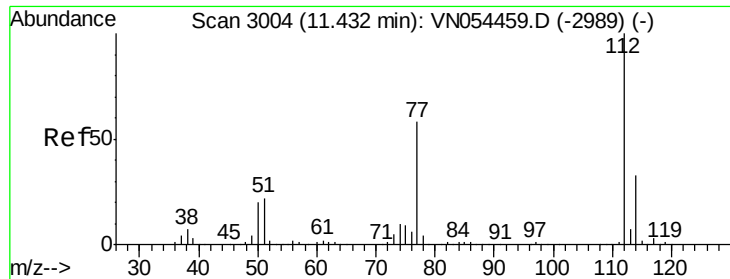
MMDadoda
3/25/2019 10:07:41 AM



#64
Tetrachloroethene
Concen: 18.782 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.9	155.9
129	97.2	71.1	106.7
131	92.0	68.2	102.4





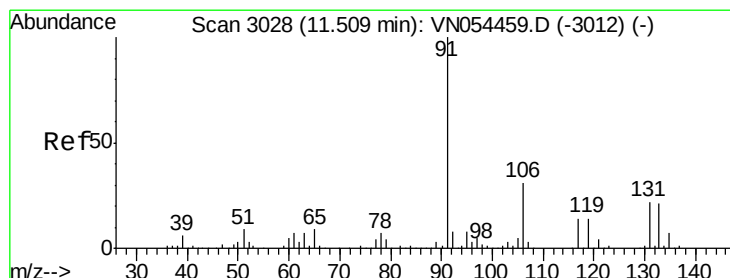
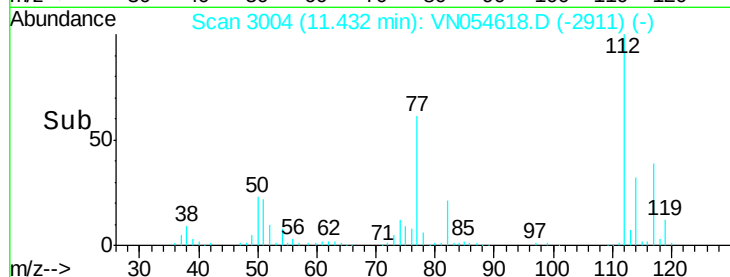
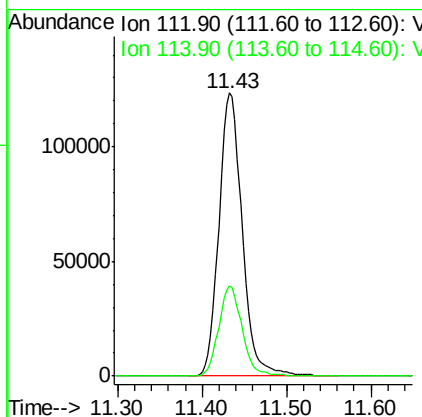
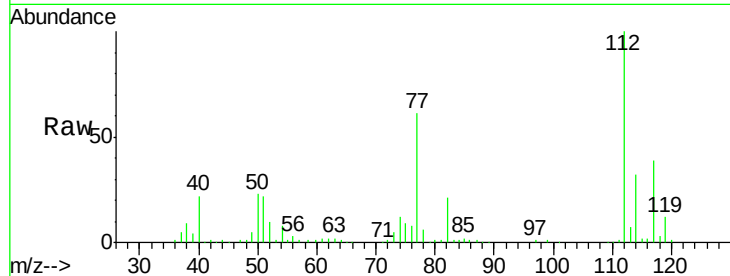
#65
Chlorobenzene
Concen: 19.800 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

Tot Ion:112 Resp: 237164
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9

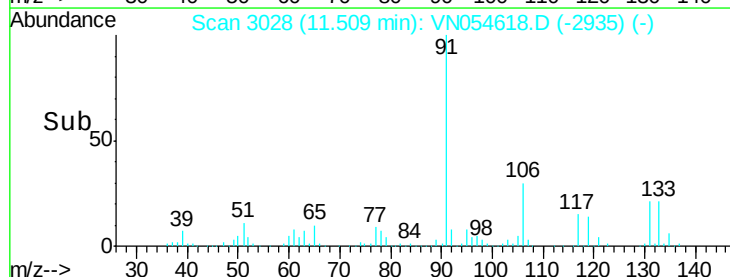
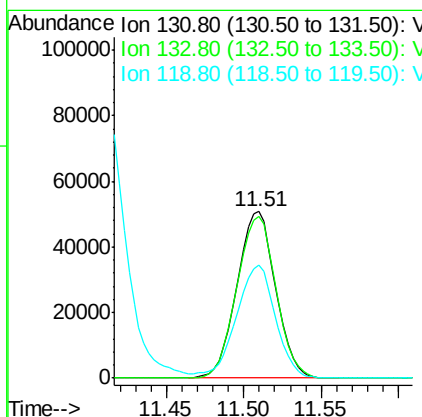
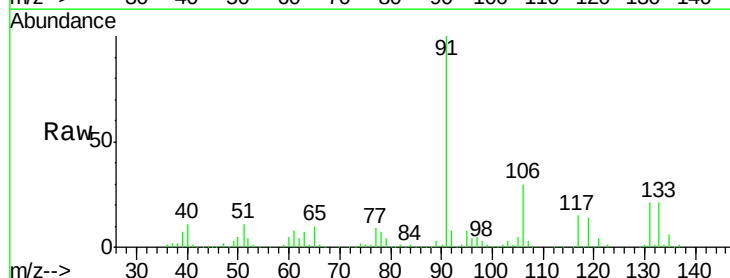
Manual Integrations
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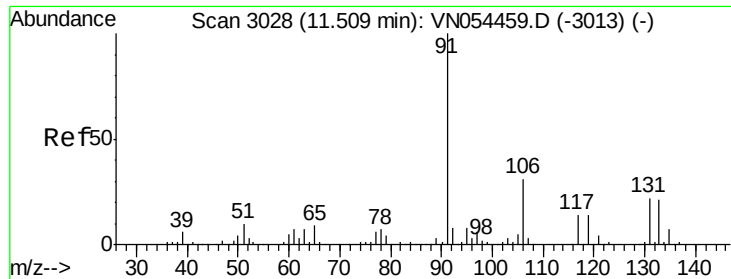
MMDadoda
3/25/2019 10:07:41 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.492 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion:131 Resp: 88100
Ion Ratio Lower Upper
131 100
133 98.5 47.6 142.9
119 69.1 32.4 97.0





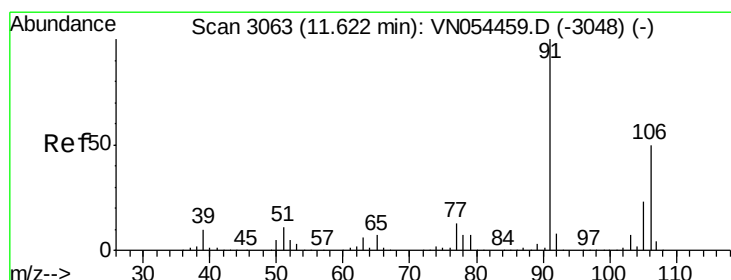
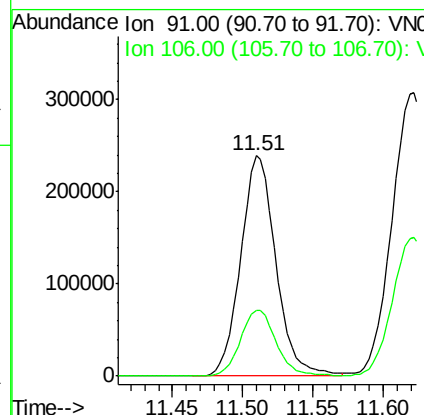
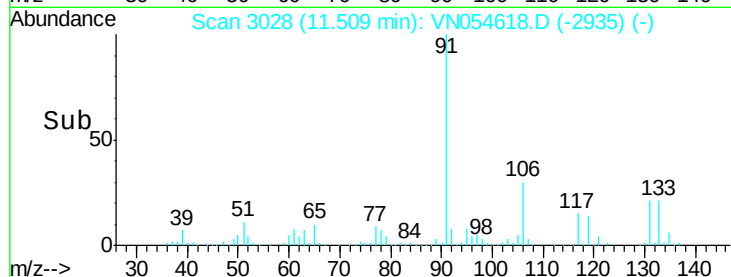
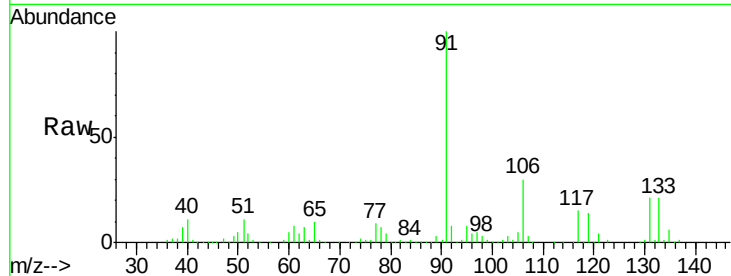
#67
Ethyl Benzene
Concen: 19.827 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampled :
VN0323MBS01

Tot Ion: 91 Resp: 419508
Ion Ratio Lower Upper
91 100
106 29.8 25.5 38.3

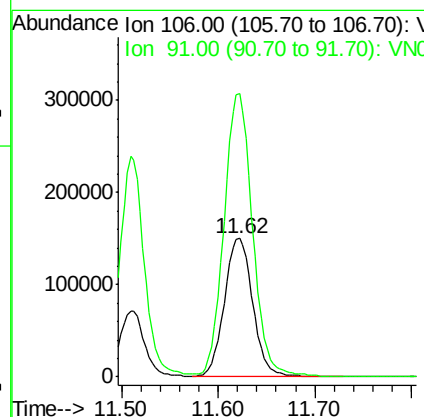
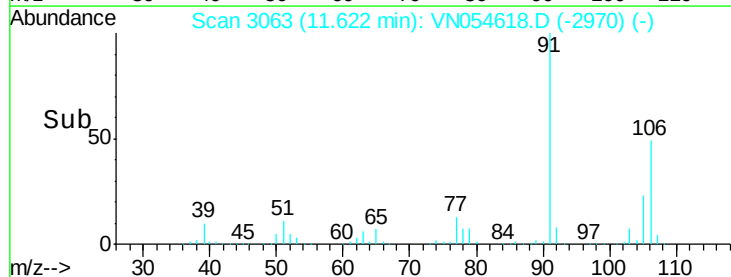
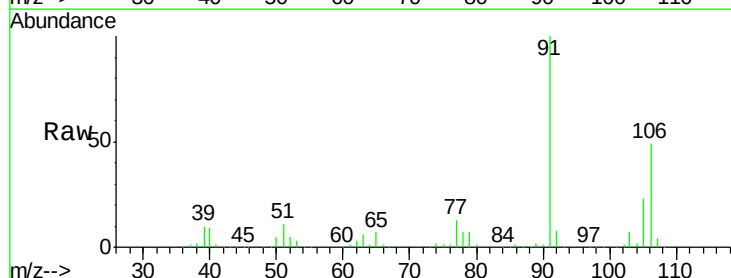
Manual Integrations
APPROVED

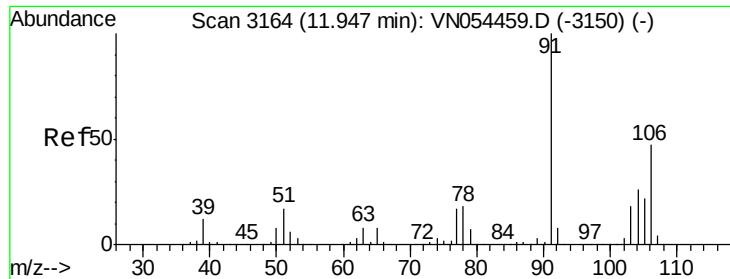
MMDadoda
3/25/2019 10:07:41 AM



#68
m/p-Xylenes
Concen: 38.457 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion: 106 Resp: 308208
Ion Ratio Lower Upper
106 100
91 205.1 159.4 239.2





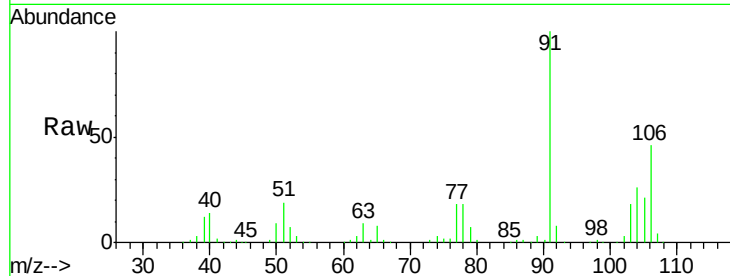
#69
o-Xylene
Concen: 19.516 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampled :
VN0323MBS01

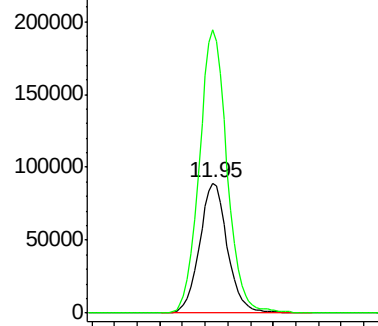
Tot Ion:106 Resp: 152746
Ion Ratio Lower Upper
106 100
91 217.0 105.7 317.1

Manual Integrations
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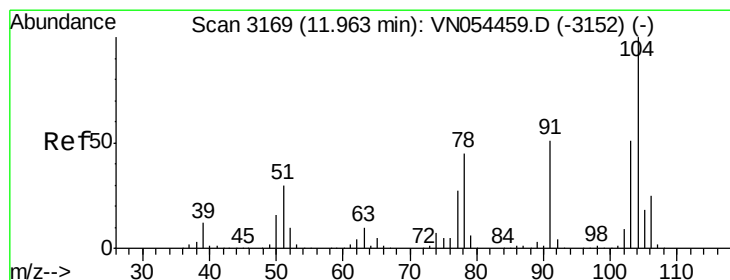
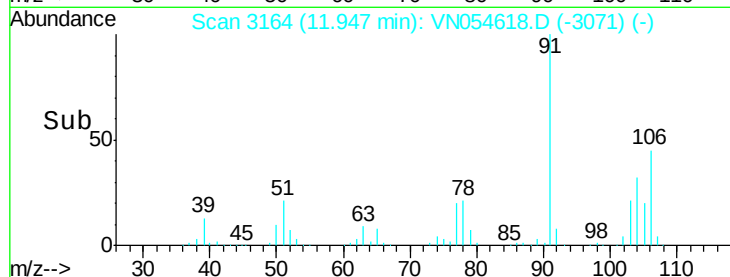
MMDadoda
3/25/2019 10:07:41 AM



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

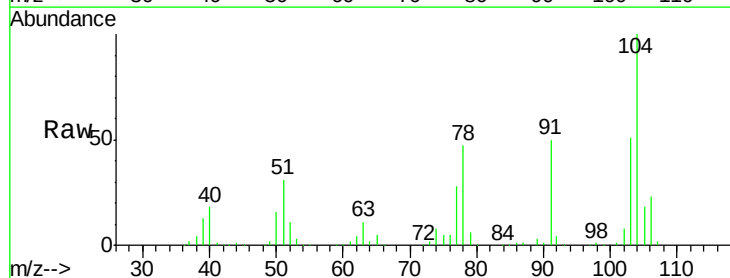


Time-->

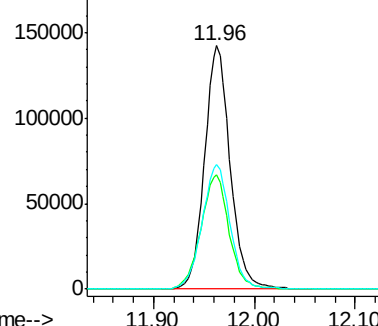


#70
Styrene
Concen: 19.754 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

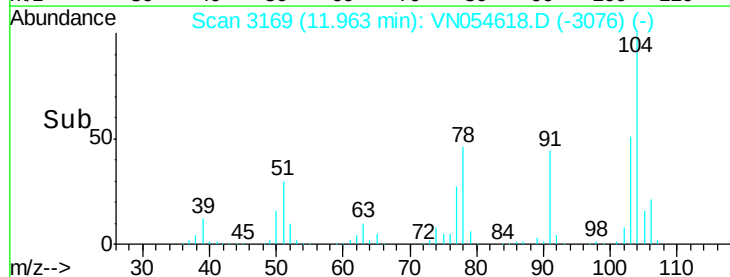
Tgt Ion:104 Resp: 251076
Ion Ratio Lower Upper
104 100
78 51.7 38.2 57.2
103 55.9 44.4 66.6

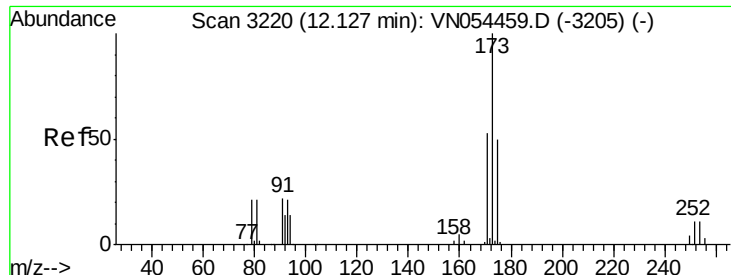


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V



Time-->





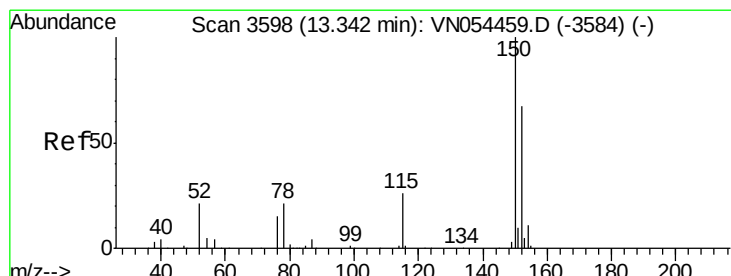
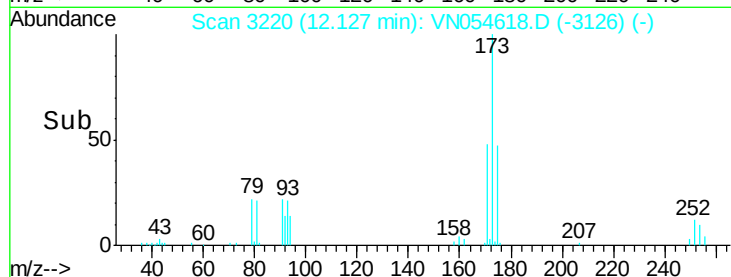
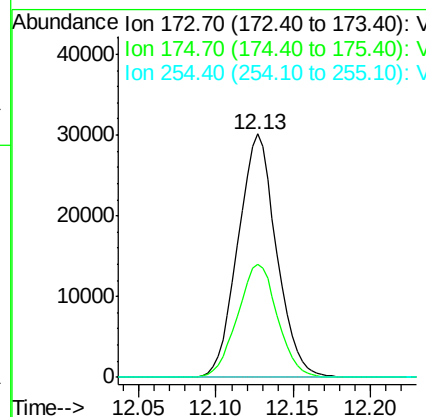
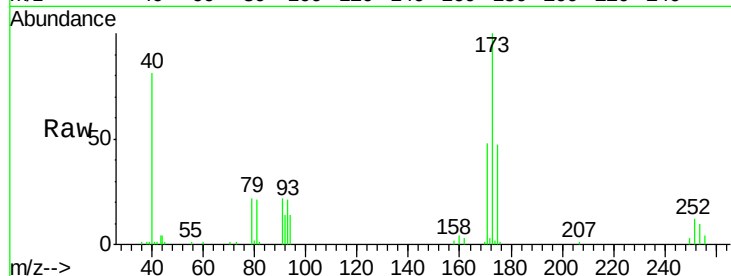
#71
Bromoform
Concen: 19.015 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.2
254	0.0	0.1	0.1#

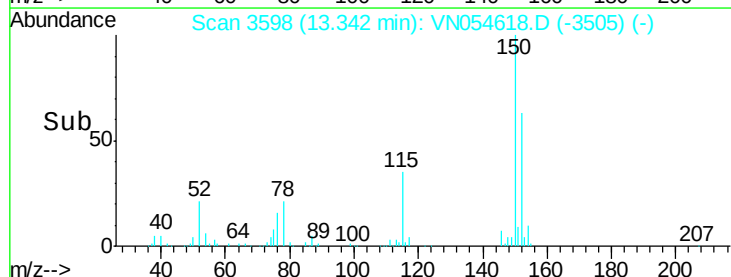
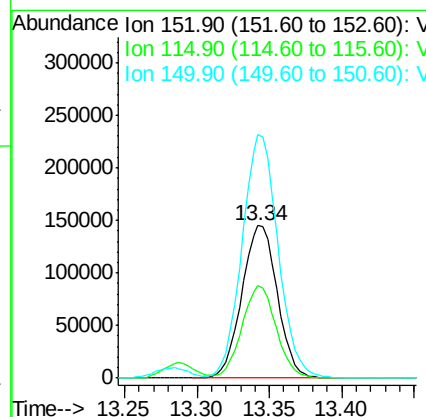
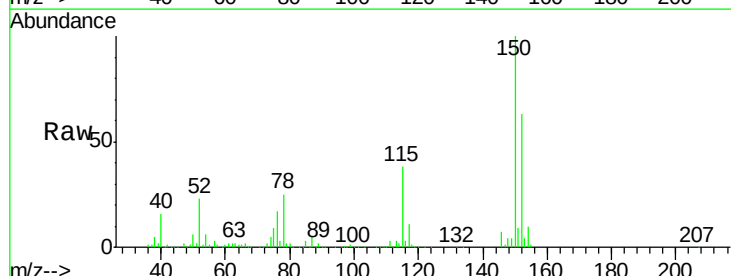
Manual Integrations
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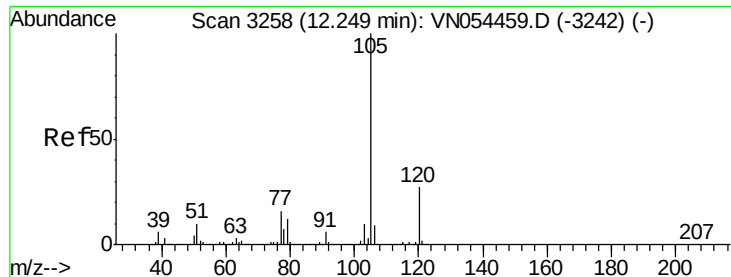
MMDadoda
3/25/2019 10:07:41 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	27.2	81.6
150	162.0	0.0	349.2





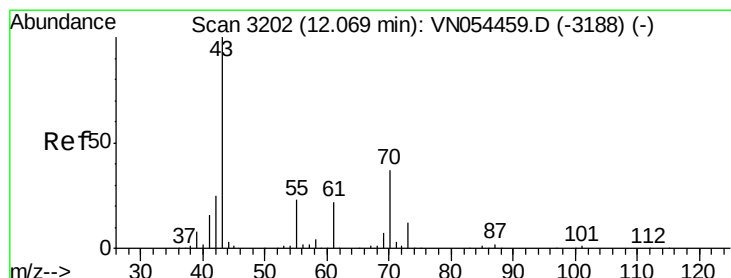
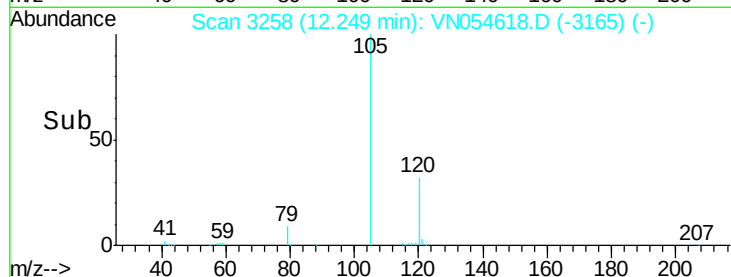
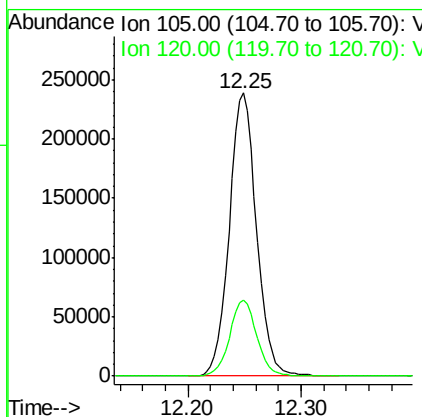
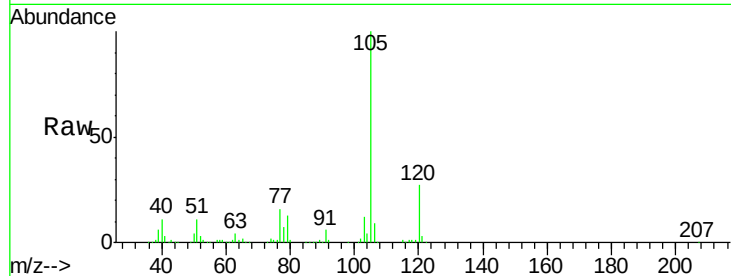
#73
Isopropylbenzene
Concen: 20.017 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampled :
VN0323MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.8	41.3

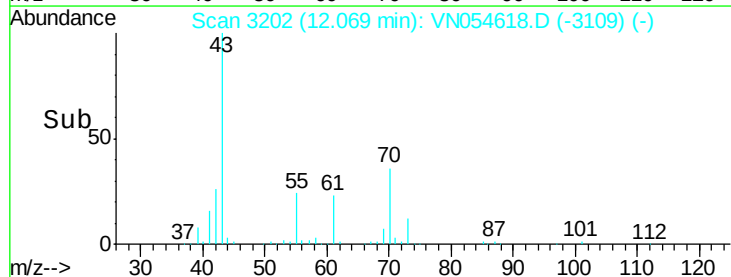
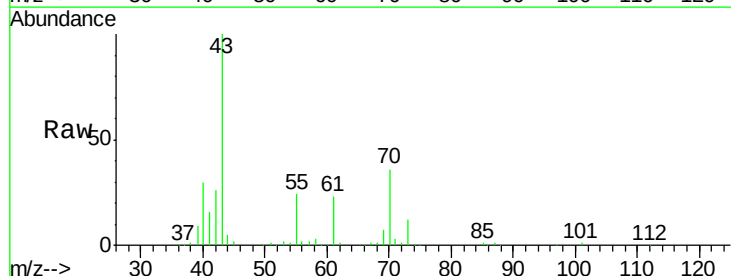
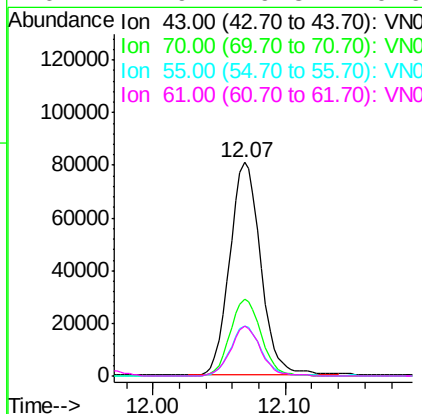
Manual Integrations
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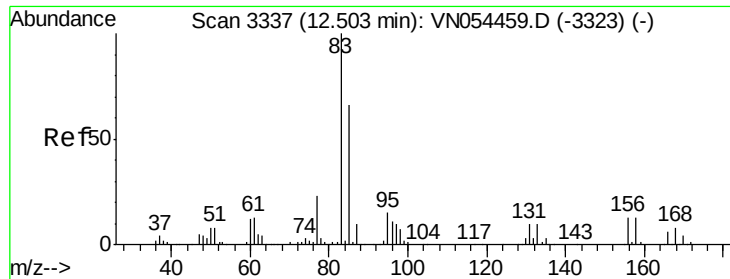
MMDadoda
3/25/2019 10:07:41 AM



#74
N-ethyl acetate
Concen: 22.901 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.4	35.4	53.0
55	23.6	19.8	29.6
61	22.9	19.8	29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.947 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

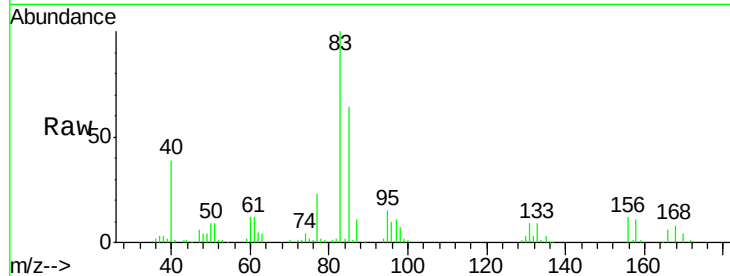
ClientSampleId :

VN0323MBS01

Tot Ion:	83	Resp:	104079
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.8	17.4
85	64.1	32.2	96.6

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3/25/2019 10:07:41 AM

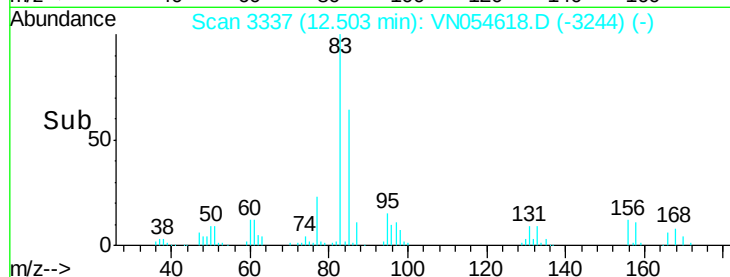


Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-3323) (-)

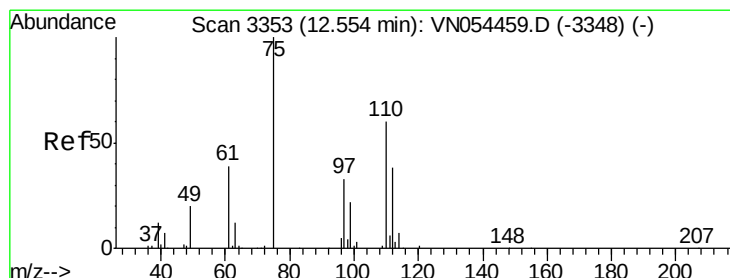
Ion 130.80 (130.50 to 131.50): VN054459.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-3323) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 23.699 ug/l m

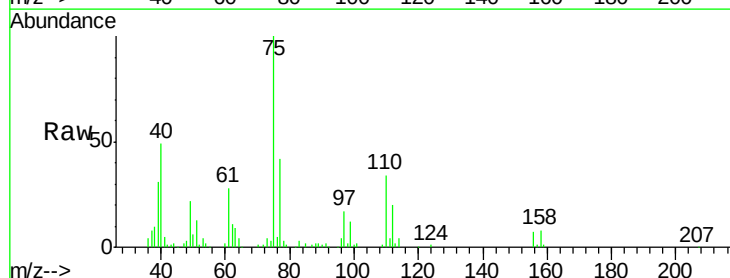
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

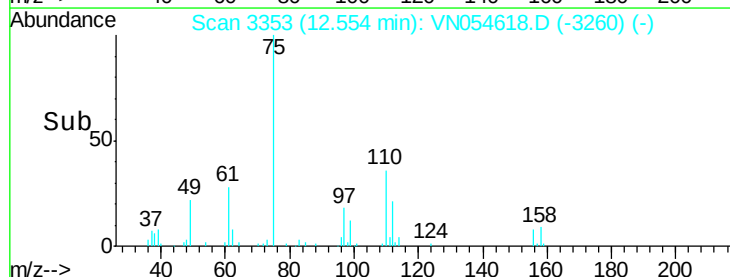
Tgt Ion:	75	Resp:	92726
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



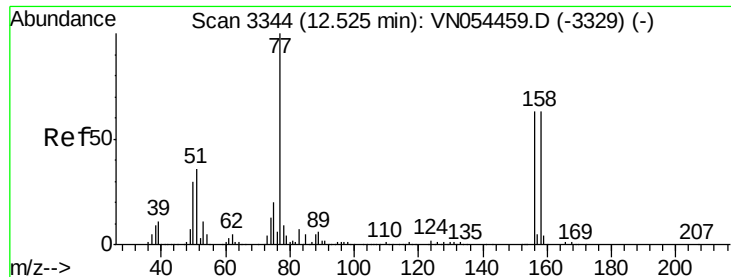
Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054459.D (-3348) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 20.138 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

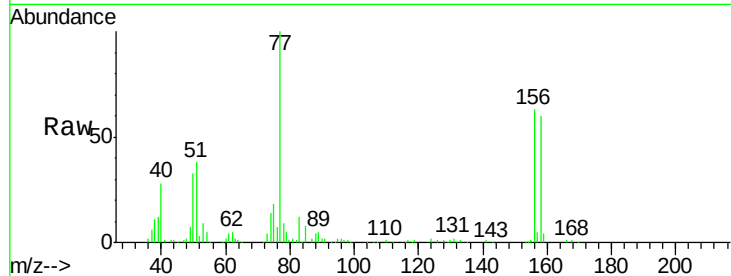
ClientSampled :

VN0323MBS01

Tot Ion:	156	Resp:	99237
Ion Ratio	Lower	Upper	
156	100		
77	192.0	81.5	244.4
158	96.4	49.0	147.2

Manual Integrations
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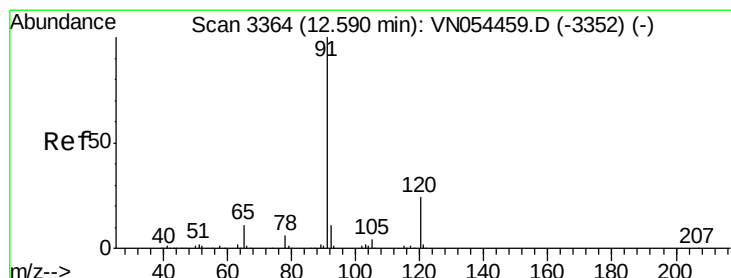
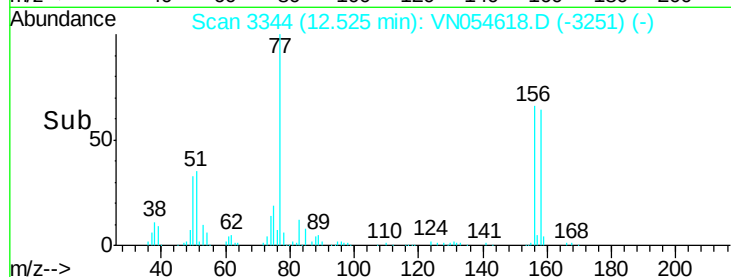
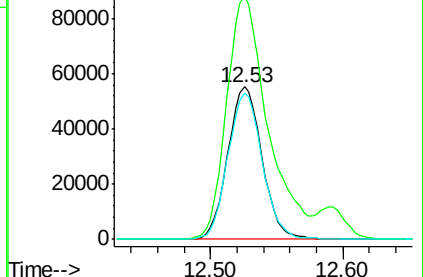
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.024 ug/l

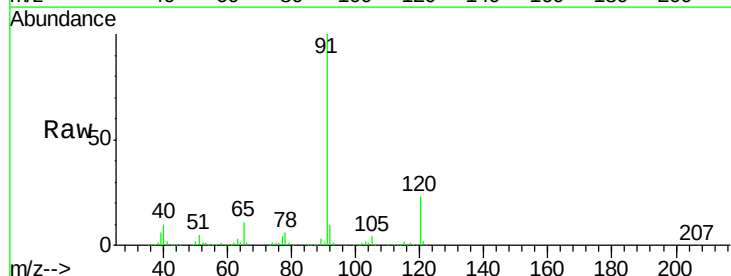
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054618.D

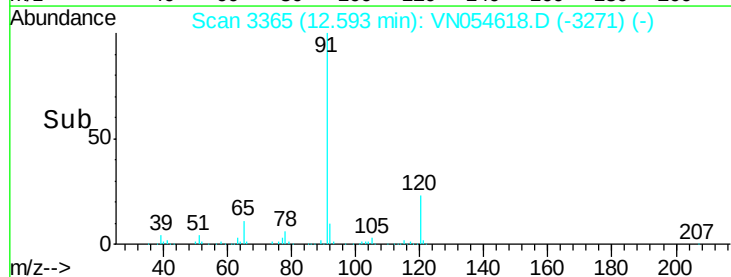
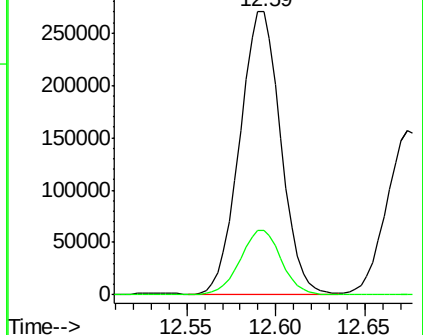
Acq: 23 Mar 2019 22:23

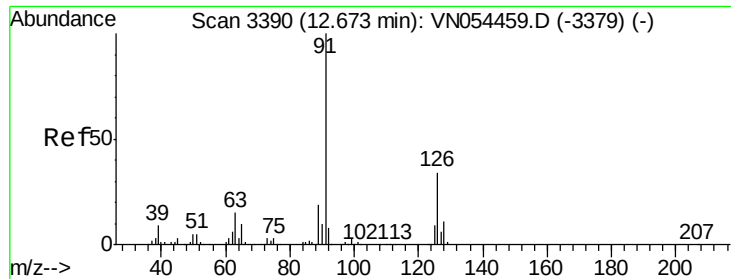
Tgt Ion:	91	Resp:	431422
Ion Ratio	Lower	Upper	
91	100		
120	23.1	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.991 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampled :

VN0323MBS01

Tot Ion: 91 Resp: 268595

Ion Ratio Lower Upper

91 100

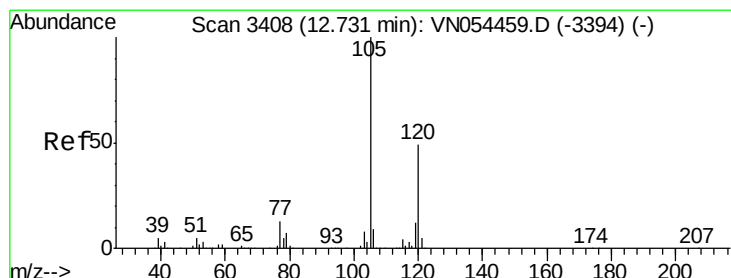
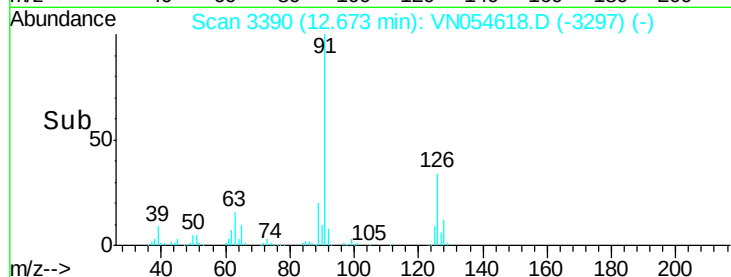
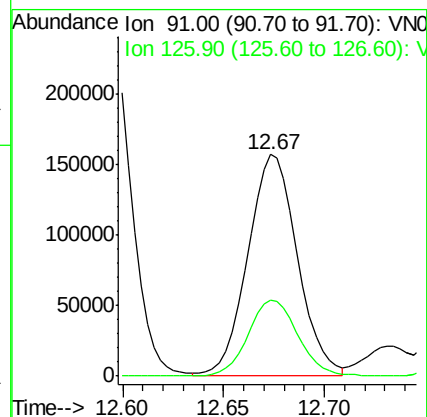
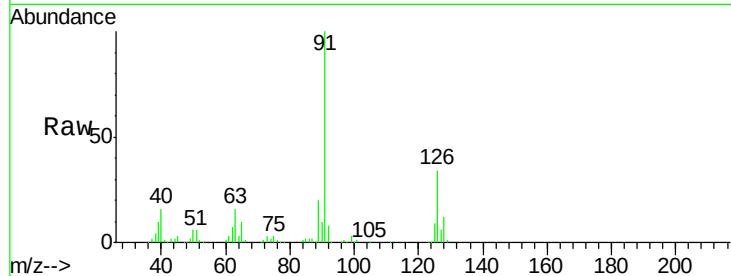
126 34.9 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.082 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054618.D

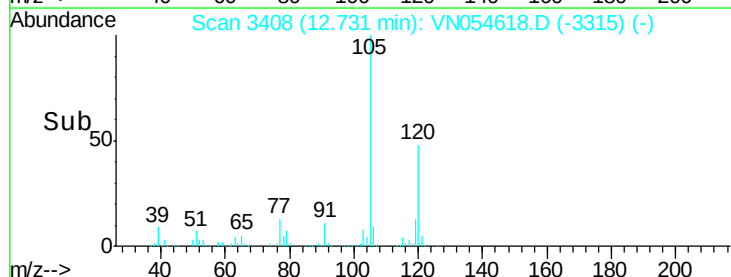
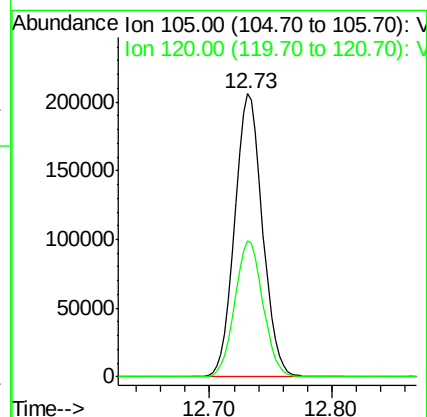
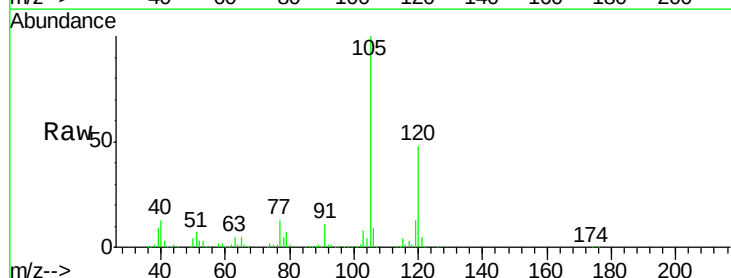
Acq: 23 Mar 2019 22:23

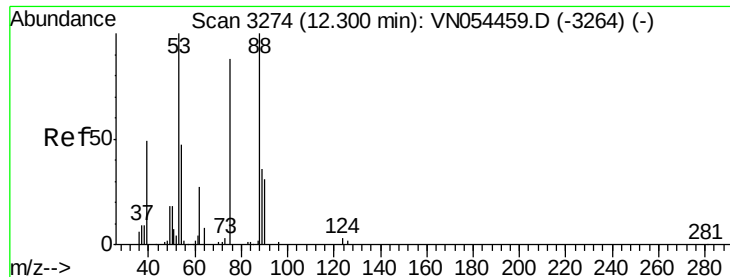
Tgt Ion: 105 Resp: 327023

Ion Ratio Lower Upper

105 100

120 48.6 25.0 75.0





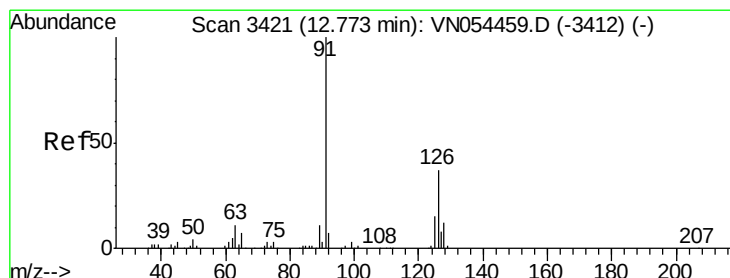
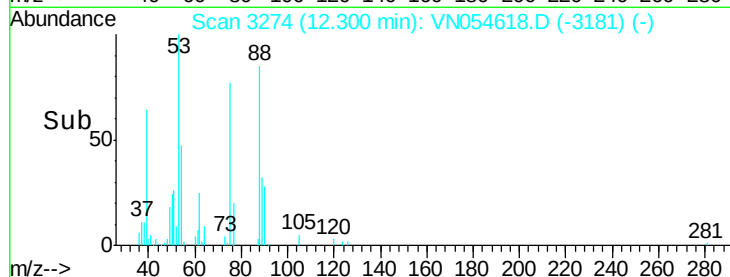
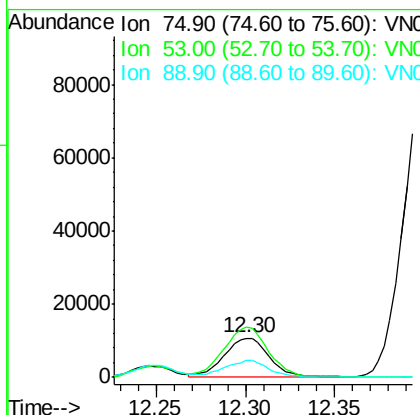
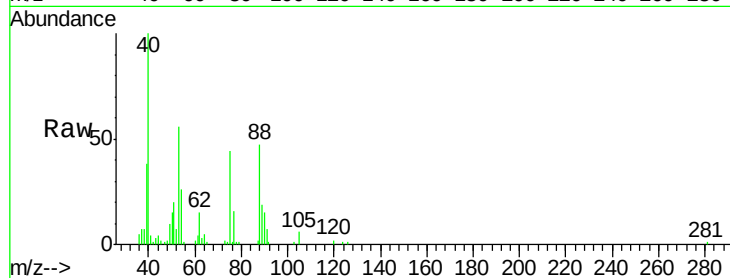
#81
trans-1,4-Dichloro-2-butene
Concen: 18.259 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampled :
VN0323MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	134.4	76.2	114.2#
89	44.2	39.2	58.8

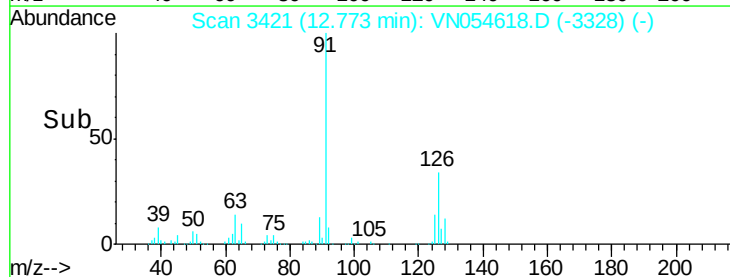
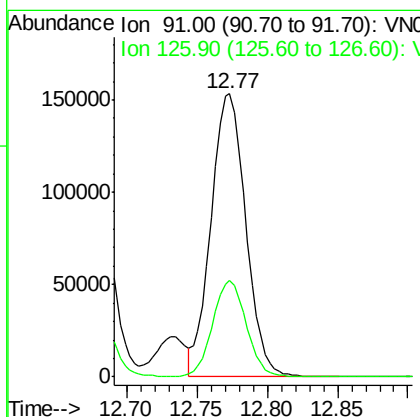
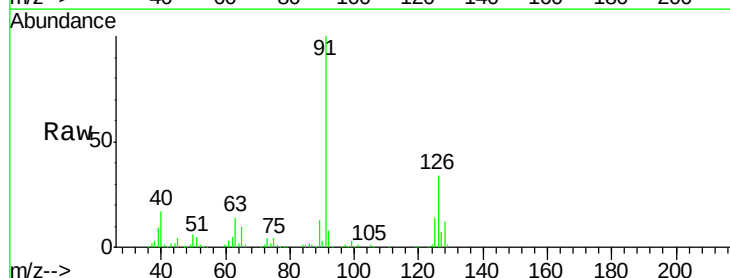
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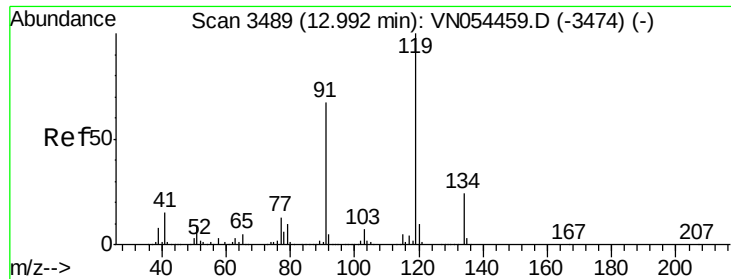
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#82
4-Chlorotoluene
Concen: 20.107 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	18.1	54.1





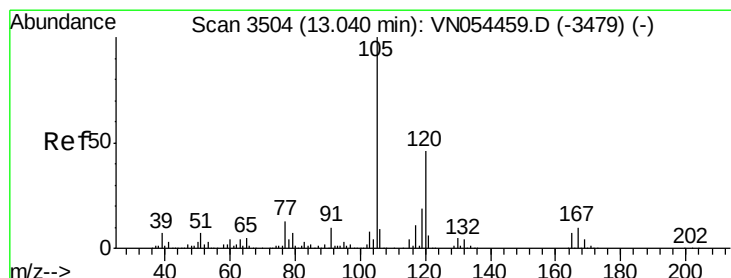
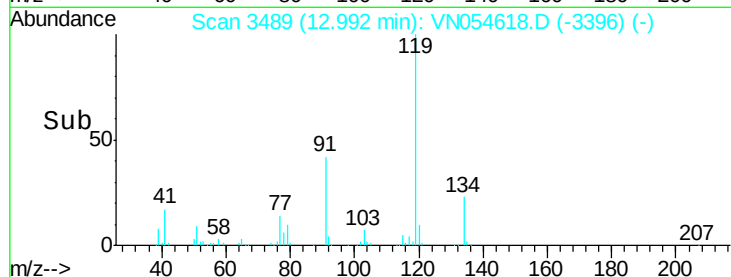
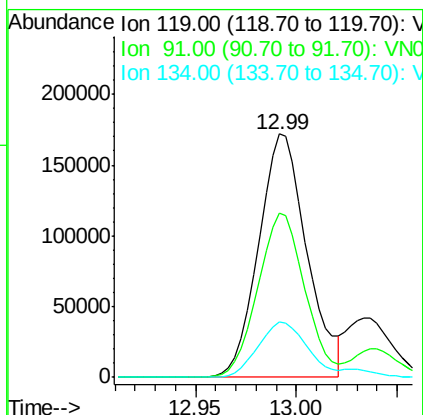
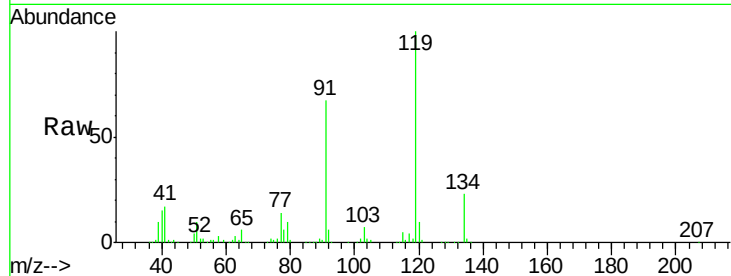
#83
 tert-Butylbenzene
 Concen: 20.211 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.7	30.9	92.8
134	23.1	13.2	39.6

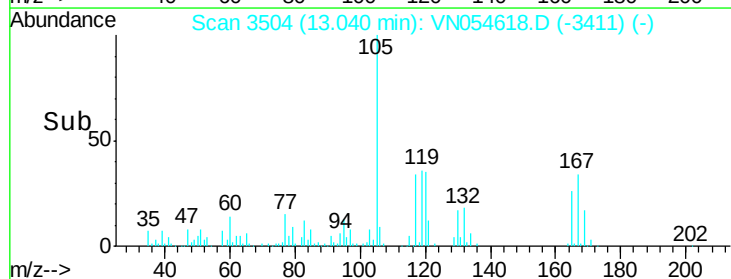
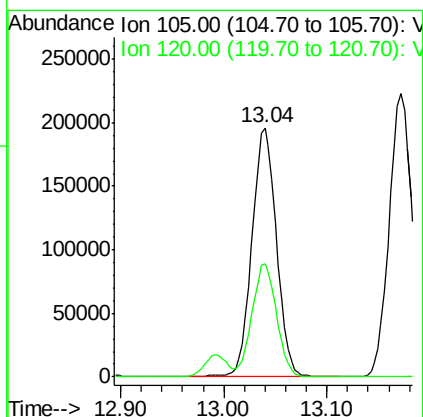
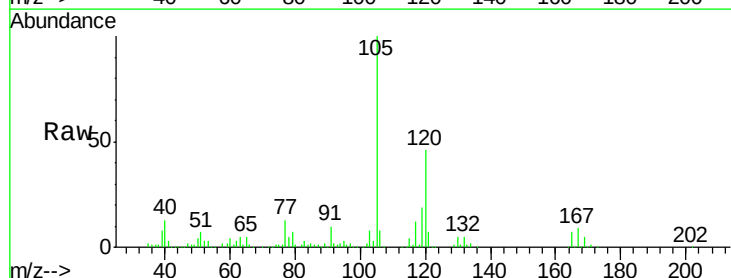
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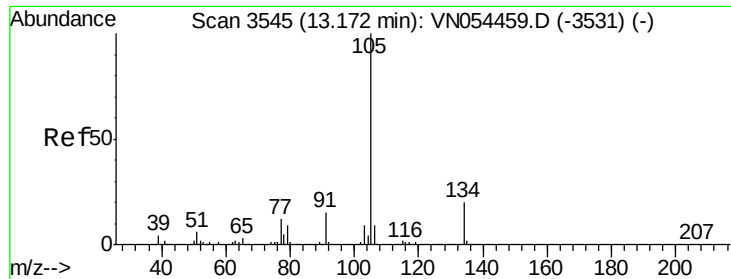
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.202 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.4	70.3





#85

sec-Butylbenzene

Concen: 19.796 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBS01

Tot Ion:105 Resp: 349803

Ion Ratio Lower Upper

105 100

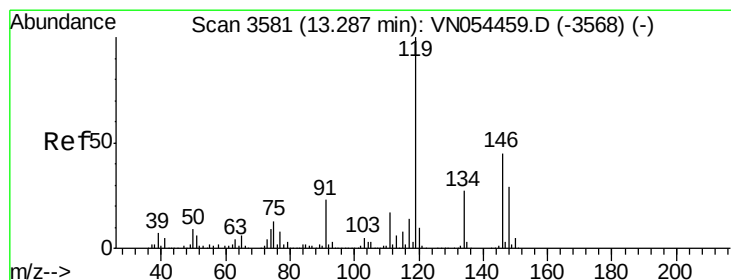
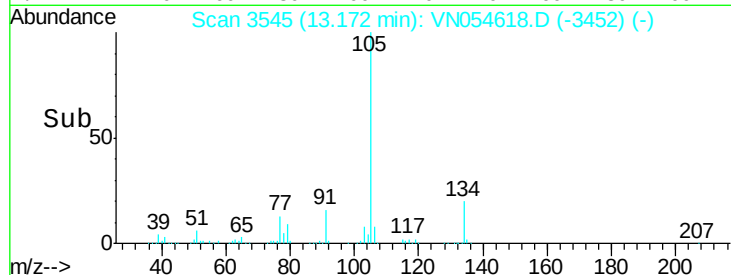
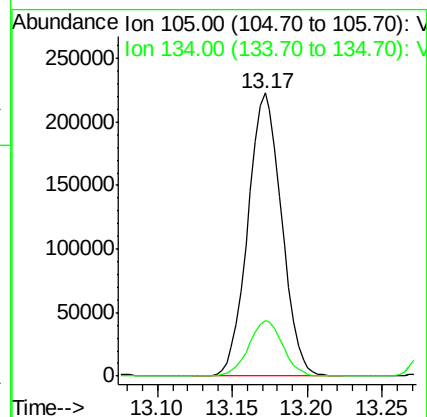
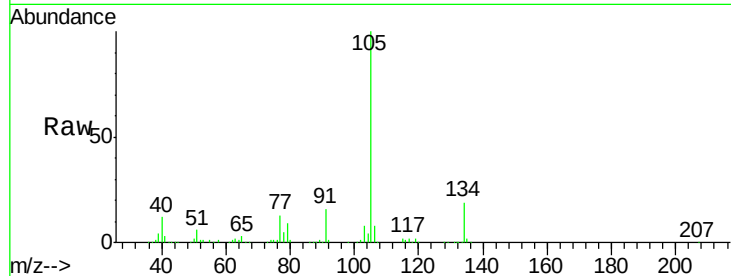
134 19.8 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 19.129 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

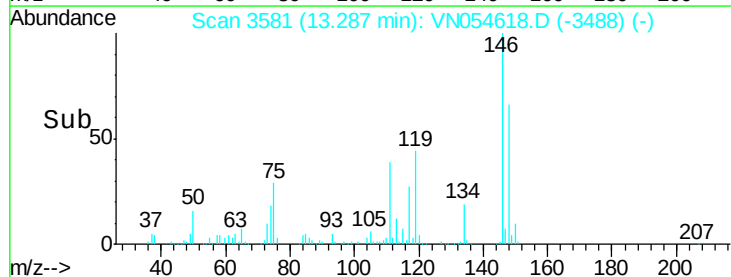
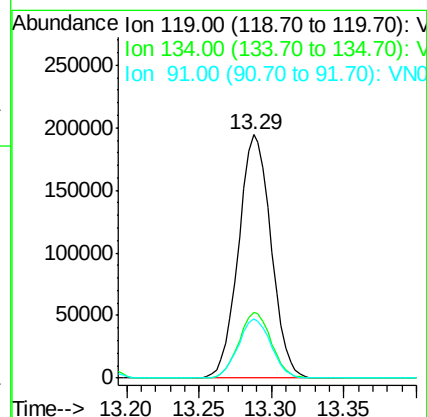
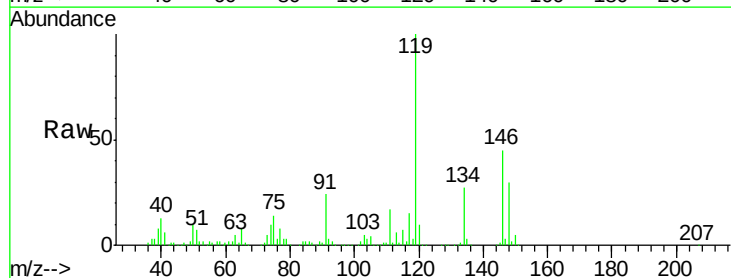
Tgt Ion:119 Resp: 302397

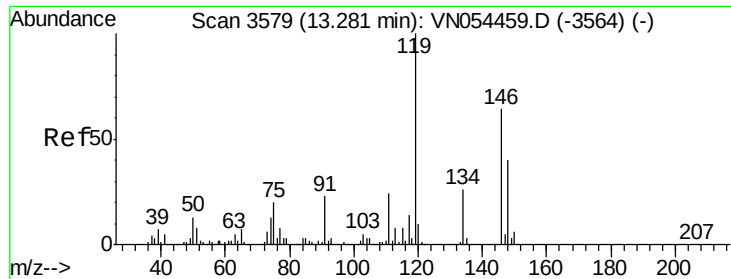
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 24.5 11.1 33.3





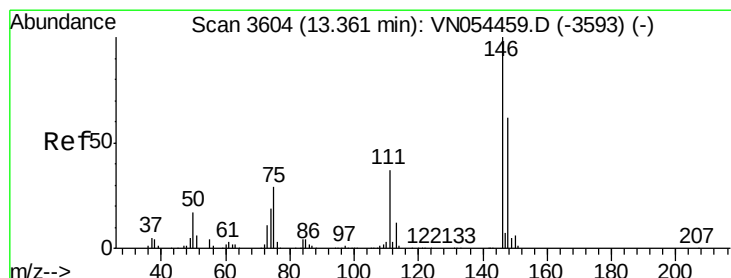
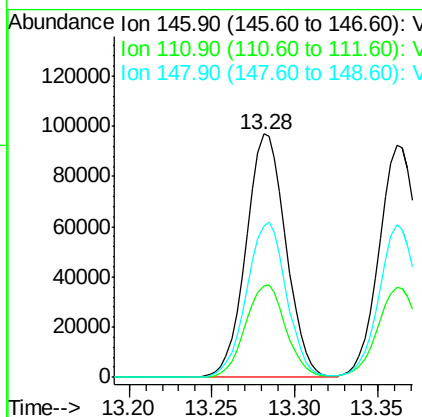
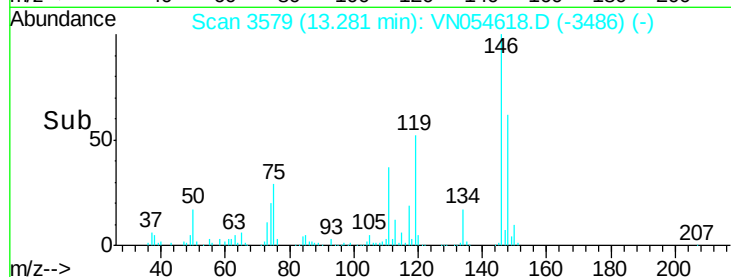
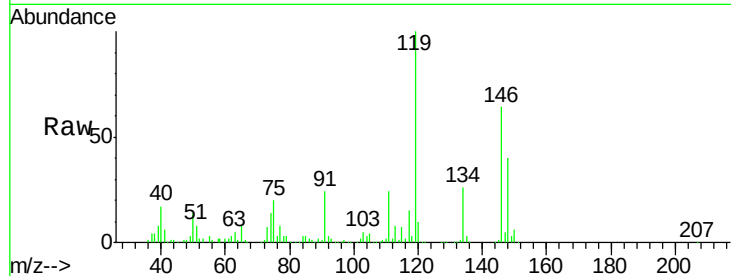
#87
 1,3-Dichlorobenzene
 Concen: 19.787 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.8	56.3
148	64.0	32.2	96.6

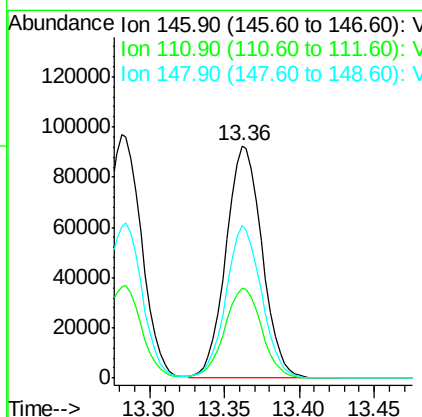
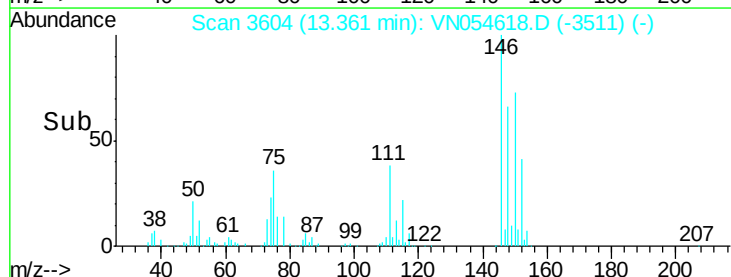
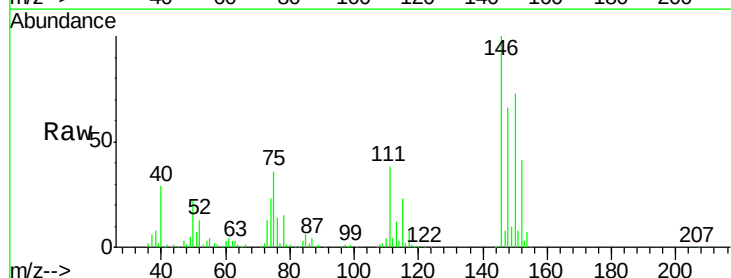
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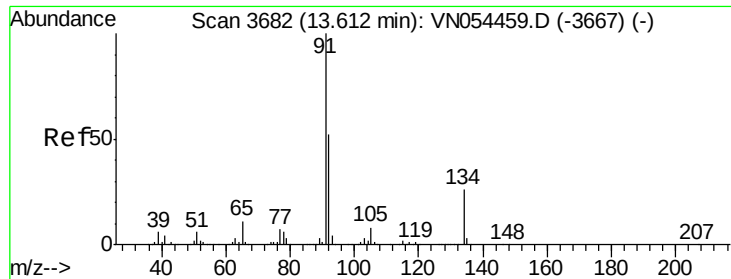
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#88
 1,4-Dichlorobenzene
 Concen: 19.606 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.1	54.1
148	64.7	32.0	96.0





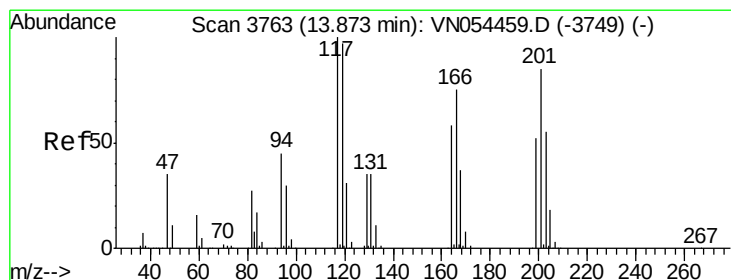
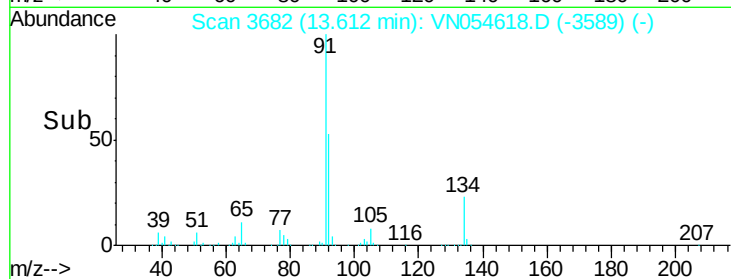
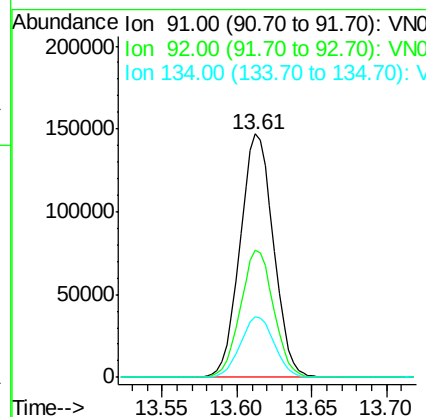
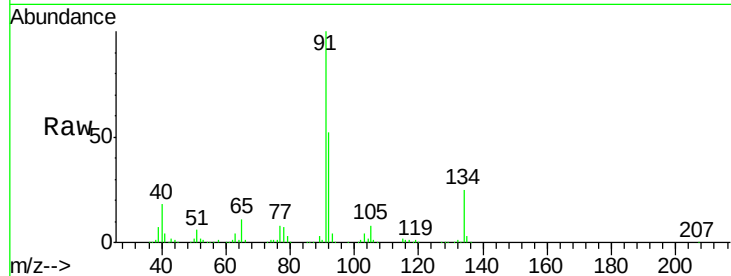
#89
n-Butylbenzene
Concen: 18.503 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.2	78.6
134	25.2	14.3	42.9

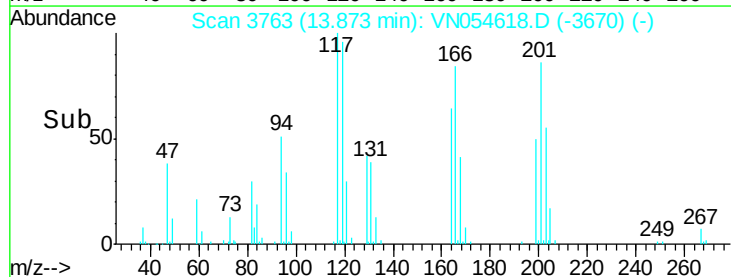
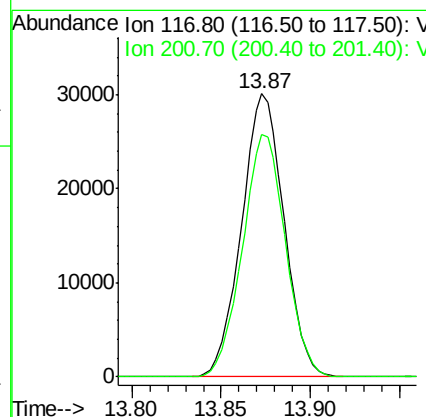
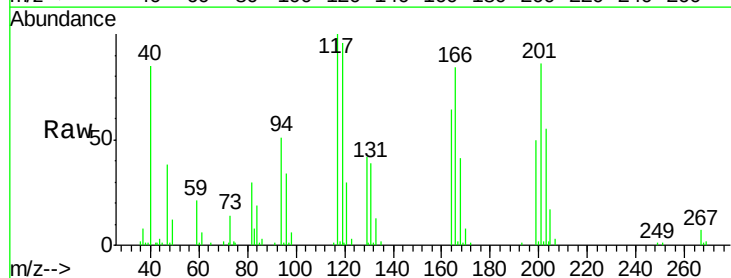
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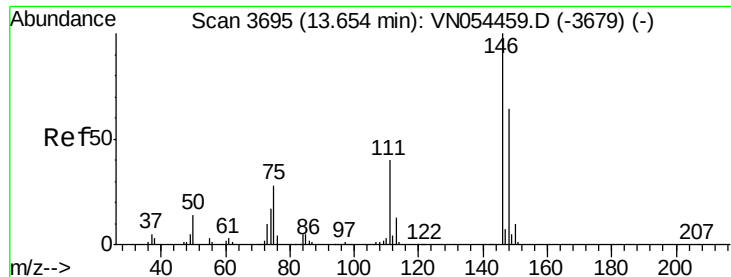
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#90
Hexachloroethane
Concen: 20.366 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	48.1	144.4





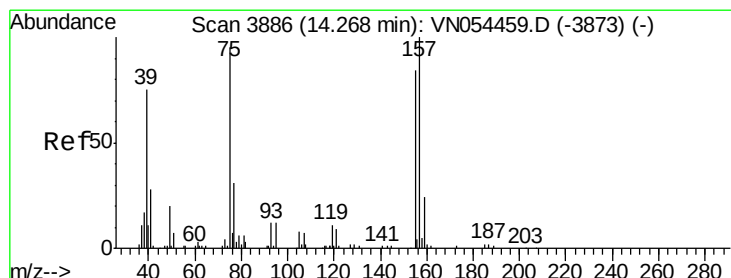
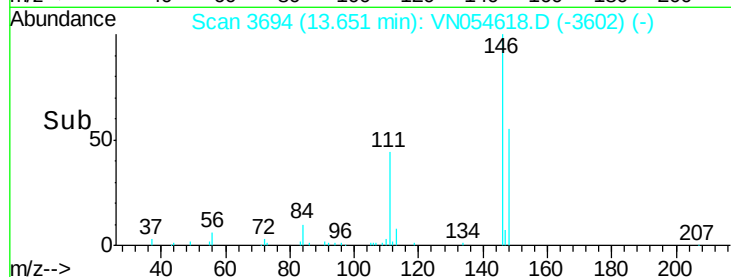
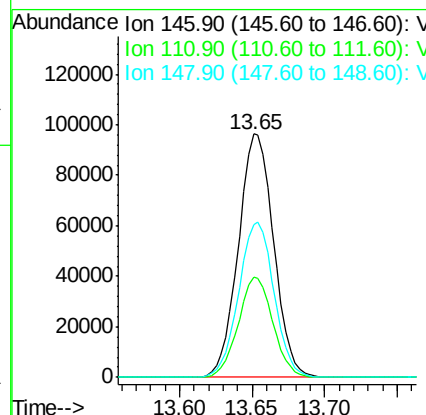
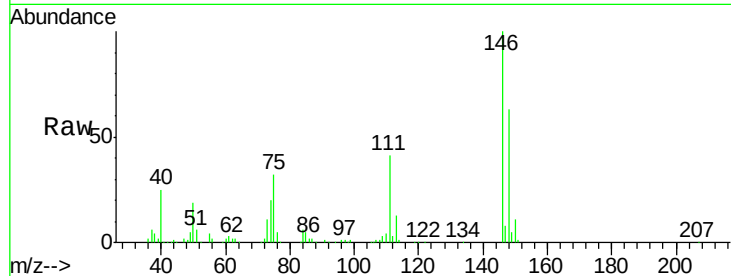
#91
 1,2-Dichlorobenzene
 Concen: 20.642 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.1	57.3
148	63.8	32.4	97.0

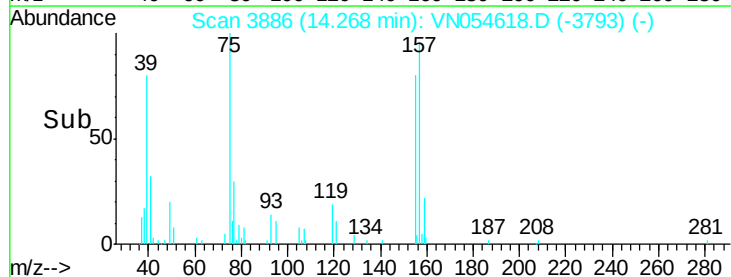
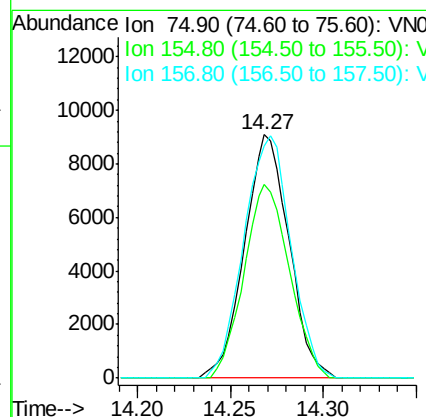
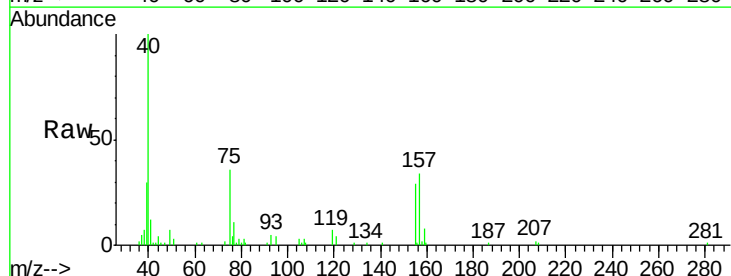
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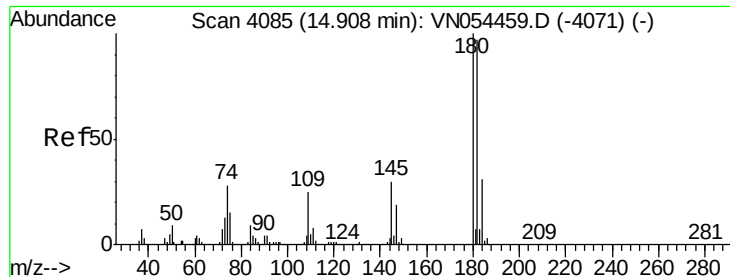
MMDadoda
 3/25/2019 10:07:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.681 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	50.1	150.3
157	105.7	63.1	189.3





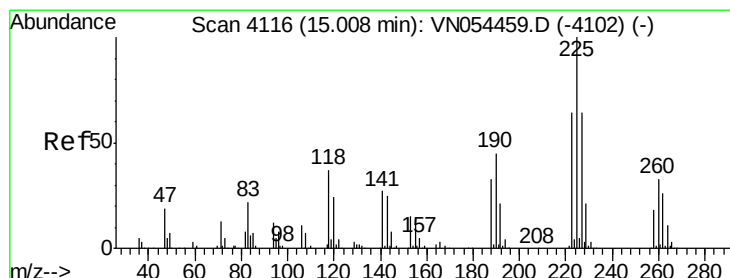
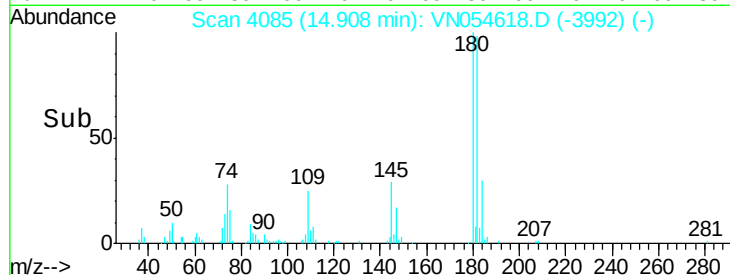
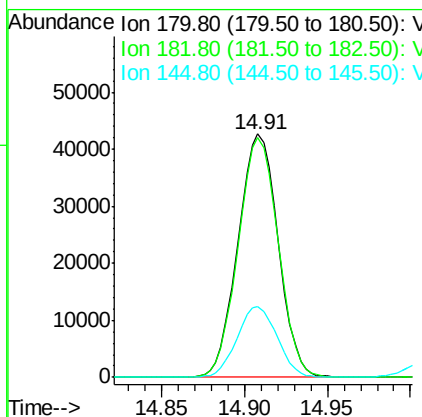
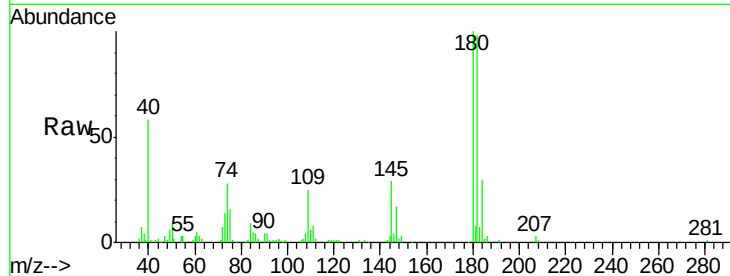
#93
 1,2,4-Trichlorobenzene
 Concen: 18.230 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	48.0	144.2
145	29.1	14.2	42.8

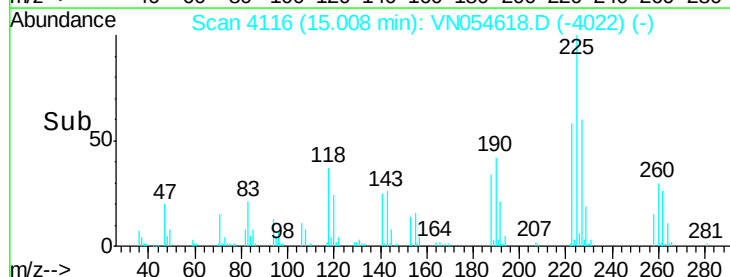
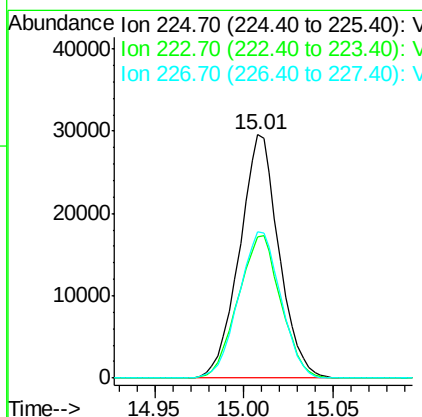
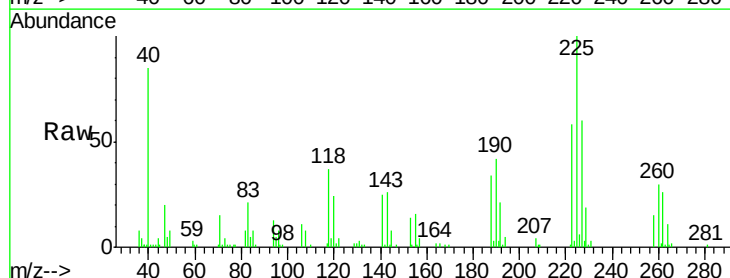
Manual Integrations
 APPROVED

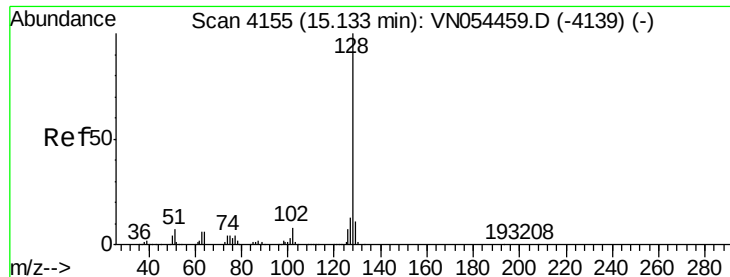
MMDadoda
 3/25/2019 10:07:41 AM



#94
 Hexachlorobutadiene
 Concen: 19.054 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.1	93.5
227	64.0	31.9	95.9





#95

Naphthalene

Concen: 18.861 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

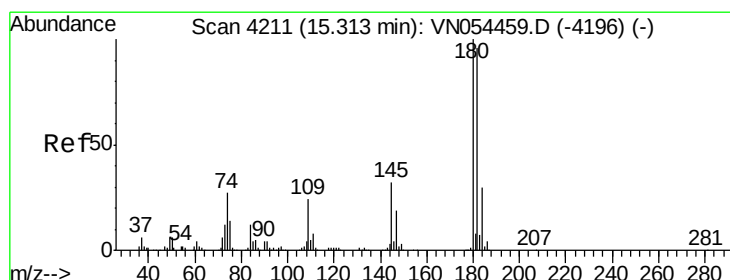
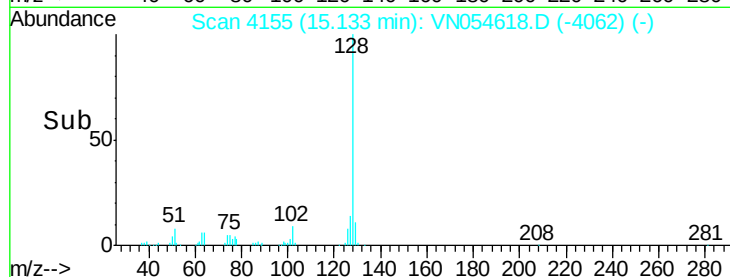
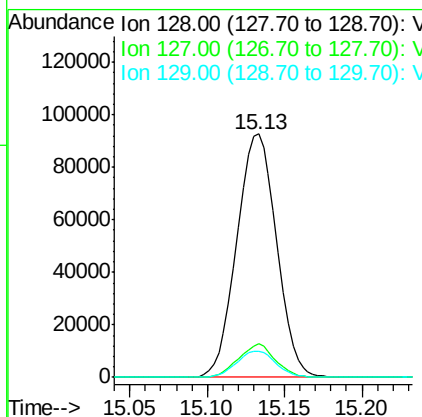
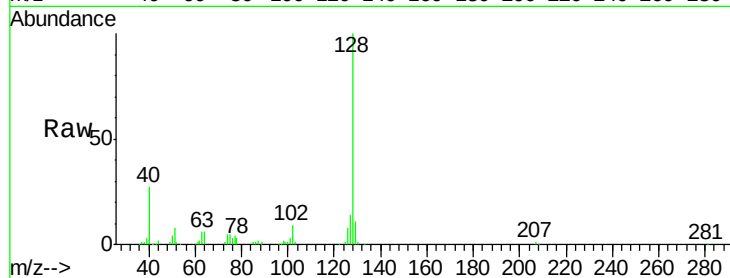
ClientSampleId :

VN0323MBS01

Tot Ion:	128	Resp:	165889
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/25/2019 10:07:41 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.054 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Tgt Ion:	180	Resp:	74776
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.5	142.6
145	31.2	14.8	44.3

