

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056249.D
 Acq On : 12 Jun 2019 15:24
 Operator : JC/SP
 Sample : VN0612WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS02

Quant Time: Jun 13 04:32:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	271574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	383696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	343674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139445	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	134699	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
35) Dibromofluoromethane	7.59	113	124826	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
50) Toluene-d8	10.09	98	447022	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.40	95	144479	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	53772	18.250	ug/l	99
3) Chloromethane	2.06	50	56183	19.085	ug/l	100
4) Vinyl Chloride	2.18	62	57957	19.627	ug/l	99
5) Bromomethane	2.55	94	38782	20.790	ug/l	98
6) Chloroethane	2.69	64	33190	19.385	ug/l	99
7) Trichlorofluoromethane	3.01	101	76637	20.329	ug/l	99
8) Diethyl Ether	3.40	74	30167	19.459	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	48415	21.142	ug/l	99
10) Methyl Iodide	3.94	142	63701	17.504	ug/l	99
11) Tert butyl alcohol	4.82	59	40523	86.357	ug/l	97
12) 1,1-Dichloroethene	3.73	96	45287	19.864	ug/l	95
13) Acrolein	3.60	56	9359	69.154	ug/l	99
14) Allyl chloride	4.31	41	72906	20.252	ug/l	98
15) Acrylonitrile	4.99	53	129177	113.086	ug/l	100
16) Acetone	3.82	43	130407	101.118	ug/l	100
17) Carbon Disulfide	4.04	76	102236	18.729	ug/l	100
18) Methyl Acetate	4.33	43	61536	23.991	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	144941	19.945	ug/l	99
20) Methylene Chloride	4.54	84	54127	20.372	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	48324	19.783	ug/l	95
22) Diisopropyl ether	5.96	45	152548	20.499	ug/l	99
23) Vinyl Acetate	5.90	43	601620	102.660	ug/l	100
24) 1,1-Dichloroethane	5.85	63	89017	20.737	ug/l	99
25) 2-Butanone	6.84	43	177814	109.126	ug/l	99
26) 2,2-Dichloropropane	6.82	77	61200	18.271	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	58104	20.236	ug/l	96
28) Bromochloromethane	7.19	49	44309	21.827	ug/l	96
29) Tetrahydrofuran	7.22	42	112347	111.542	ug/l	99
30) Chloroform	7.37	83	92975	21.531	ug/l	99
31) Cyclohexane	7.65	56	78722	18.398	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	76955	21.341	ug/l	99
36) 1,1-Dichloropropene	7.79	75	64910	19.674	ug/l	99
37) Ethyl Acetate	6.93	43	67109	22.861	ug/l	99
38) Carbon Tetrachloride	7.77	117	66710	21.932	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	76695	18.661	ug/l	98
40) Benzene	8.04	78	207924	20.750	ug/l	100
41) Methacrylonitrile	7.18	41	29716	22.002	ug/l	89
42) 1,2-Dichloroethane	8.12	62	68433	21.231	ug/l	99
43) Isopropyl Acetate	8.17	43	98328	20.670	ug/l #	91
44) Trichloroethene	8.83	130	61243	21.269	ug/l	99
45) 1,2-Dichloropropane	9.12	63	55078	21.459	ug/l	99
46) Dibromomethane	9.21	93	38058	22.675	ug/l	98
47) Bromodichloromethane	9.40	83	71577	23.530	ug/l	99
48) Methyl methacrylate	9.20	41	49174	21.130	ug/l	98
49) 1,4-Dioxane	9.21	88	21735	432.605	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	331690	111.502	ug/l	100
52) Toluene	10.16	92	127693	20.479	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	62824	19.168	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	76130	20.820	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	55621	22.519	ug/l	97
56) Ethyl methacrylate	10.43	69	74267	20.610	ug/l	99
57) 1,3-Dichloropropane	10.71	76	87217	21.722	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	121108	94.600	ug/l	100
59) 2-Hexanone	10.75	43	233942	108.506	ug/l	99
60) Dibromochloromethane	10.90	129	58706	22.946	ug/l	98
61) 1,2-Dibromoethane	11.01	107	55941	22.155	ug/l	100
64) Tetrachloroethene	10.63	164	60330	20.280	ug/l	99
65) Chlorobenzene	11.43	112	140809	20.587	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	55681	23.577	ug/l	98
67) Ethyl Benzene	11.51	91	238580	20.060	ug/l	99
68) m/p-Xylenes	11.62	106	181693	39.991	ug/l	98
69) o-Xylene	11.95	106	88793	19.868	ug/l	100
70) Styrene	11.96	104	142830	20.115	ug/l	100
71) Bromoform	12.13	173	44227	23.824	ug/l #	99
73) Isopropylbenzene	12.25	105	236630	22.474	ug/l	99
74) N-amyl acetate	12.07	43	76206	20.501	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	75005	23.170	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	84748	33.029	ug/l #	100
77) Bromobenzene	12.53	156	64774	21.696	ug/l	94
78) n-propylbenzene	12.59	91	237418	20.125	ug/l	98
79) 2-Chlorotoluene	12.67	91	151649	21.870	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	190999	20.372	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	16398	21.283	ug/l	87
82) 4-Chlorotoluene	12.77	91	139752	20.249	ug/l	99
83) tert-Butylbenzene	12.99	119	174231	22.447	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	182495	20.526	ug/l	97
85) sec-Butylbenzene	13.17	105	217320	20.802	ug/l	100
86) p-Isopropyltoluene	13.29	119	189071	20.222	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	95768	20.726	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	87071	19.589	ug/l	98
89) n-Butylbenzene	13.61	91	122297	17.657	ug/l	99
90) Hexachloroethane	13.87	117	34417	24.408	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	98200	21.050	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11160	24.103	ug/l	91

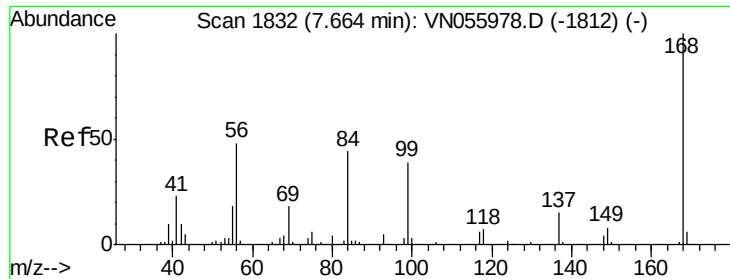
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	33816	16.301	ug/l	99
94) Hexachlorobutadiene	15.01	225	41219	24.707	ug/l	99
95) Naphthalene	15.13	128	88569	16.108	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	41594	17.945	ug/l	100

(#) = 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: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

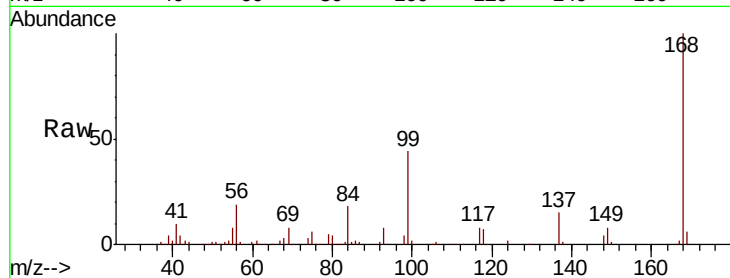
VN0612WBS02

Tot Ion:168 Resp: 271574

Ion Ratio Lower Upper

168 100

99 43.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

120000

100000

80000

60000

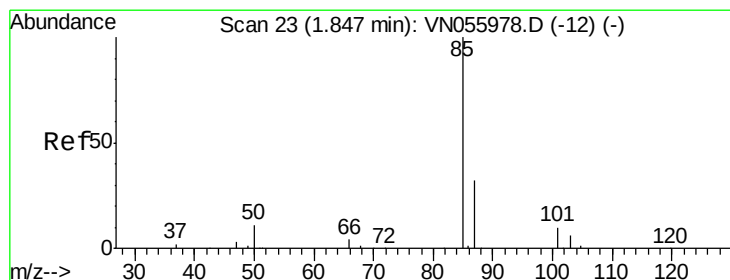
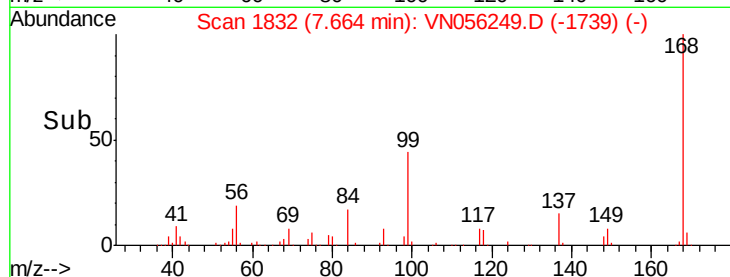
40000

20000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.250 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056249.D

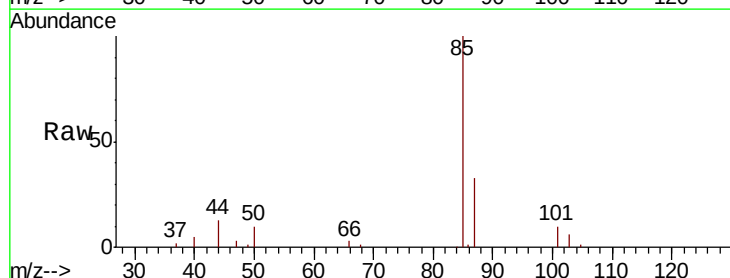
Acq: 12 Jun 2019 15:24

Tgt Ion: 85 Resp: 53772

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055978.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN055978.D (-12) (-)

1.85

40000

30000

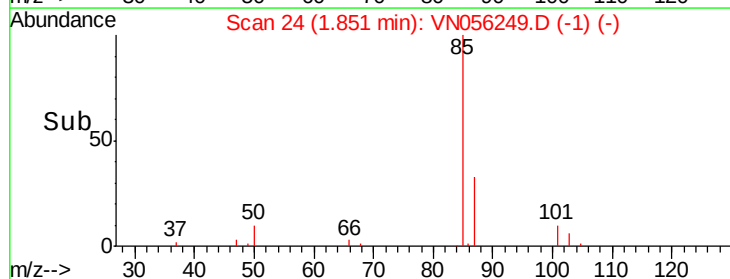
20000

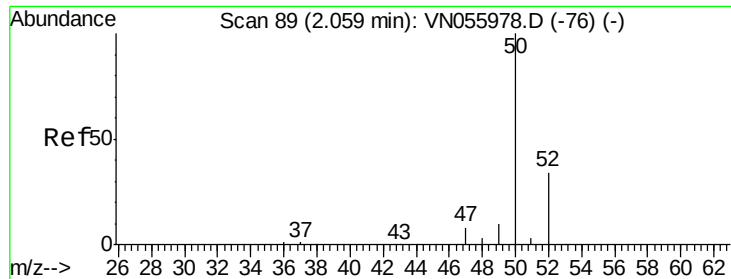
10000

0

1.80 1.85 1.90 1.95

Time-->

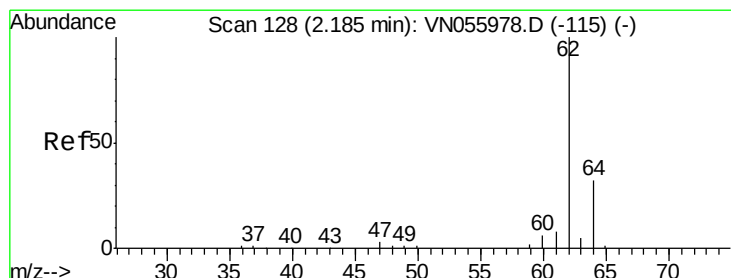
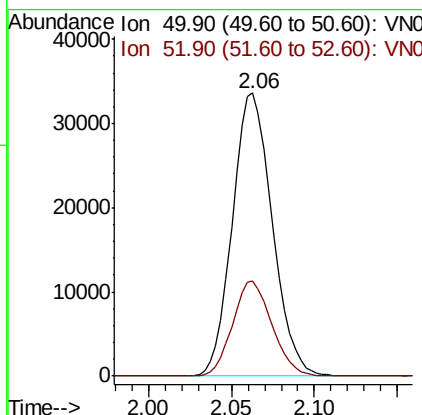
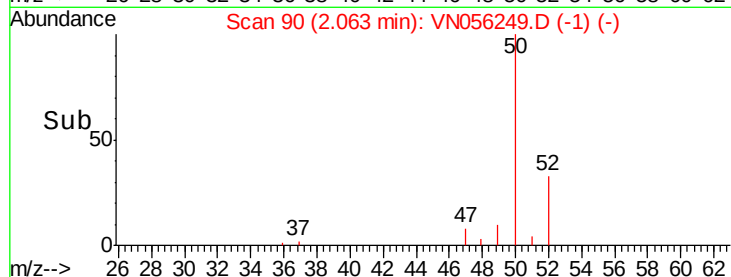
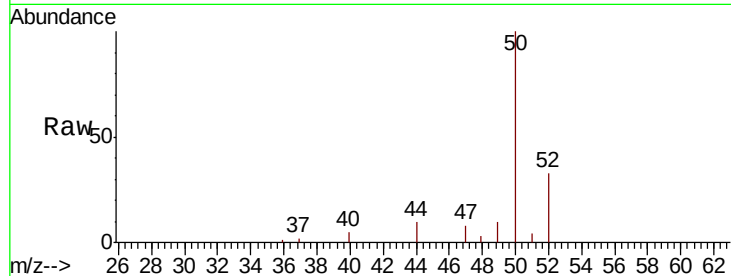




#3
 Chloromethane
 Concen: 19.085 ug/l
 RT: 2.06 min Scan# 90
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

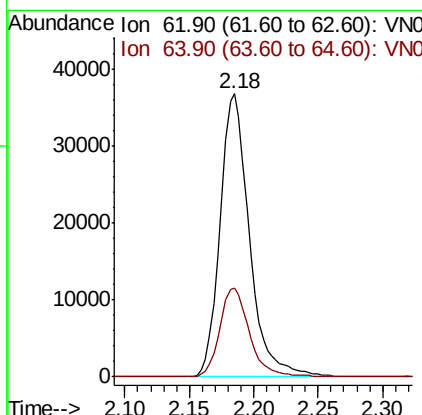
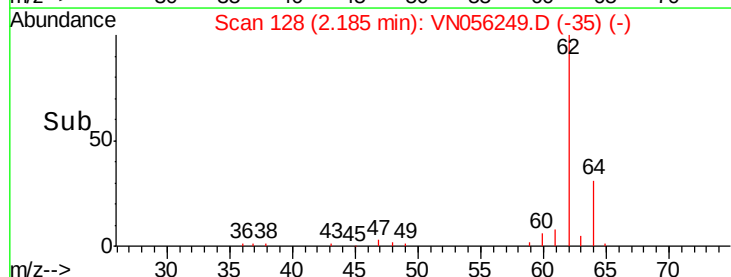
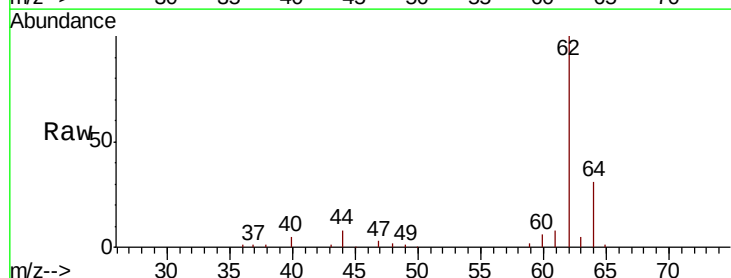
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS02

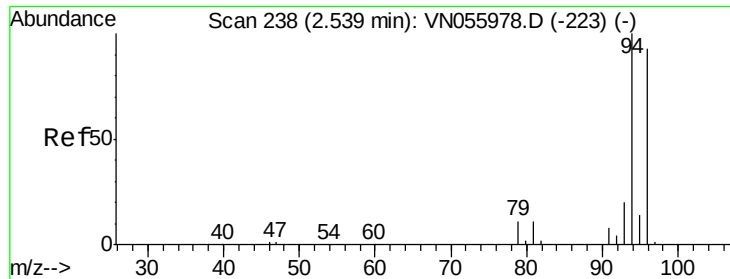
Tot Ion: 50 Resp: 56183
 Ion Ratio Lower Upper
 50 100
 52 33.5 26.6 40.0



#4
 Vinyl Chloride
 Concen: 19.627 ug/l
 RT: 2.18 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion: 62 Resp: 57957
 Ion Ratio Lower Upper
 62 100
 64 31.5 25.6 38.4





#5

Bromomethane

Concen: 20.790 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

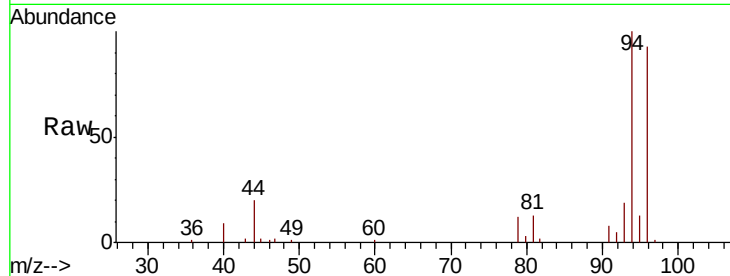
VN0612WBS02

Tot Ion: 94 Resp: 38782

Ion Ratio Lower Upper

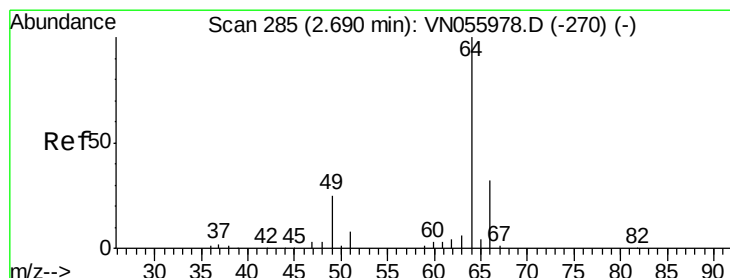
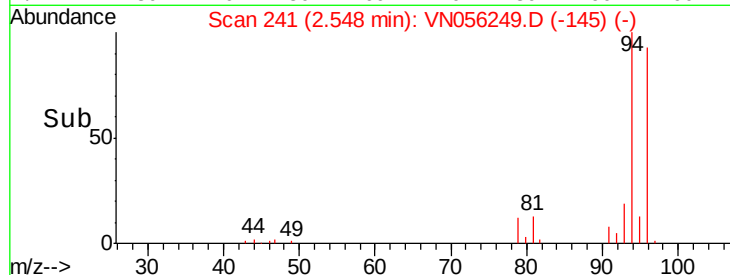
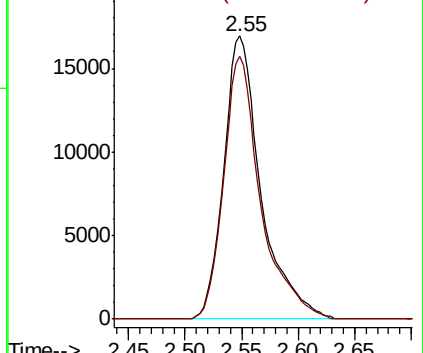
94 100

96 92.9 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.385 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN056249.D

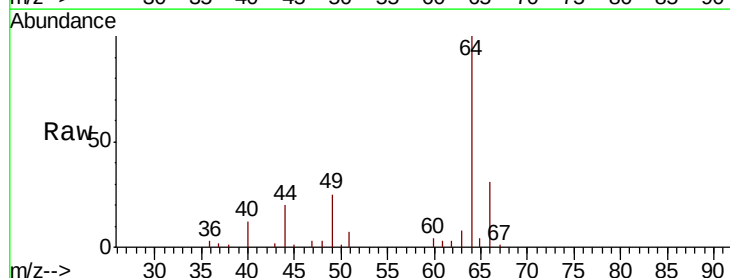
Acq: 12 Jun 2019 15:24

Tgt Ion: 64 Resp: 33190

Ion Ratio Lower Upper

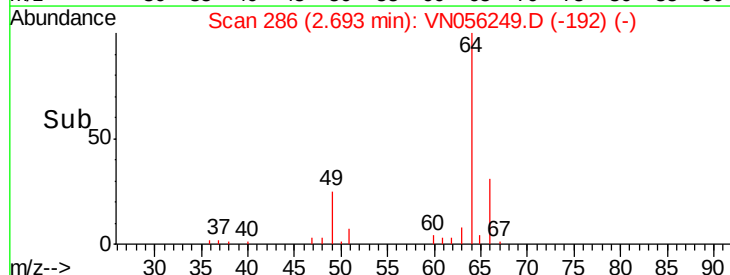
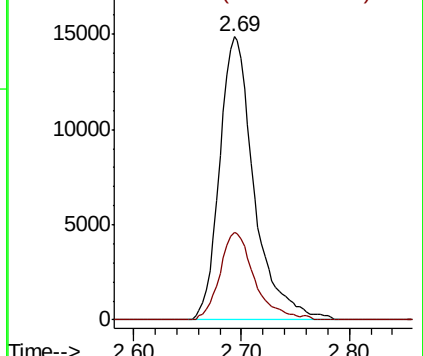
64 100

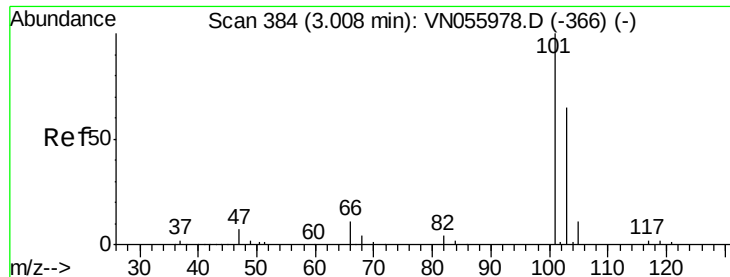
66 31.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



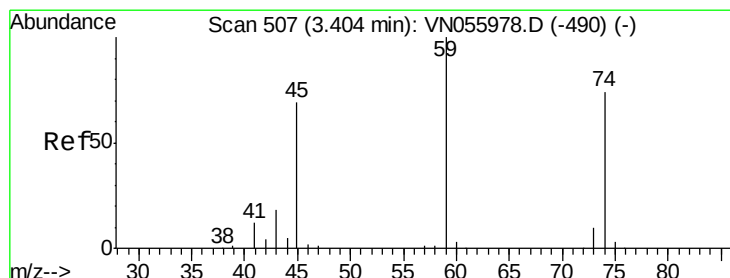
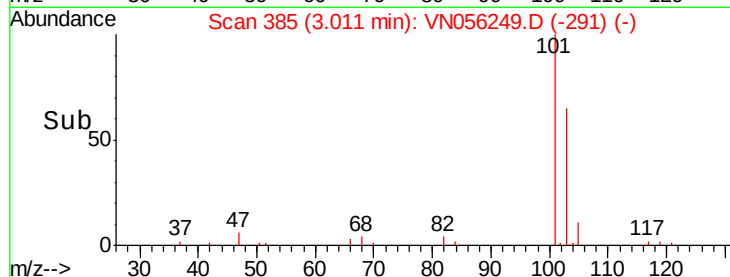
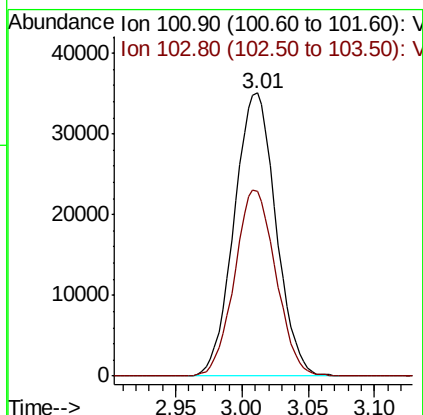
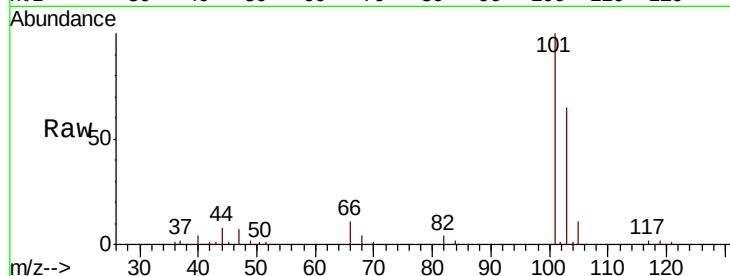


#7

Trichlorofluoromethane
 Concen: 20.329 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Instrument :
 MSVOA_N
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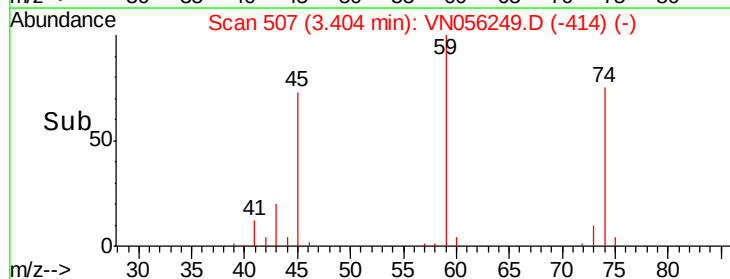
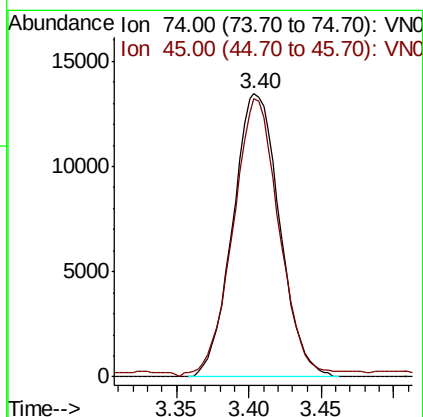
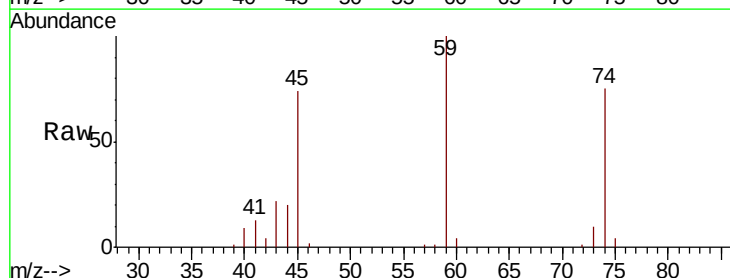
Tot Ion:101 Resp: 76637
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.2 76.8

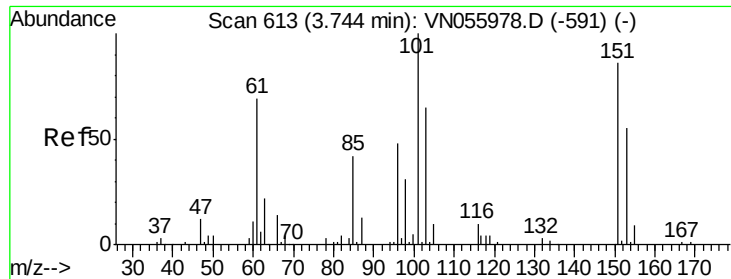


#8

Diethyl Ether
 Concen: 19.459 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion: 74 Resp: 30167
 Ion Ratio Lower Upper
 74 100
 45 97.3 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.142 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS02

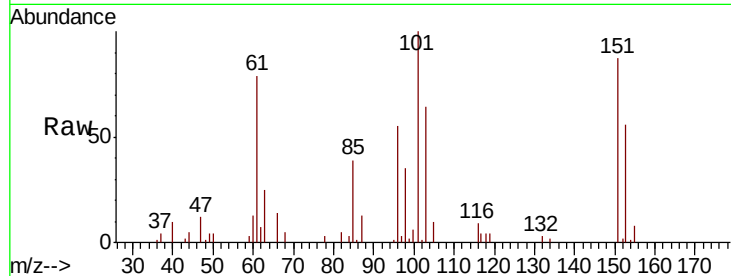
Tot Ion:101 Resp: 48415

Ion Ratio Lower Upper

101 100

85 40.5 33.4 50.2

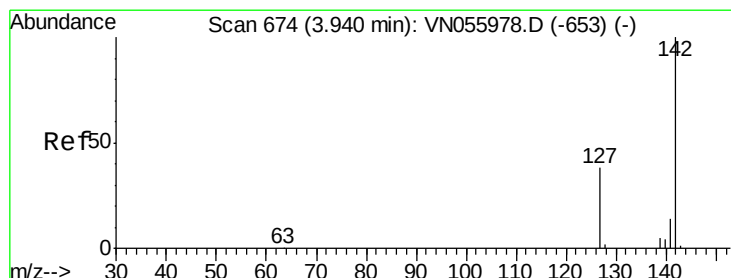
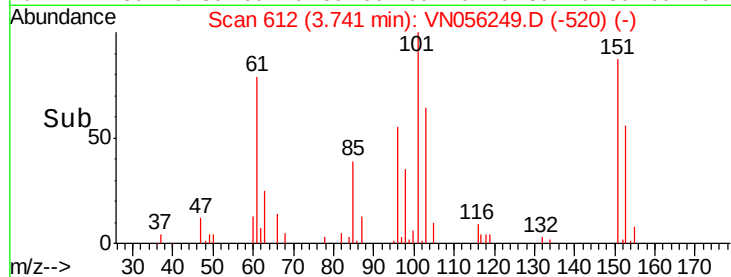
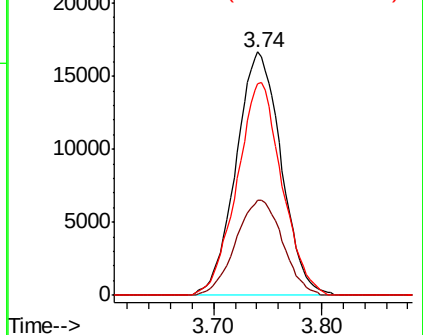
151 87.0 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.504 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

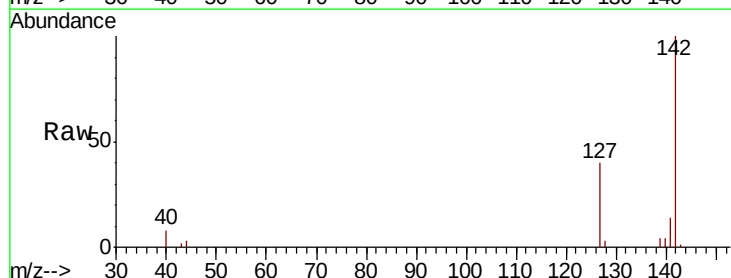
Tgt Ion:142 Resp: 63701

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.4

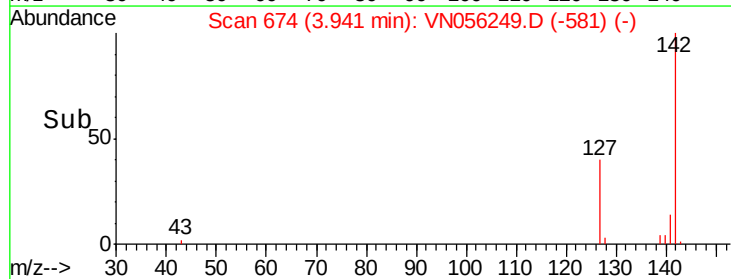
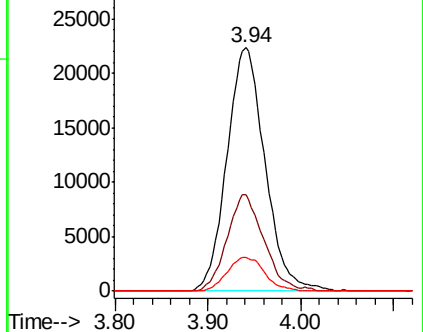
141 13.7 11.4 17.0

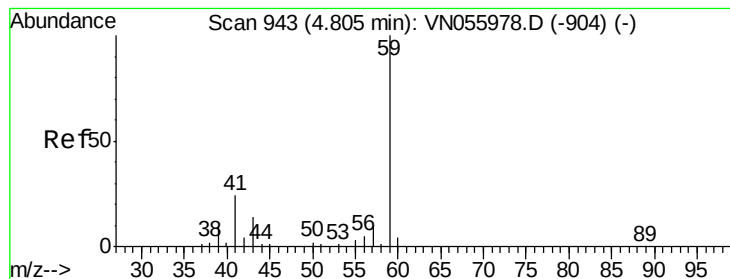


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



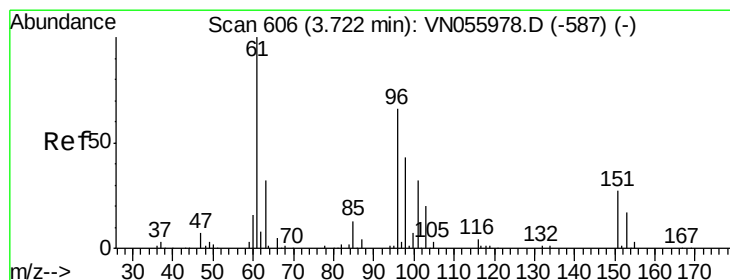
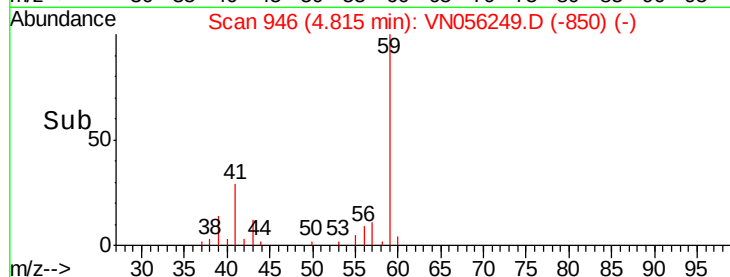
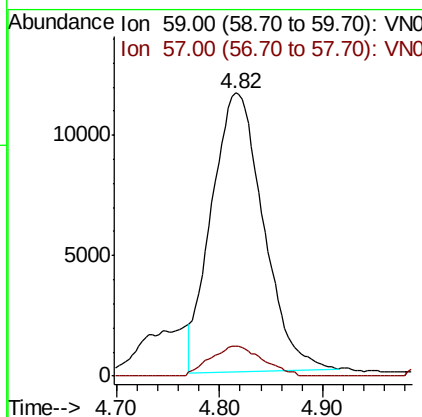
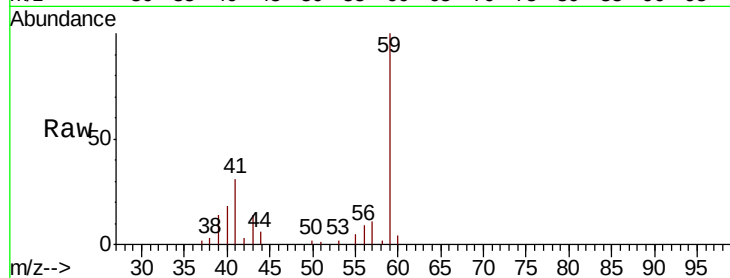


#11

Tert butyl alcohol
 Concen: 86.357 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0612WBS02

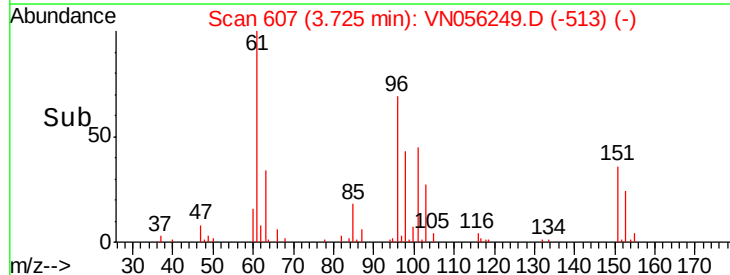
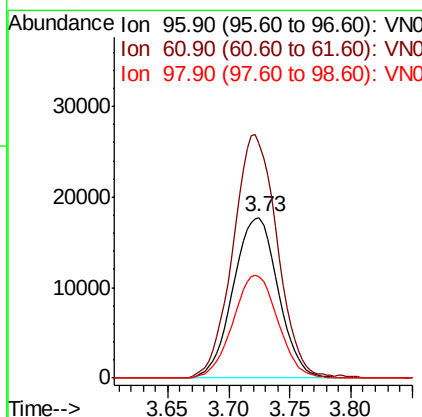
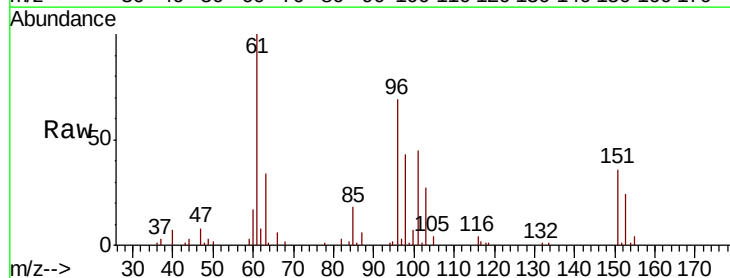
Tot Ion: 59 Resp: 40523
 Ion Ratio Lower Upper
 59 100
 57 10.9 7.8 11.6

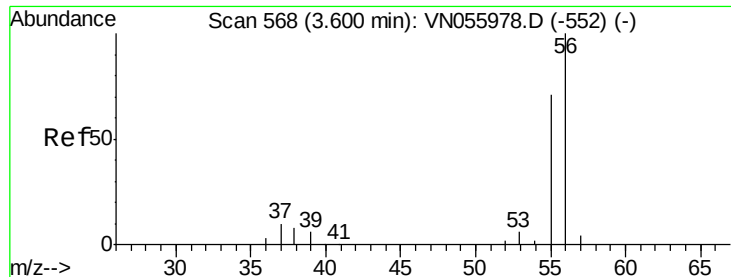


#12

1,1-Dichloroethene
 Concen: 19.864 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion: 96 Resp: 45287
 Ion Ratio Lower Upper
 96 100
 61 146.0 123.2 184.8
 98 63.4 50.4 75.6





#13

Acrolein

Concen: 69.154 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

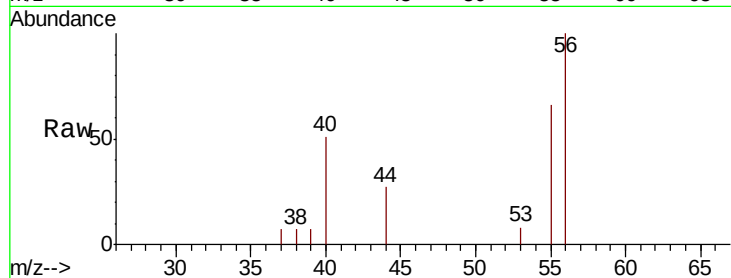
VN0612WBS02

Tot Ion: 56 Resp: 9359

Ion Ratio Lower Upper

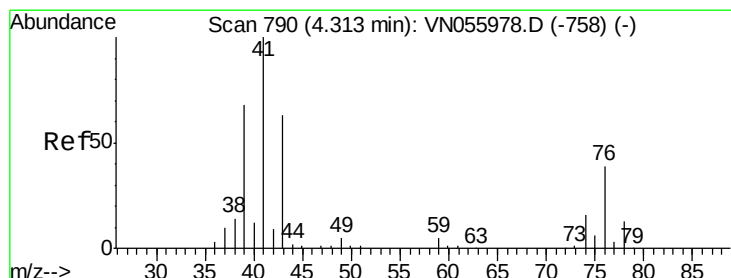
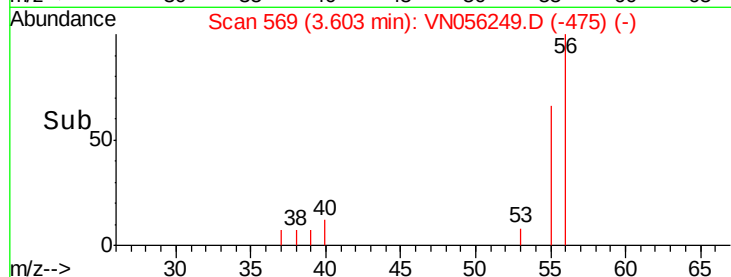
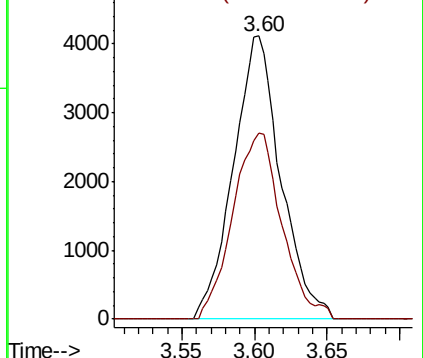
56 100

55 68.3 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.252 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

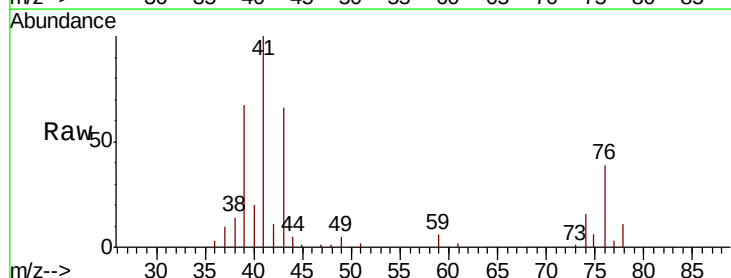
Tgt Ion: 41 Resp: 72906

Ion Ratio Lower Upper

41 100

39 61.1 50.0 75.0

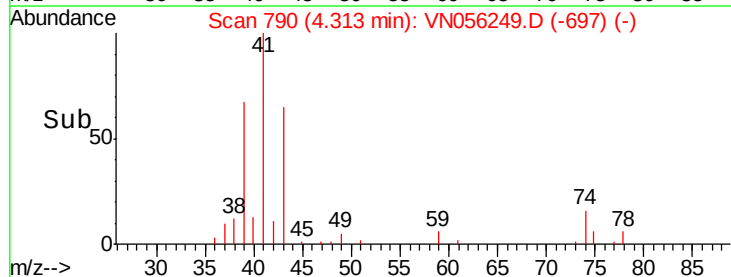
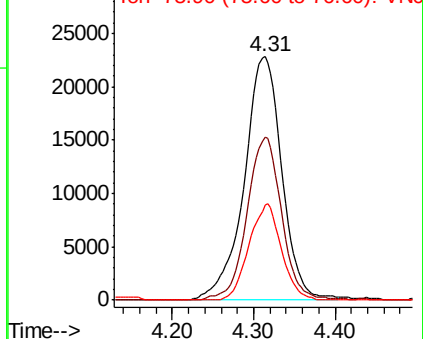
76 33.7 28.2 42.2

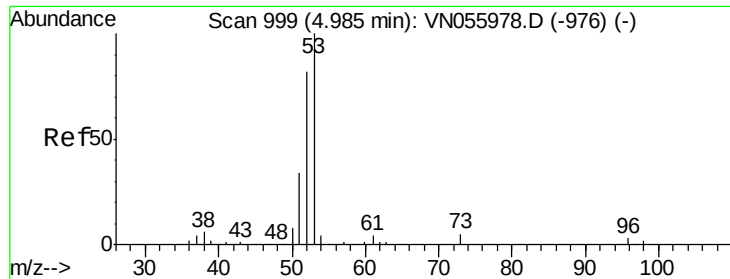


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 113.086 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS02

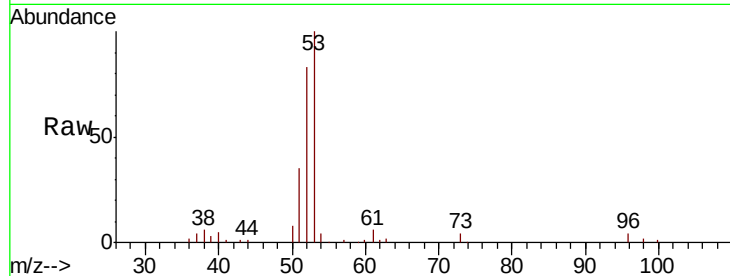
Tot Ion: 53 Resp: 129177

Ion Ratio Lower Upper

53 100

52 82.1 65.8 98.8

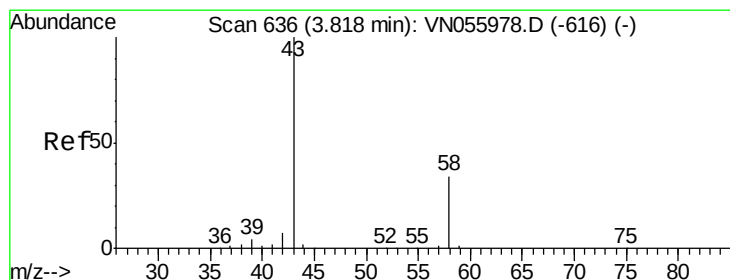
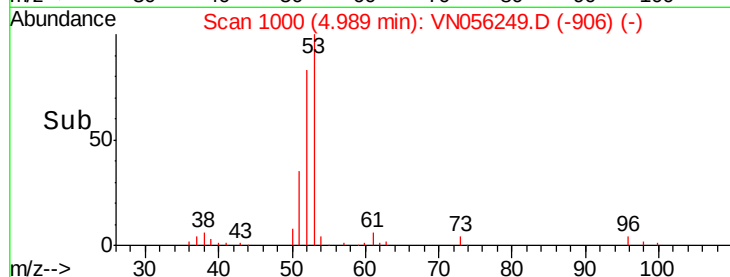
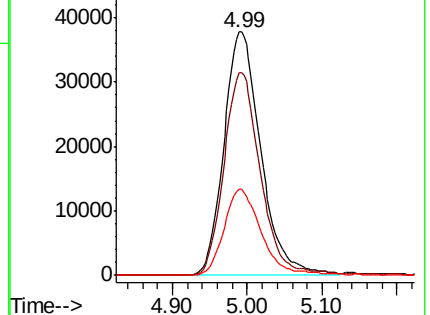
51 35.5 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 101.118 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056249.D

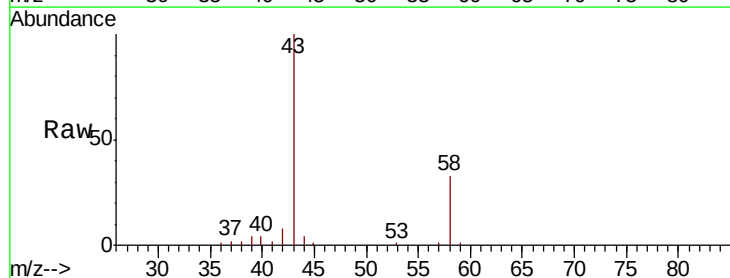
Acq: 12 Jun 2019 15:24

Tgt Ion: 43 Resp: 130407

Ion Ratio Lower Upper

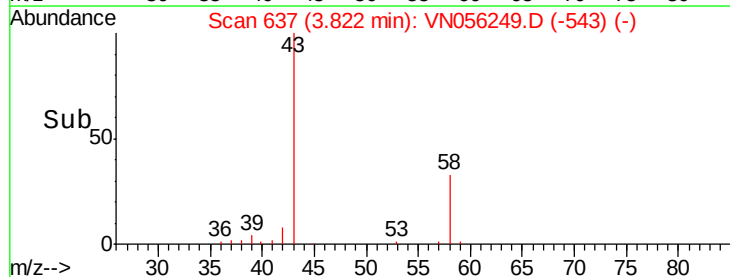
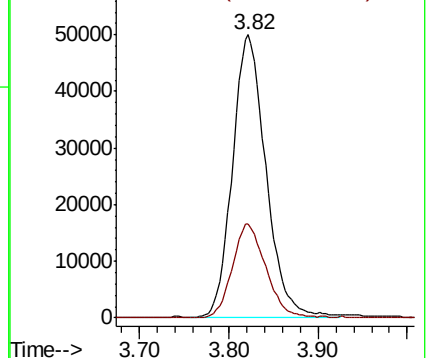
43 100

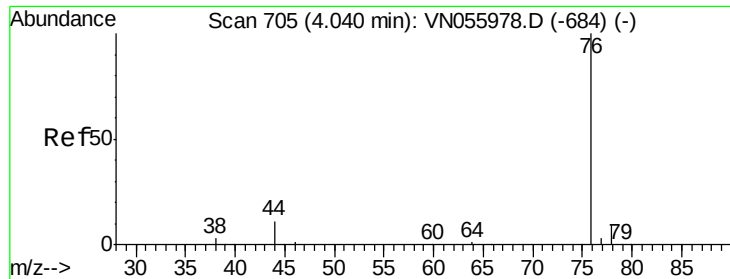
58 33.3 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.729 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

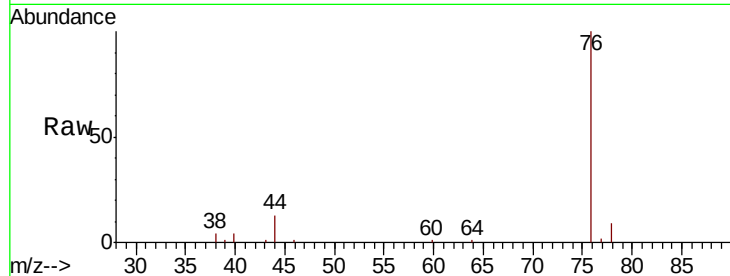
VN0612WBS02

Tot Ion: 76 Resp: 102236

Ion Ratio Lower Upper

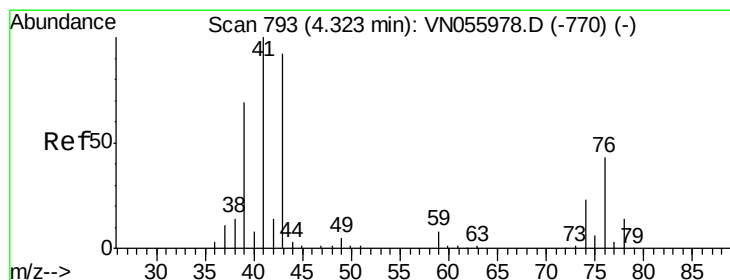
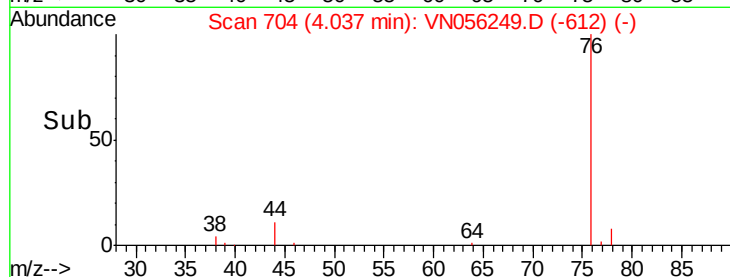
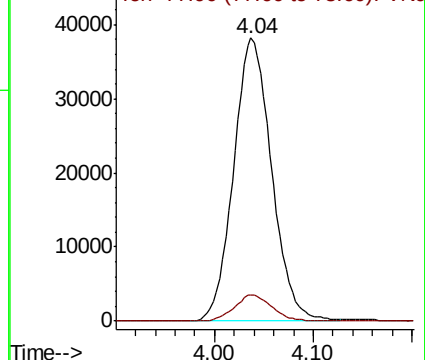
76 100

78 9.2 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 23.991 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056249.D

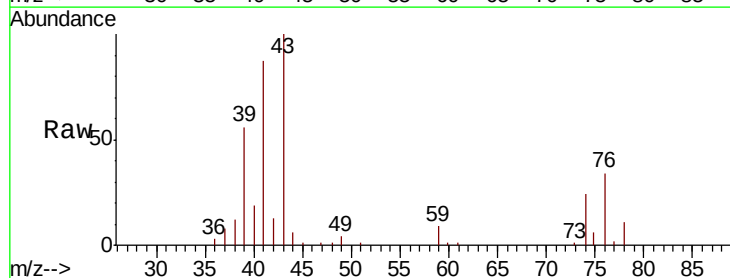
Acq: 12 Jun 2019 15:24

Tgt Ion: 43 Resp: 61536

Ion Ratio Lower Upper

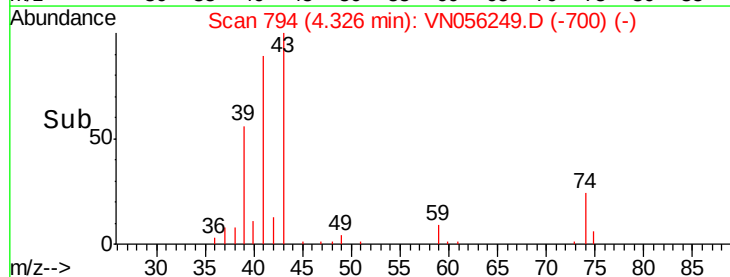
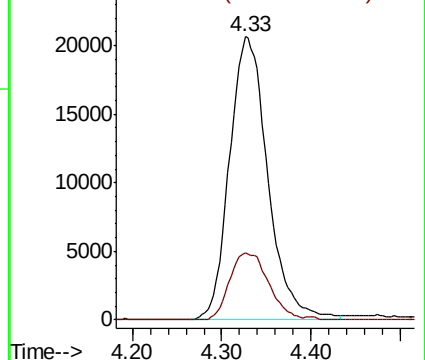
43 100

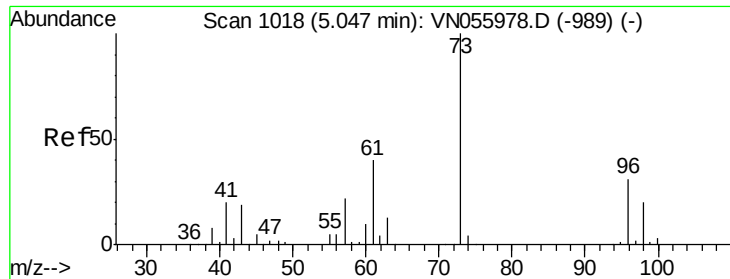
74 24.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



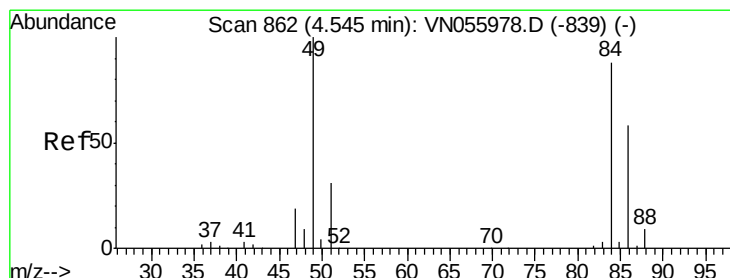
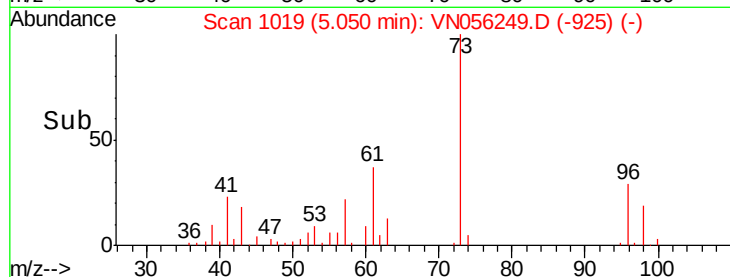
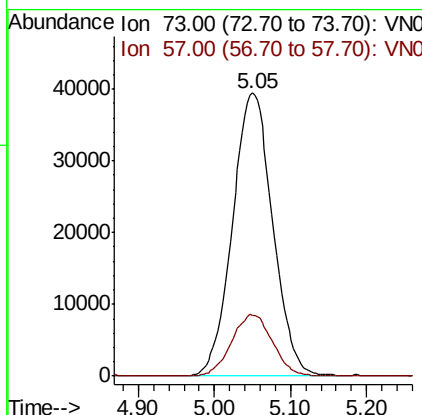
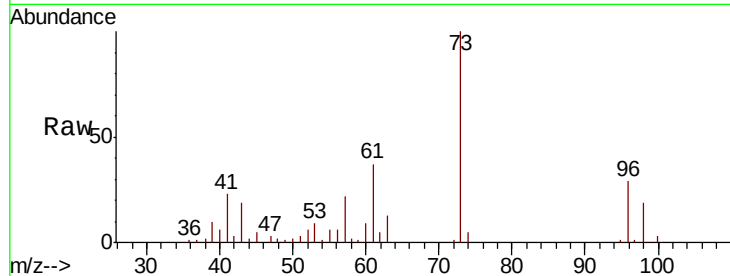


#19

Methyl tert-butyl Ether
 Concen: 19.945 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS02

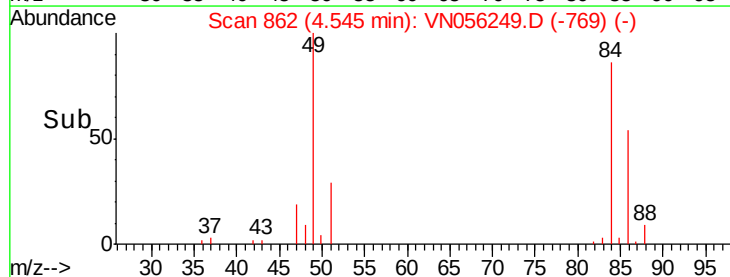
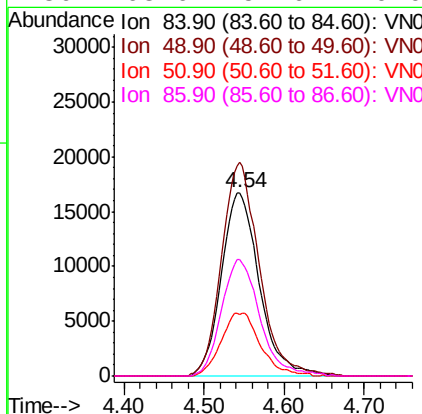
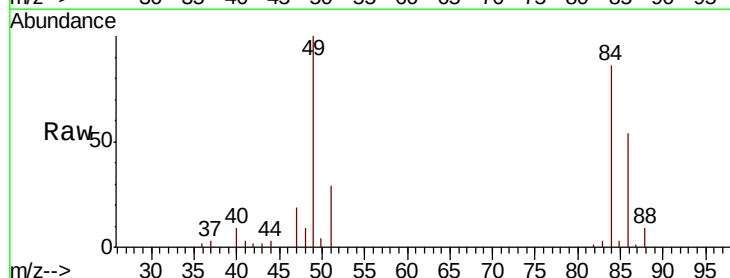
Tot Ion: 73 Resp: 144941
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.8 26.8

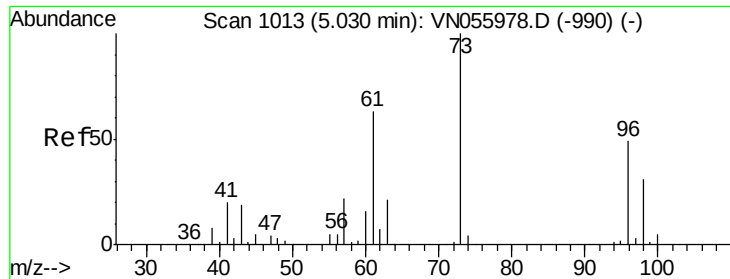


#20

Methylene Chloride
 Concen: 20.372 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion: 84 Resp: 54127
 Ion Ratio Lower Upper
 84 100
 49 116.7 93.5 140.3
 51 33.7 28.6 43.0
 86 63.6 52.6 79.0

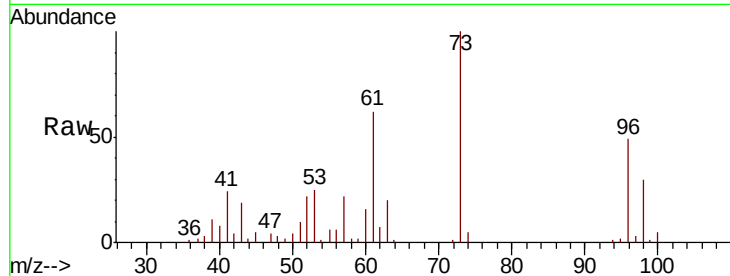




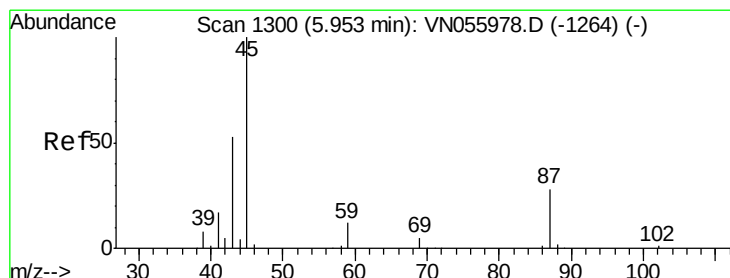
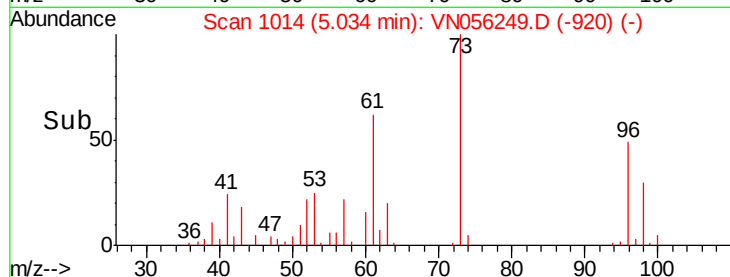
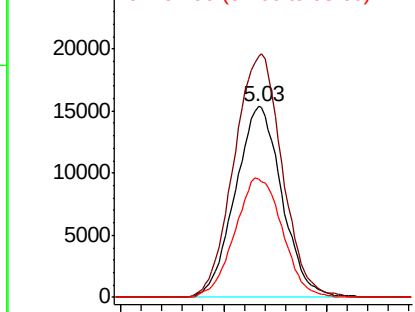
#21
trans-1,2-Dichloroethene
Concen: 19.783 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampled :
VN0612WBS02

Tot Ion: 96 Resp: 48324
Ion Ratio Lower Upper
96 100
61 126.3 107.8 161.8
98 61.9 49.8 74.8

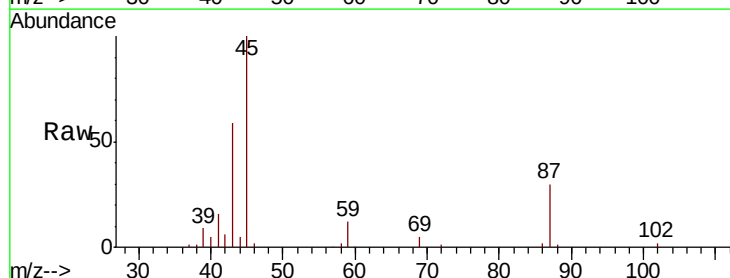


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

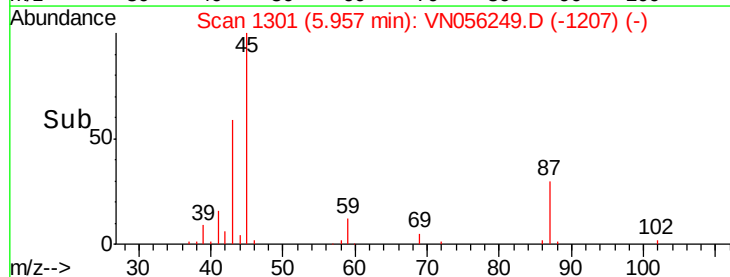
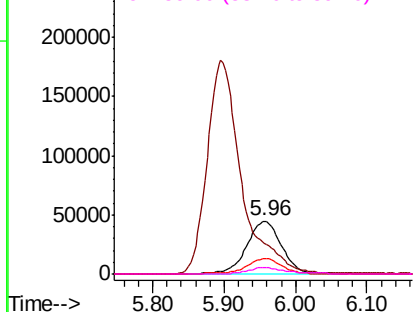


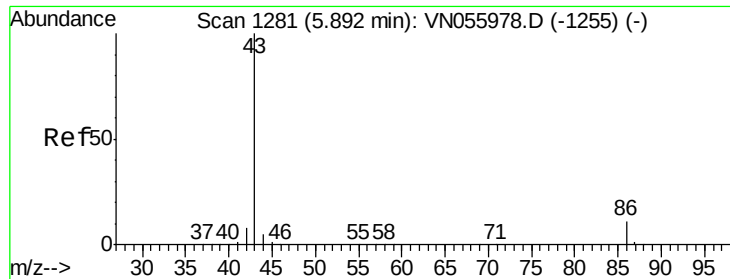
#22
Diisopropyl ether
Concen: 20.499 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion: 45 Resp: 152548
Ion Ratio Lower Upper
45 100
43 56.3 45.0 67.6
87 29.1 22.2 33.4
59 11.5 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

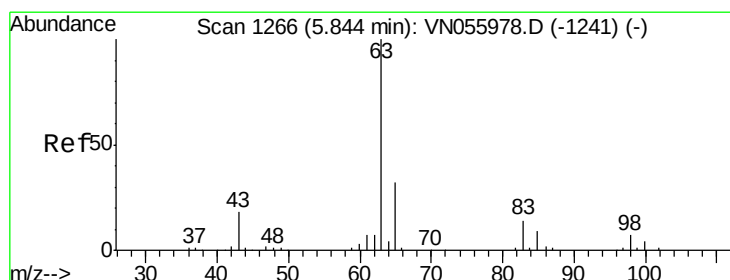
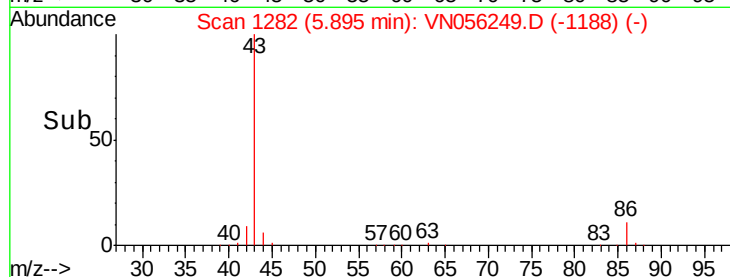
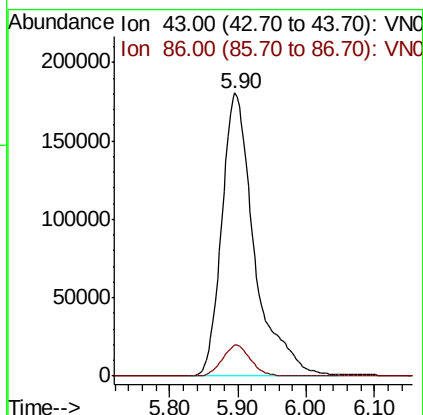
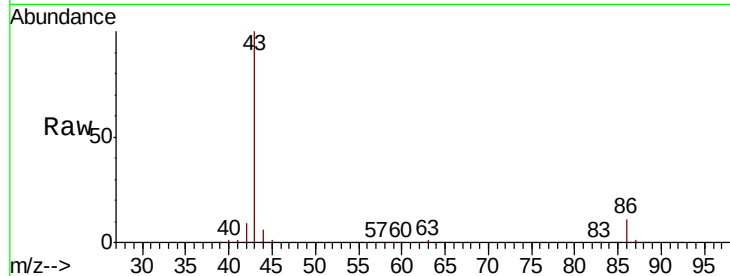




#23
 Vinyl Acetate
 Concen: 102.660 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

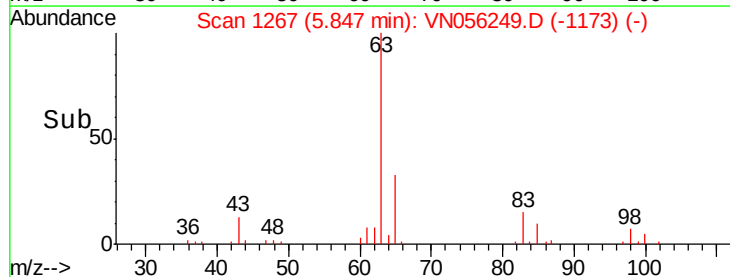
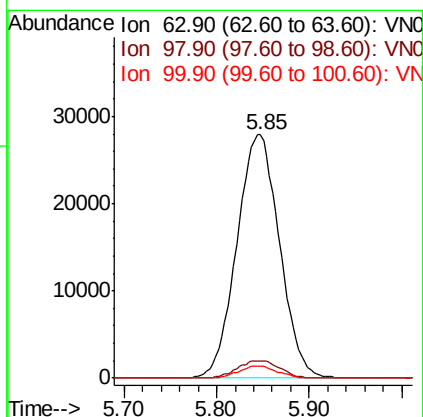
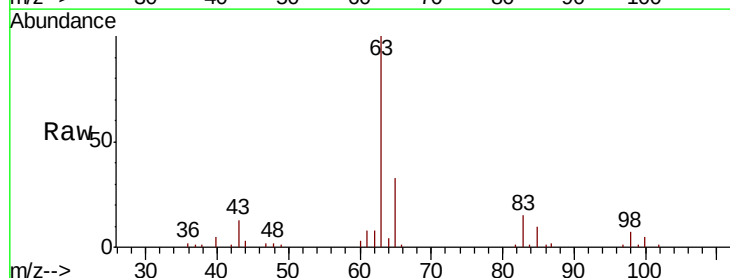
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS02

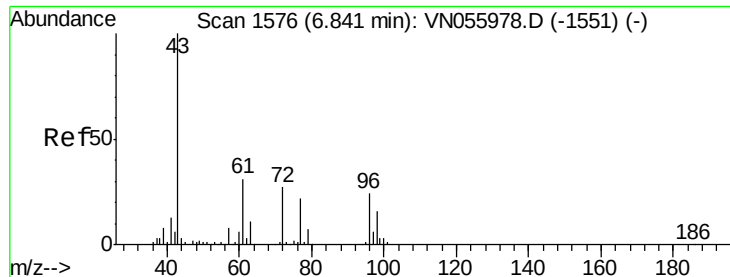
Tot Ion: 43 Resp: 601620
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 20.737 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion: 63 Resp: 89017
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.1
 100 5.1 2.2 6.6





#25

2-Butanone

Concen: 109.126 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampled :

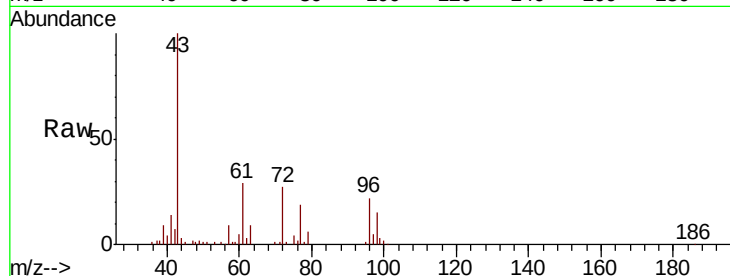
VN0612WBS02

Tot Ion: 43 Resp: 177814

Ion Ratio Lower Upper

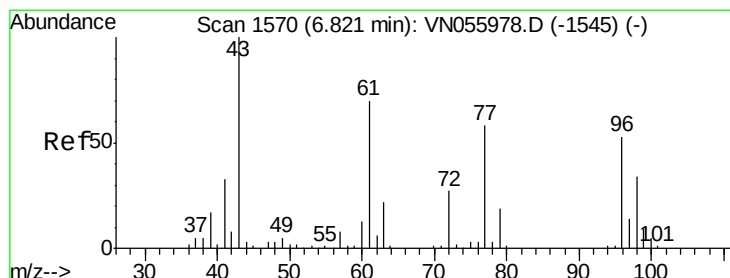
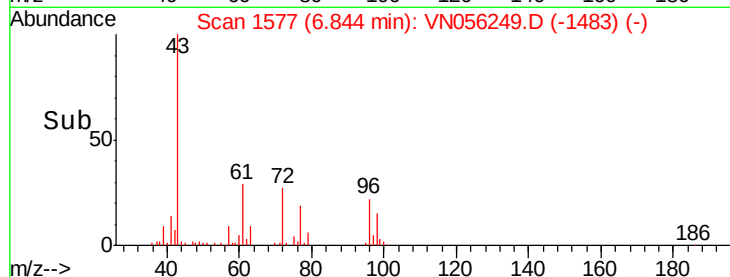
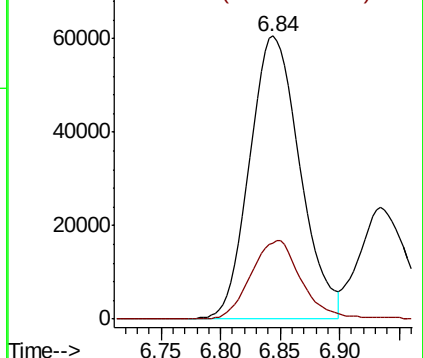
43 100

72 27.1 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.271 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056249.D

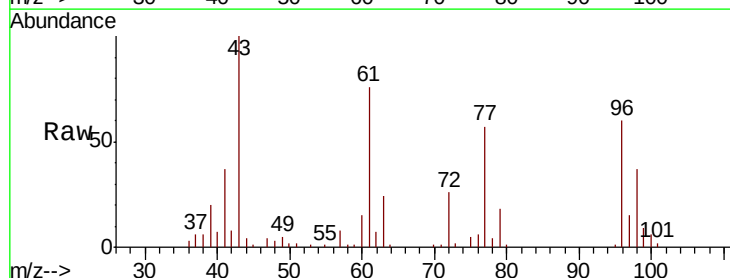
Acq: 12 Jun 2019 15:24

Tgt Ion: 77 Resp: 61200

Ion Ratio Lower Upper

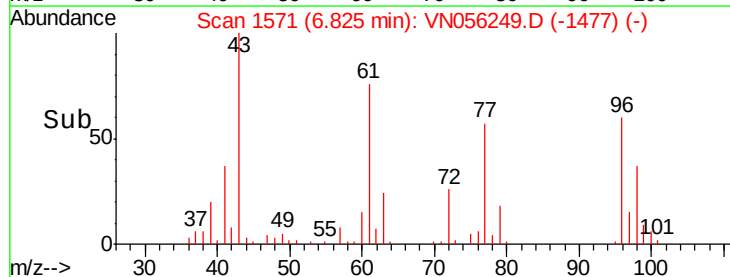
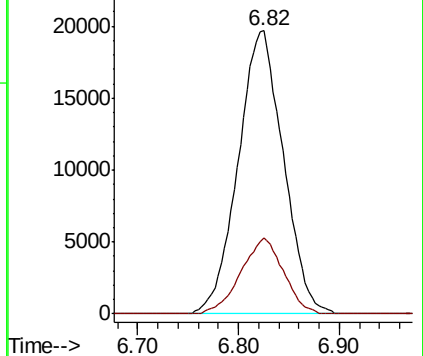
77 100

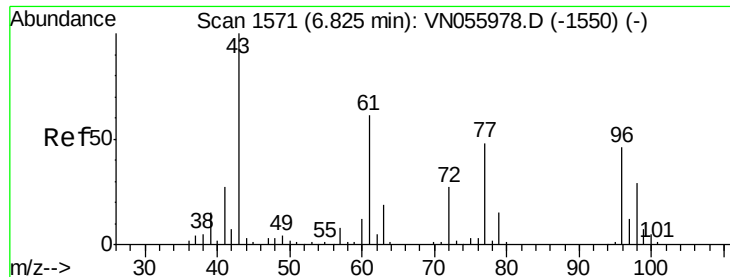
97 25.3 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.236 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS02

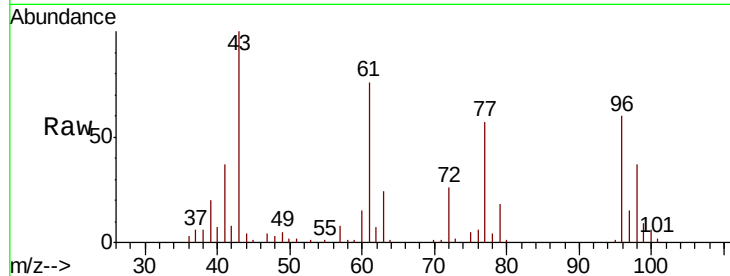
Tot Ion: 96 Resp: 58104

Ion Ratio Lower Upper

96 100

61 131.4 0.0 275.8

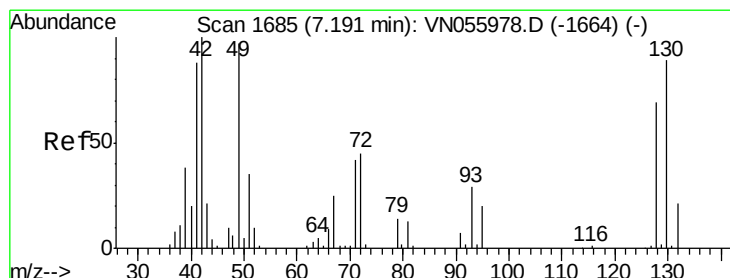
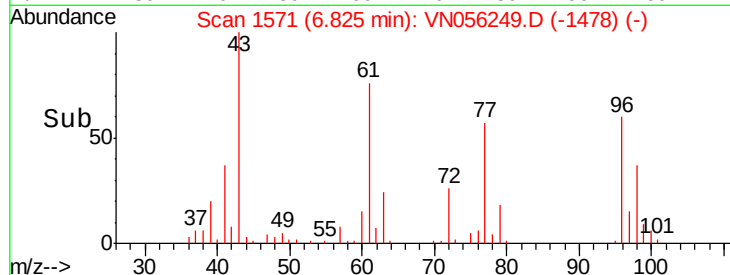
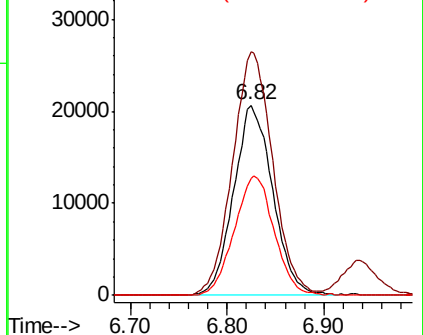
98 63.9 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.827 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

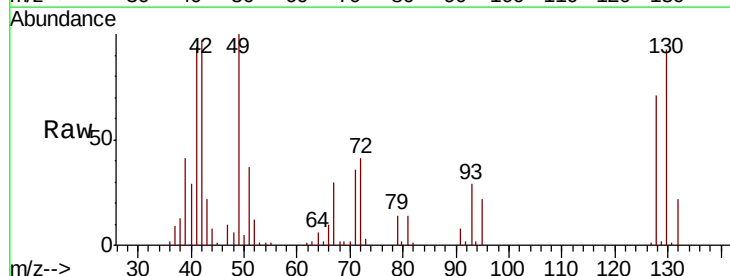
Tgt Ion: 49 Resp: 44309

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

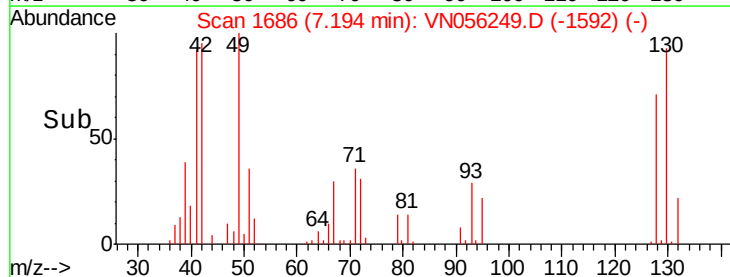
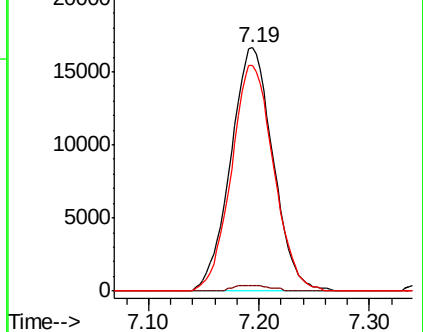
130 92.5 71.2 106.8

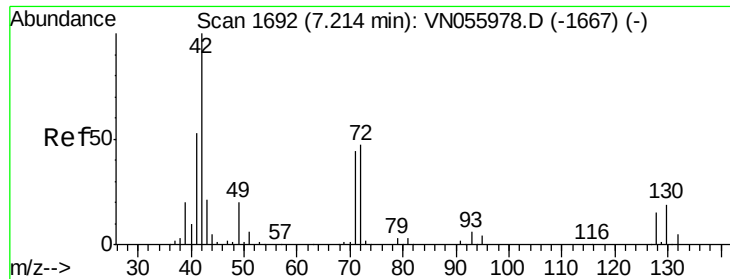


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

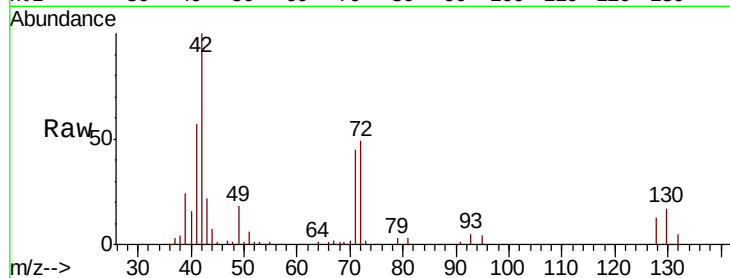




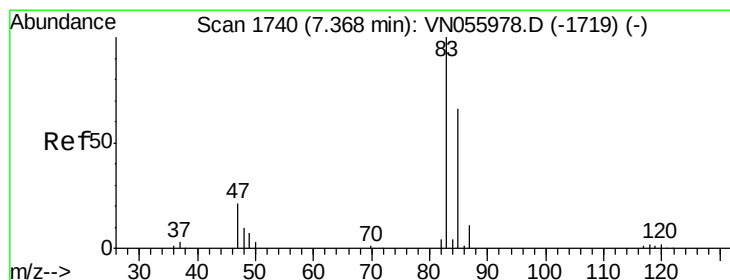
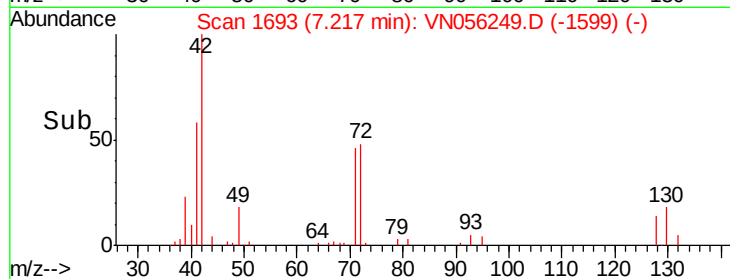
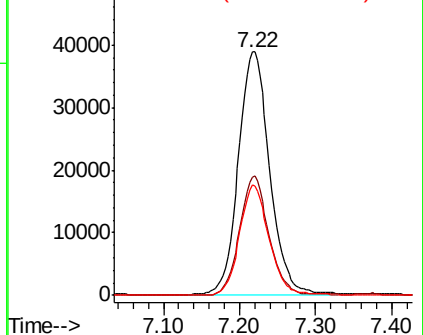
#29
Tetrahydrofuran
Concen: 111.542 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampled :
VN0612WBS02

Tot Ion: 42 Resp: 112347
Ion Ratio Lower Upper
42 100
72 45.4 35.9 53.9
71 42.2 34.0 51.0

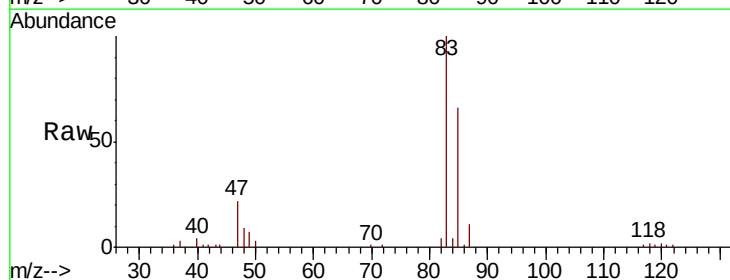


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

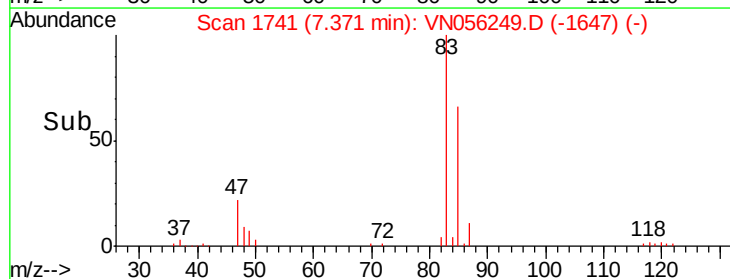
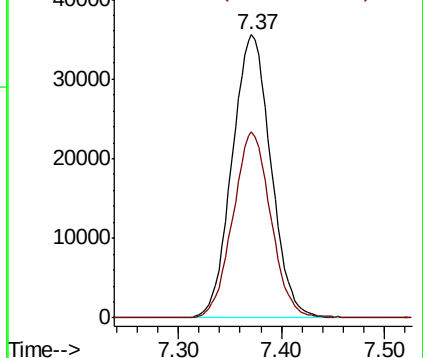


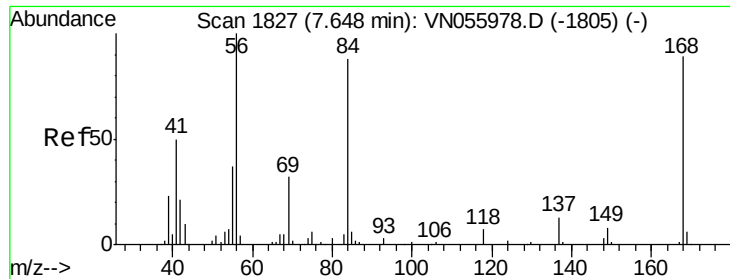
#30
Chloroform
Concen: 21.531 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion: 83 Resp: 92975
Ion Ratio Lower Upper
83 100
85 65.6 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

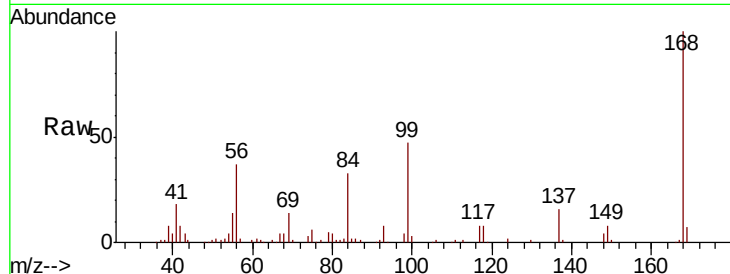




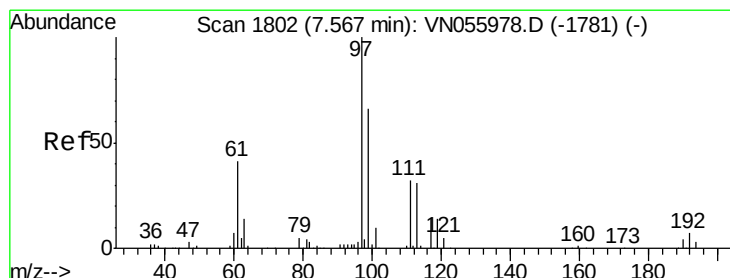
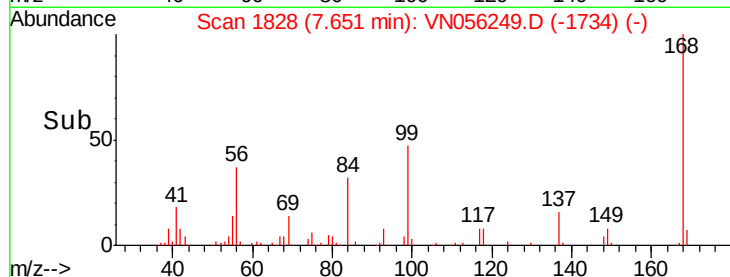
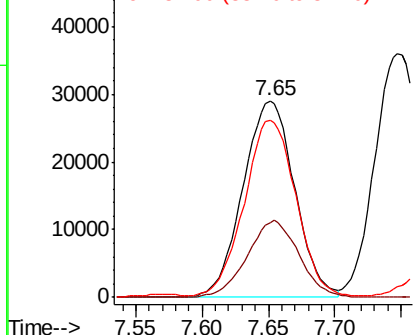
#31
Cyclohexane
Concen: 18.398 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

Tot Ion: 56 Resp: 78722
Ion Ratio Lower Upper
56 100
69 38.3 25.6 38.4
84 89.1 67.4 101.0

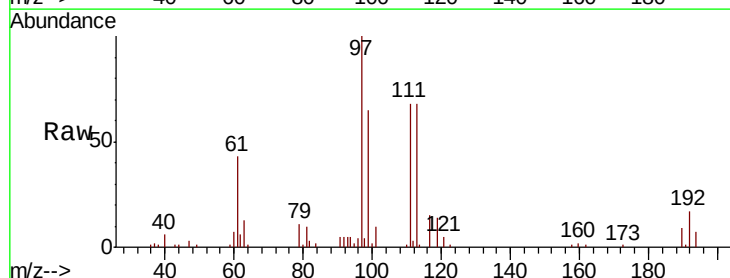


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

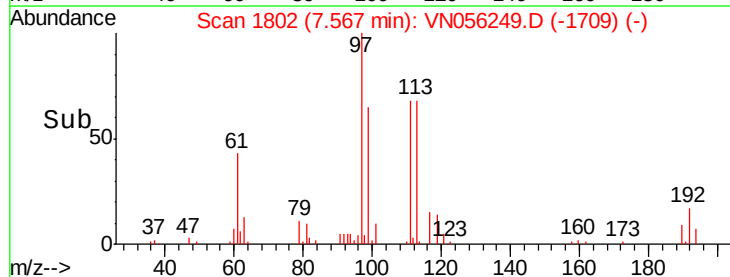
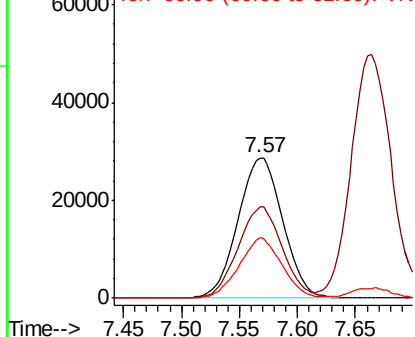


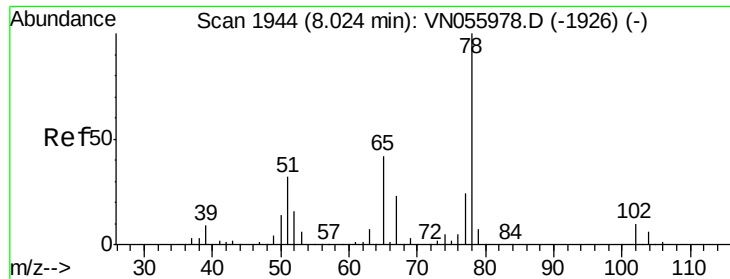
#32
1,1,1-Trichloroethane
Concen: 21.341 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion: 97 Resp: 76955
Ion Ratio Lower Upper
97 100
99 64.3 52.0 78.0
61 41.1 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC

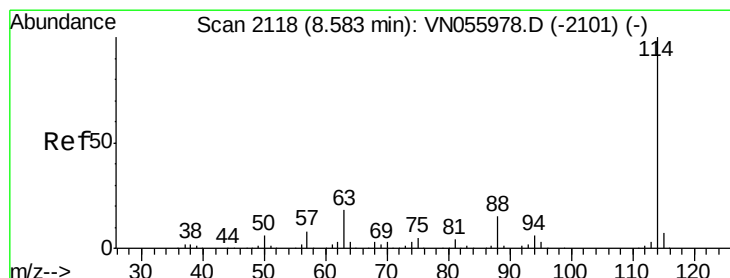
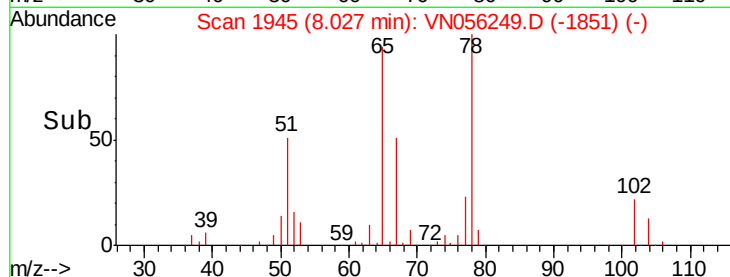
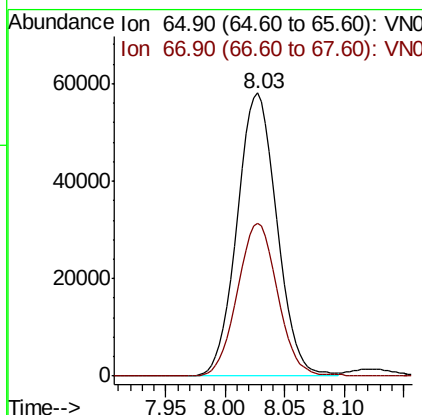
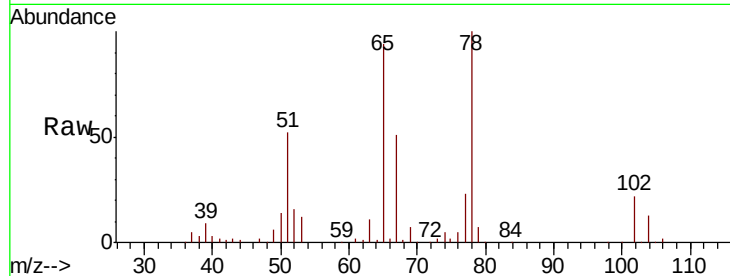




#33
 1,2-Dichloroethane-d4
 Concen: 49.953 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

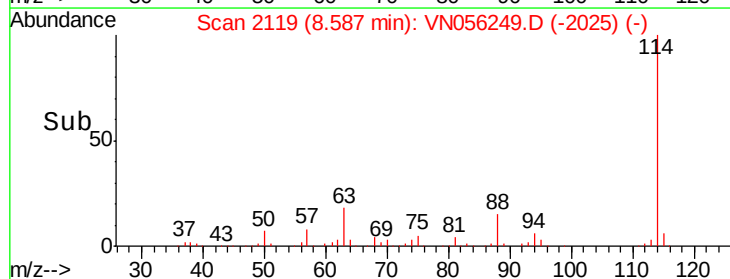
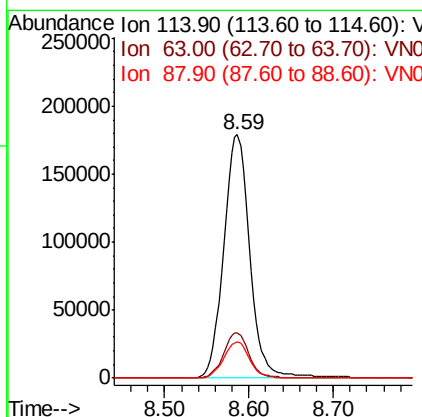
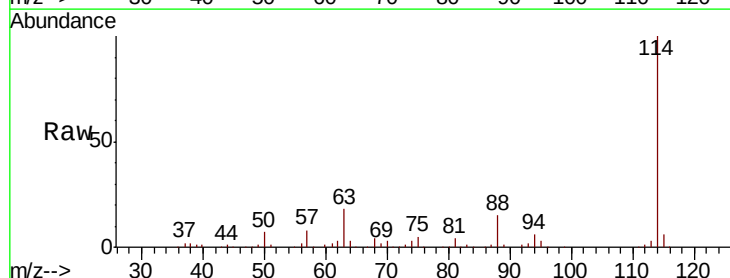
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS02

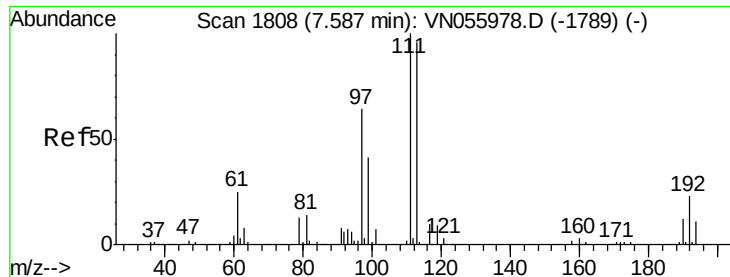
Tot Ion: 65 Resp: 134699
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion: 114 Resp: 383696
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.2
 88 14.8 0.0 31.0

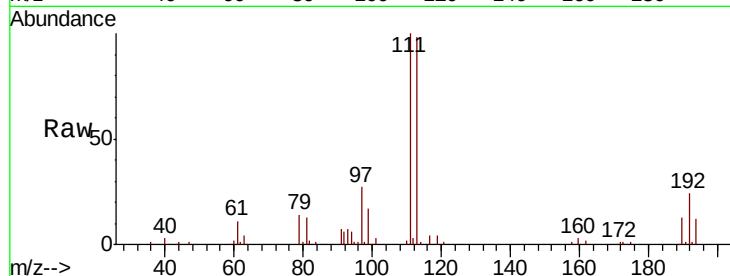




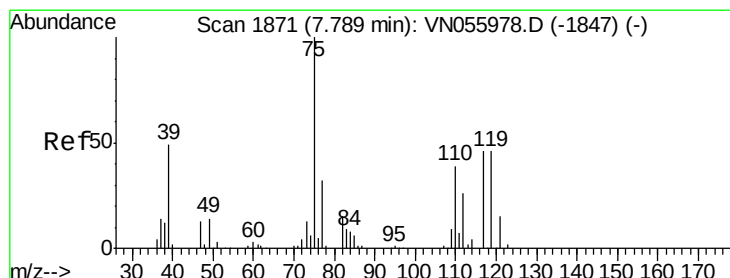
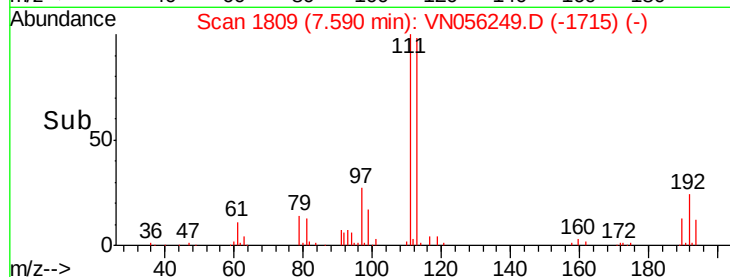
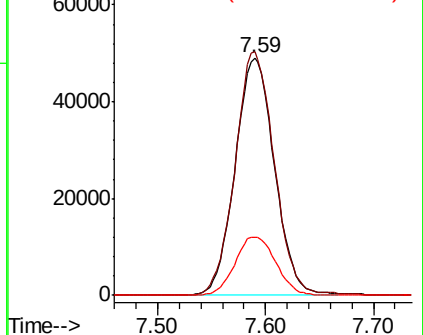
#35
 Dibromofluoromethane
 Concen: 53.025 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.9	122.9
192	25.4	19.5	29.3

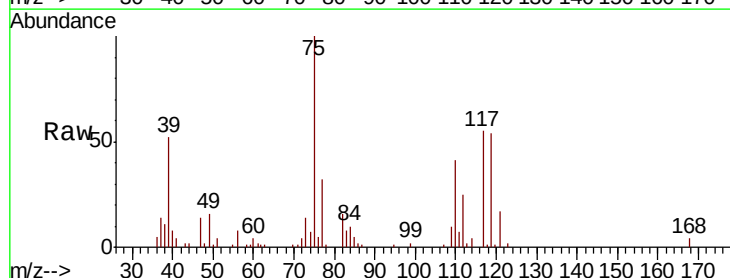


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

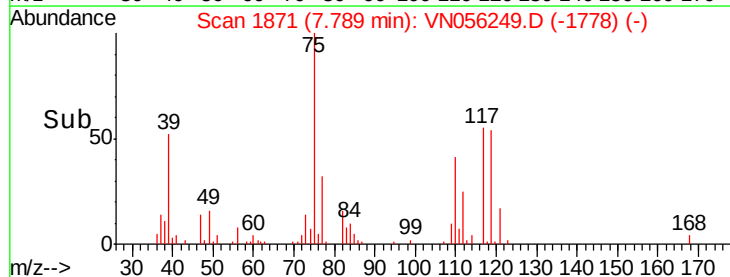
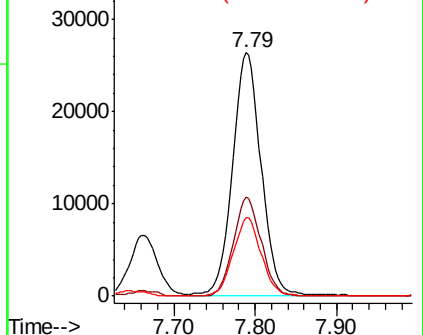


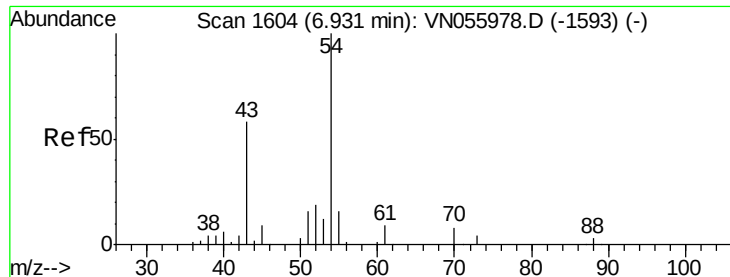
#36
 1,1-Dichloropropene
 Concen: 19.674 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.0	57.0
77	31.5	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

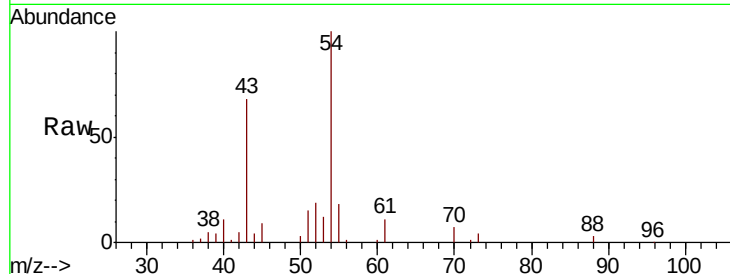




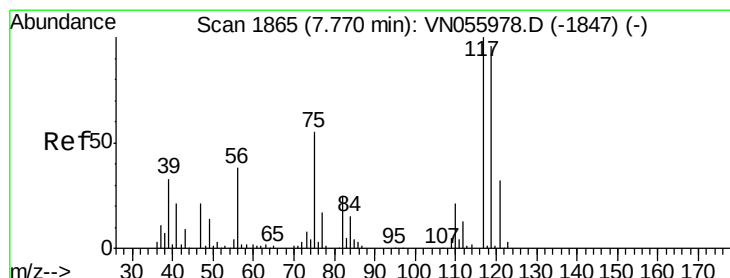
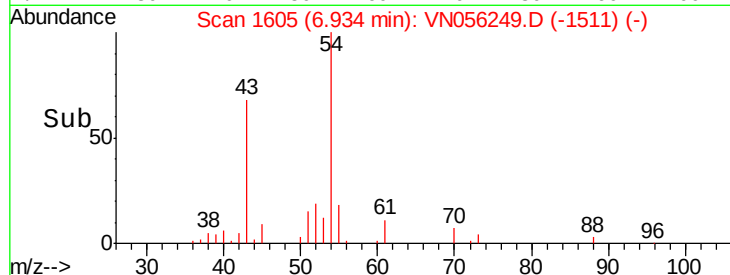
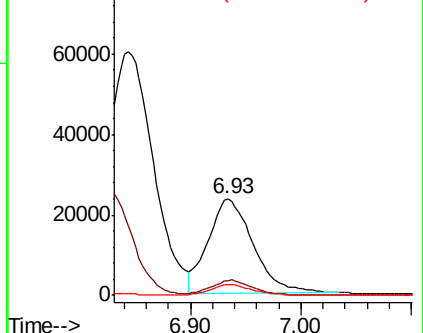
#37
Ethyl Acetate
Concen: 22.861 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

Tot Ion: 43 Resp: 67109
Ion Ratio Lower Upper
43 100
61 14.8 12.2 18.2
70 10.7 8.9 13.3

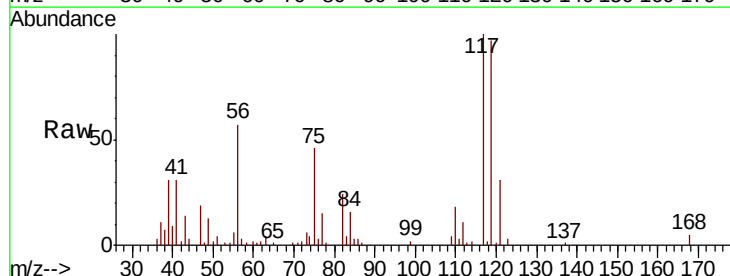


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

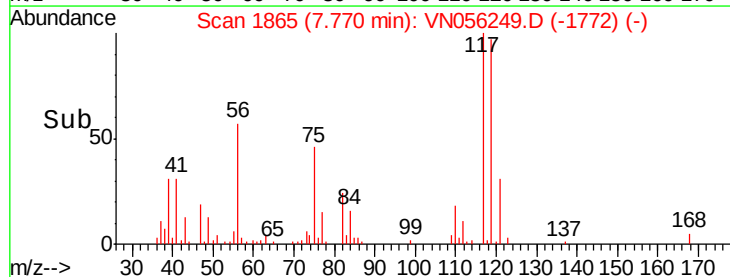
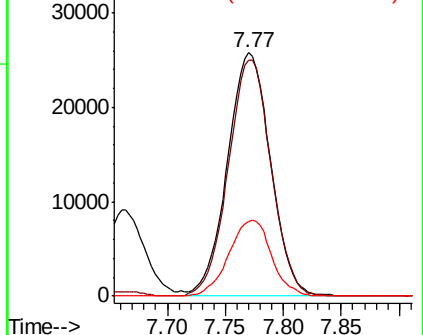


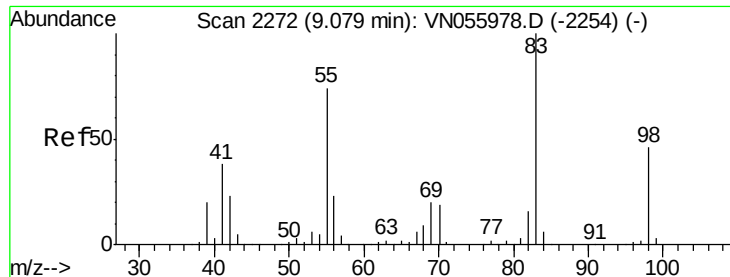
#38
Carbon Tetrachloride
Concen: 21.932 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion: 117 Resp: 66710
Ion Ratio Lower Upper
117 100
119 97.1 79.0 118.6
121 30.7 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

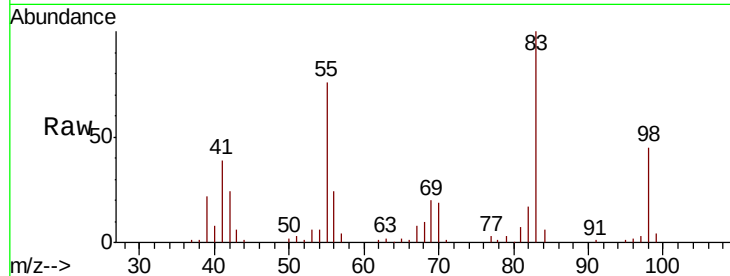




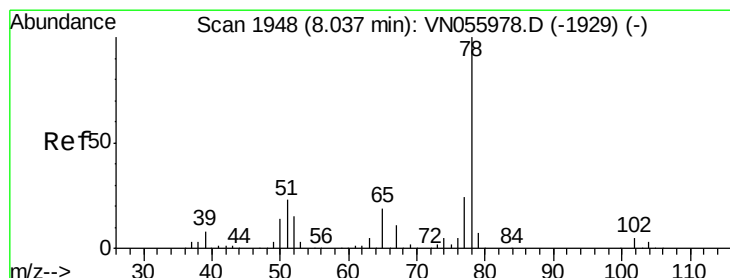
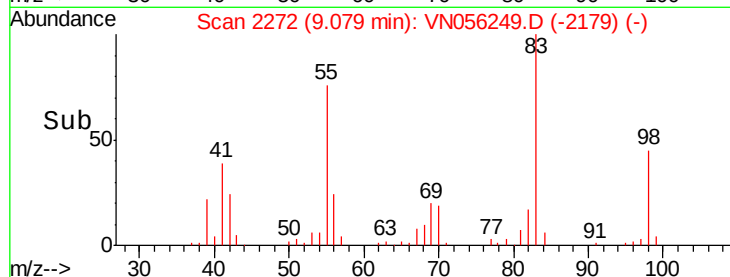
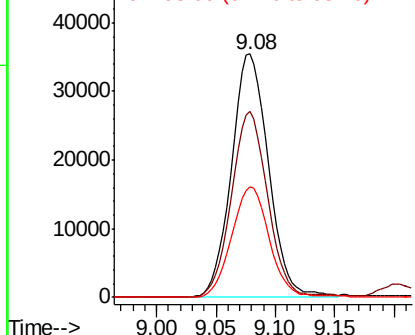
#39
Methylvlcyclohexane
Concen: 18.661 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

Tot Ion: 83 Resp: 76695
Ion Ratio Lower Upper
83 100
55 76.3 59.3 88.9
98 45.4 36.6 54.8

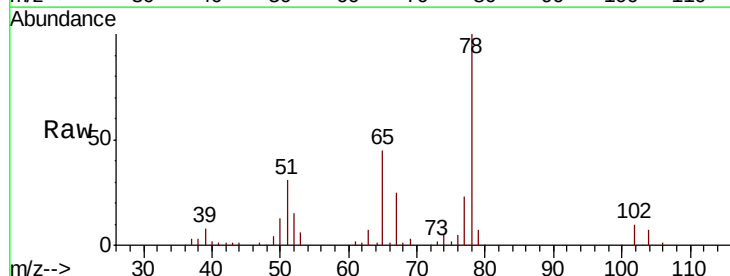


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

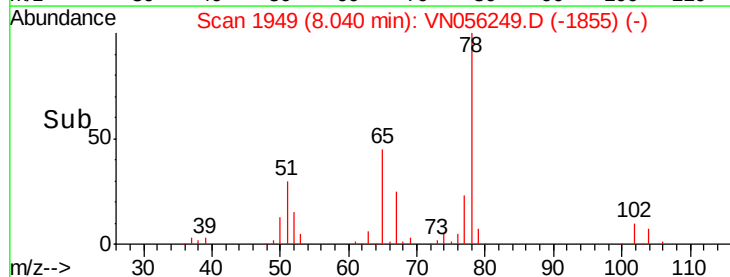
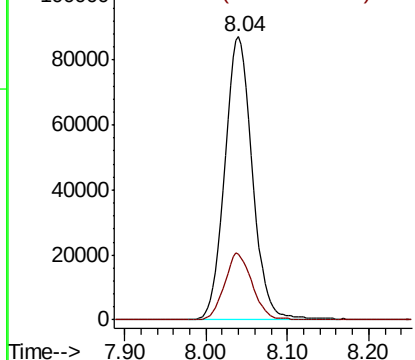


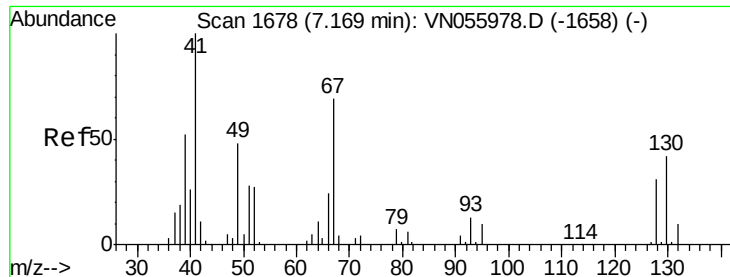
#40
Benzene
Concen: 20.750 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion: 78 Resp: 207924
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

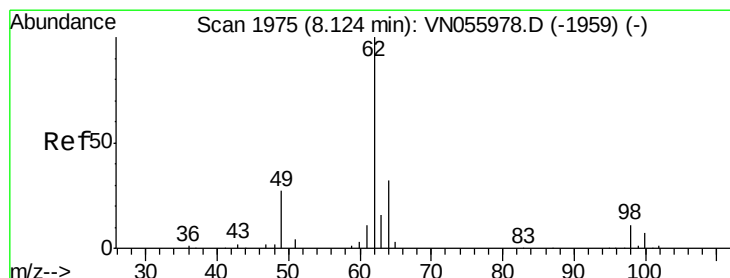
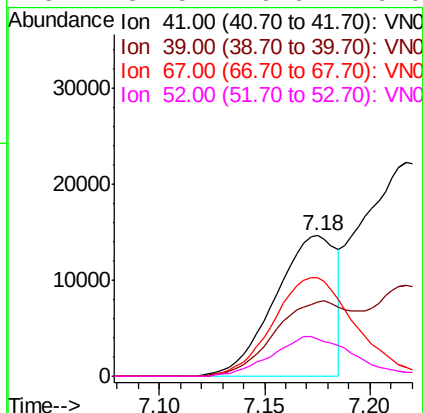
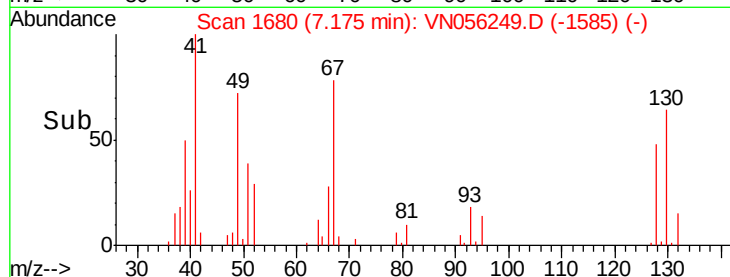
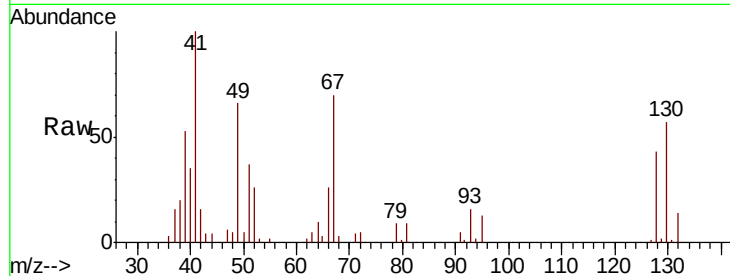




#41
Methacrylonitrile
Concen: 22.002 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

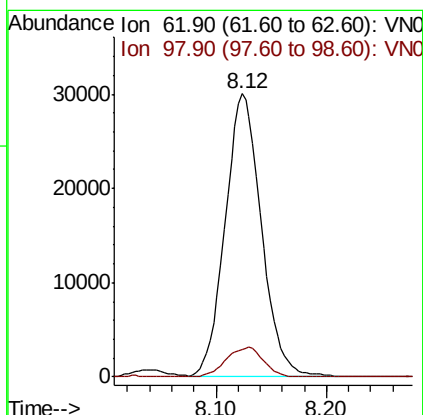
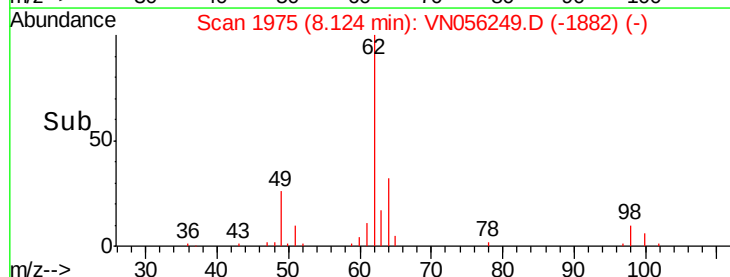
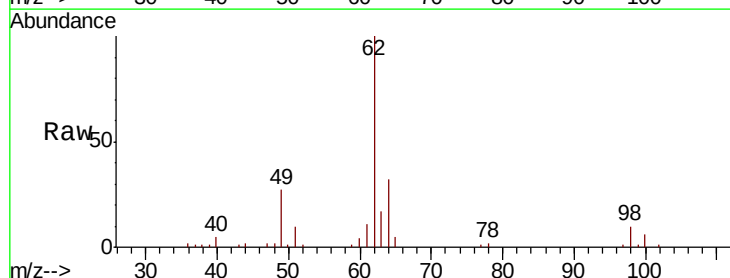
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

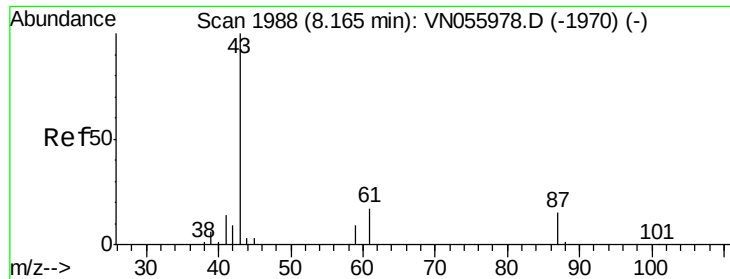
Tot Ion: 41 Resp: 29716
Ion Ratio Lower Upper
41 100
39 67.7 45.6 68.4
67 94.4 67.7 101.5
52 37.5 26.6 40.0



#42
1,2-Dichloroethane
Concen: 21.231 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion: 62 Resp: 68433
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.2





#43

Isopropyl Acetate

Concen: 20.670 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS02

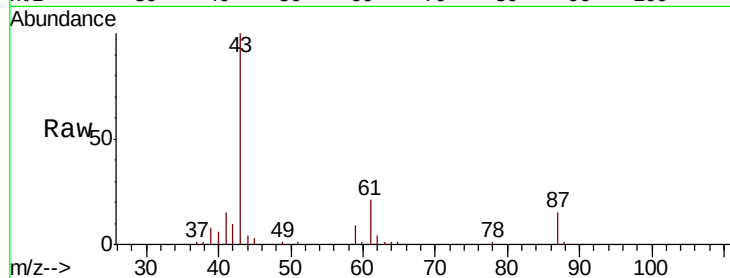
Tot Ion: 43 Resp: 98328

Ion Ratio Lower Upper

43 100

61 21.2 22.2 33.4#

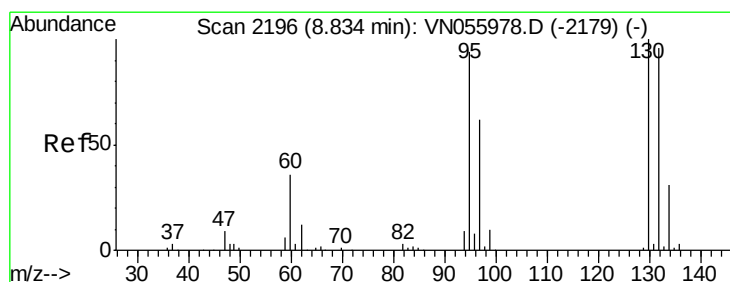
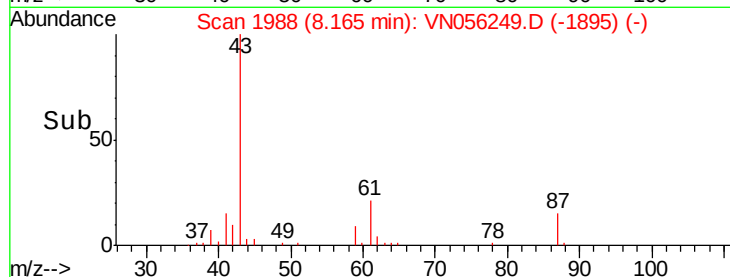
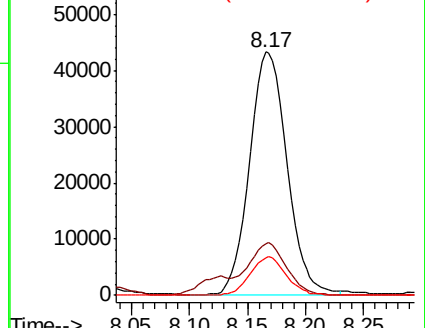
87 15.0 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)



#44

Trichloroethene

Concen: 21.269 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056249.D

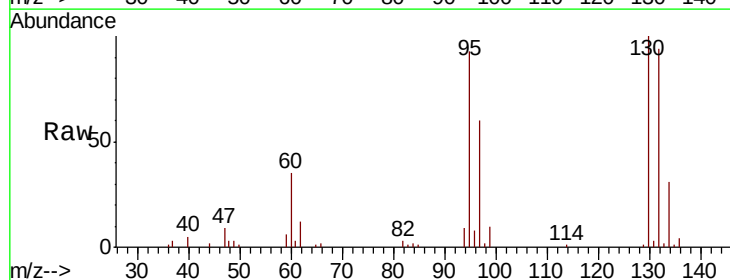
Acq: 12 Jun 2019 15:24

Tgt Ion:130 Resp: 61243

Ion Ratio Lower Upper

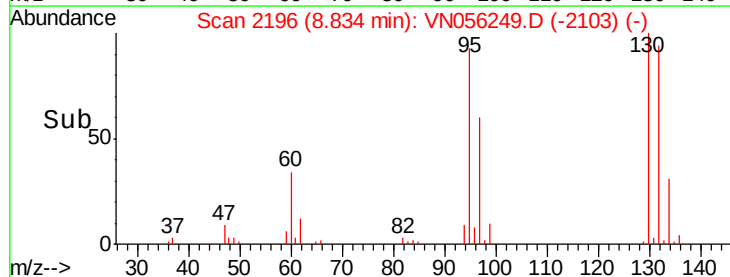
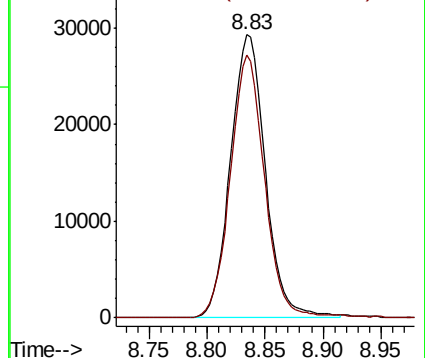
130 100

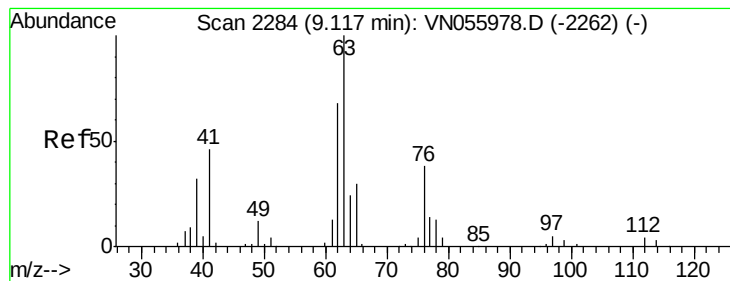
95 93.1 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 21.459 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

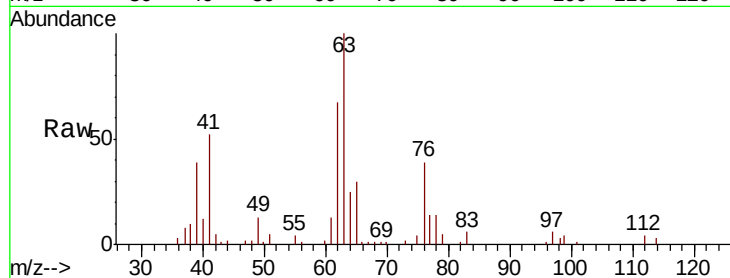
VN0612WBS02

Tot Ion: 63 Resp: 55078

Ion Ratio Lower Upper

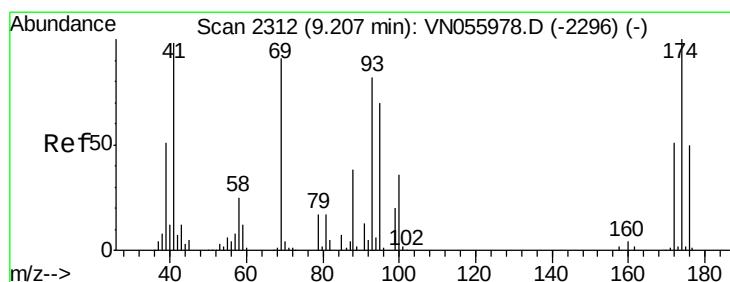
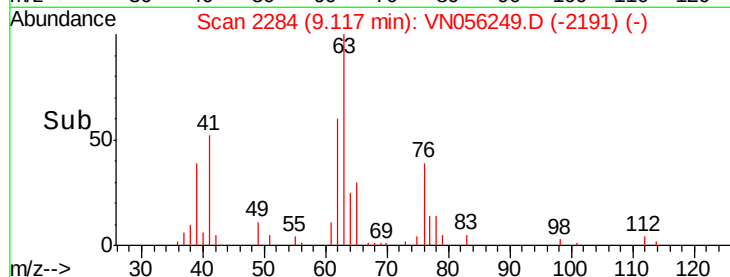
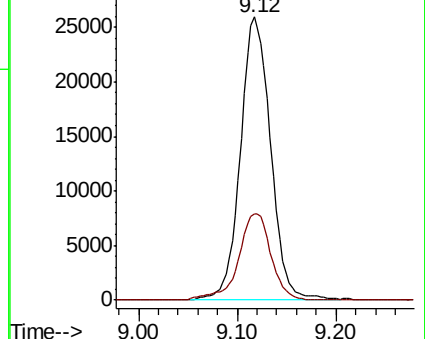
63 100

65 30.3 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 22.675 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

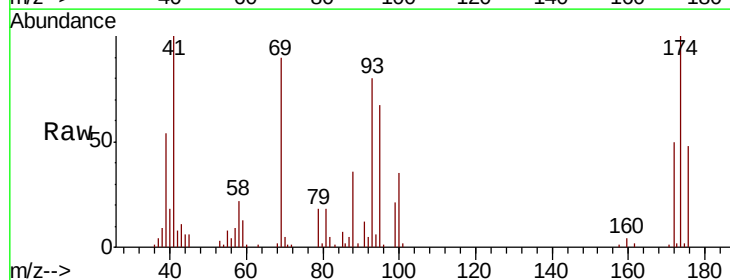
Tgt Ion: 93 Resp: 38058

Ion Ratio Lower Upper

93 100

95 82.3 66.7 100.1

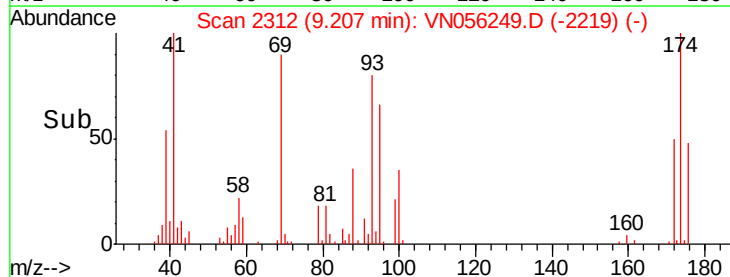
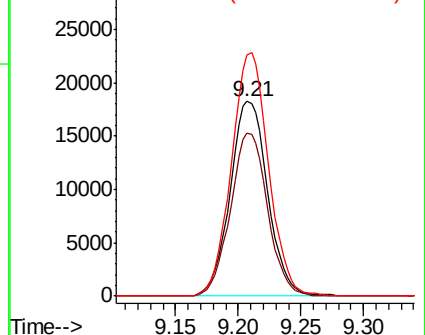
174 123.3 96.4 144.6

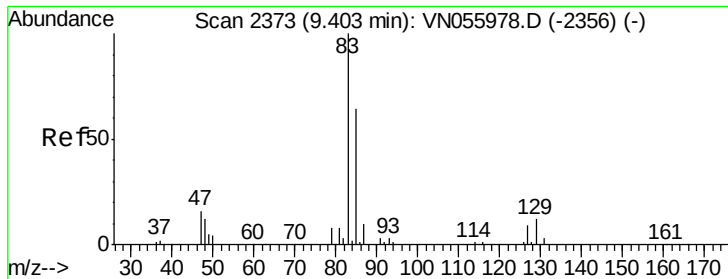


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 23.530 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS02

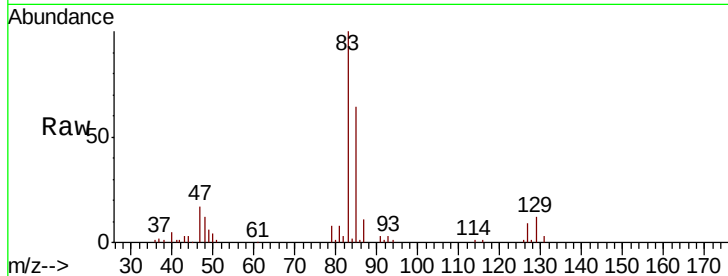
Tot Ion: 83 Resp: 71577

Ion Ratio Lower Upper

83 100

85 64.4 52.2 78.2

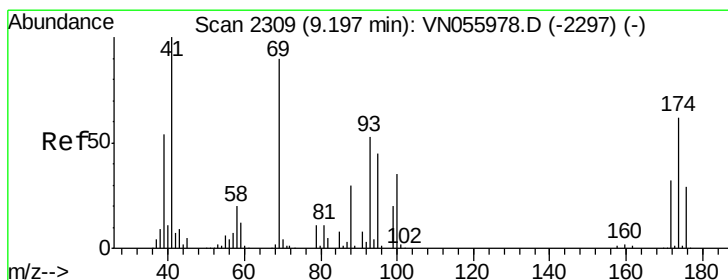
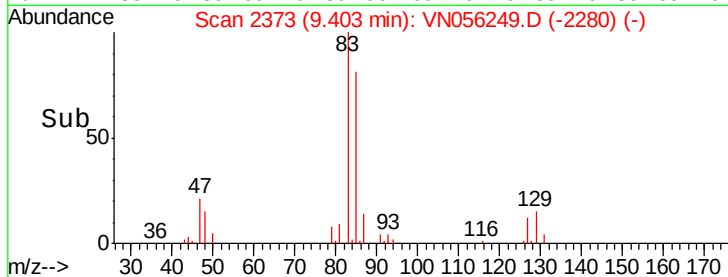
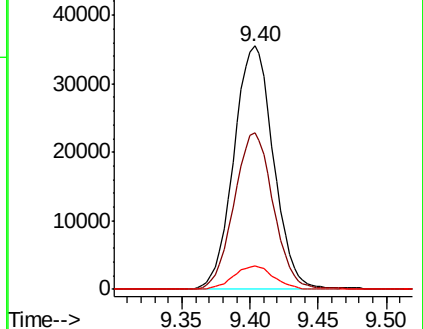
127 9.4 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 21.130 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

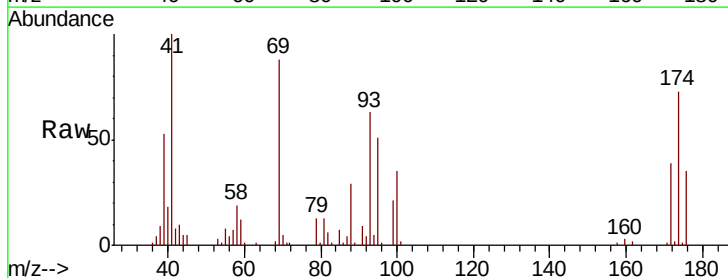
Tgt Ion: 41 Resp: 49174

Ion Ratio Lower Upper

41 100

69 90.8 71.0 106.6

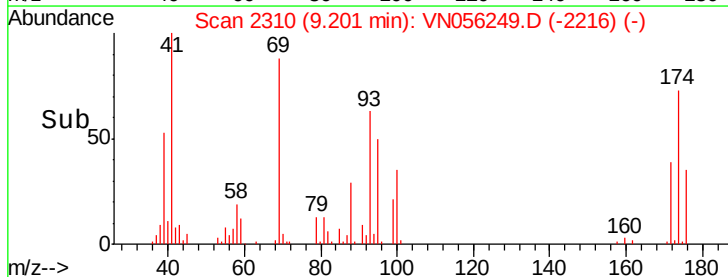
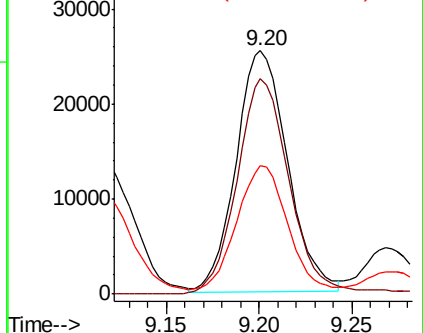
39 53.1 44.2 66.2

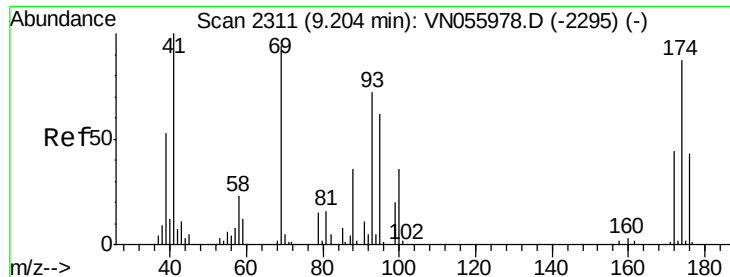


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 432.605 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS02

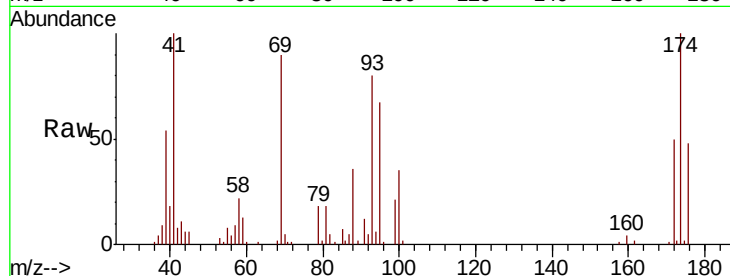
Tot Ion: 88 Resp: 21735

Ion Ratio Lower Upper

88 100

43 28.2 20.5 30.7

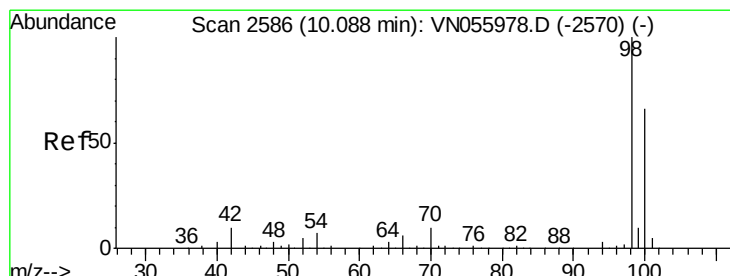
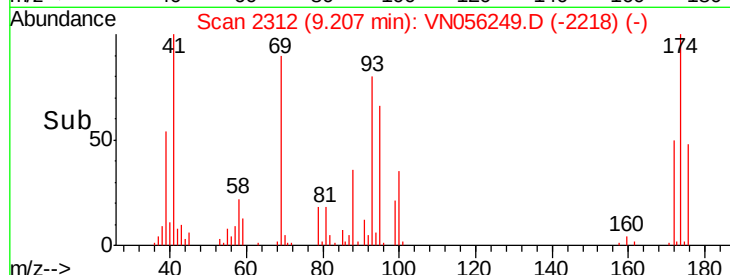
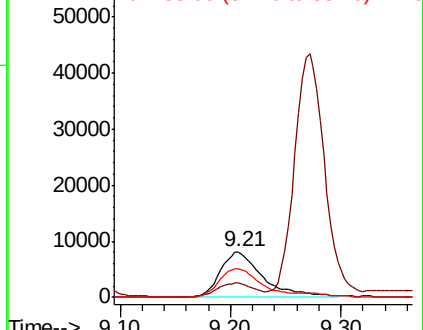
58 61.3 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.348 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056249.D

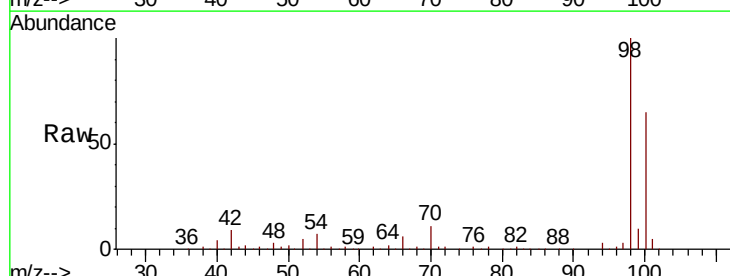
Acq: 12 Jun 2019 15:24

Tgt Ion: 98 Resp: 447022

Ion Ratio Lower Upper

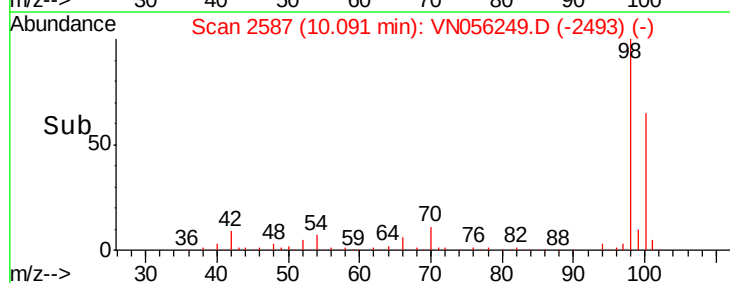
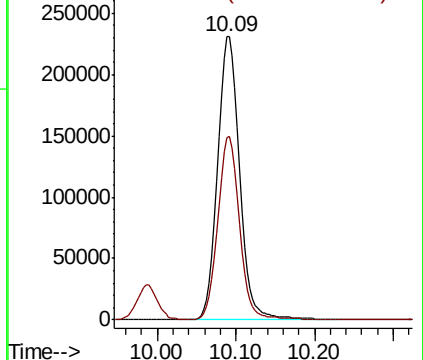
98 100

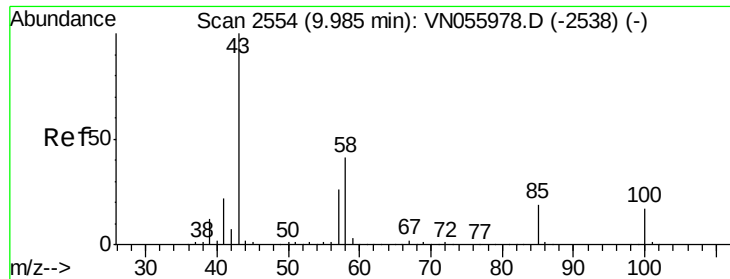
100 63.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 111.502 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

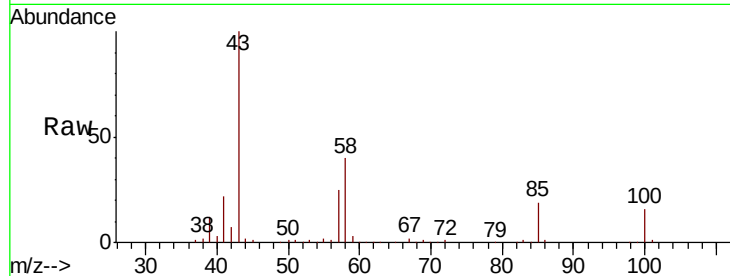
VN0612WBS02

Tot Ion: 43 Resp: 331690

Ion Ratio Lower Upper

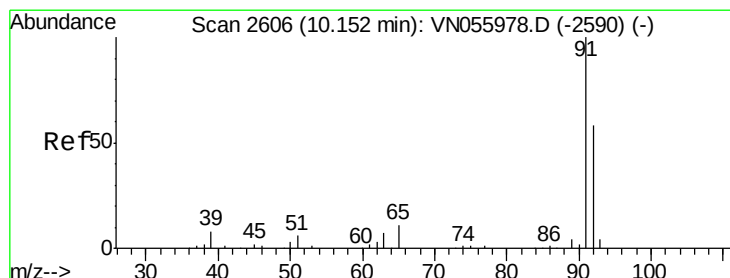
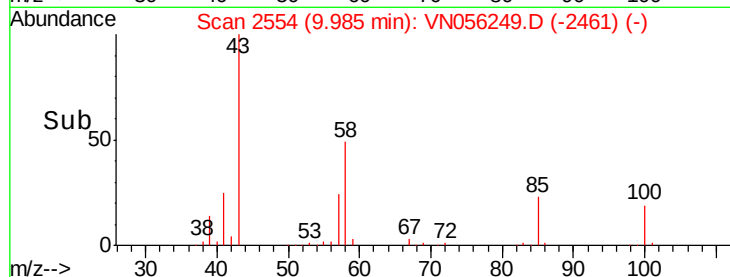
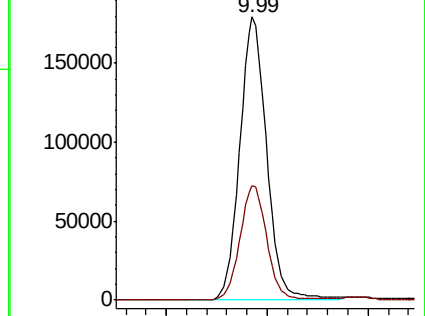
43 100

58 40.2 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.479 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056249.D

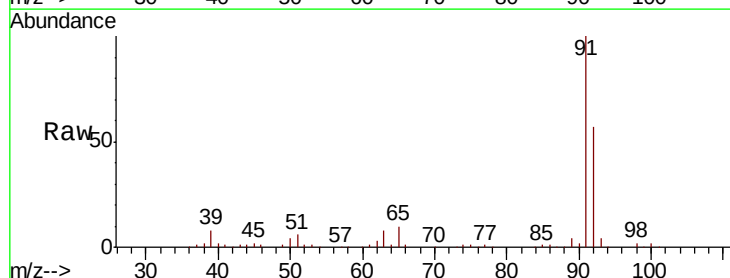
Acq: 12 Jun 2019 15:24

Tgt Ion: 92 Resp: 127693

Ion Ratio Lower Upper

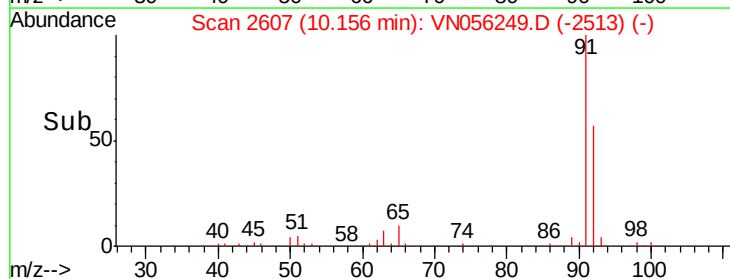
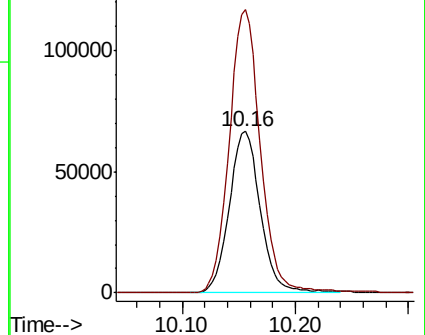
92 100

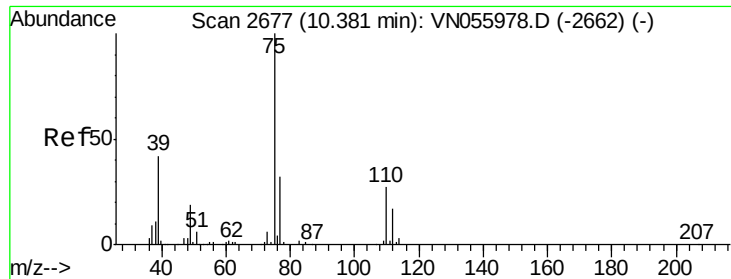
91 175.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.168 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

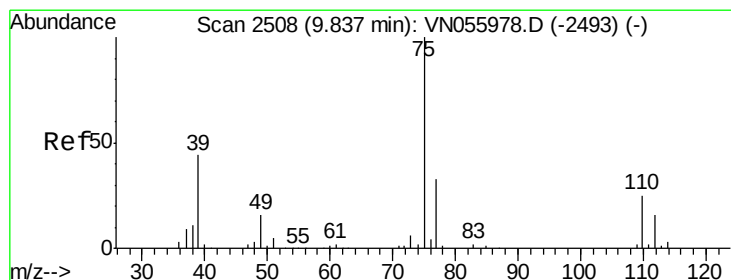
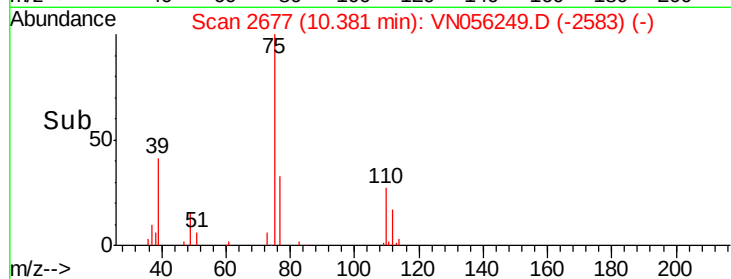
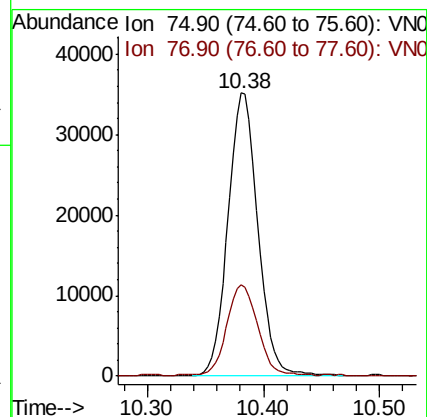
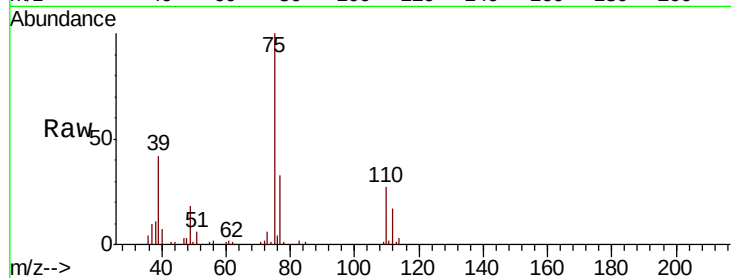
VN0612WBS02

Tot Ion: 75 Resp: 62824

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 20.820 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

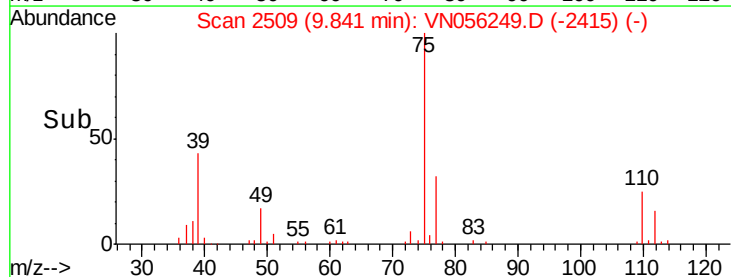
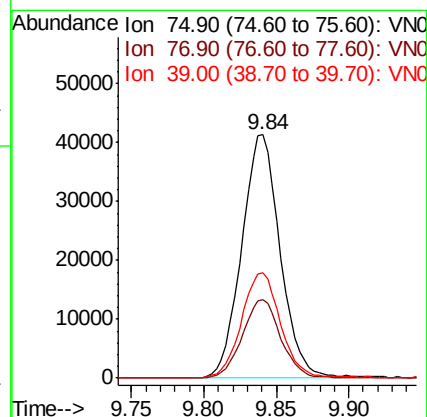
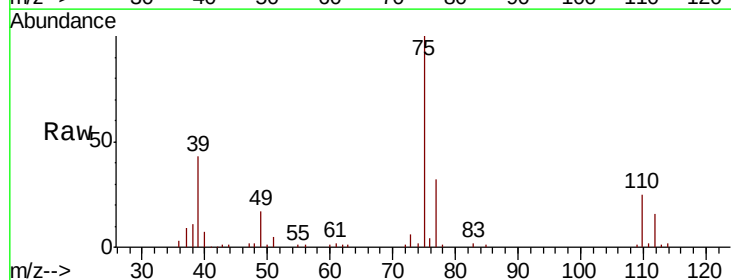
Tgt Ion: 75 Resp: 76130

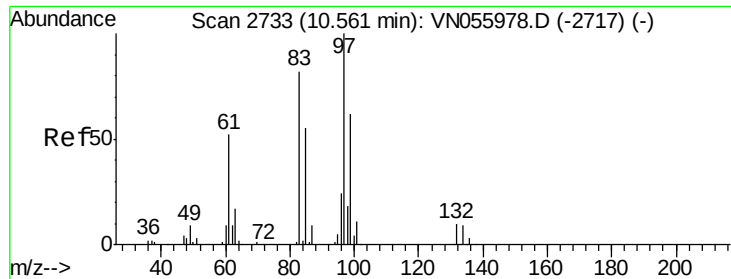
Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

39 43.4 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 22.519 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS02

Tot Ion: 97 Resp: 55621

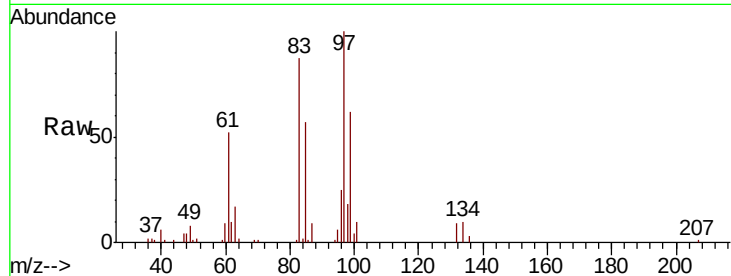
Ion Ratio Lower Upper

97 100

83 87.3 67.0 100.6

85 56.8 44.0 66.0

99 61.8 50.6 75.8

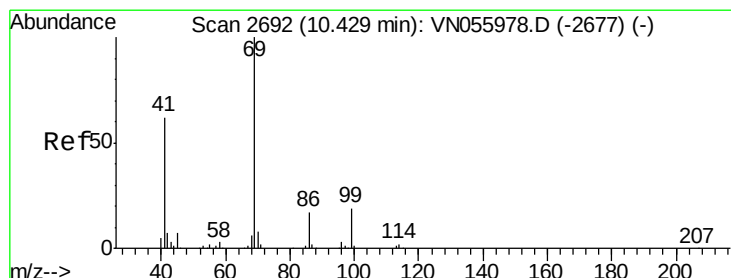
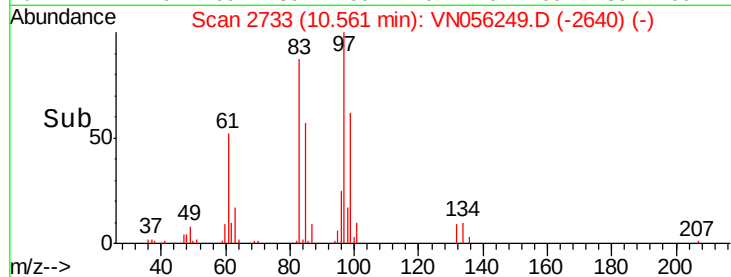
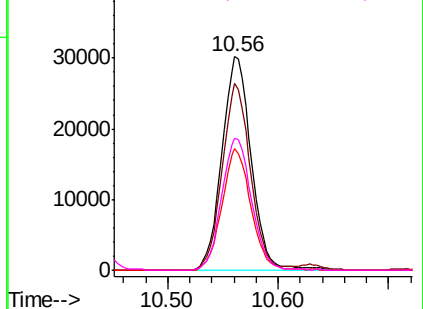


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.610 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

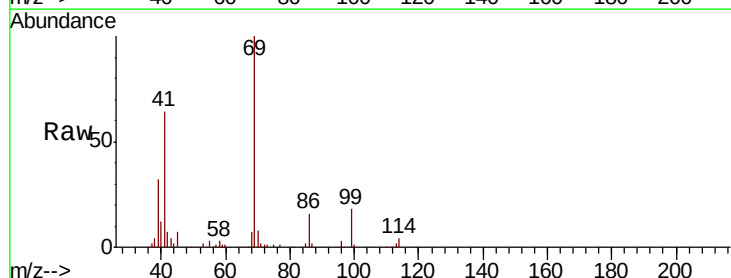
Tgt Ion: 69 Resp: 74267

Ion Ratio Lower Upper

69 100

41 63.0 49.7 74.5

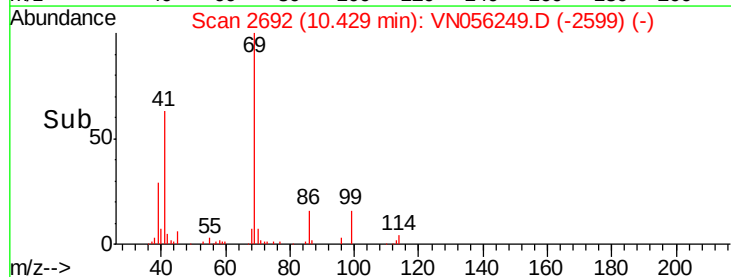
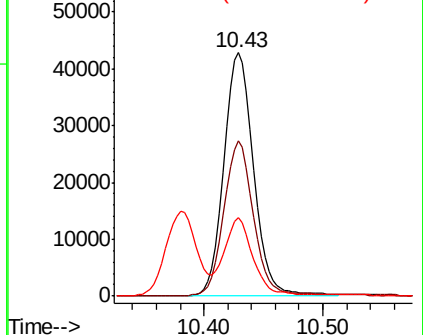
39 29.9 24.7 37.1

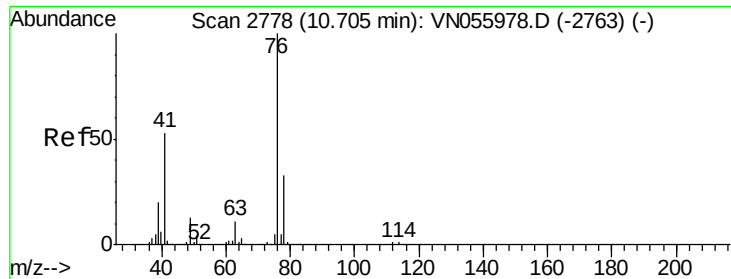


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

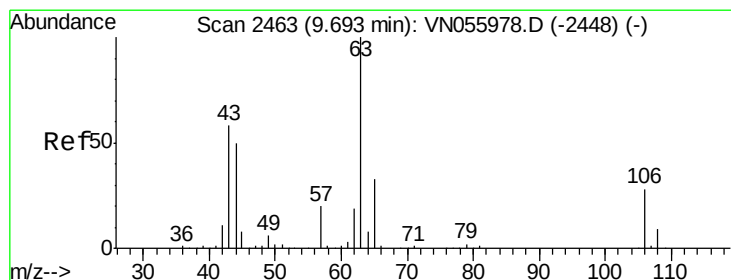
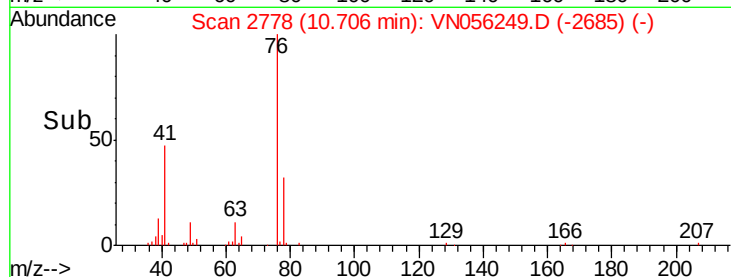
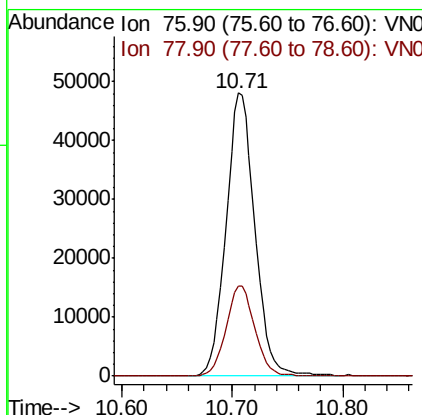
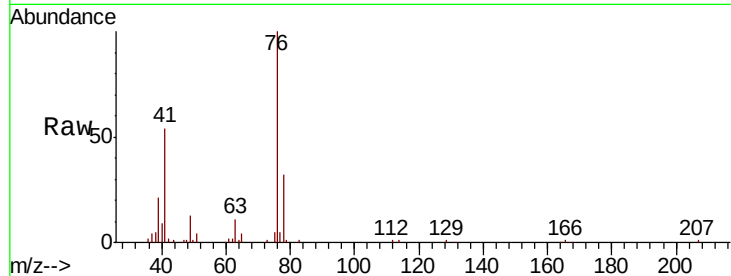




#57
 1,3-Dichloropropane
 Concen: 21.722 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

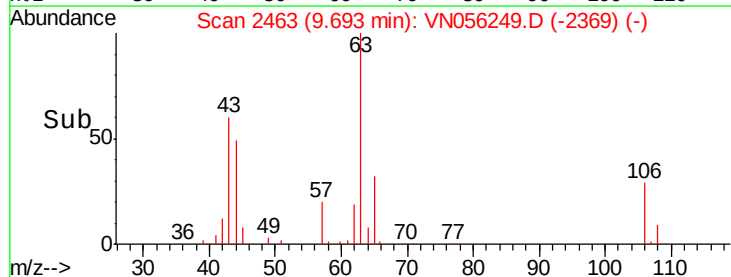
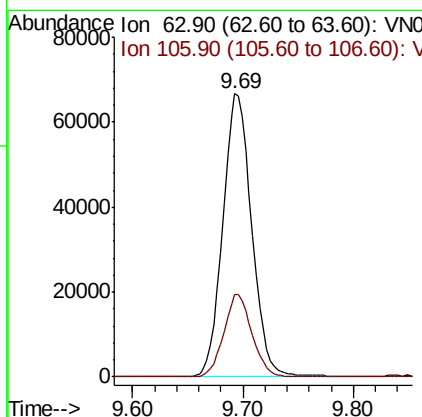
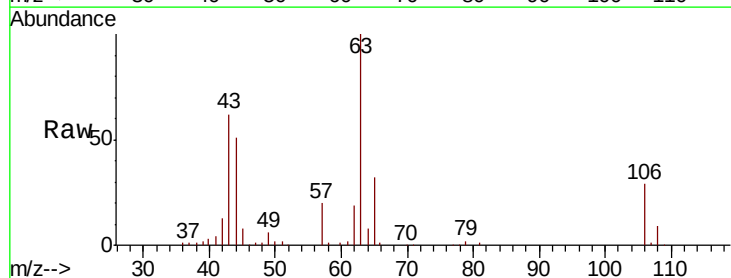
Instrument :
 MSVOA_N
 ClientSampled :
 VN0612WBS02

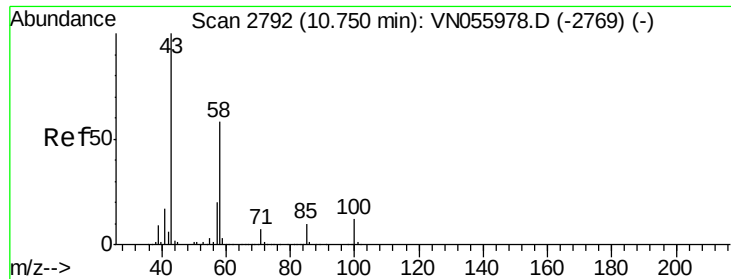
Tot Ion: 76 Resp: 87217
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.600 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion: 63 Resp: 121108
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.7 34.1

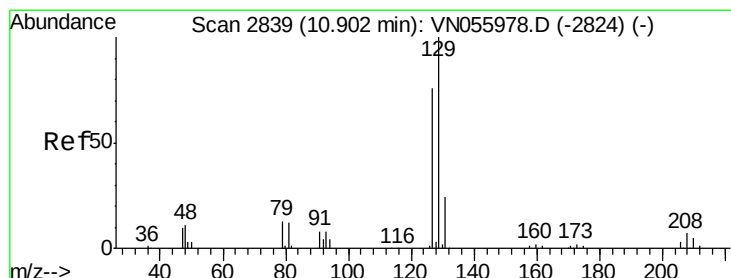
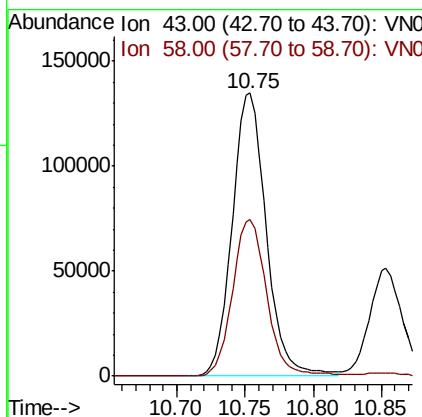
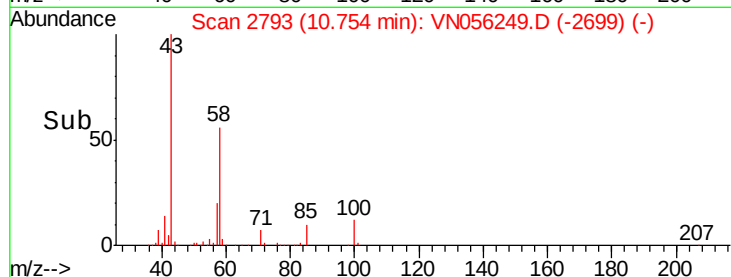
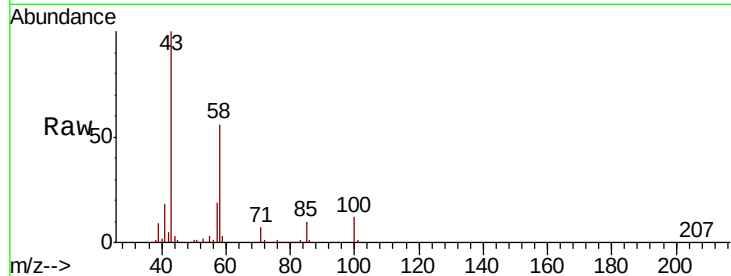




#59
2-Hexanone
Concen: 108.506 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

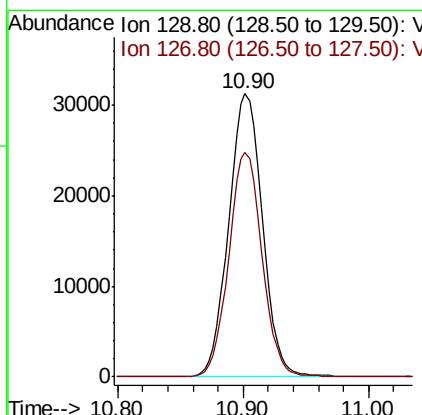
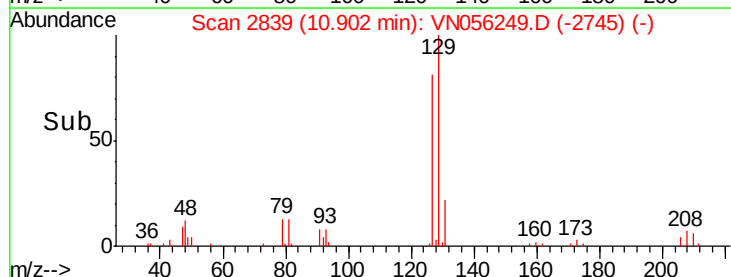
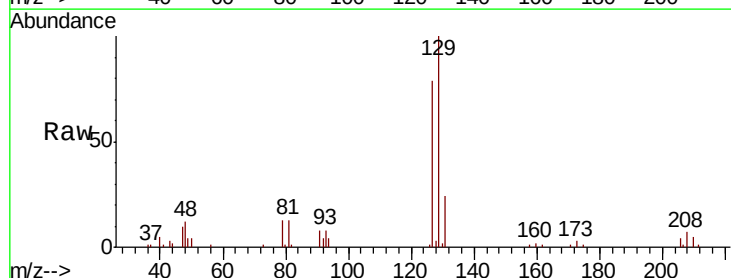
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

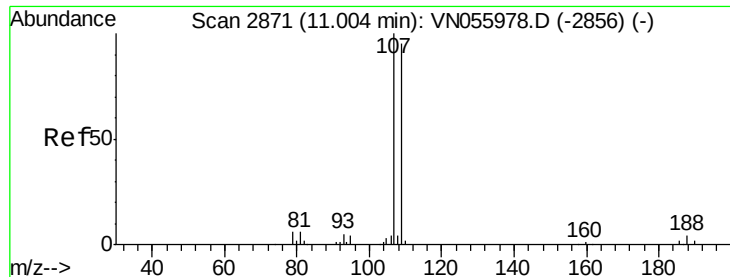
Tot Ion: 43 Resp: 233942
Ion Ratio Lower Upper
43 100
58 55.8 28.2 84.7



#60
Dibromochloromethane
Concen: 22.946 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion: 129 Resp: 58706
Ion Ratio Lower Upper
129 100
127 77.7 38.1 114.3

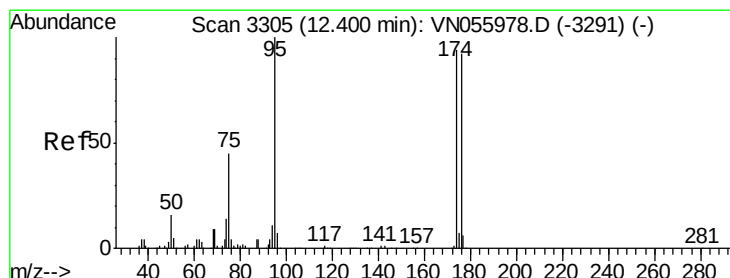
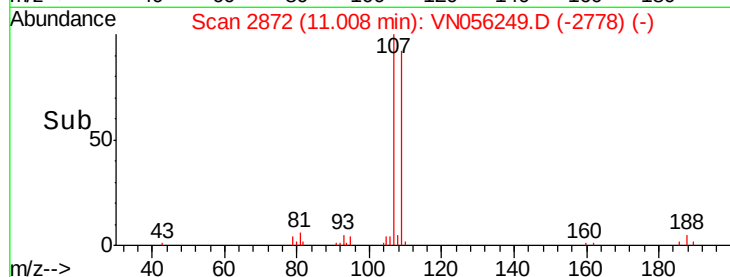
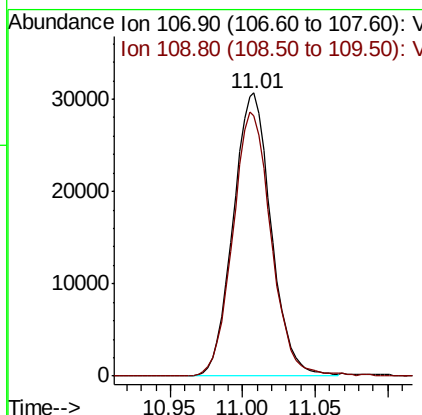
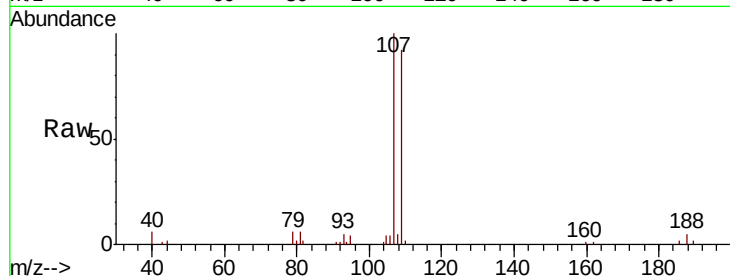




#61
 1,2-Dibromoethane
 Concen: 22.155 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

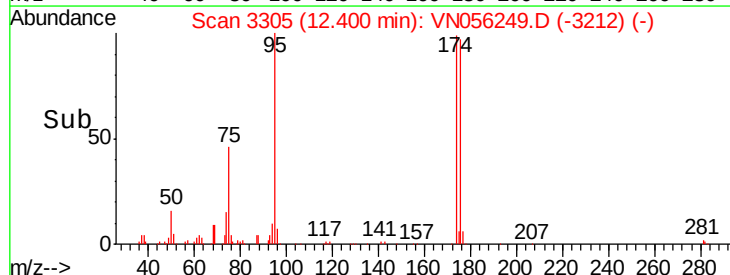
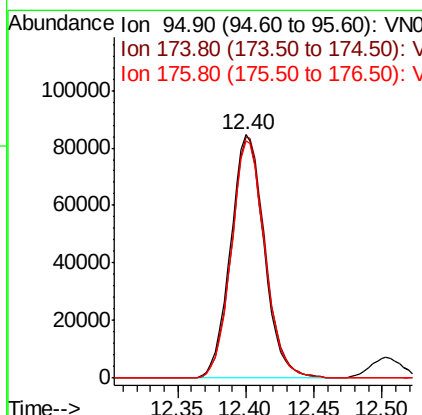
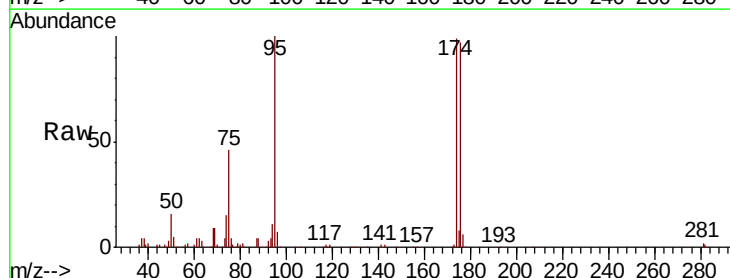
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS02

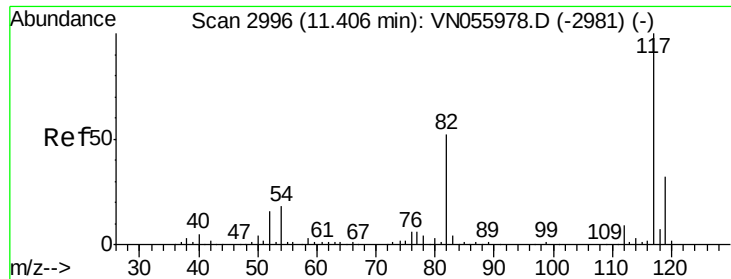
Tot Ion:107 Resp: 55941
 Ion Ratio Lower Upper
 107 100
 109 93.3 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 46.900 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion: 95 Resp: 144479
 Ion Ratio Lower Upper
 95 100
 174 99.9 0.0 191.0
 176 97.2 0.0 185.2

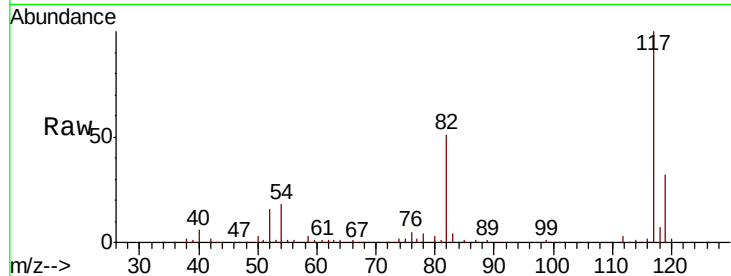




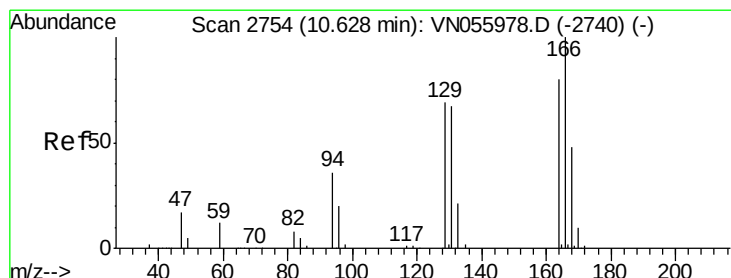
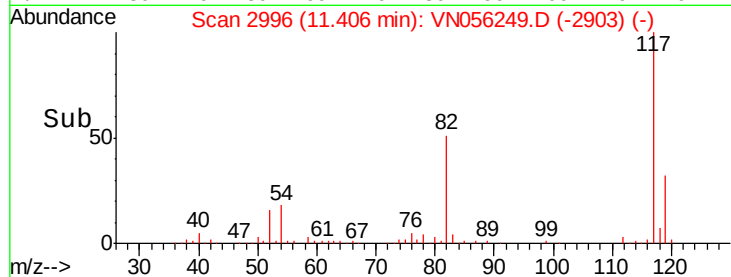
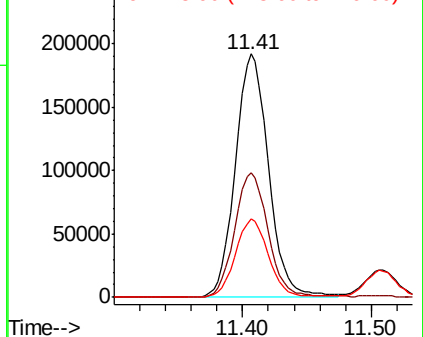
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampled :
VN0612WBS02

Tot Ion:117 Resp: 343674
Ion Ratio Lower Upper
117 100
82 51.2 41.8 62.8
119 32.0 25.4 38.0

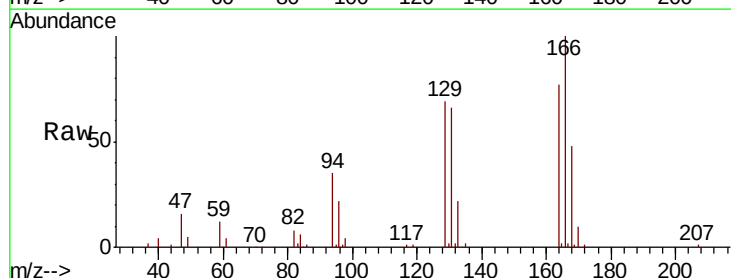


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

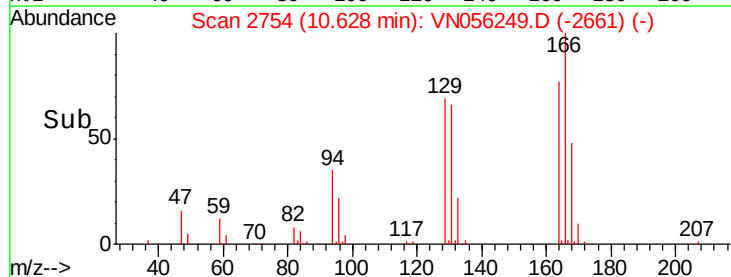
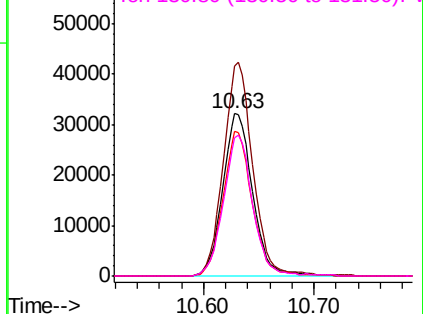


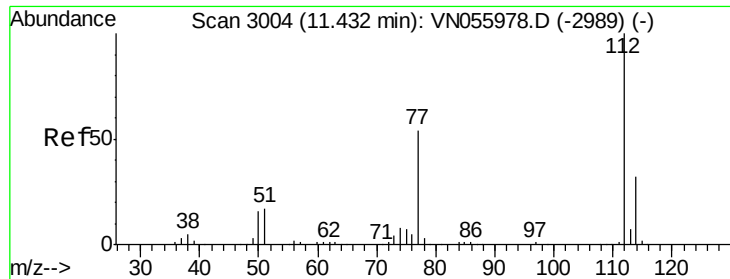
#64
Tetrachloroethene
Concen: 20.280 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion:164 Resp: 60330
Ion Ratio Lower Upper
164 100
166 129.9 103.0 154.6
129 89.1 70.6 105.8
131 85.6 68.6 102.8



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

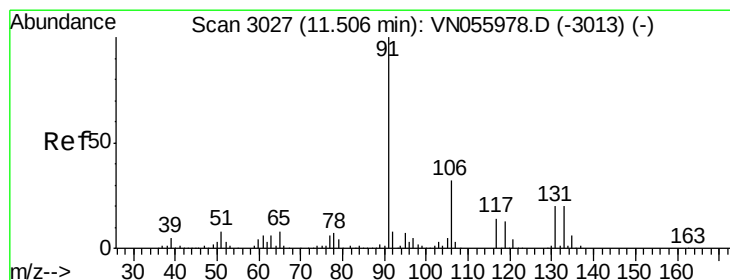
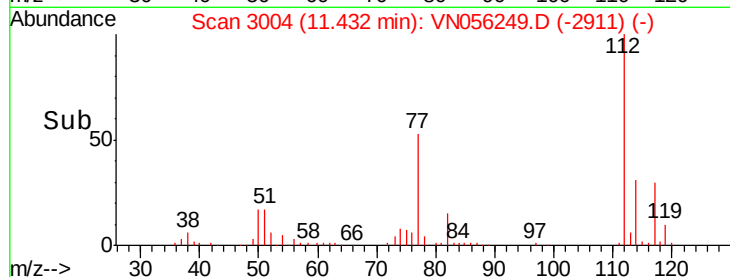
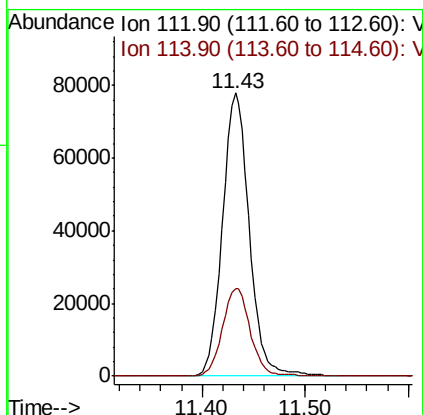
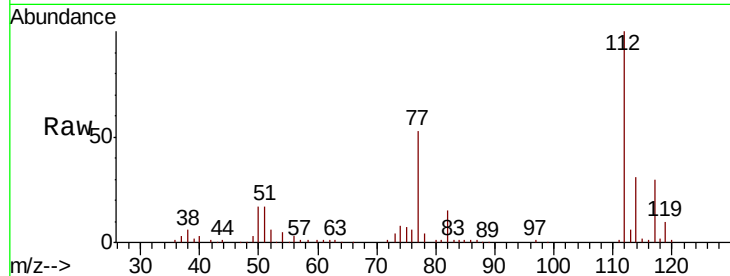




#65
Chlorobenzene
Concen: 20.587 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

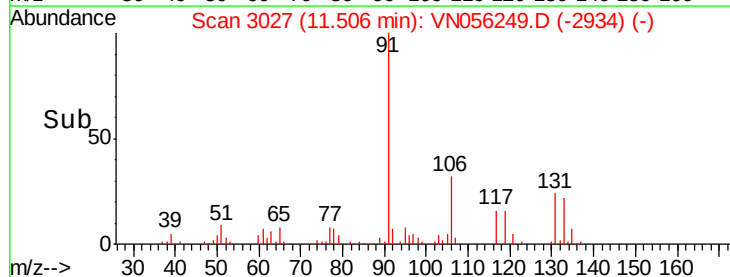
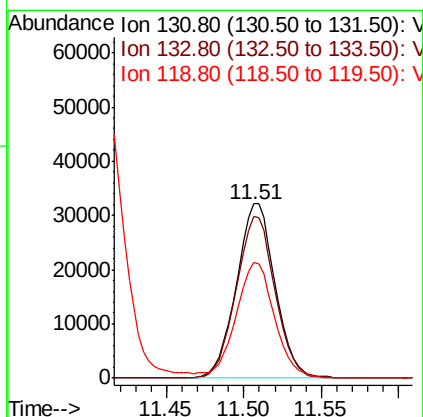
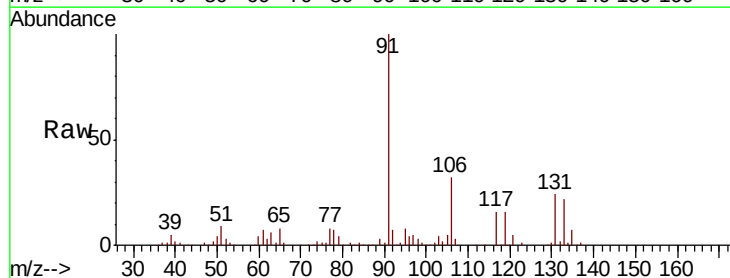
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

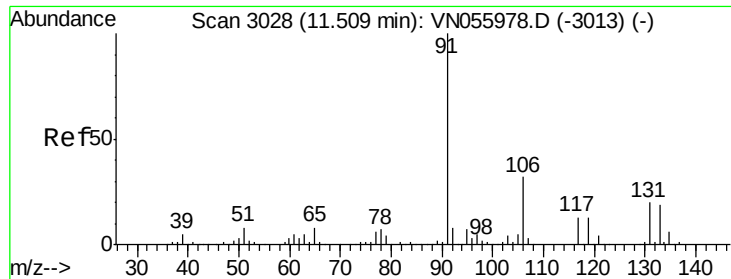
Tot Ion:112 Resp: 140809
Ion Ratio Lower Upper
112 100
114 31.1 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 23.577 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion:131 Resp: 55681
Ion Ratio Lower Upper
131 100
133 93.4 48.0 144.0
119 66.2 33.1 99.5

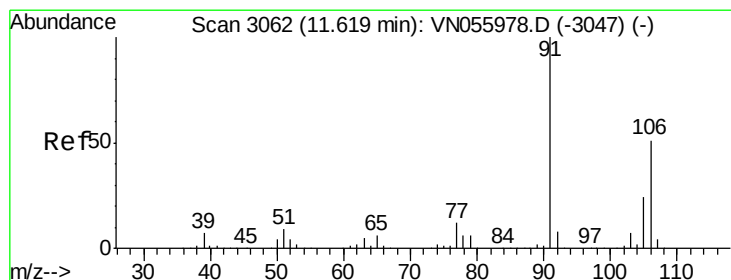
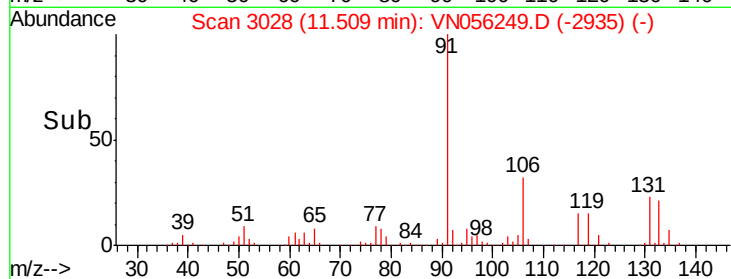
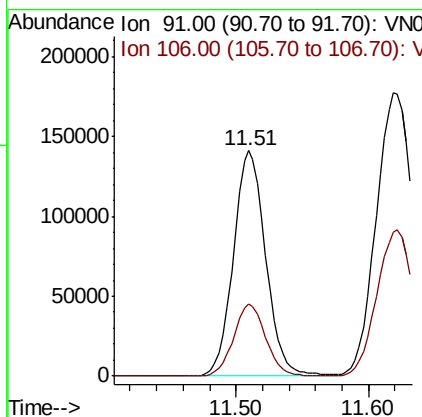
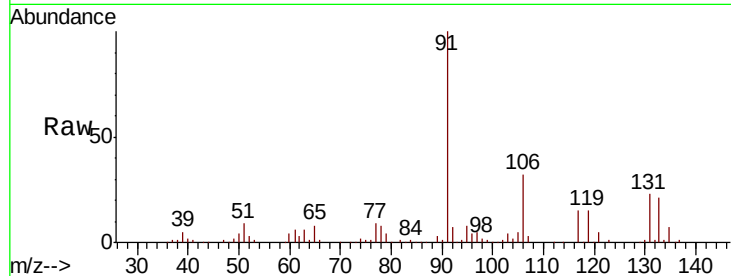




#67
Ethyl Benzene
Concen: 20.060 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

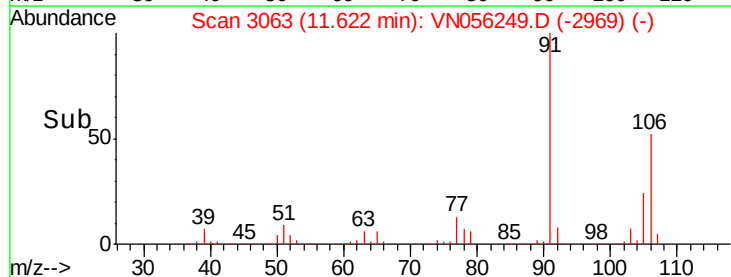
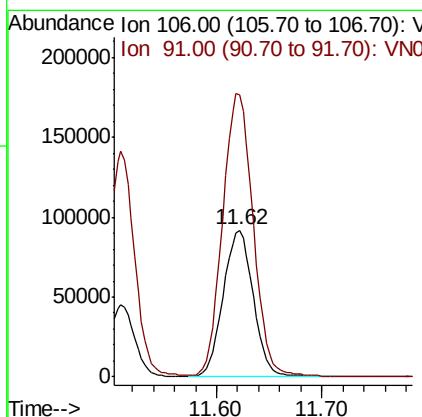
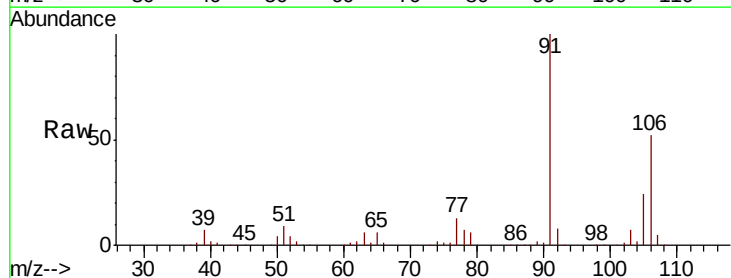
Instrument :
MSVOA_N
ClientSampled :
VN0612WBS02

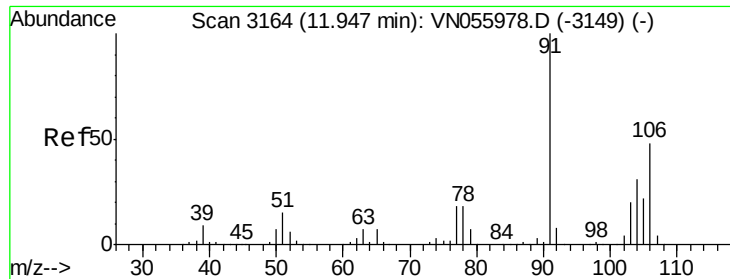
Tot Ion: 91 Resp: 238580
Ion Ratio Lower Upper
91 100
106 32.1 25.1 37.7



#68
m/p-Xylenes
Concen: 39.991 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion: 106 Resp: 181693
Ion Ratio Lower Upper
106 100
91 195.8 159.3 238.9

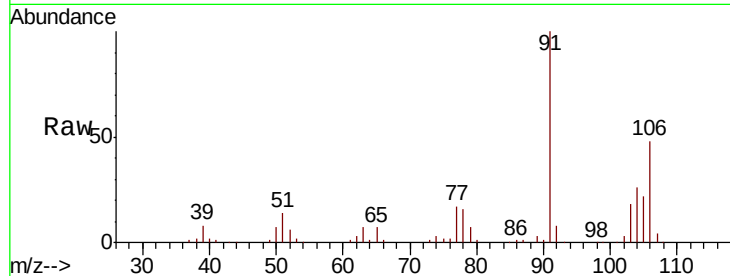




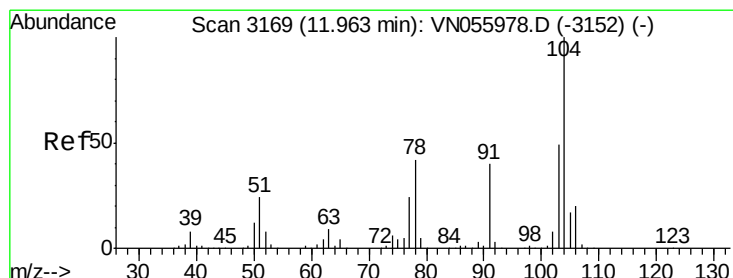
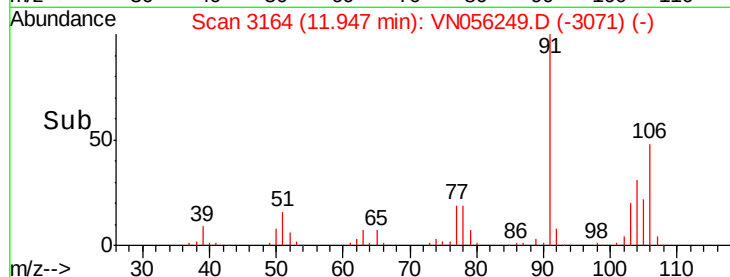
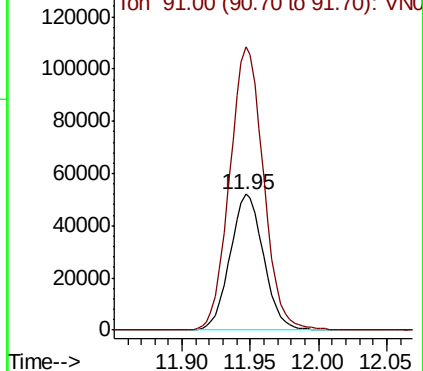
#69
o-Xylene
Concen: 19.868 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

Tot Ion:106 Resp: 88793
Ion Ratio Lower Upper
106 100
91 210.1 104.7 314.1

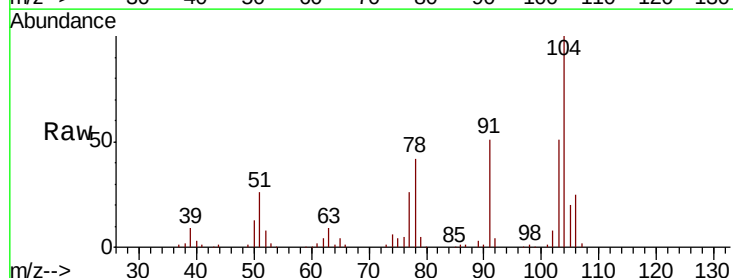


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

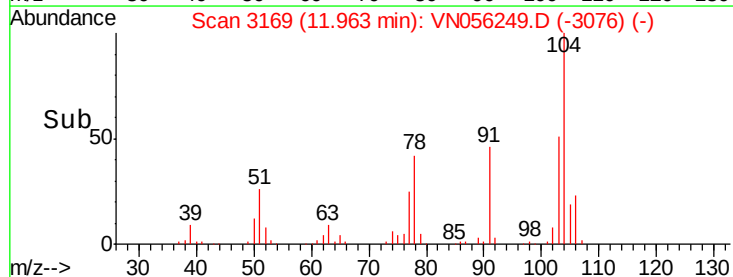
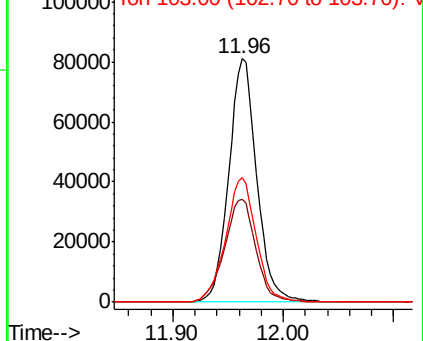


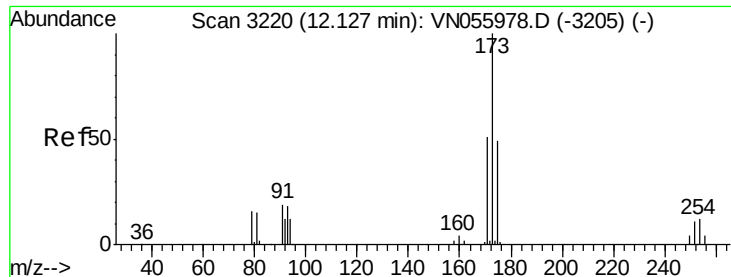
#70
Styrene
Concen: 20.115 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion:104 Resp: 142830
Ion Ratio Lower Upper
104 100
78 47.1 37.8 56.6
103 55.8 44.2 66.2



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

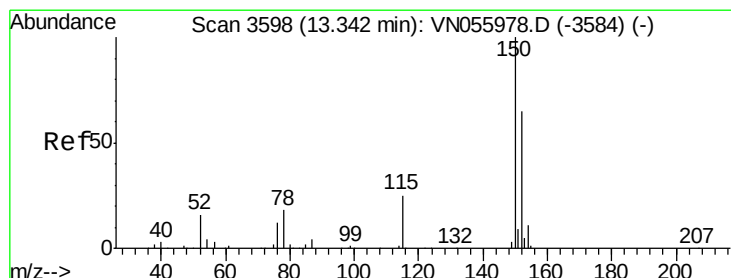
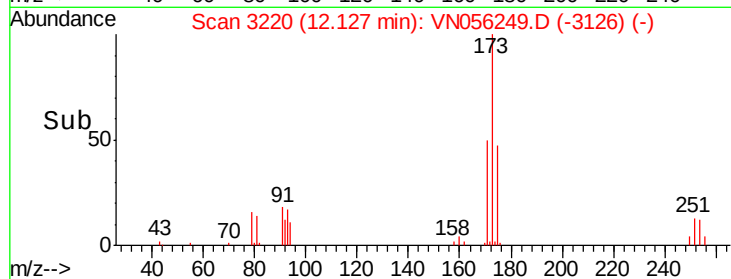
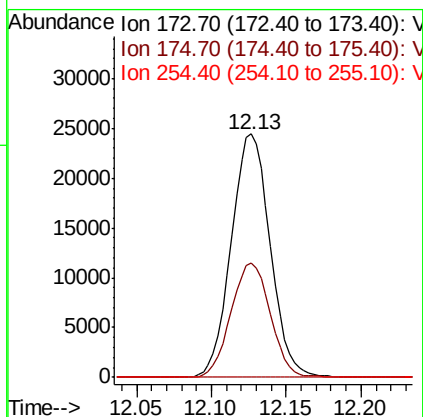
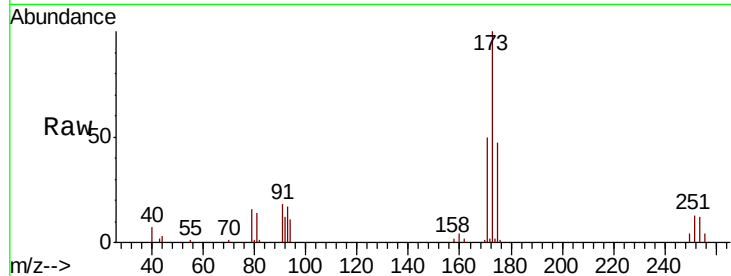




#71
Bromoform
Concen: 23.824 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

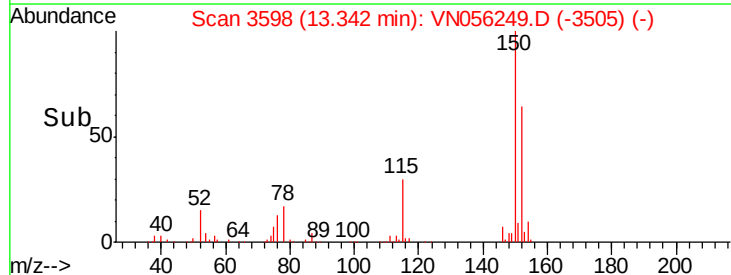
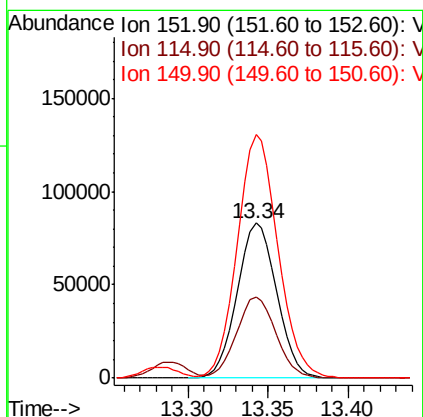
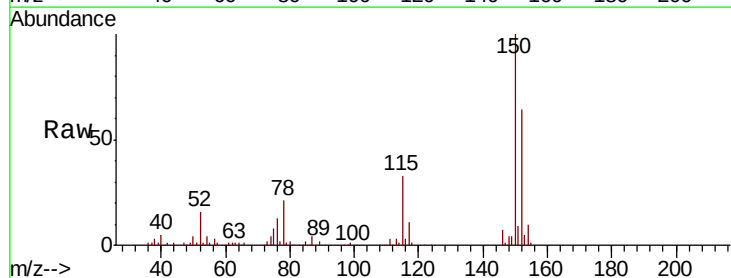
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

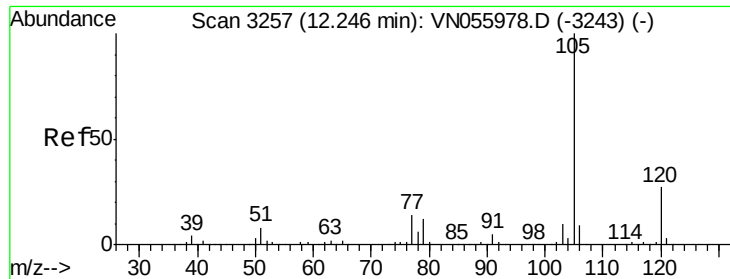
Tot Ion:173 Resp: 44227
Ion Ratio Lower Upper
173 100
175 47.6 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion:152 Resp: 139445
Ion Ratio Lower Upper
152 100
115 52.3 27.0 81.0
150 161.7 0.0 343.2





#73

Isopropylbenzene

Concen: 22.474 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

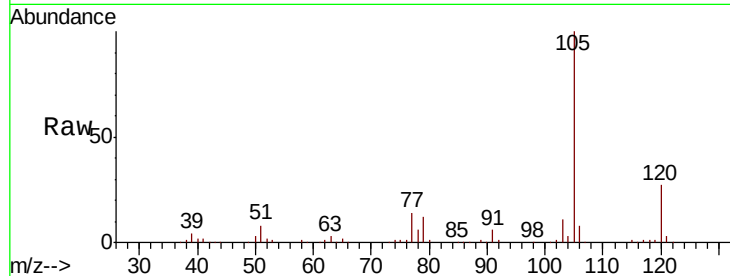
VN0612WBS02

Tot Ion:105 Resp: 236630

Ion Ratio Lower Upper

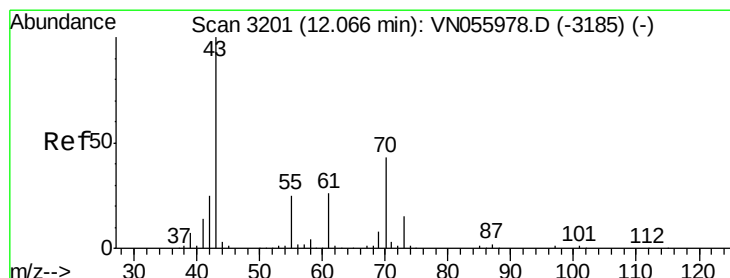
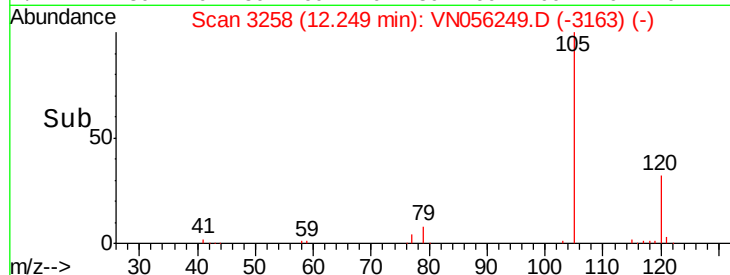
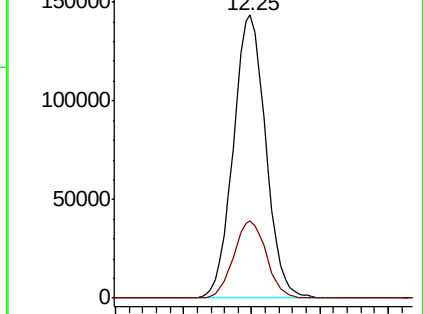
105 100

120 27.4 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.501 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Tgt Ion: 43 Resp: 76206

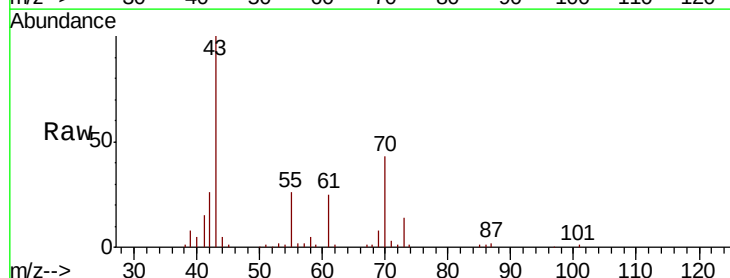
Ion Ratio Lower Upper

43 100

70 44.7 34.0 51.0

55 26.6 18.6 28.0

61 24.9 20.0 30.0

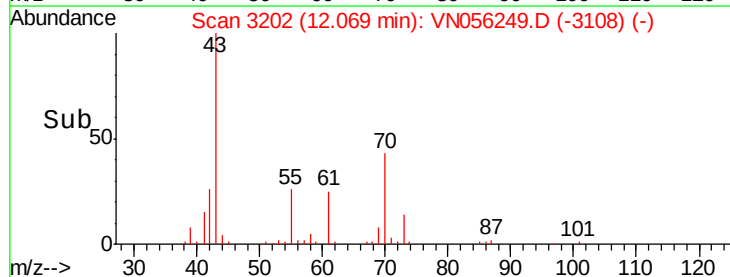
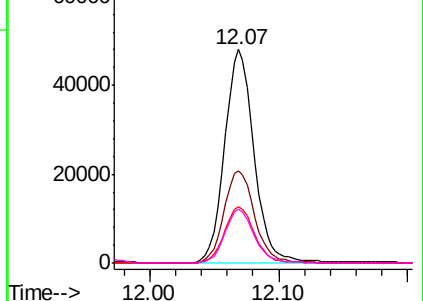


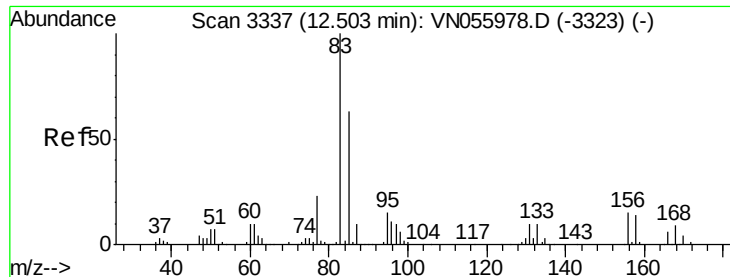
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.170 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS02

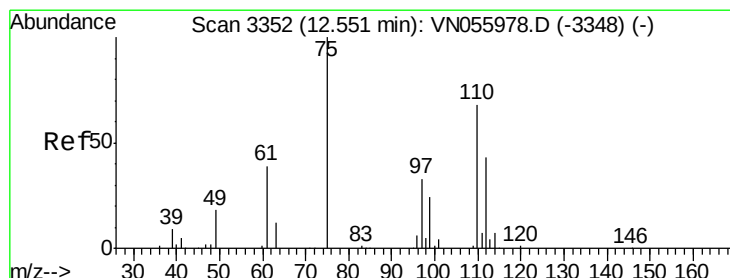
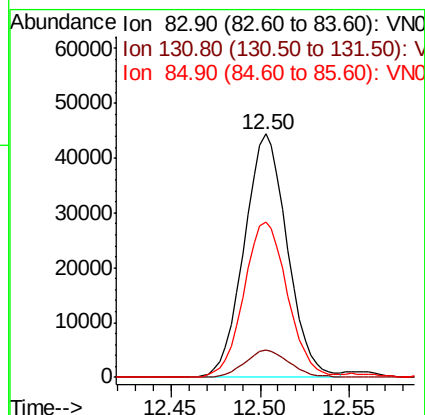
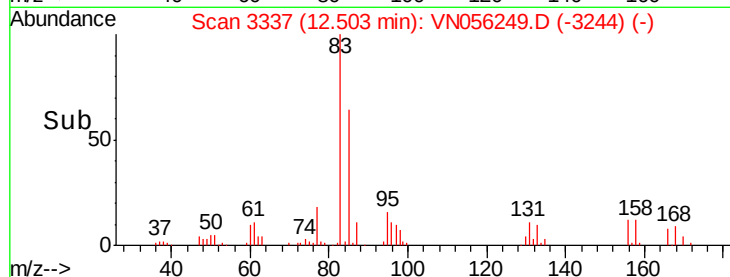
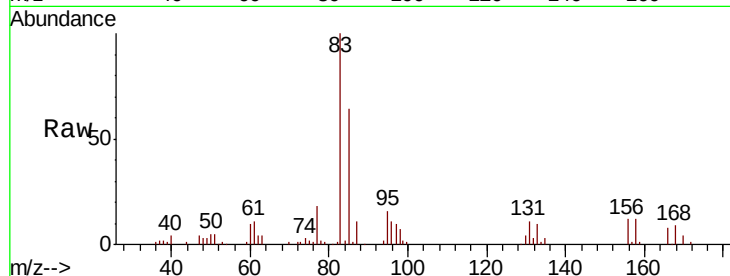
Tot Ion: 83 Resp: 75005

Ion Ratio Lower Upper

83 100

131 11.4 5.4 16.2

85 64.6 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 33.029 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056249.D

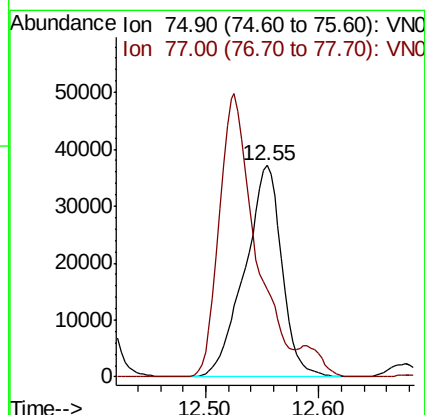
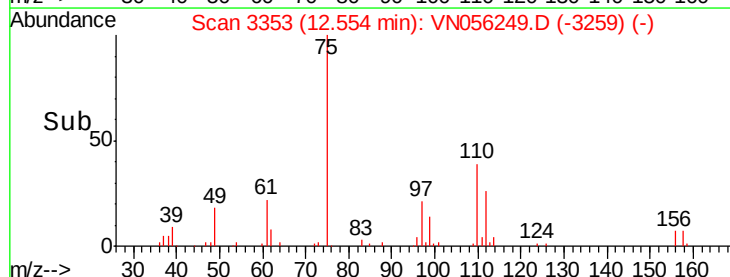
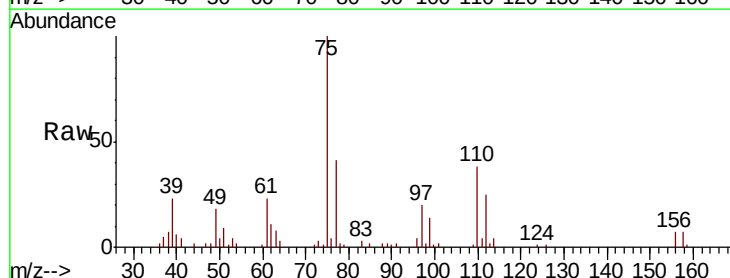
Acq: 12 Jun 2019 15:24

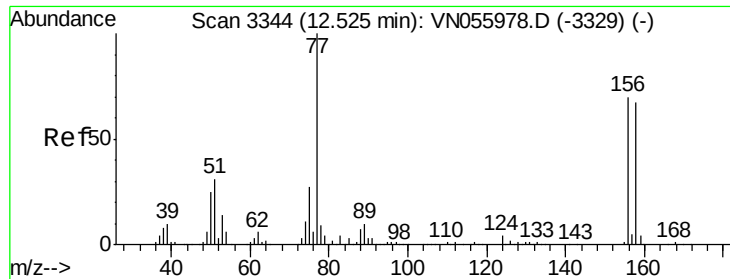
Tgt Ion: 75 Resp: 84748

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.696 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS02

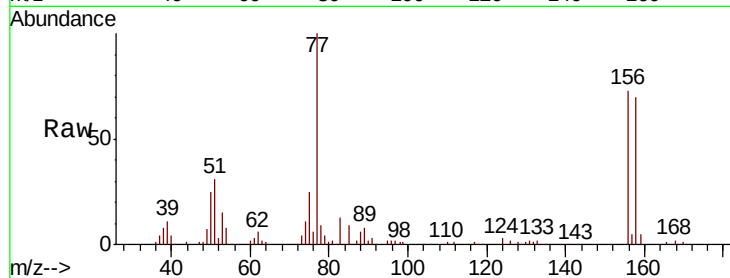
Tot Ion:156 Resp: 64774

Ion Ratio Lower Upper

156 100

77 170.0 90.8 272.5

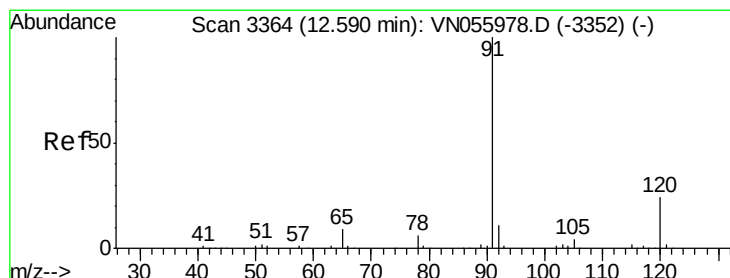
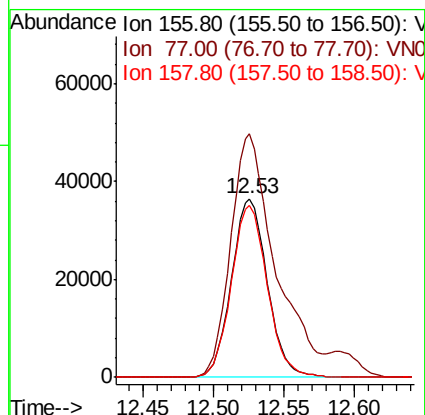
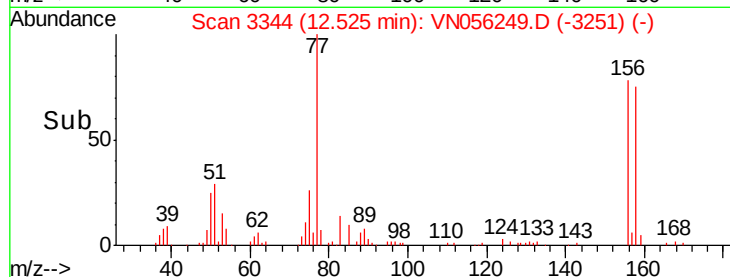
158 96.7 49.3 147.8



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: 20.125 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056249.D

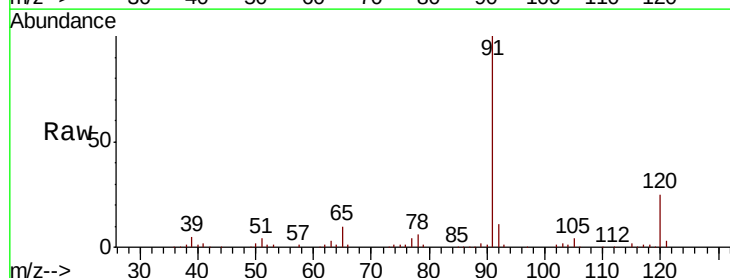
Acq: 12 Jun 2019 15:24

Tgt Ion: 91 Resp: 237418

Ion Ratio Lower Upper

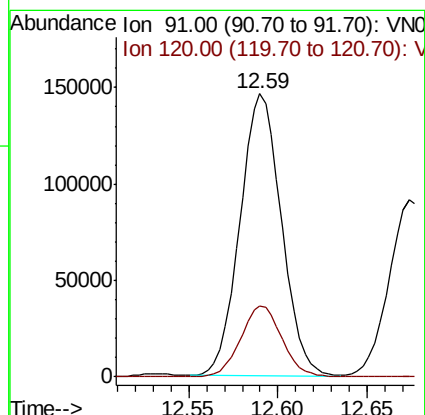
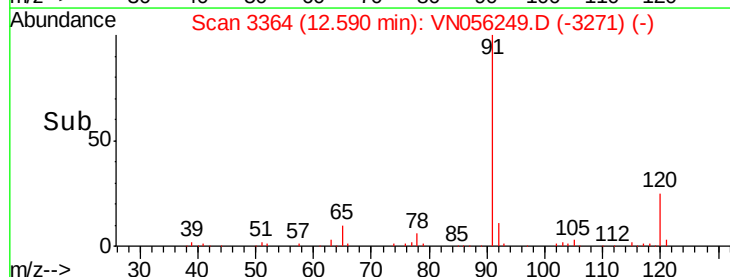
91 100

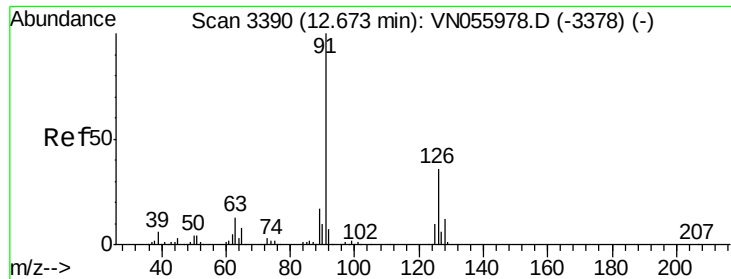
120 25.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.870 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampled :

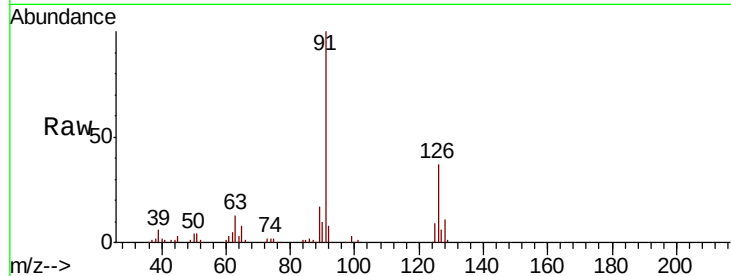
VN0612WBS02

Tot Ion: 91 Resp: 151649

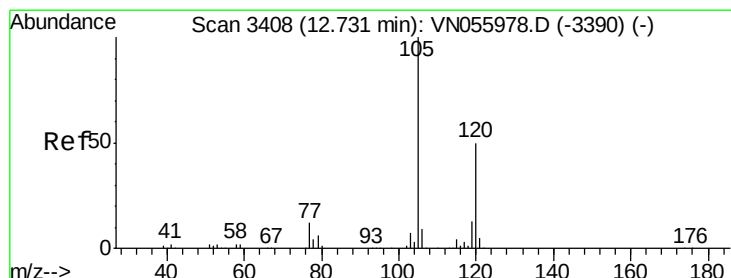
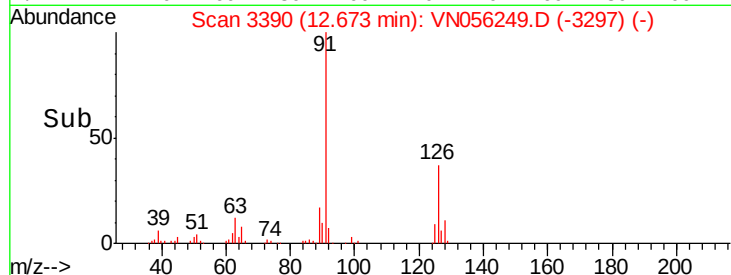
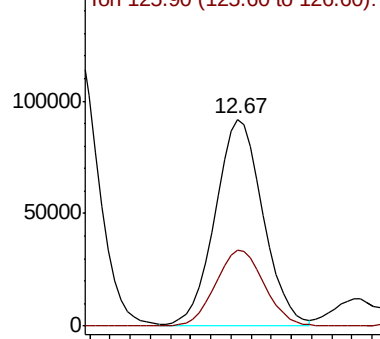
Ion Ratio Lower Upper

91 100

126 37.7 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.372 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056249.D

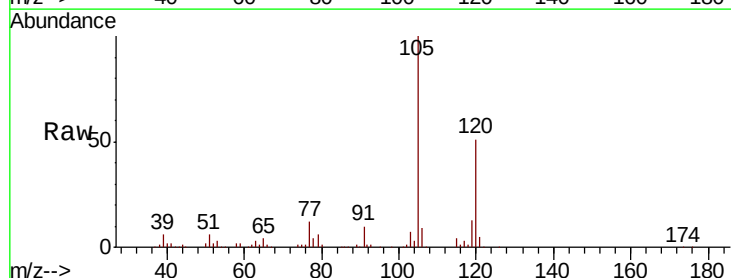
Acq: 12 Jun 2019 15:24

Tgt Ion: 105 Resp: 190999

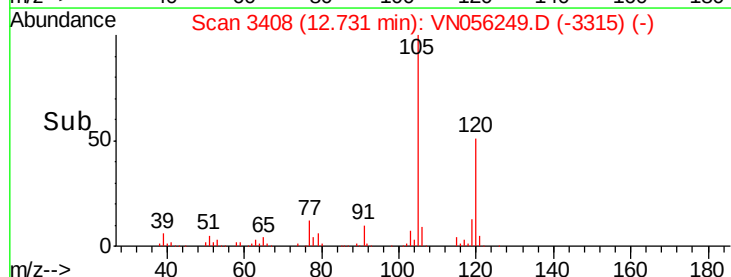
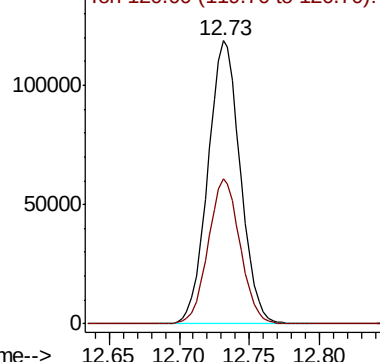
Ion Ratio Lower Upper

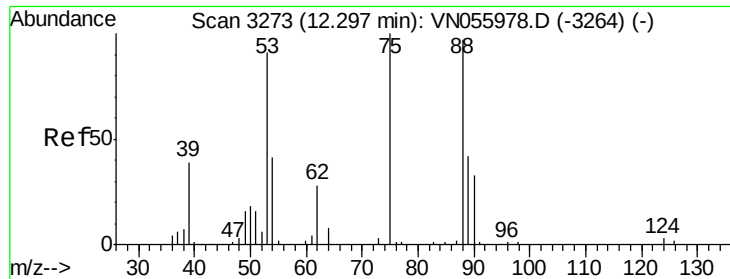
105 100

120 50.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)

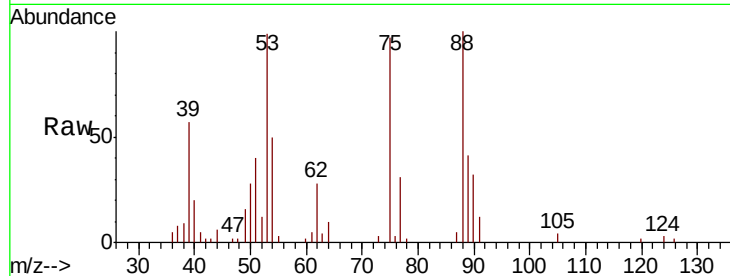




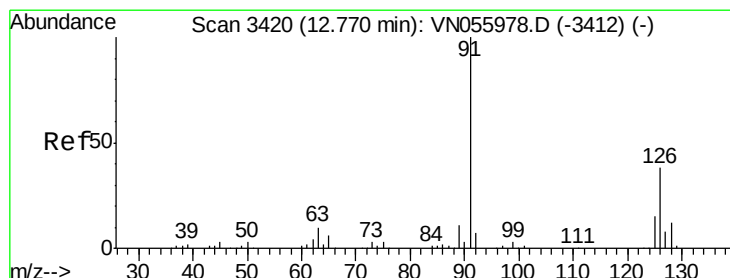
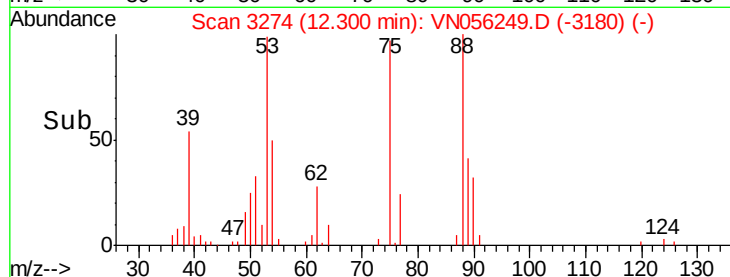
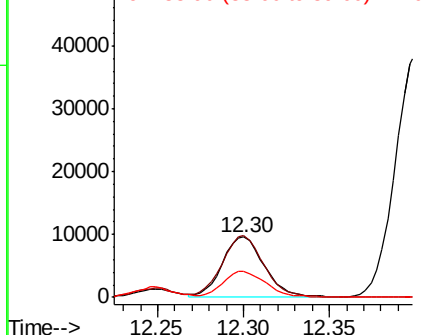
#81
trans-1,4-Dichloro-2-butene
Concen: 21.283 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

Tot Ion: 75 Resp: 16398
Ion Ratio Lower Upper
75 100
53 101.2 68.1 102.1
89 44.0 36.9 55.3

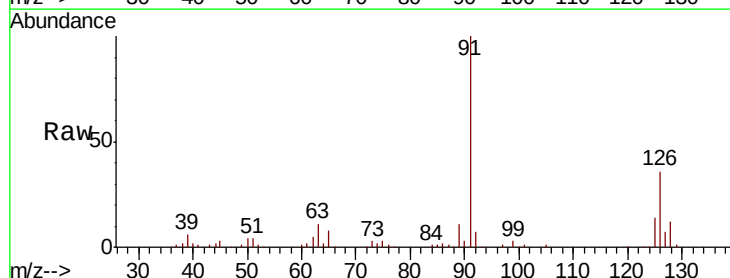


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

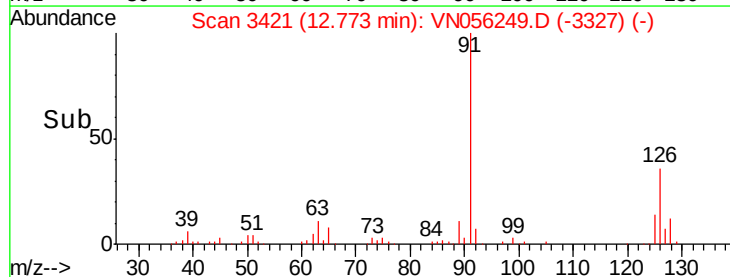
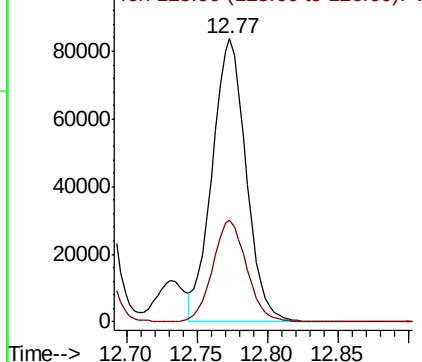


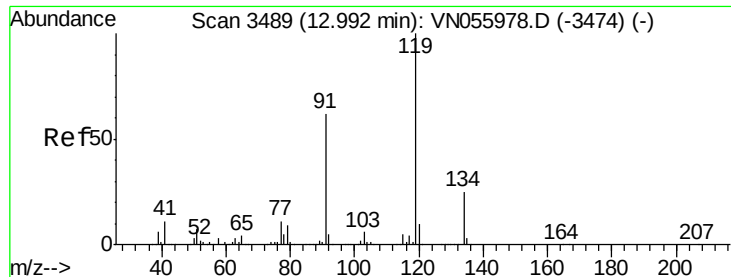
#82
4-Chlorotoluene
Concen: 20.249 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion: 91 Resp: 139752
Ion Ratio Lower Upper
91 100
126 35.9 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V

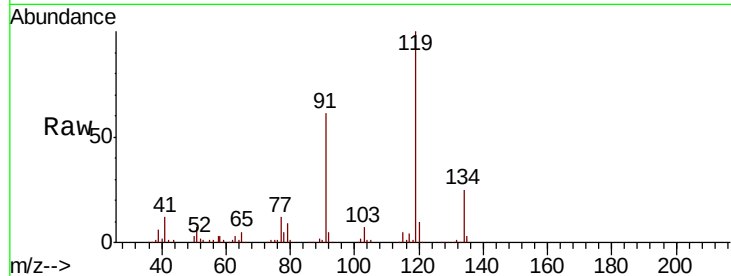




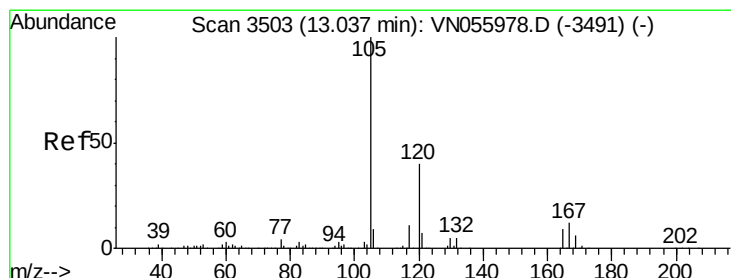
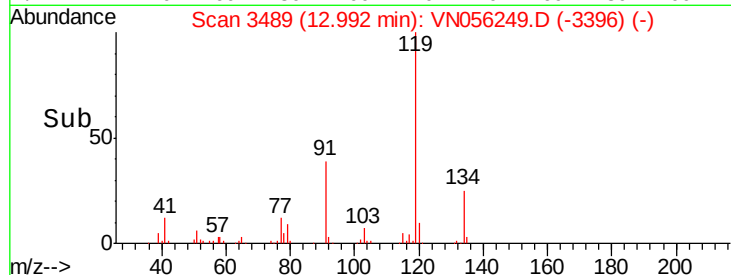
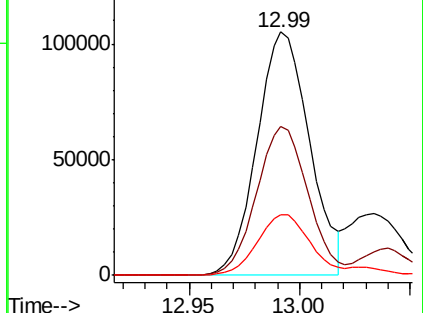
#83
 tert-Butylbenzene
 Concen: 22.447 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0612WBS02

Tot Ion:119 Resp: 174231
 Ion Ratio Lower Upper
 119 100
 91 60.0 30.9 92.8
 134 25.1 13.3 39.8

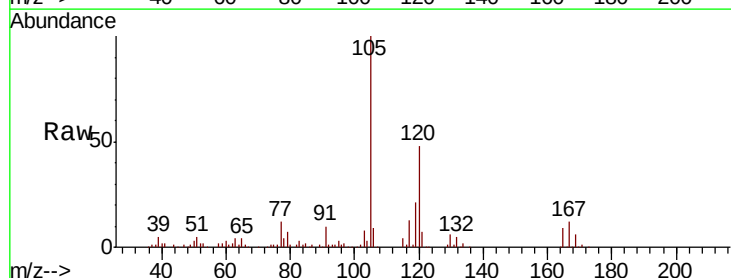


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

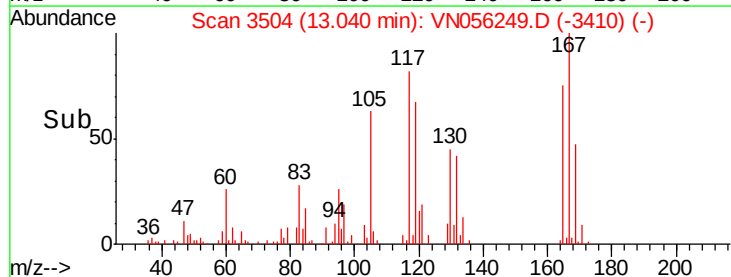
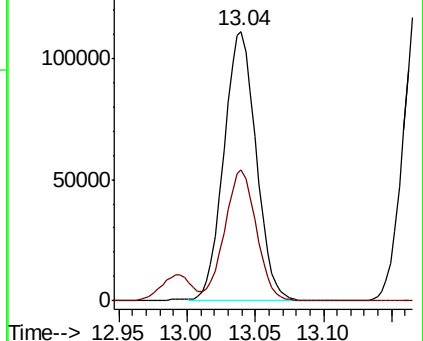


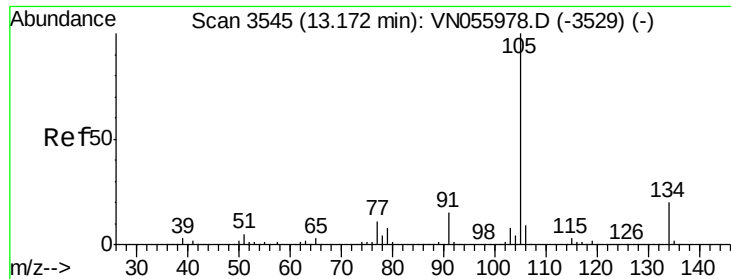
#84
 1,2,4-Trimethylbenzene
 Concen: 20.526 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion:105 Resp: 182495
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 20.802 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampled :

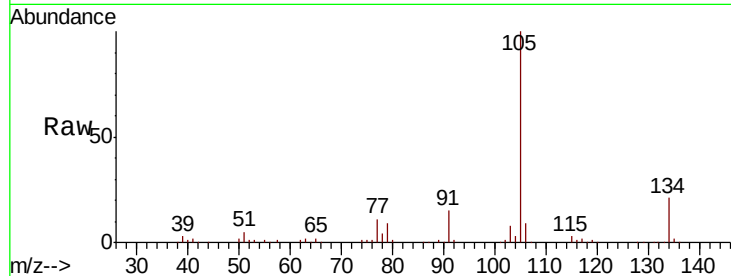
VN0612WBS02

Tot Ion:105 Resp: 217320

Ion Ratio Lower Upper

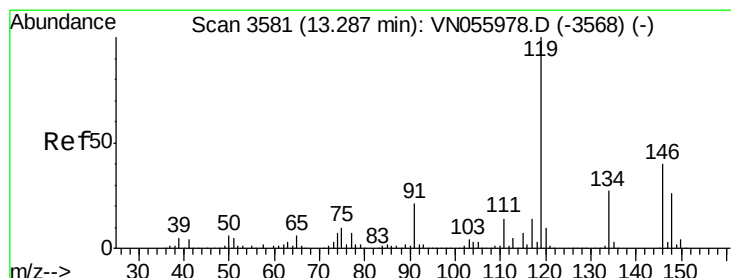
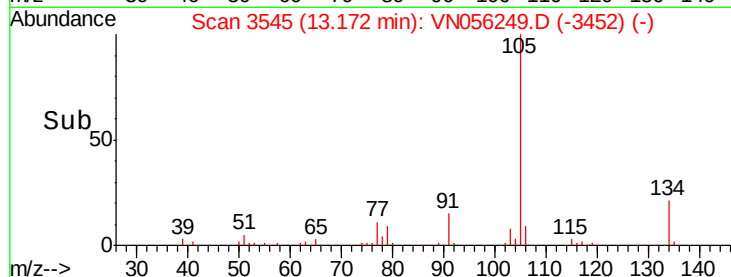
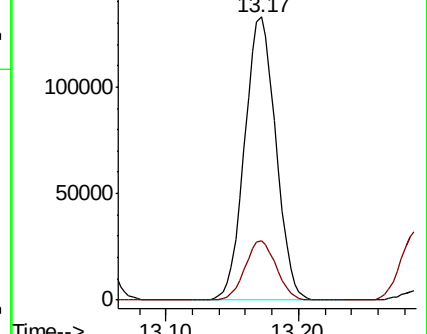
105 100

134 20.8 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.222 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

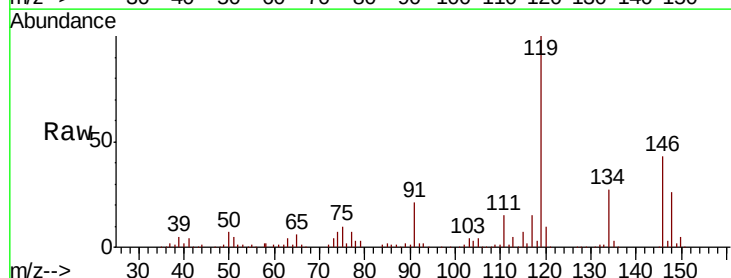
Tgt Ion:119 Resp: 189071

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

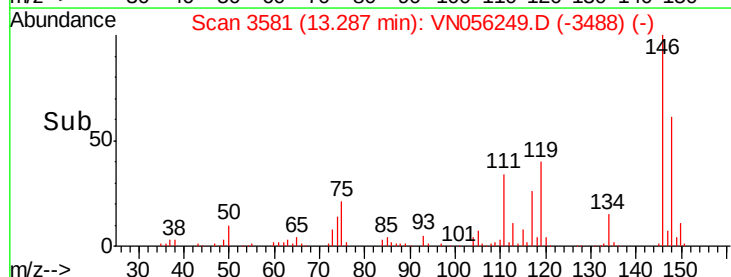
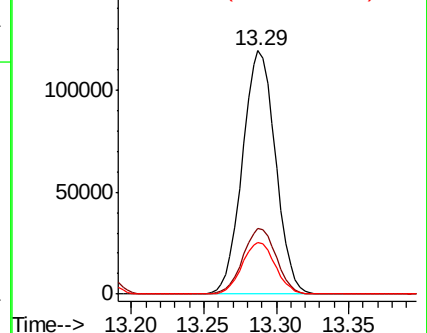
91 21.4 10.9 32.9

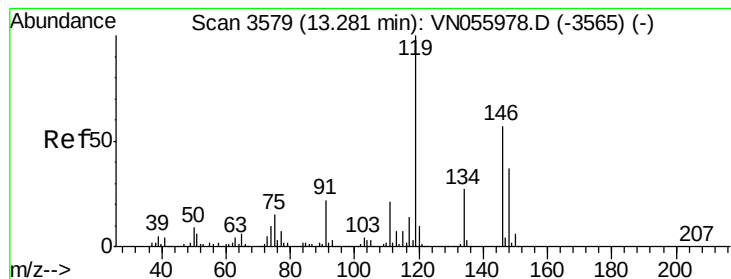


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.726 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS02

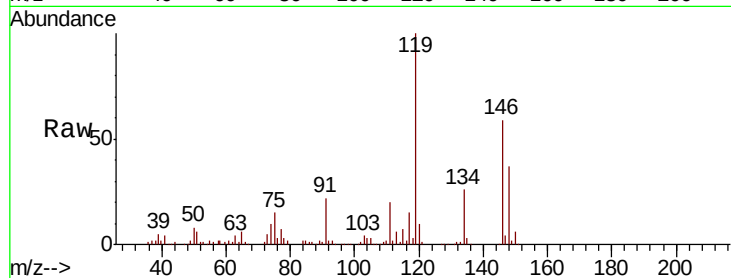
Tot Ion:146 Resp: 95768

Ion Ratio Lower Upper

146 100

111 35.8 18.5 55.5

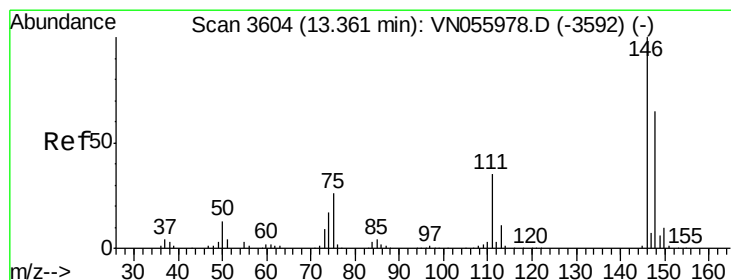
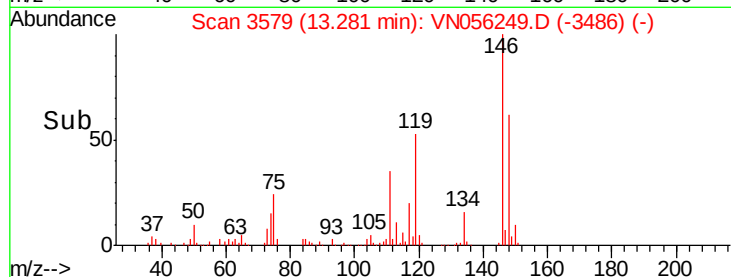
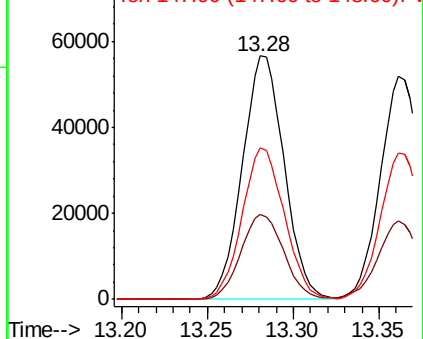
148 62.8 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.589 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

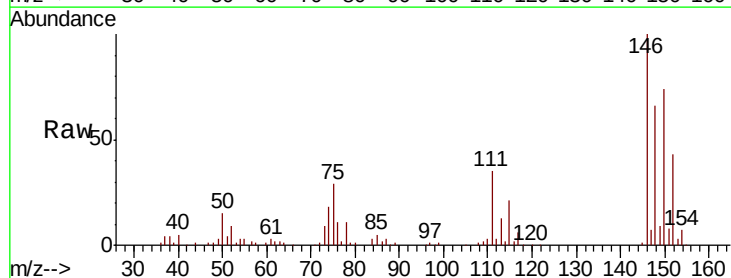
Tgt Ion:146 Resp: 87071

Ion Ratio Lower Upper

146 100

111 36.7 18.1 54.4

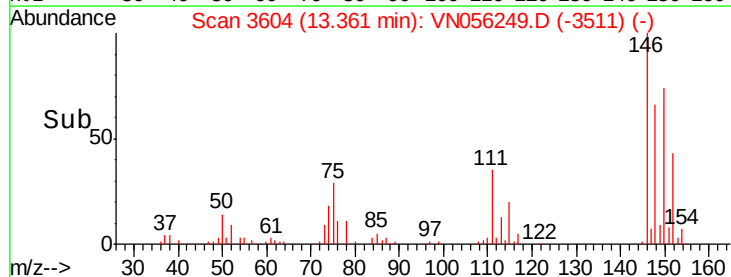
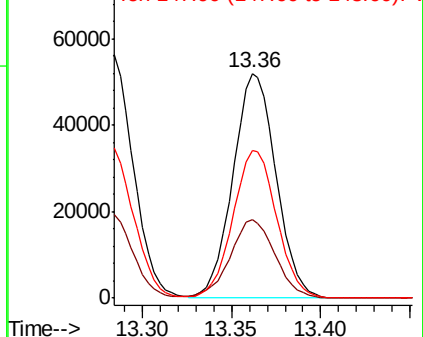
148 67.1 32.1 96.5

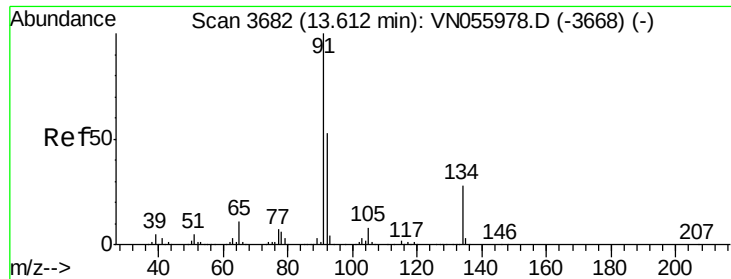


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

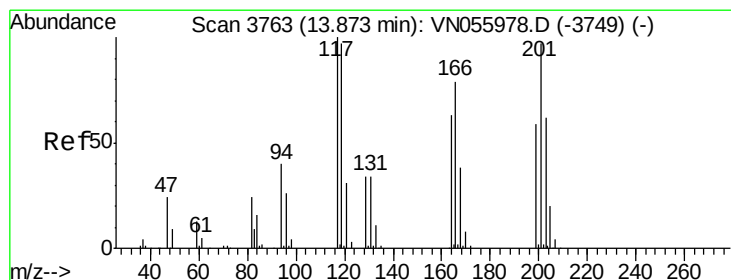
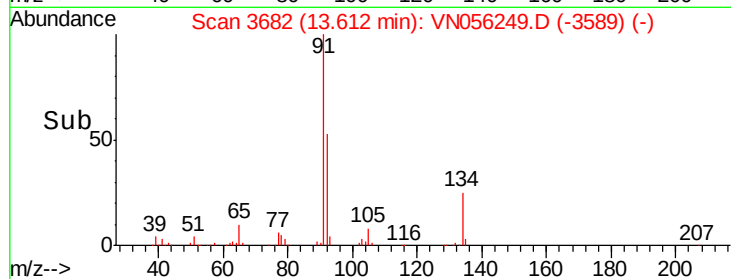
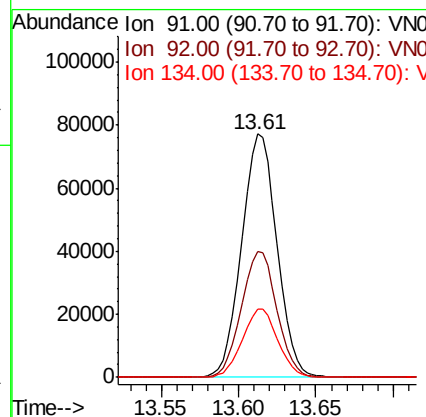
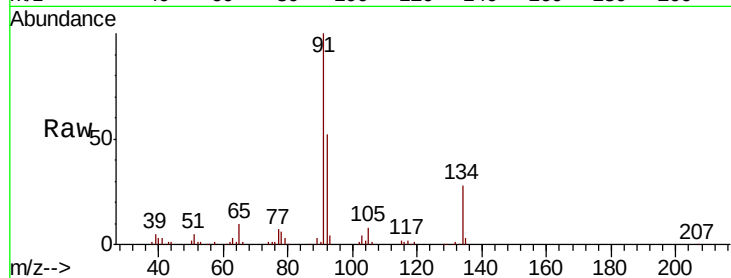




#89
n-Butylbenzene
Concen: 17.657 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

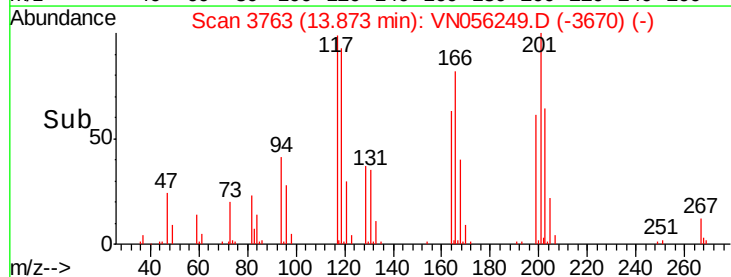
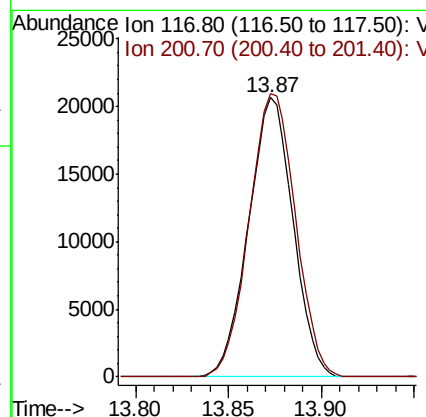
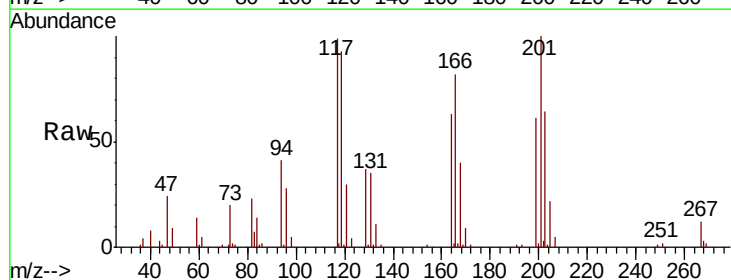
Instrument :
MSVOA_N
ClientSampled :
VN0612WBS02

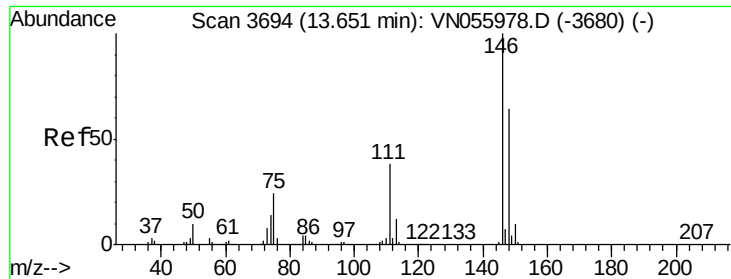
Tot Ion: 91 Resp: 122297
Ion Ratio Lower Upper
91 100
92 51.9 26.4 79.0
134 28.1 13.9 41.7



#90
Hexachloroethane
Concen: 24.408 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion: 117 Resp: 34417
Ion Ratio Lower Upper
117 100
201 105.5 50.0 150.0

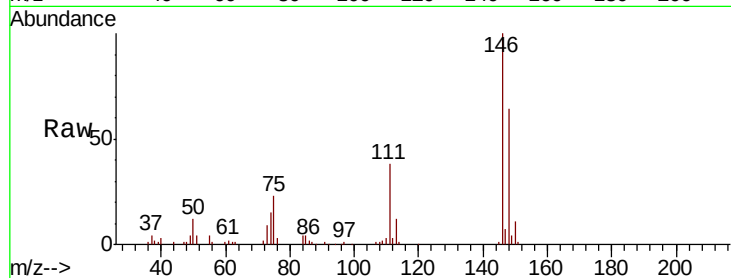




#91
 1,2-Dichlorobenzene
 Concen: 21.050 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.5
148	63.9	31.9	95.9

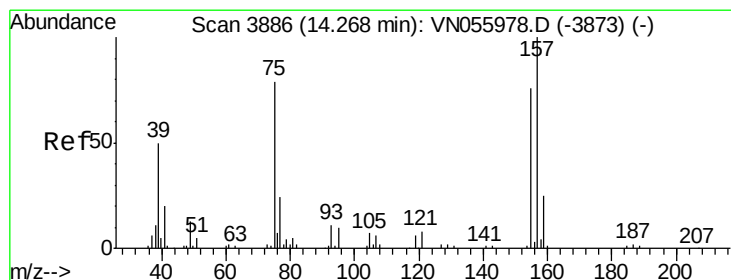
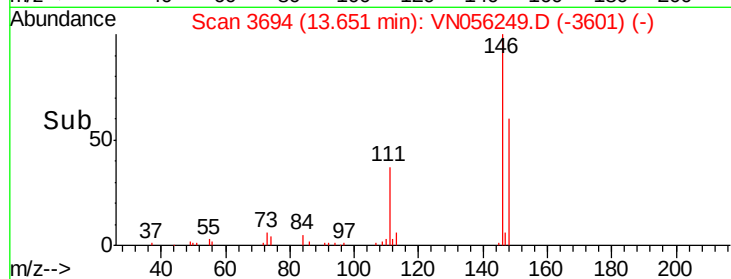
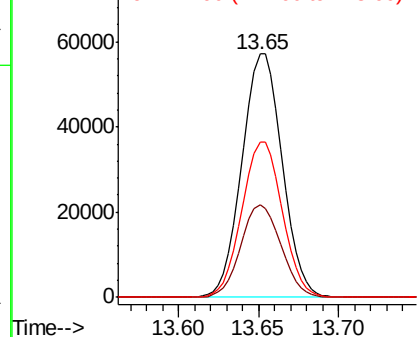


Abundance

Ion 145.90 (145.60 to 146.60): V

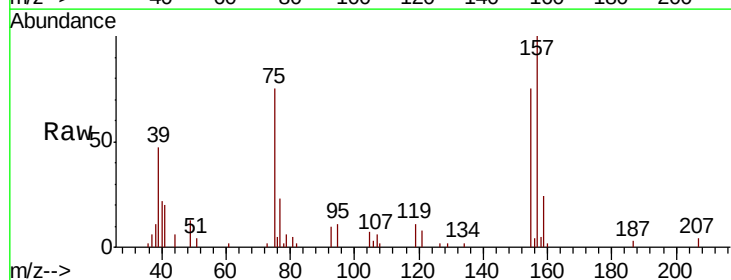
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.103 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.4	50.0	150.1
157	141.5	64.8	194.3

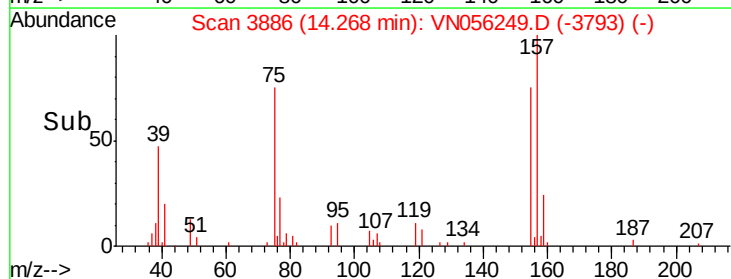
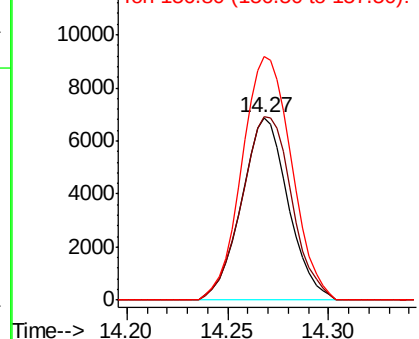


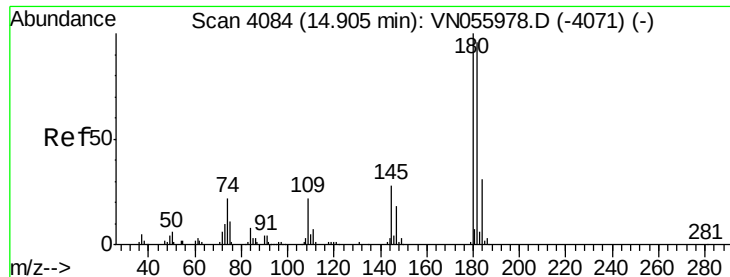
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

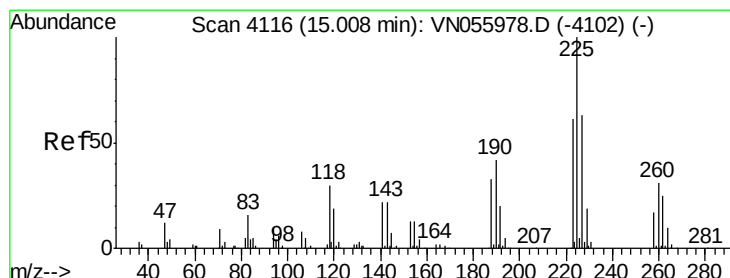
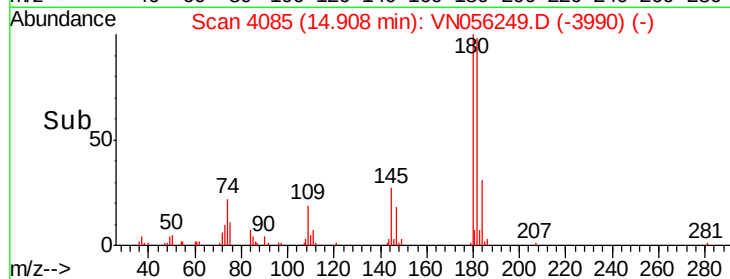
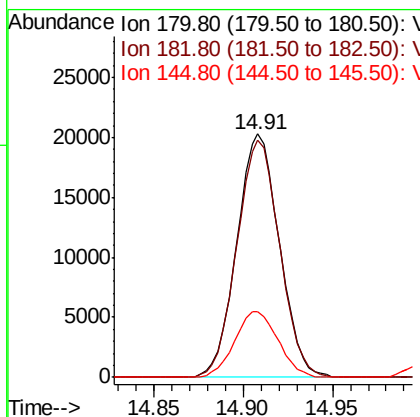
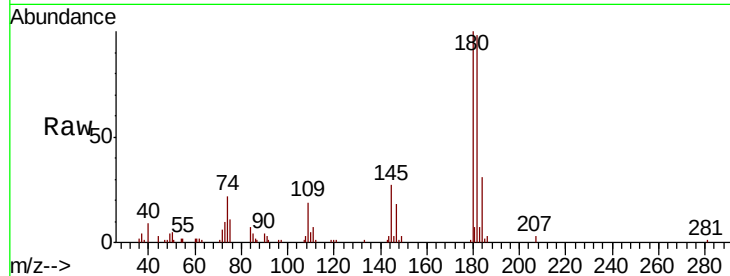




#93
 1,2,4-Trichlorobenzene
 Concen: 16.301 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

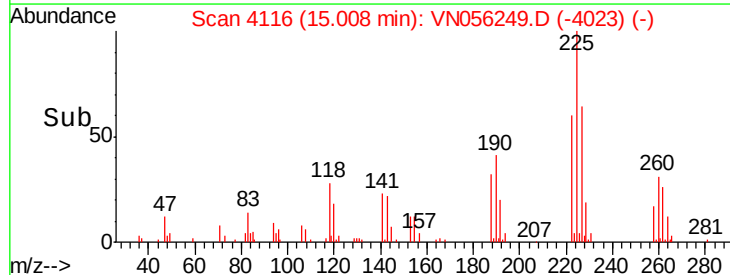
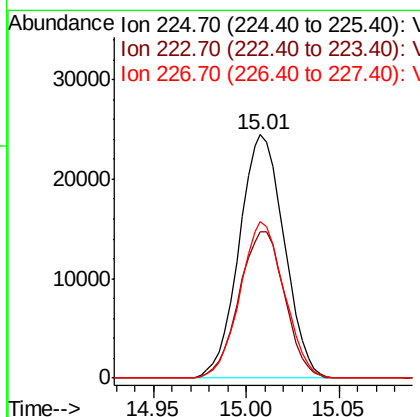
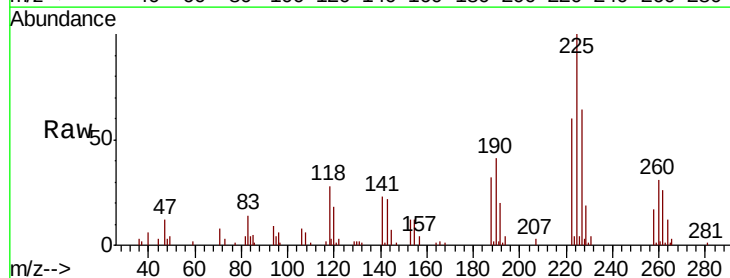
Instrument :
 MSVOA_N
 ClientSampled :
 VN0612WBS02

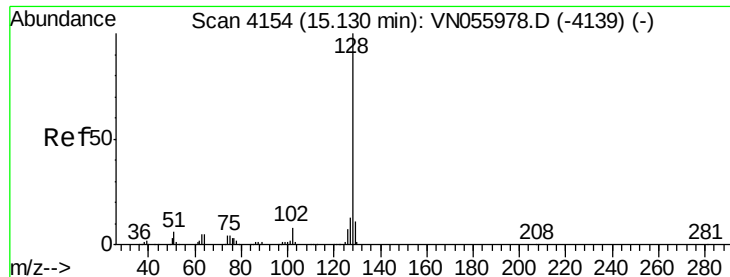
Tot Ion:180 Resp: 33816
 Ion Ratio Lower Upper
 180 100
 182 97.9 48.3 144.9
 145 27.5 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 24.707 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion:225 Resp: 41219
 Ion Ratio Lower Upper
 225 100
 223 60.8 30.9 92.7
 227 62.8 31.6 94.7





#95

Naphthalene

Concen: 16.108 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS02

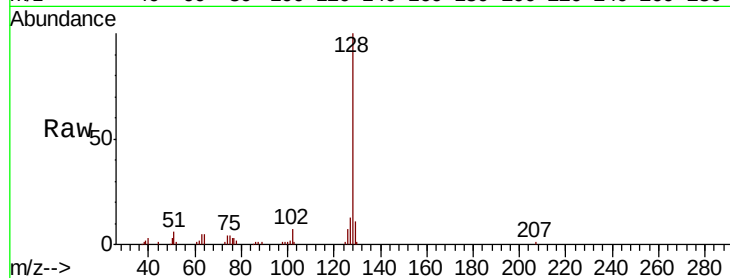
Tot Ion:128 Resp: 88569

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

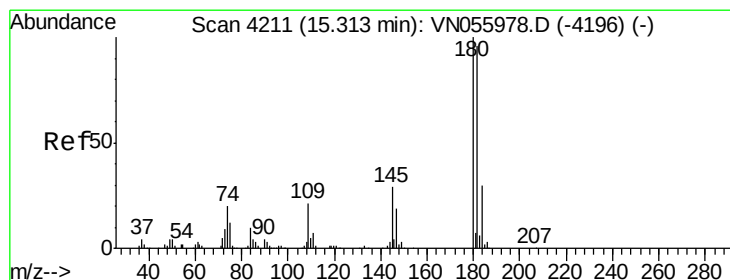
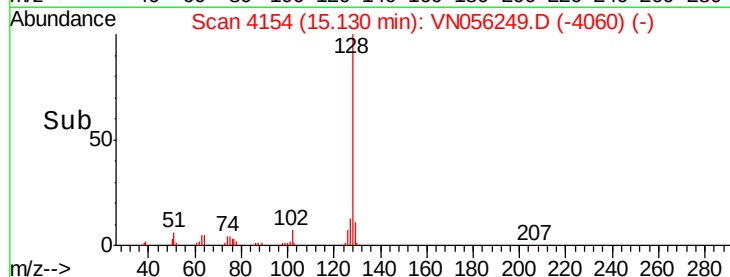
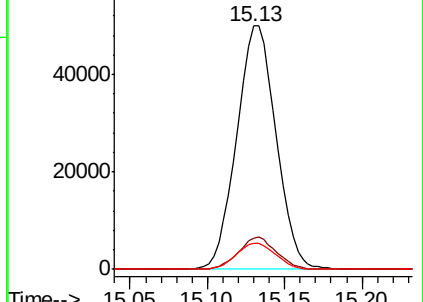
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.945 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

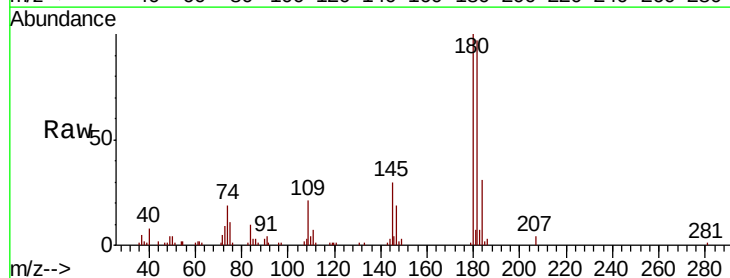
Tgt Ion:180 Resp: 41594

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.7

145 29.4 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

