

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032420\
 Data File : VN060665.D
 Acq On : 24 Mar 2020 12:34
 Operator : JC/MD
 Sample : VN0324WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 03:50:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	191845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	315557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	286158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132997	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	132174	50.19	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.38%		
35) Dibromofluoromethane	7.56	113	95474	50.04	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.08%		
50) Toluene-d8	10.08	98	385586	49.47	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.94%		
62) 4-Bromofluorobenzene	12.40	95	138663	48.55	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.10%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	36213	19.508	ug/l	99
3) Chloromethane	2.04	50	63175	18.222	ug/l	98
4) Vinyl Chloride	2.16	62	49266	18.168	ug/l	99
5) Bromomethane	2.54	94	24644	21.053	ug/l	97
6) Chloroethane	2.68	64	29587	18.941	ug/l	94
7) Trichlorofluoromethane	3.00	101	64650	19.354	ug/l	99
8) Diethyl Ether	3.38	74	27902	20.793	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	39122	20.212	ug/l	100
10) Methyl Iodide	3.93	142	34478	20.018	ug/l	99
11) Tert butyl alcohol	4.72	59	41779	107.867	ug/l	99
12) 1,1-Dichloroethene	3.71	96	39049	18.800	ug/l	100
13) Acrolein	3.57	56	48632	113.292	ug/l	99
14) Allyl chloride	4.29	41	71401	19.545	ug/l	98
15) Acrylonitrile	4.94	53	115747	101.626	ug/l	99
16) Acetone	3.78	43	104573	112.098	ug/l	100
17) Carbon Disulfide	4.03	76	118351	18.735	ug/l	100
18) Methyl Acetate	4.28	43	54269	20.668	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	140935	19.735	ug/l	94
20) Methylene Chloride	4.52	84	45602	19.872	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	42815	19.341	ug/l	99
22) Diisopropyl ether	5.91	45	158019	20.474	ug/l	98
23) Vinyl Acetate	5.85	43	649422	103.128	ug/l	99
24) 1,1-Dichloroethane	5.81	63	83581	19.865	ug/l	99
25) 2-Butanone	6.79	43	156208	103.480	ug/l	99
26) 2,2-Dichloropropane	6.79	77	70491	21.294	ug/l	99
27) cis-1,2-Dichloroethene	6.79	96	49200	19.558	ug/l	98
28) Bromochloromethane	7.16	49	40597	20.167	ug/l	98
29) Tetrahydrofuran	7.17	42	105788	99.046	ug/l	99
30) Chloroform	7.34	83	79632	19.743	ug/l	100
31) Cyclohexane	7.63	56	80644	19.012	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	66545	19.138	ug/l	98
36) 1,1-Dichloropropene	7.77	75	61688	20.189	ug/l	99
37) Ethyl Acetate	6.89	43	66437	20.123	ug/l	99
38) Carbon Tetrachloride	7.75	117	53404	19.501	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	72543	19.978	ug/l	98
40) Benzene	8.02	78	186024	20.167	ug/l	99
41) Methacrylonitrile	7.17	41	95409	67.712	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	66177	20.993	ug/l	99
43) Isopropyl Acetate	8.14	43	110705	20.332	ug/l	100
44) Trichloroethene	8.81	130	47899	20.599	ug/l	97
45) 1,2-Dichloropropane	9.10	63	50532	20.762	ug/l	97
46) Dibromomethane	9.19	93	30480	20.714	ug/l	99
47) Bromodichloromethane	9.38	83	61635	20.157	ug/l	98
48) Methyl methacrylate	9.18	41	47896	19.757	ug/l	99
49) 1,4-Dioxane	9.18	88	14255	494.704	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	320625	103.479	ug/l	100
52) Toluene	10.14	92	112718	20.234	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	73317	20.874	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	79251	20.568	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	43953	20.509	ug/l	98
56) Ethyl methacrylate	10.42	69	66365	19.860	ug/l	98
57) 1,3-Dichloropropane	10.70	76	76611	20.600	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	173522	104.480	ug/l	100
59) 2-Hexanone	10.74	43	230231	103.152	ug/l	99
60) Dibromochloromethane	10.89	129	44379	20.047	ug/l	100
61) 1,2-Dibromoethane	10.99	107	44502	20.650	ug/l	99
64) Tetrachloroethene	10.62	164	45994	20.425	ug/l	99
65) Chlorobenzene	11.42	112	114709	20.221	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	41473	20.192	ug/l	100
67) Ethyl Benzene	11.50	91	213171	20.207	ug/l	100
68) m/p-Xylenes	11.61	106	156981	40.044	ug/l	99
69) o-Xylene	11.94	106	75071	20.060	ug/l	98
70) Styrene	11.96	104	121445	19.842	ug/l	100
71) Bromoform	12.12	173	31696	19.624	ug/l #	99
73) Isopropylbenzene	12.24	105	200951	20.134	ug/l	100
74) N-amyl acetate	12.06	43	92473	20.050	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	61212	20.280	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	83736	29.178	ug/l #	100
77) Bromobenzene	12.52	156	48267	20.069	ug/l	100
78) n-propylbenzene	12.59	91	235276	19.953	ug/l	100
79) 2-Chlorotoluene	12.67	91	139878	19.853	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	168270	19.867	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	22164	19.835	ug/l	97
82) 4-Chlorotoluene	12.77	91	143541	20.003	ug/l	100
83) tert-Butylbenzene	12.99	119	139282	19.837	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	168926	20.159	ug/l	99
85) sec-Butylbenzene	13.17	105	187592	19.868	ug/l	100
86) p-Isopropyltoluene	13.28	119	169274	19.937	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	86402	20.369	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	86060	20.194	ug/l	98
89) n-Butylbenzene	13.61	91	153428	20.016	ug/l	99
90) Hexachloroethane	13.87	117	23011	18.646	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	82909	20.441	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12460	19.546	ug/l	94

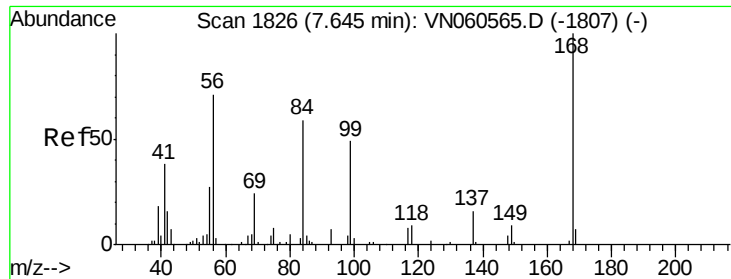
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	50514	20.281	ug/l	99
94) Hexachlorobutadiene	15.01	225	25094	20.552	ug/l	98
95) Naphthalene	15.13	128	153922	20.546	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	50021	20.389	ug/l	100

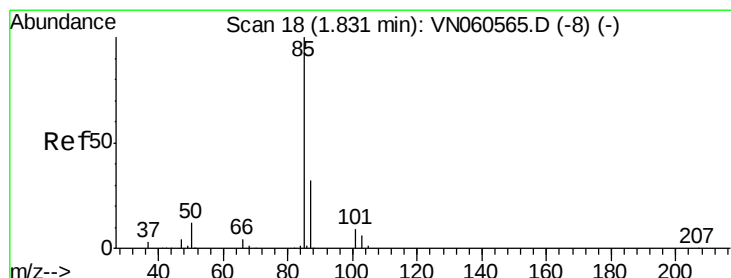
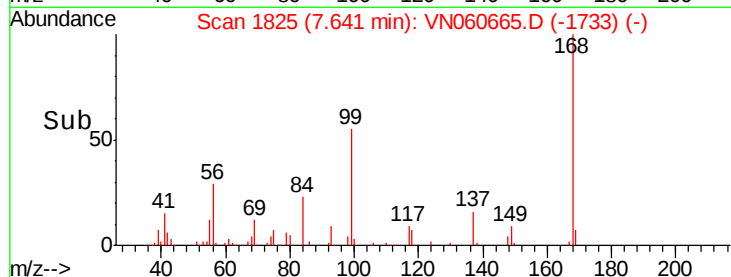
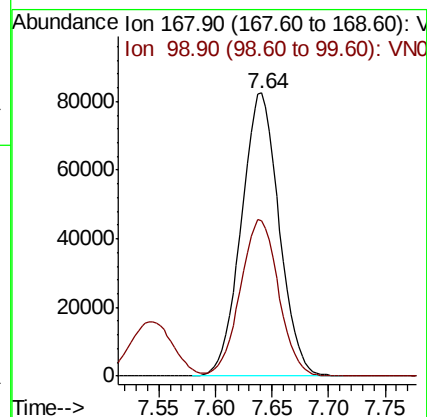
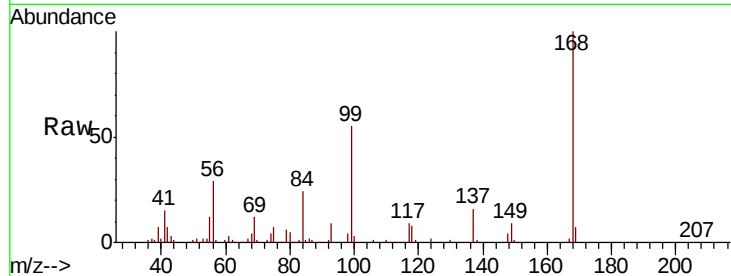
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

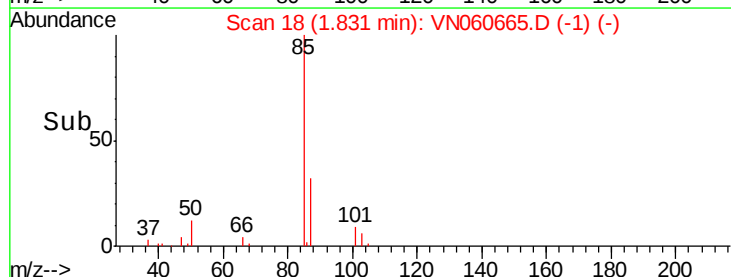
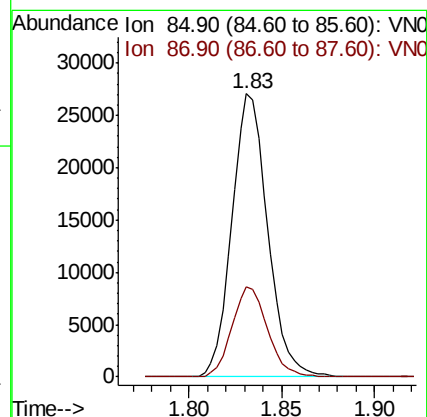
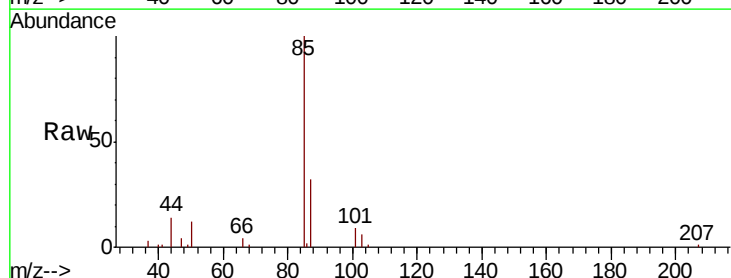
Instrument :
MSVOA_N
ClientSampleId :

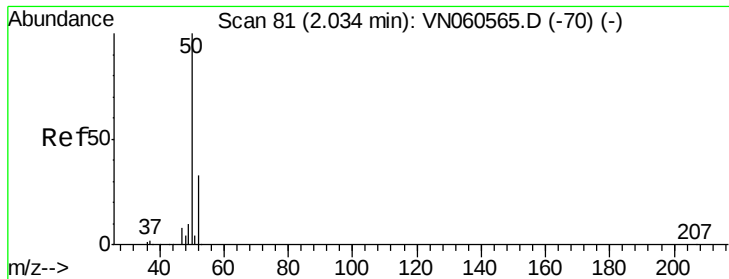
Tot Ion:168 Resp: 191845
Ion Ratio Lower Upper
168 100
99 54.8 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 19.508 ug/l
RT: 1.83 min Scan# 18
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion: 85 Resp: 36213
Ion Ratio Lower Upper
85 100
87 31.7 16.2 48.5





#3

Chloromethane

Concen: 18.222 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

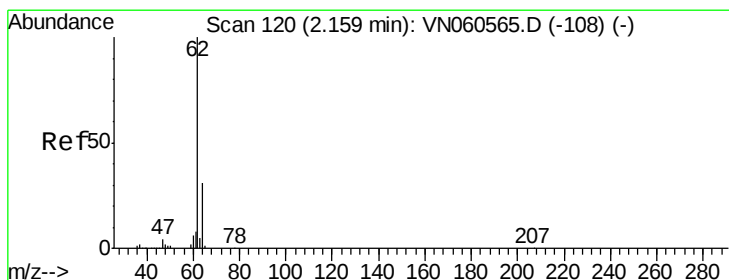
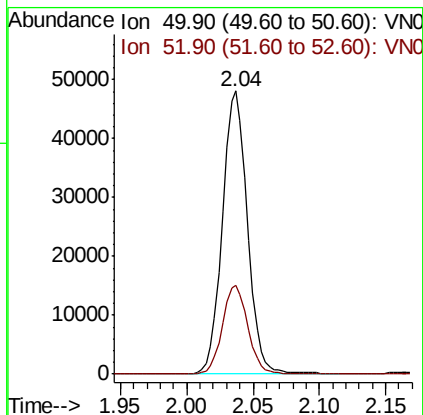
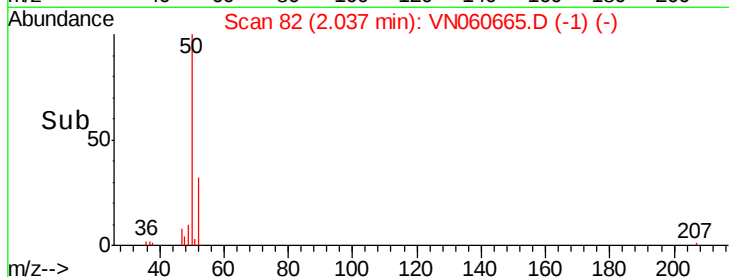
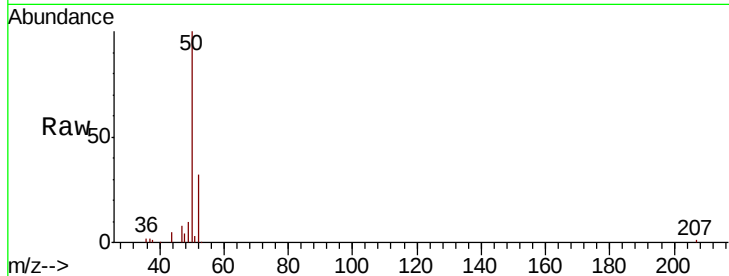
ClientSampled :

Tot Ion: 50 Resp: 63175

Ion Ratio Lower Upper

50 100

52 31.5 26.2 39.2



#4

Vinyl Chloride

Concen: 18.168 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060665.D

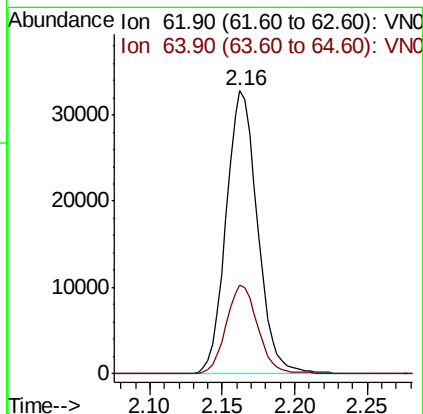
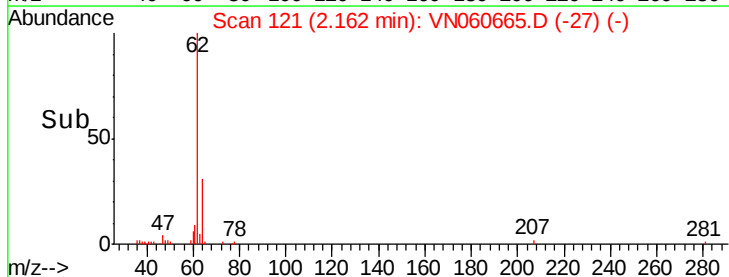
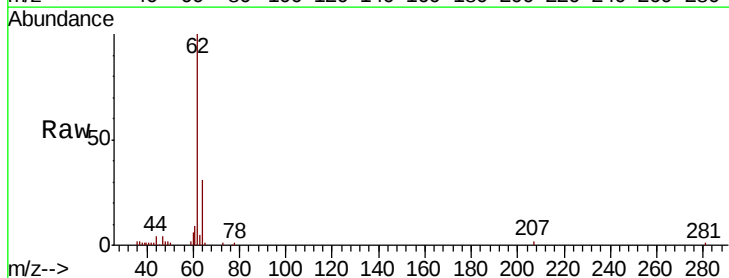
Acq: 24 Mar 2020 12:34

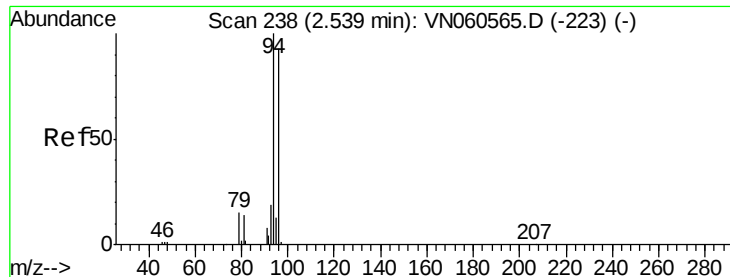
Tgt Ion: 62 Resp: 49266

Ion Ratio Lower Upper

62 100

64 31.4 24.7 37.1





#5

Bromomethane

Concen: 21.053 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

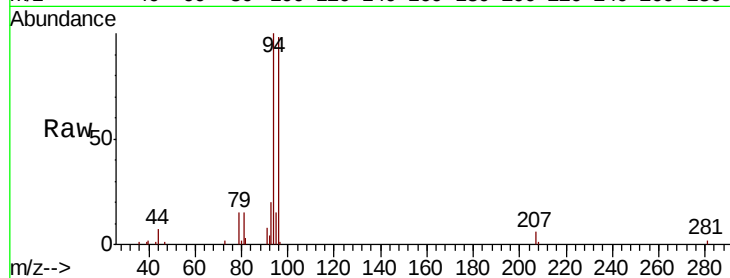
ClientSampled :

Tot Ion: 94 Resp: 24644

Ion Ratio Lower Upper

94 100

96 96.2 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN060665.D (-240) (-)

Ion 95.90 (95.60 to 96.60): VN060665.D (-240) (-)

2.54

15000

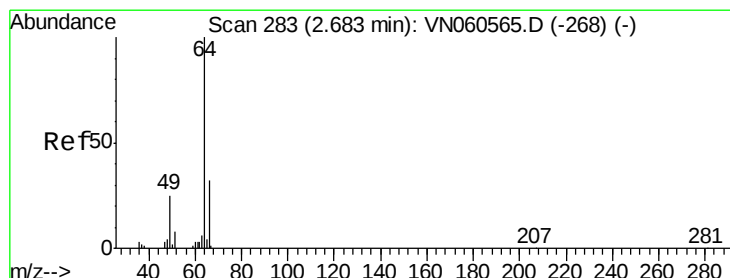
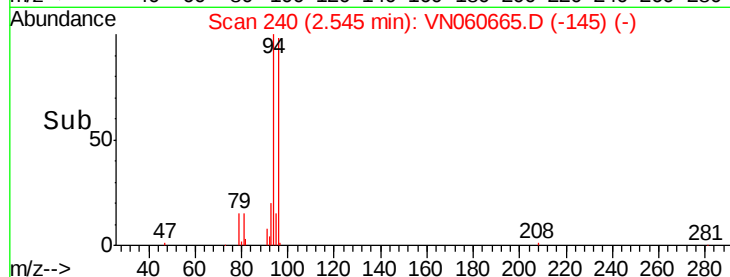
10000

5000

0

Time-->

2.50 2.55 2.60



#6

Chloroethane

Concen: 18.941 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060665.D

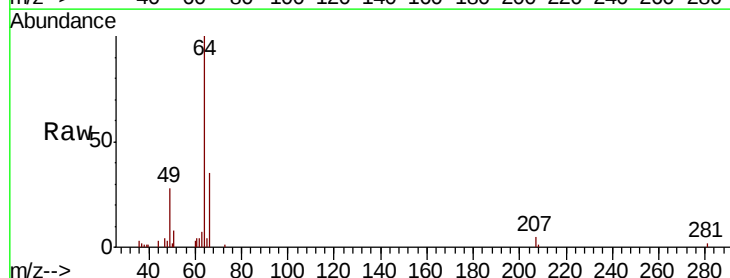
Acq: 24 Mar 2020 12:34

Tgt Ion: 64 Resp: 29587

Ion Ratio Lower Upper

64 100

66 34.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN060665.D (-283) (-)

Ion 65.90 (65.60 to 66.60): VN060665.D (-283) (-)

2.68

15000

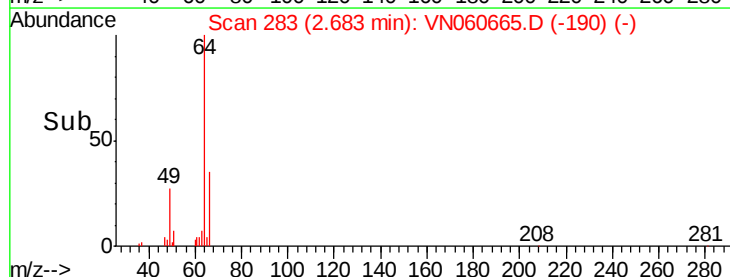
10000

5000

0

Time-->

2.60 2.65 2.70 2.75 2.80



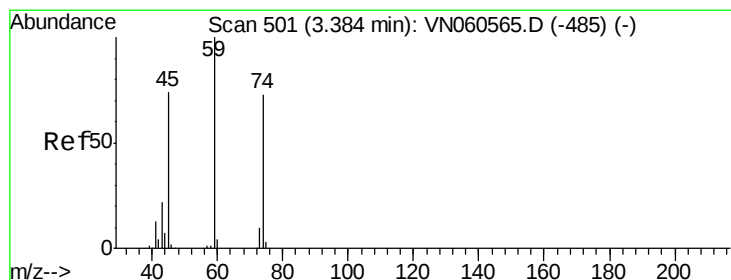
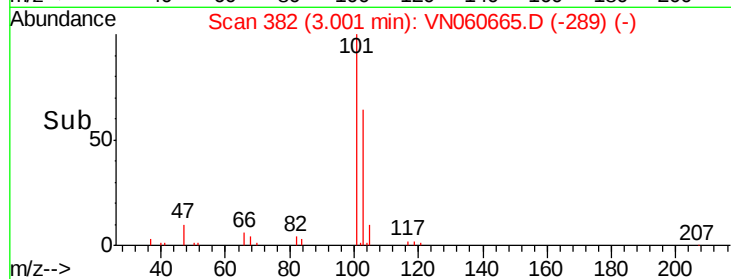
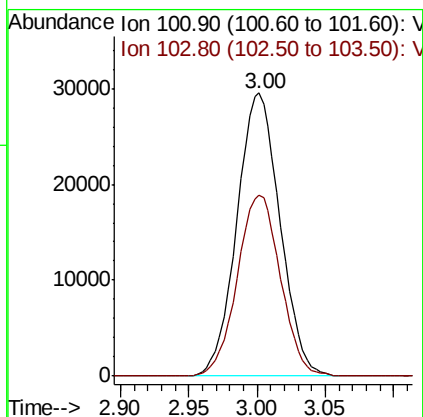
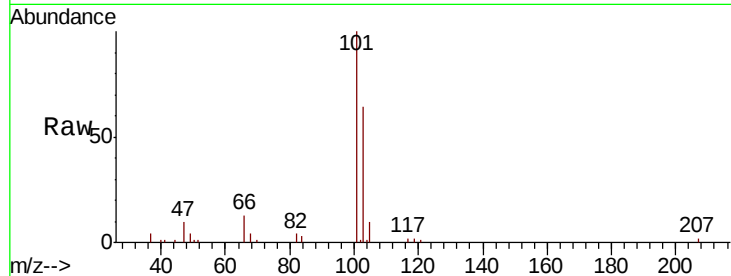


#7

Trichlorofluoromethane
 Concen: 19.354 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060665.D
 Acq: 24 Mar 2020 12:34

Instrument :
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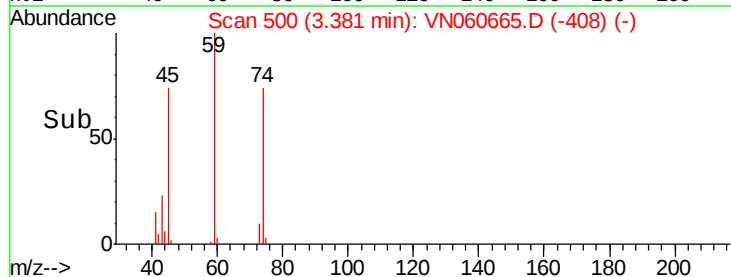
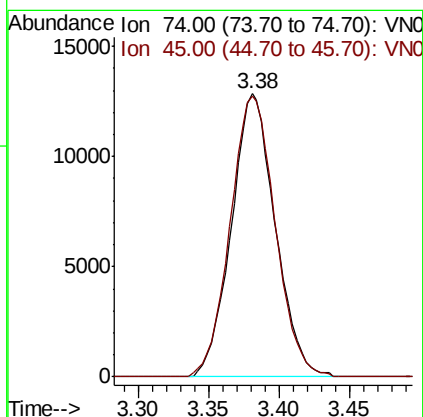
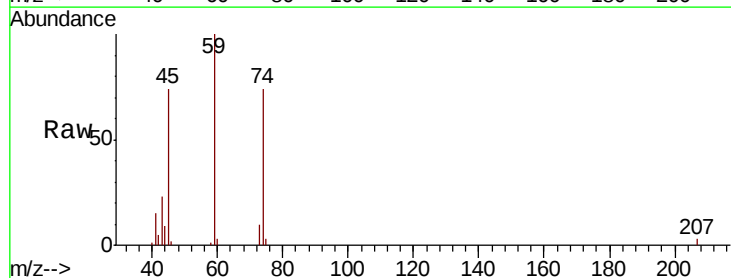
Tot Ion:101 Resp: 64650
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.6 76.0

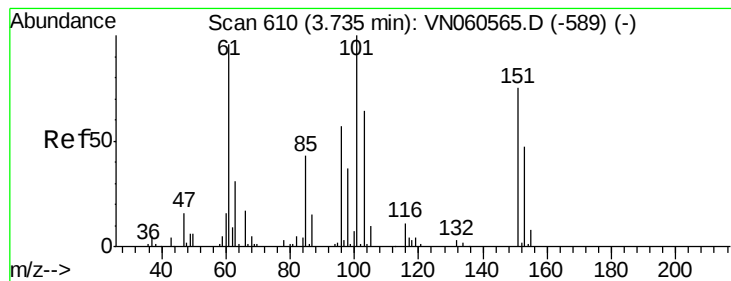


#8

Diethyl Ether
 Concen: 20.793 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060665.D
 Acq: 24 Mar 2020 12:34

Tgt Ion: 74 Resp: 27902
 Ion Ratio Lower Upper
 74 100
 45 101.9 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.212 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

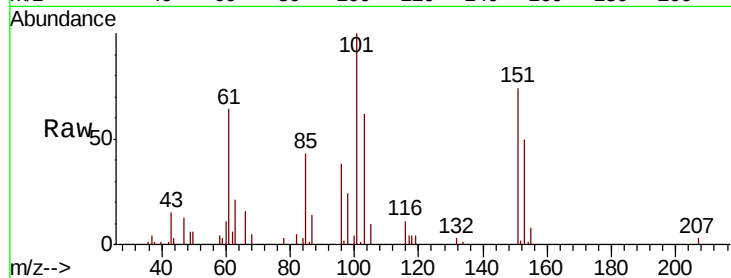
Tot Ion:101 Resp: 39122

Ion Ratio Lower Upper

101 100

85 44.0 35.6 53.4

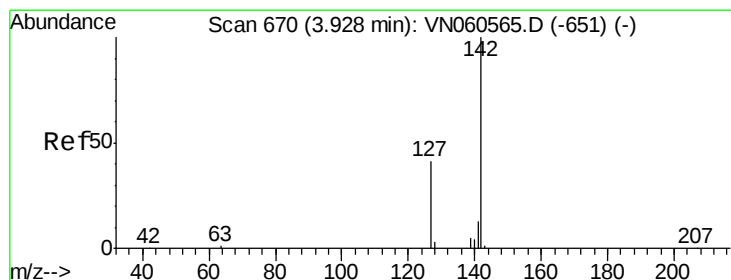
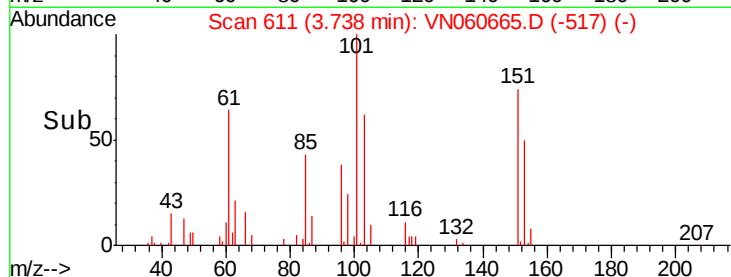
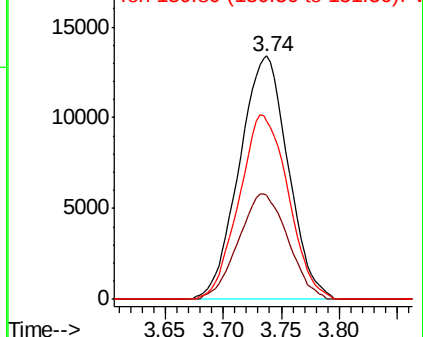
151 76.6 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.018 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

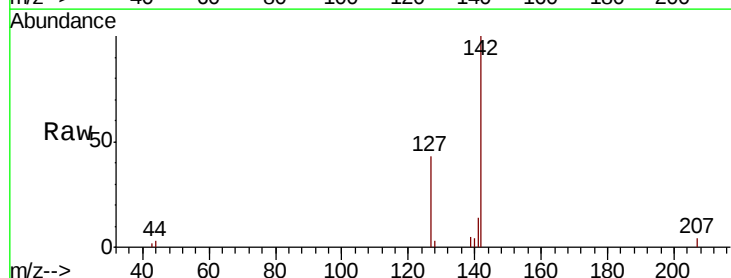
Tgt Ion:142 Resp: 34478

Ion Ratio Lower Upper

142 100

127 41.3 33.5 50.3

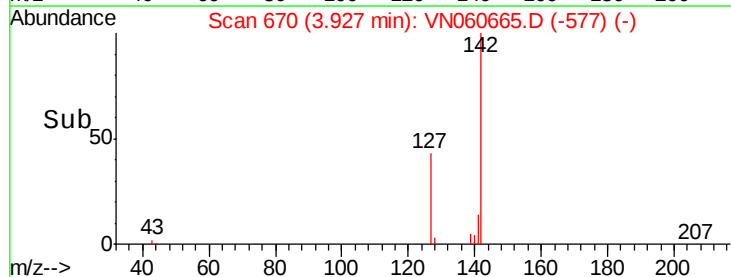
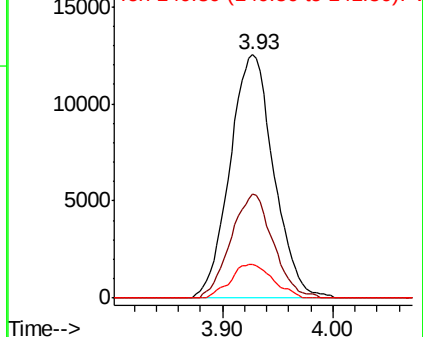
141 13.5 11.0 16.6

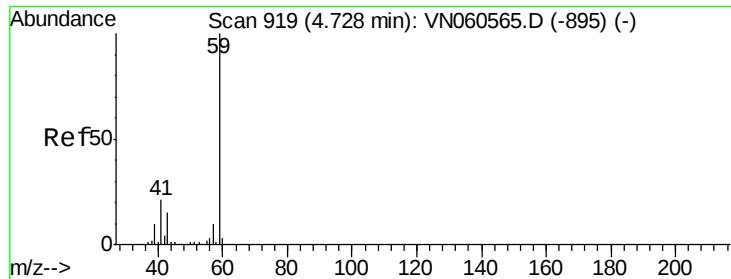


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



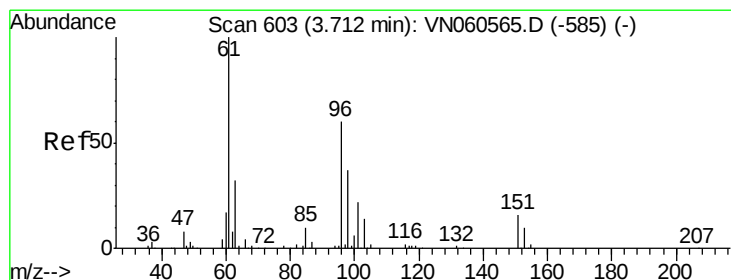
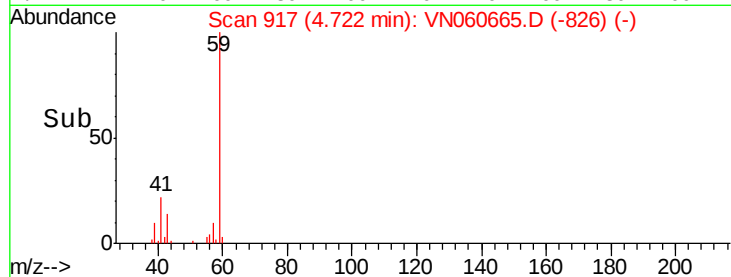
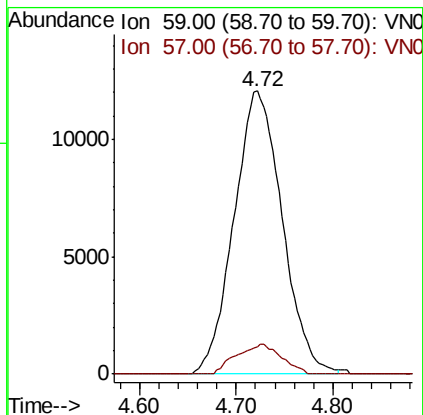
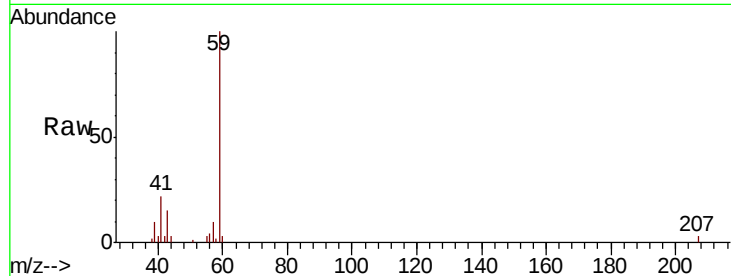


#11

Tert butyl alcohol
Concen: 107.867 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Instrument :
MSVOA_N
ClientSampled :

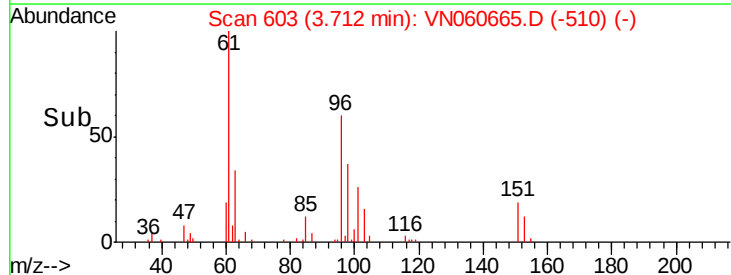
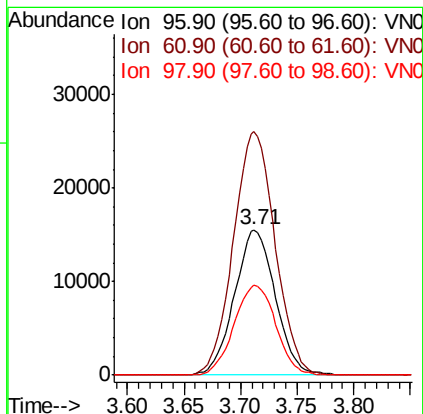
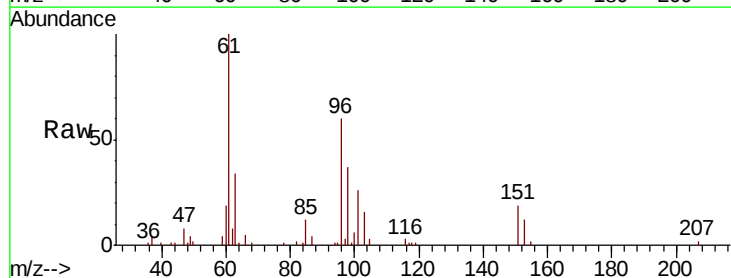
Tot Ion: 59 Resp: 41779
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4

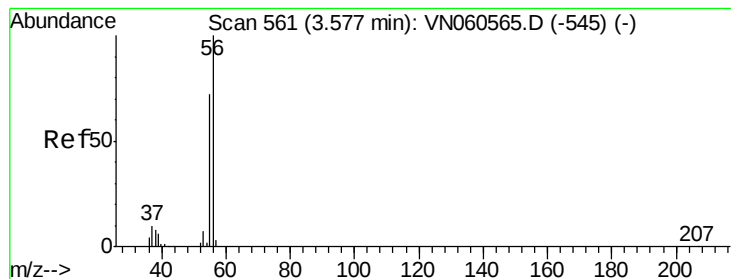


#12

1,1-Dichloroethene
Concen: 18.800 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion: 96 Resp: 39049
Ion Ratio Lower Upper
96 100
61 167.6 134.1 201.1
98 62.1 49.9 74.9





#13

Acrolein

Concen: 113.292 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

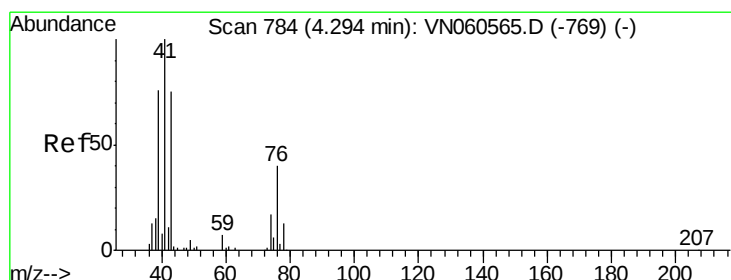
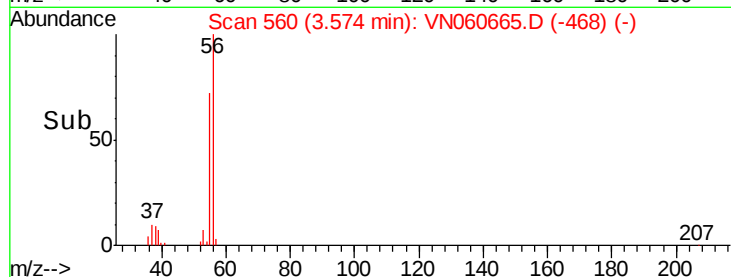
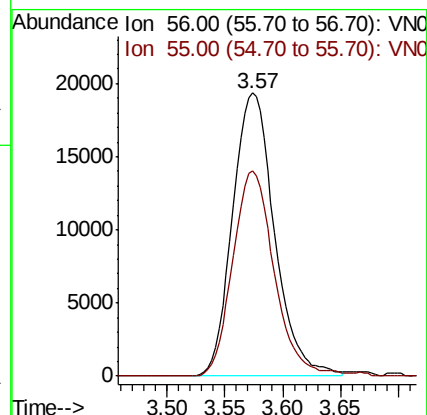
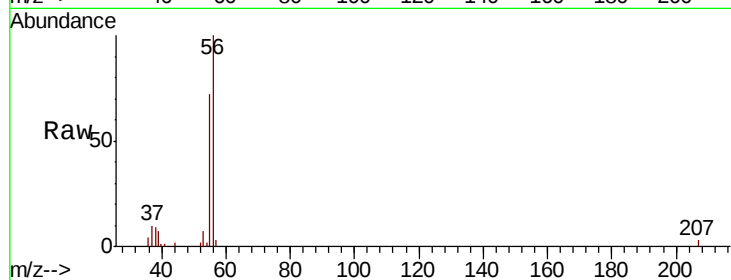
ClientSampled :

Tot Ion: 56 Resp: 48632

Ion Ratio Lower Upper

56 100

55 71.8 56.7 85.1



#14

Allyl chloride

Concen: 19.545 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

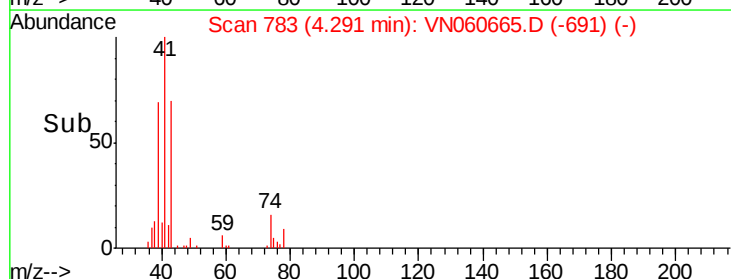
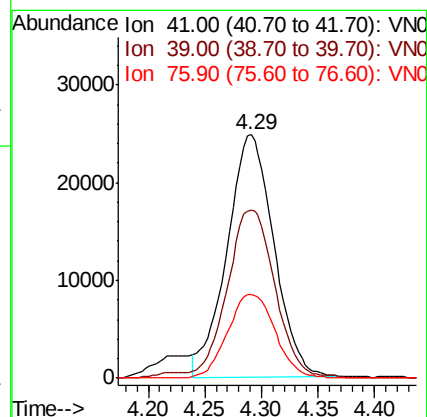
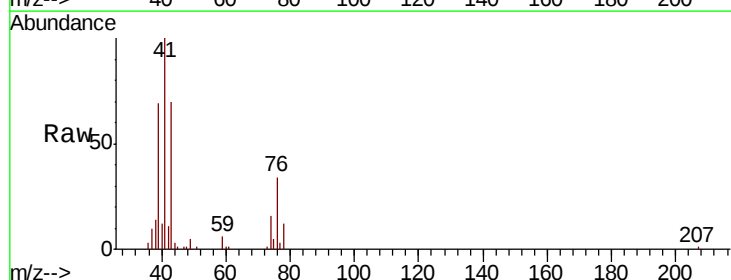
Tgt Ion: 41 Resp: 71401

Ion Ratio Lower Upper

41 100

39 70.9 57.8 86.8

76 35.1 28.6 43.0

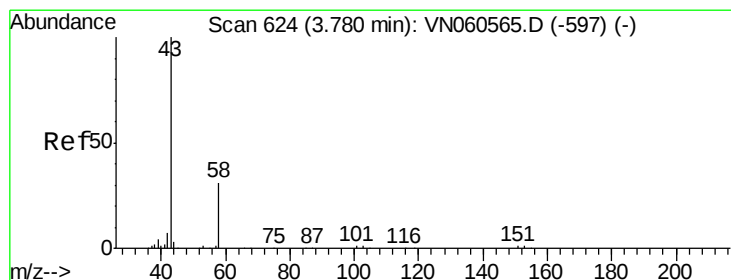
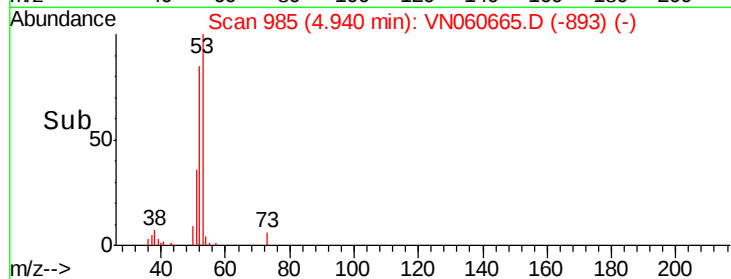
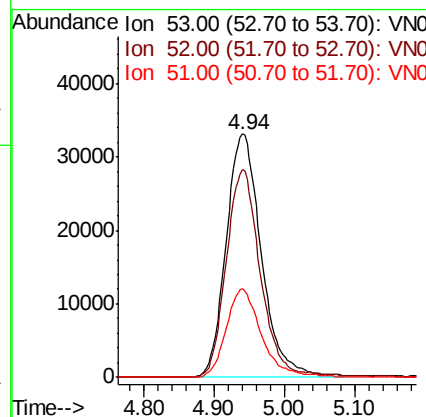
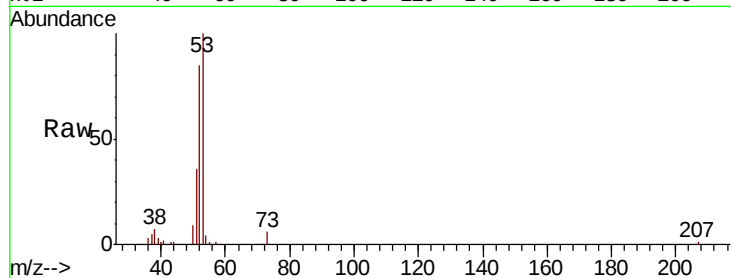




#15
 Acrylonitrile
 Concen: 101.626 ug/l
 RT: 4.94 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: VN060665.D
 Acq: 24 Mar 2020 12:34

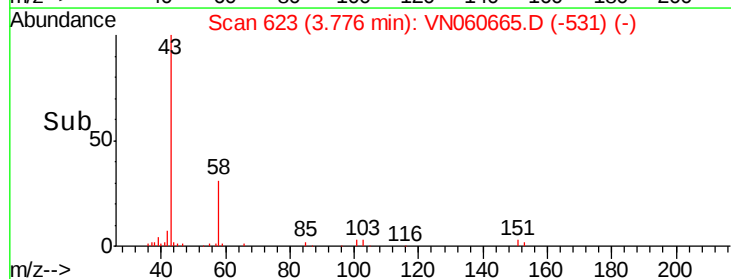
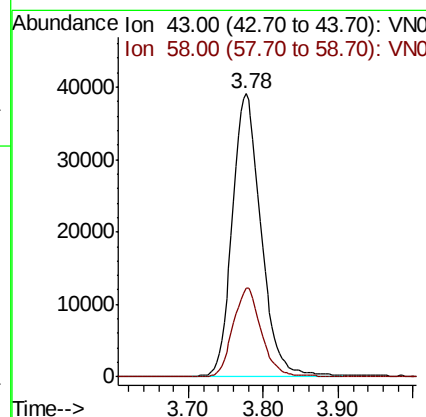
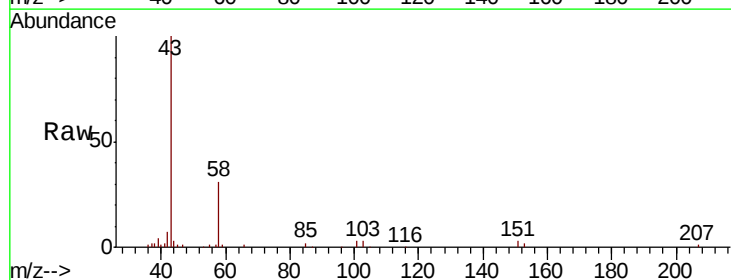
Instrument :
 MSVOA_N
 ClientSampleId :

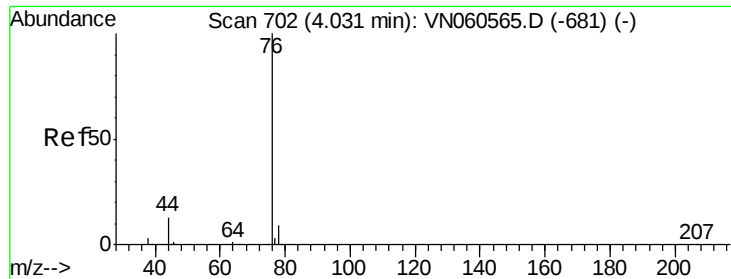
Tot Ion: 53 Resp: 115747
 Ion Ratio Lower Upper
 53 100
 52 81.6 66.2 99.4
 51 35.8 28.7 43.1



#16
 Acetone
 Concen: 112.098 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VN060665.D
 Acq: 24 Mar 2020 12:34

Tgt Ion: 43 Resp: 104573
 Ion Ratio Lower Upper
 43 100
 58 31.2 25.1 37.7

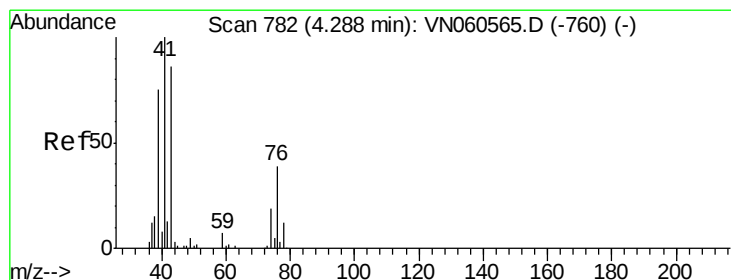
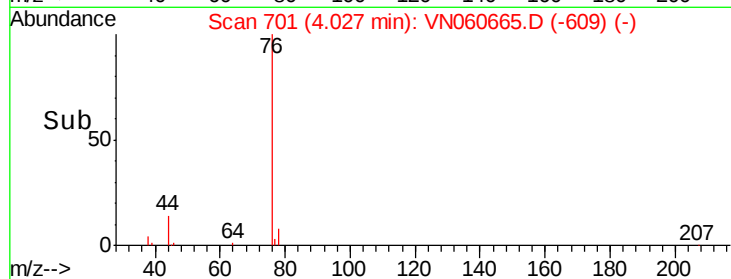
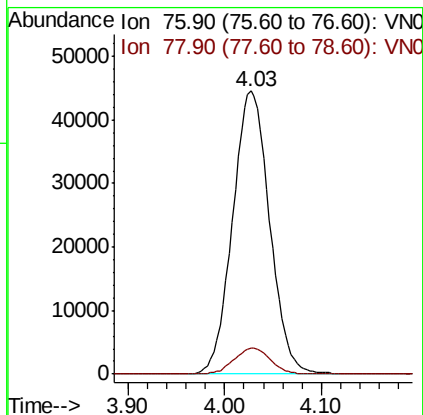
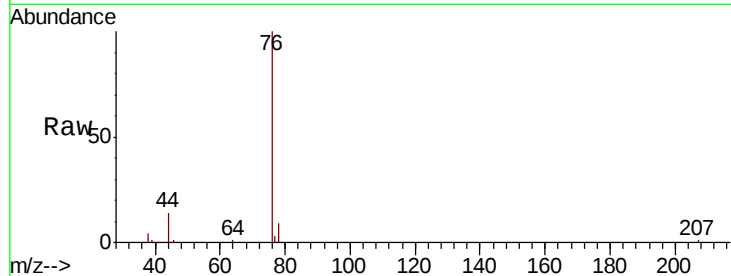




#17
Carbon Disulfide
Concen: 18.735 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

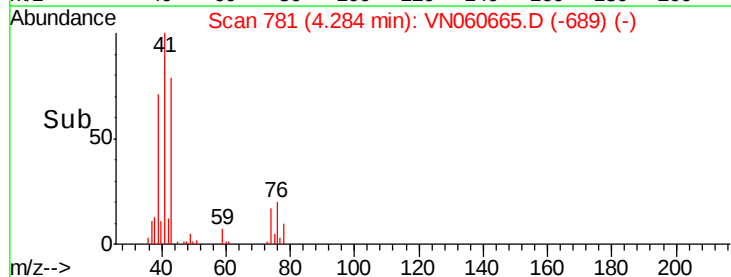
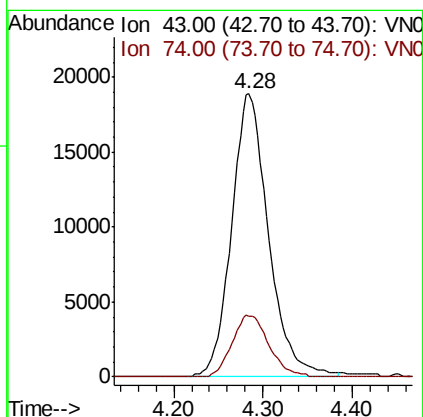
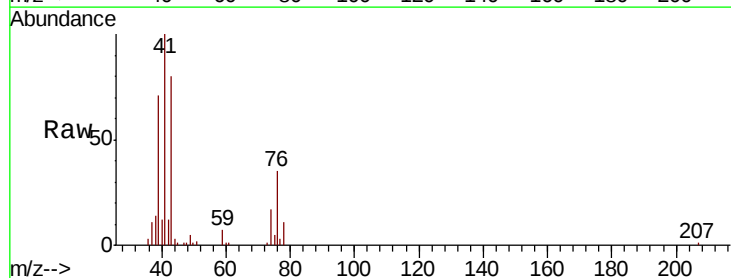
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 118351
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 20.668 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion: 43 Resp: 54269
Ion Ratio Lower Upper
43 100
74 21.6 17.5 26.3

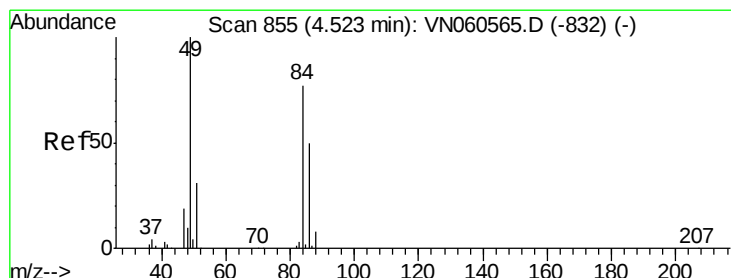
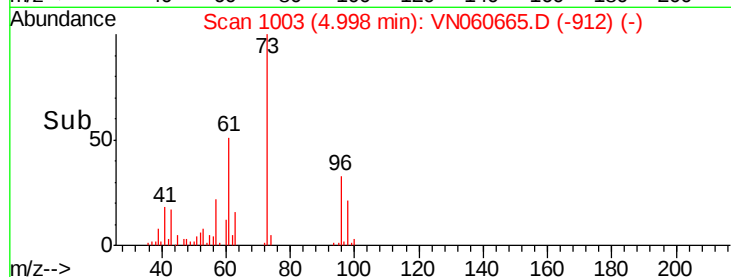
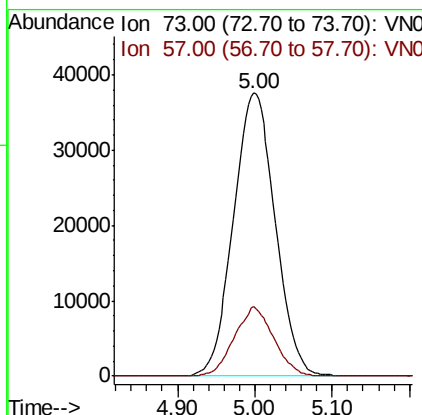
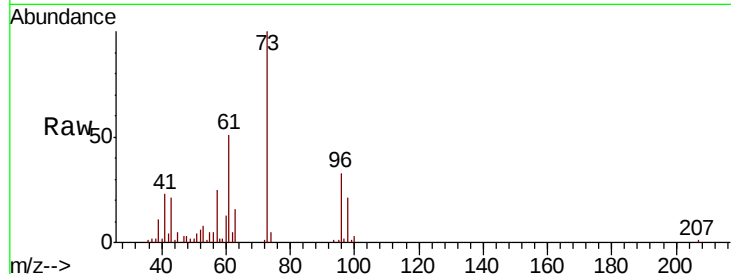




#19
Methyl tert-butyl Ether
Concen: 19.735 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

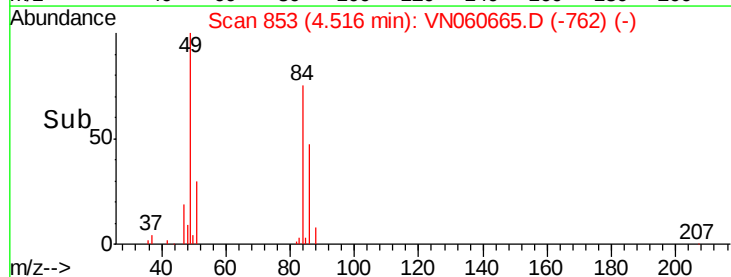
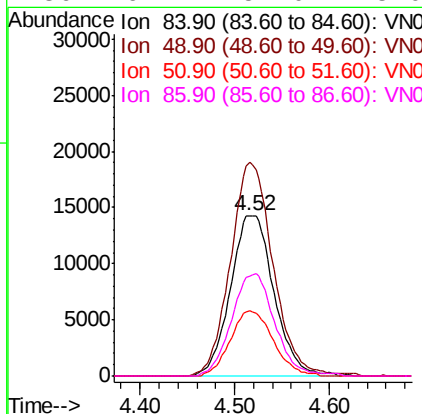
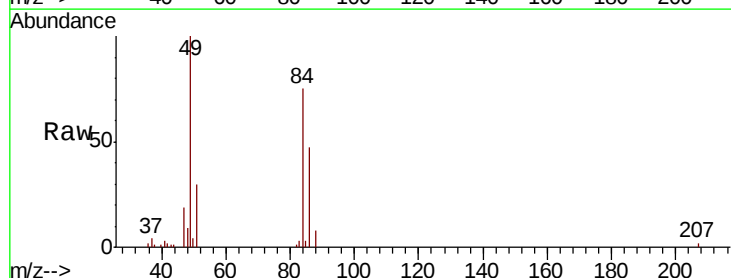
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 140935
Ion Ratio Lower Upper
73 100
57 24.6 17.5 26.3



#20
Methylene Chloride
Concen: 19.872 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion: 84 Resp: 45602
Ion Ratio Lower Upper
84 100
49 133.2 103.3 154.9
51 40.4 31.6 47.4
86 62.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.341 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

ClientSampled :

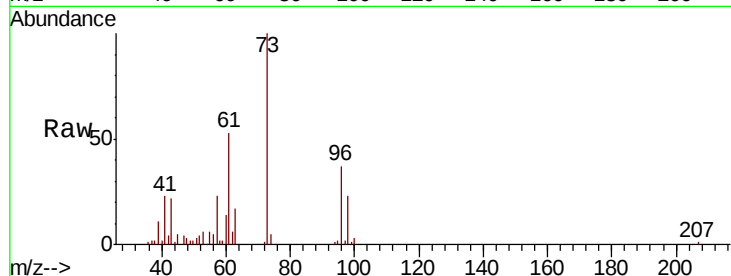
Tot Ion: 96 Resp: 42815

Ion Ratio Lower Upper

96 100

61 143.6 114.4 171.6

98 62.4 48.4 72.6

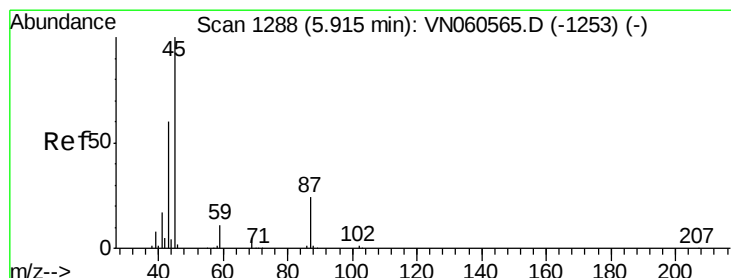
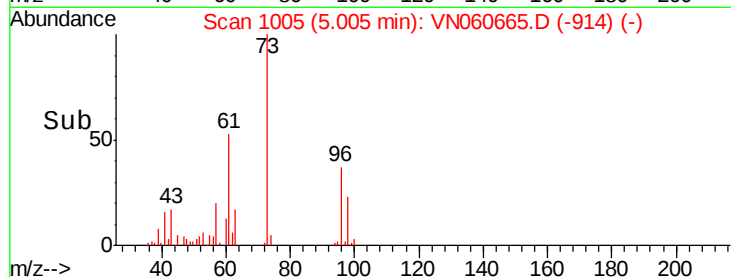
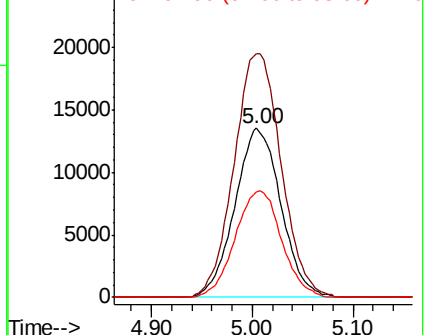


Abundance

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: 20.474 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Tgt Ion: 45 Resp: 158019

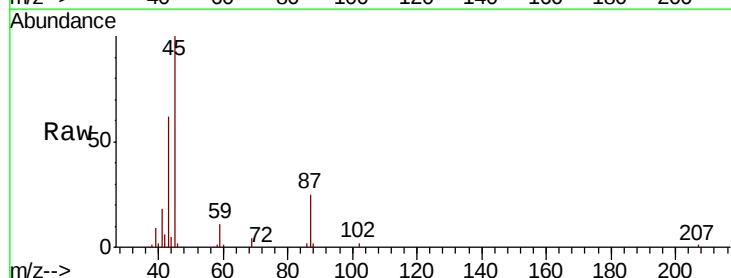
Ion Ratio Lower Upper

45 100

43 60.0 49.8 74.8

87 24.6 20.1 30.1

59 11.2 9.2 13.8



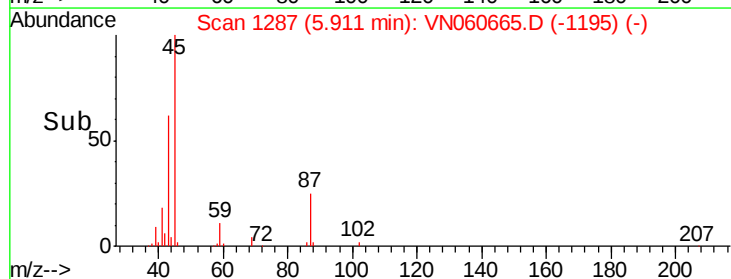
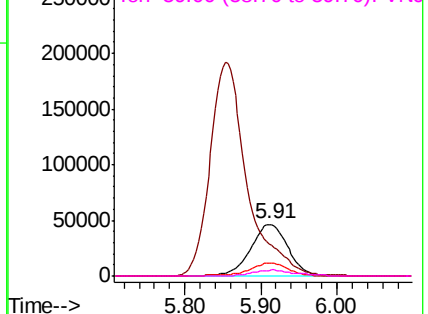
Abundance

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: 103.128 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

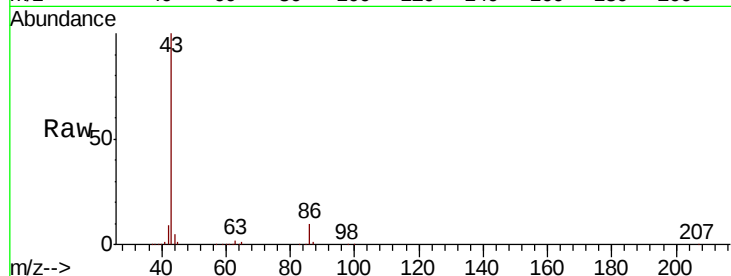
ClientSampled :

Tot Ion: 43 Resp: 649422

Ion Ratio Lower Upper

43 100

86 9.7 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN060565.D (-1246) (-)

5.85

200000

150000

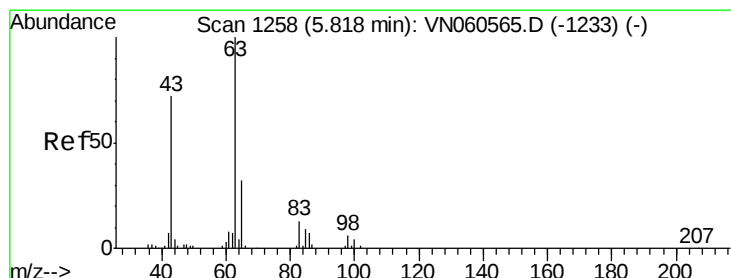
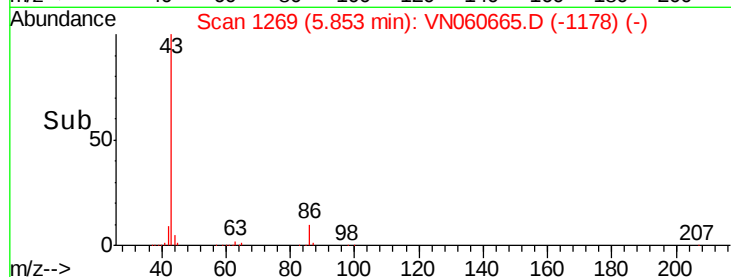
100000

50000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.865 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

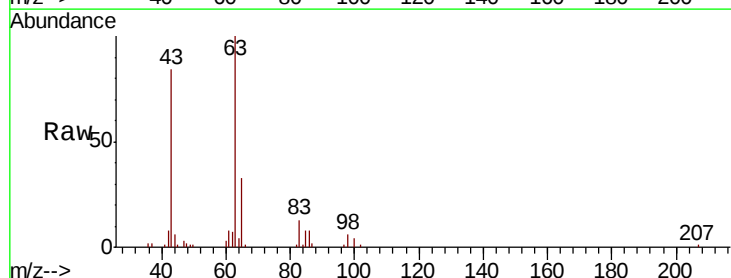
Tgt Ion: 63 Resp: 83581

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 4.2 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060565.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN060565.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN060565.D (-1233) (-)

5.81

30000

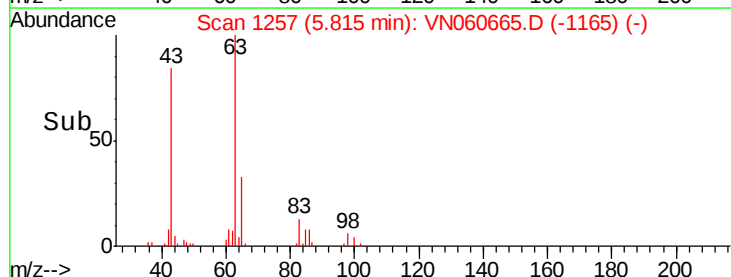
20000

10000

0

Time-->

5.70 5.80 5.90

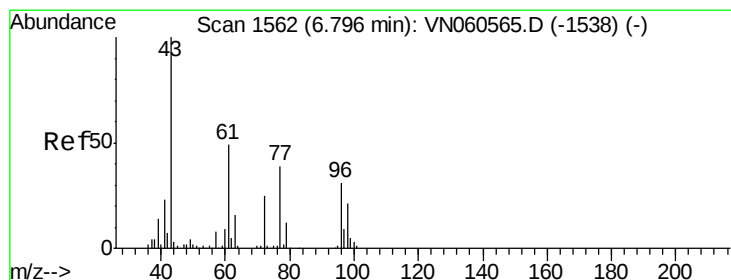
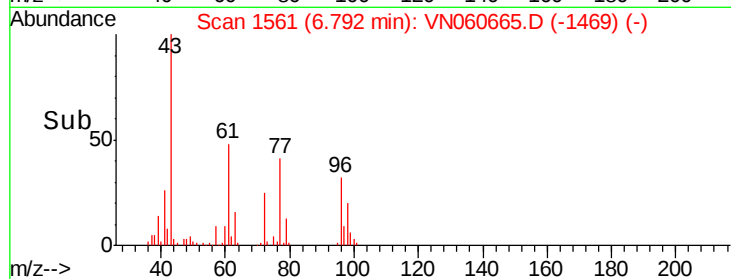
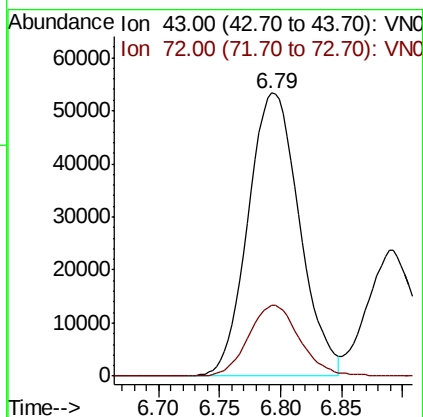
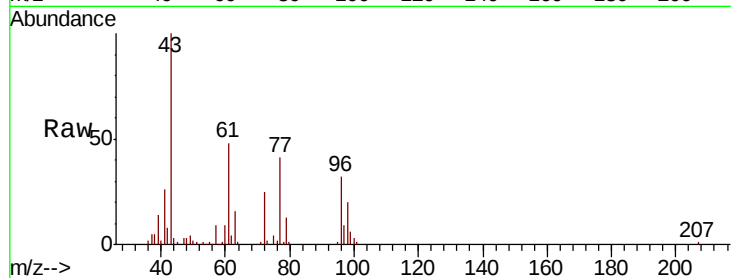




#25
2-Butanone
Concen: 103.480 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

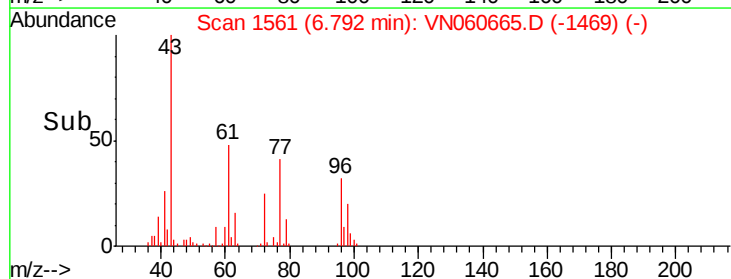
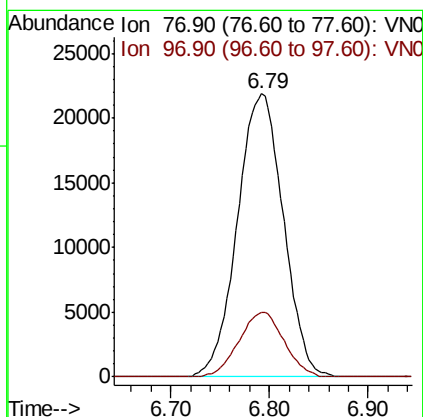
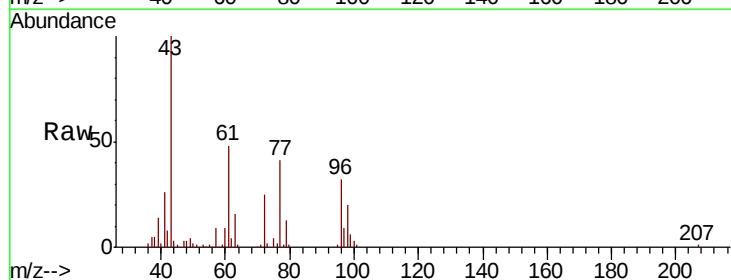
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 156208
Ion Ratio Lower Upper
43 100
72 24.9 20.4 30.6



#26
2,2-Dichloropropane
Concen: 21.294 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion: 77 Resp: 70491
Ion Ratio Lower Upper
77 100
97 22.4 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 19.558 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

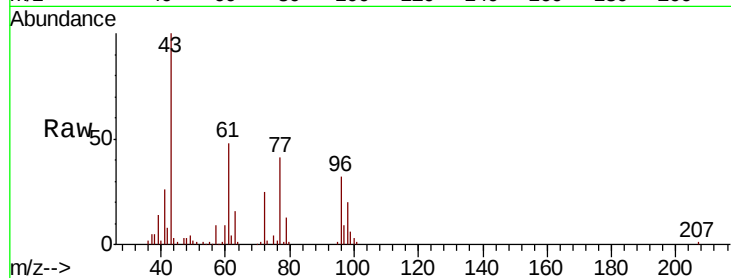
Tot Ion: 96 Resp: 49200

Ion Ratio Lower Upper

96 100

61 156.0 0.0 305.6

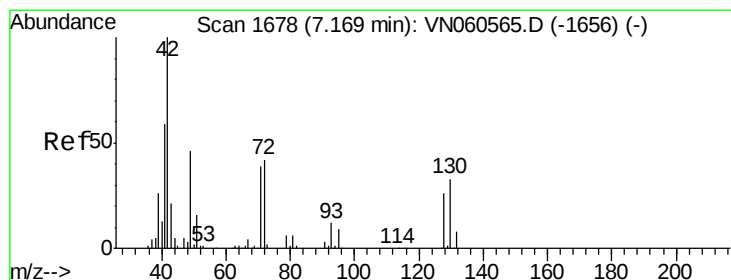
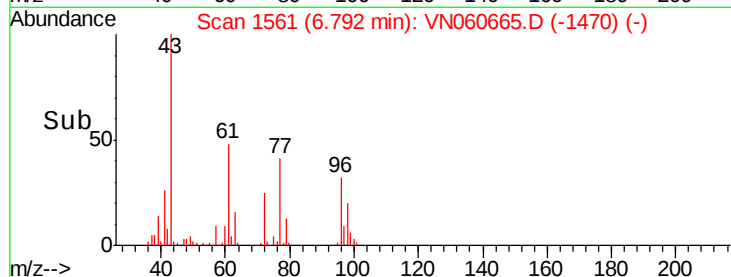
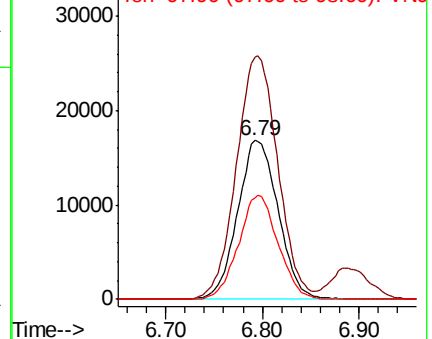
98 63.5 0.0 127.6



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: 20.167 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

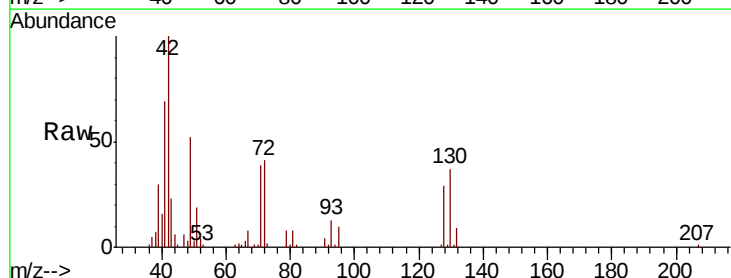
Tgt Ion: 49 Resp: 40597

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.4

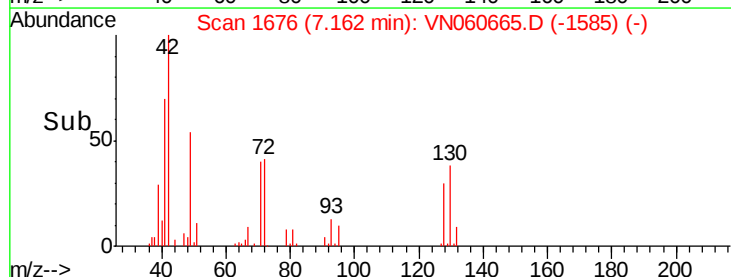
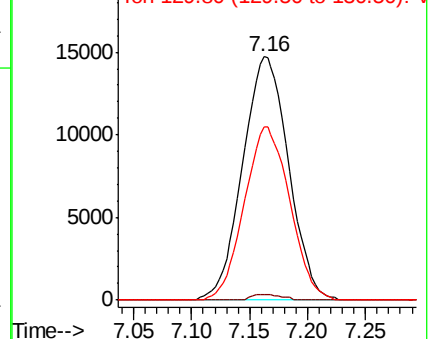
130 70.4 55.0 82.4



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

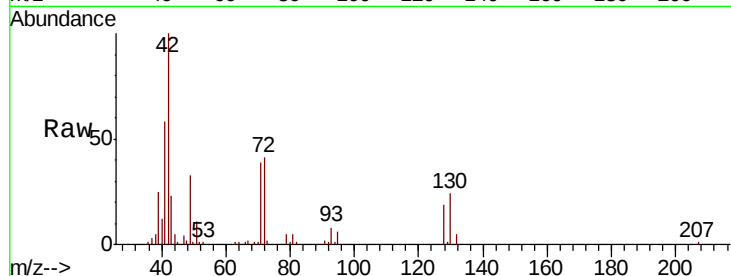




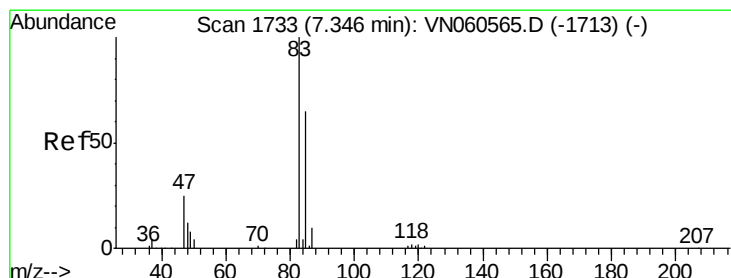
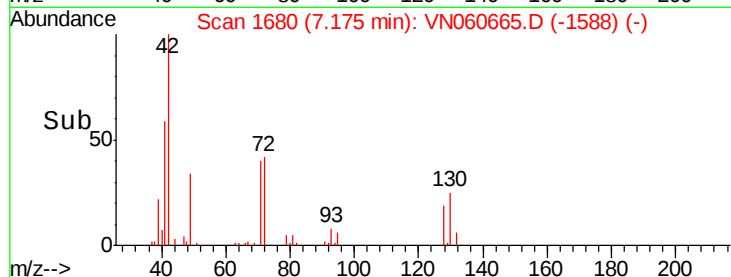
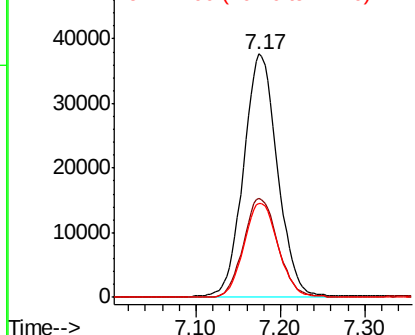
#29
Tetrahydrofuran
Concen: 99.046 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 105788
Ion Ratio Lower Upper
42 100
72 40.8 33.2 49.8
71 38.9 31.1 46.7

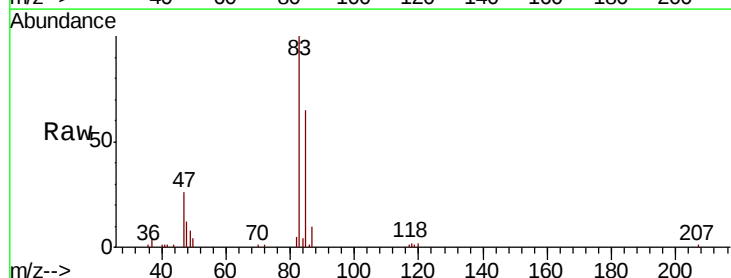


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

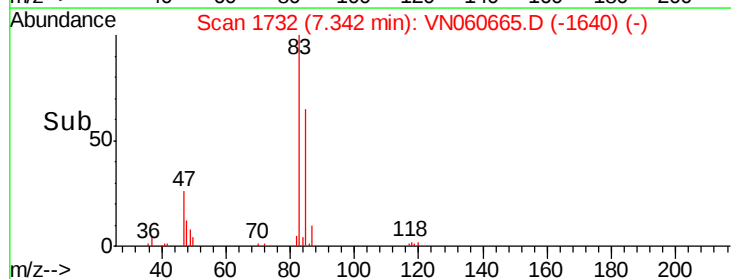
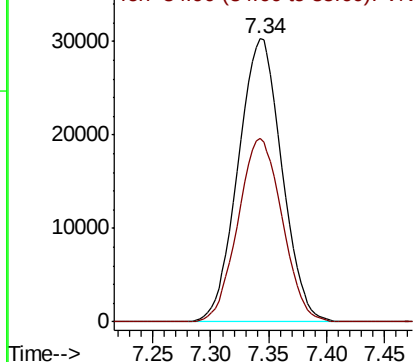


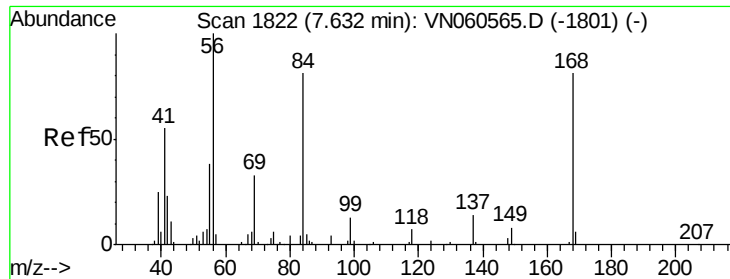
#30
Chloroform
Concen: 19.743 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion: 83 Resp: 79632
Ion Ratio Lower Upper
83 100
85 65.0 51.8 77.8



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

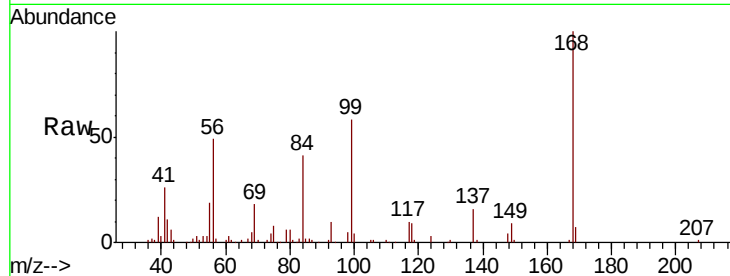




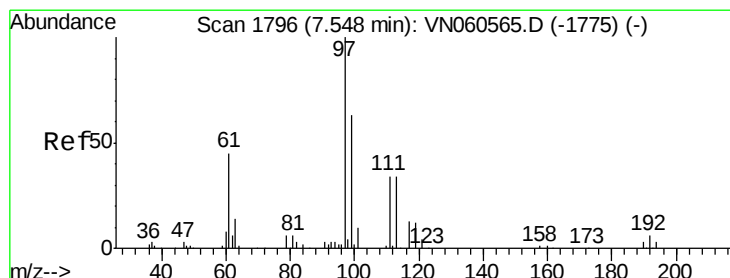
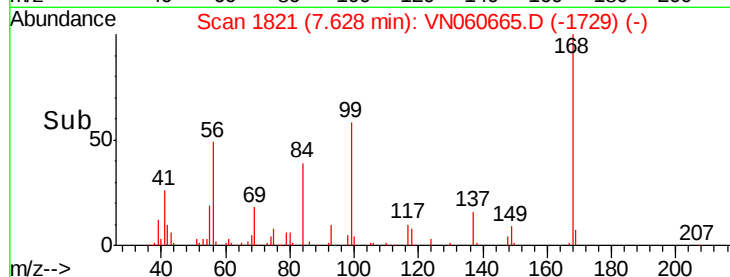
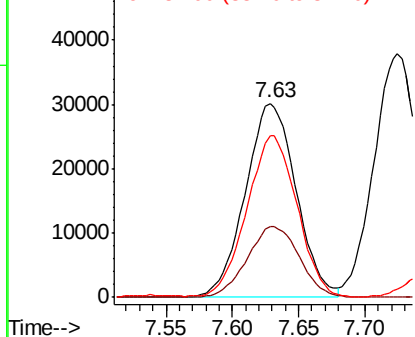
#31
Cyclohexane
Concen: 19.012 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 80644
Ion Ratio Lower Upper
56 100
69 36.5 26.6 40.0
84 83.0 64.3 96.5

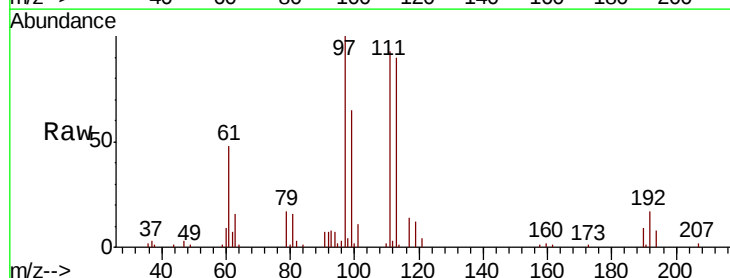


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

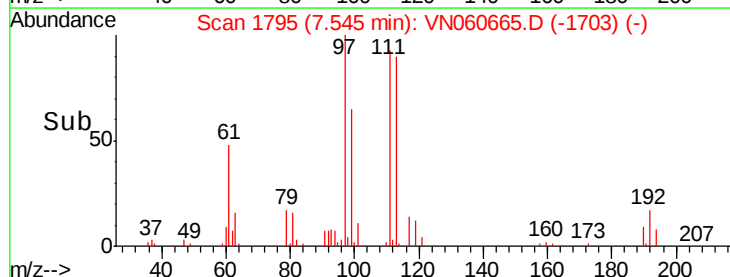
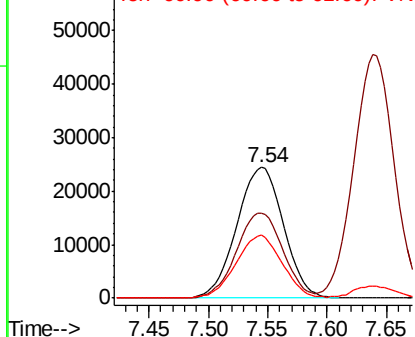


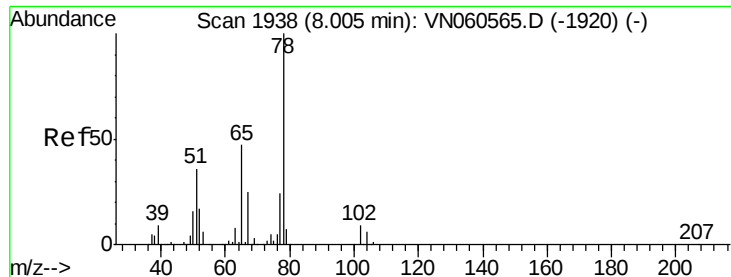
#32
1,1,1-Trichloroethane
Concen: 19.138 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion: 97 Resp: 66545
Ion Ratio Lower Upper
97 100
99 64.7 50.6 75.8
61 47.3 36.2 54.4



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: 50.188 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

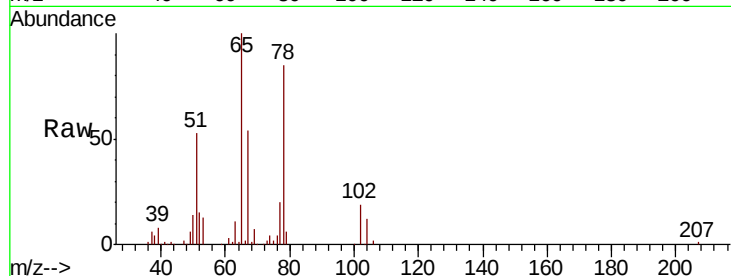
ClientSampleId :

Tot Ion: 65 Resp: 132174

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060565.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060565.D (-1920) (-)

8.00

60000

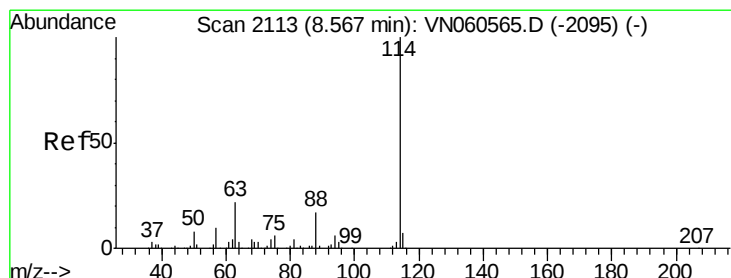
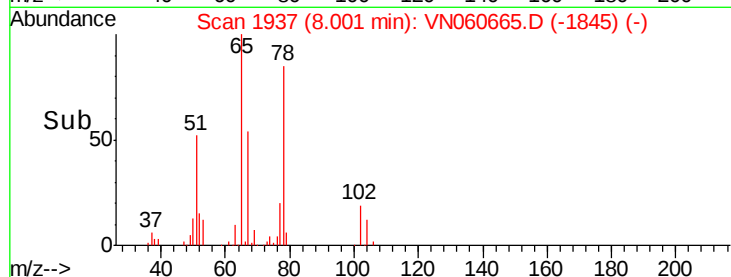
40000

20000

0

Time-->

7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

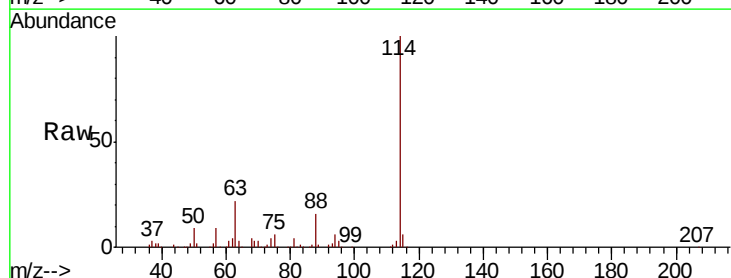
Tgt Ion: 114 Resp: 315557

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

88 16.0 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): VN060565.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060565.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060565.D (-2095) (-)

200000

150000

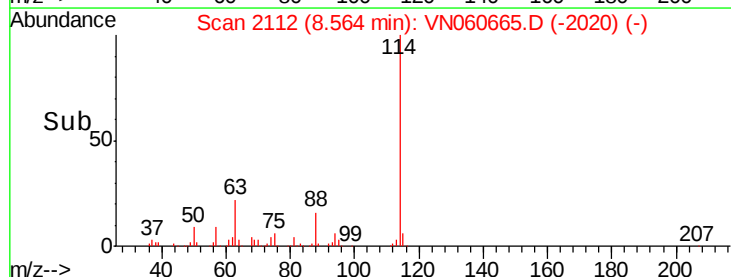
100000

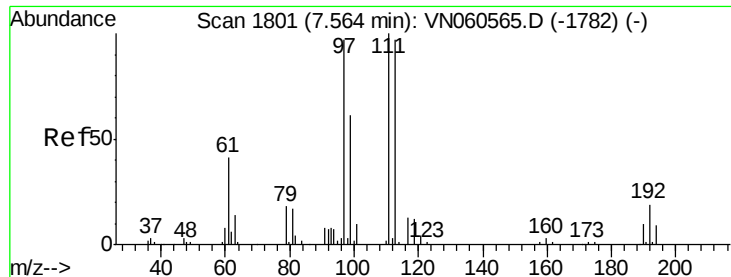
50000

0

Time-->

8.50 8.55 8.60 8.65





#35

Dibromofluoromethane

Concen: 50.037 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

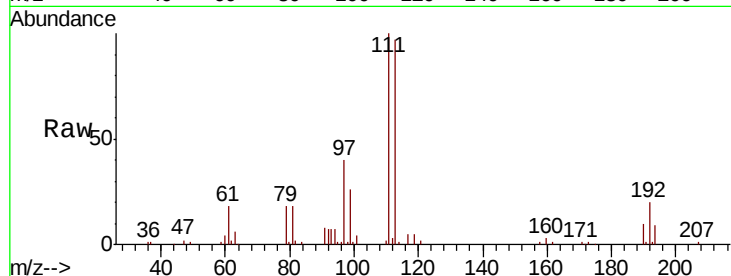
Tot Ion:113 Resp: 95474

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

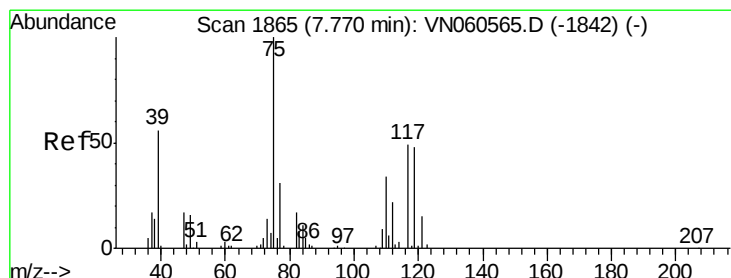
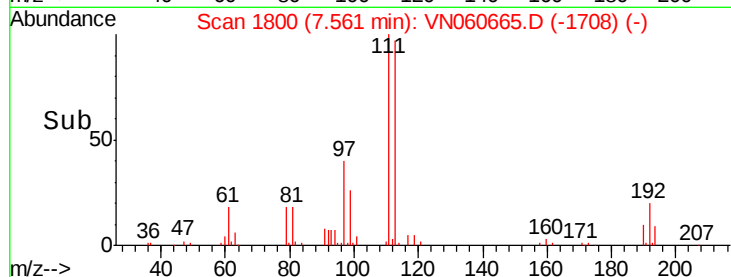
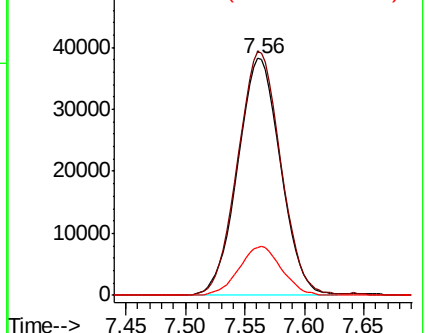
192 20.3 15.8 23.8



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: 20.189 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

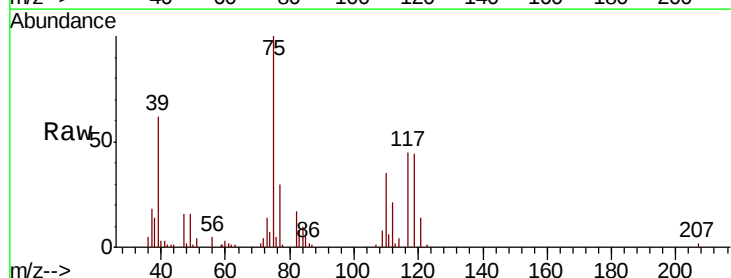
Tgt Ion: 75 Resp: 61688

Ion Ratio Lower Upper

75 100

110 33.8 16.9 50.6

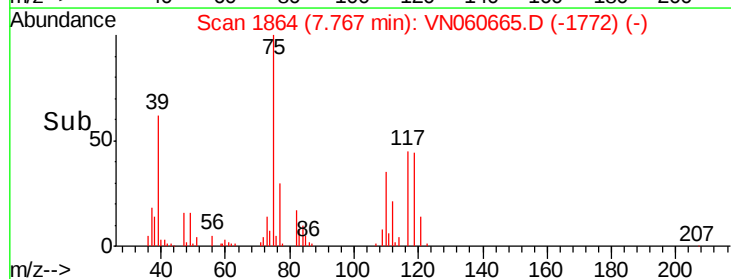
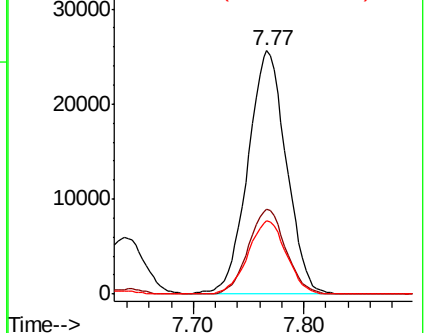
77 30.0 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

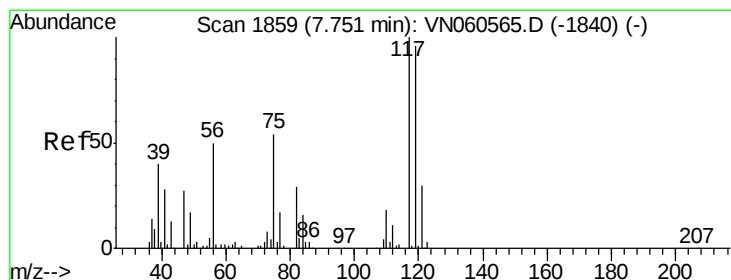
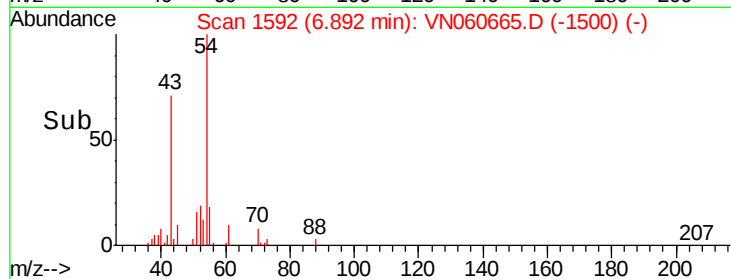
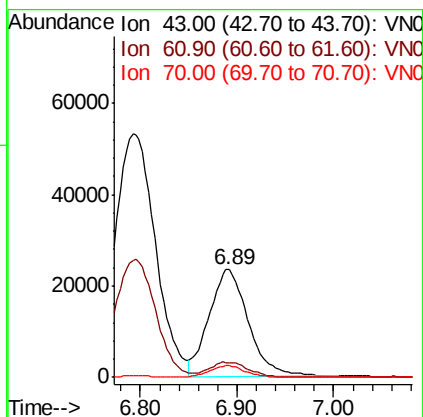
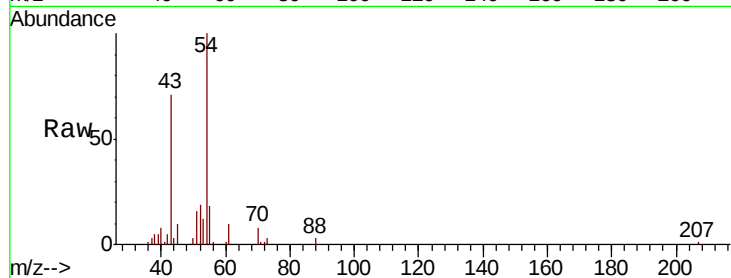




#37
Ethyl Acetate
Concen: 20.123 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

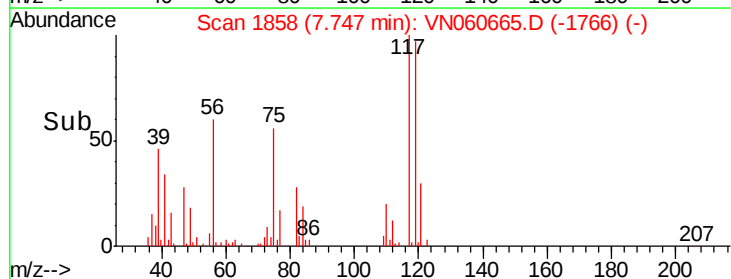
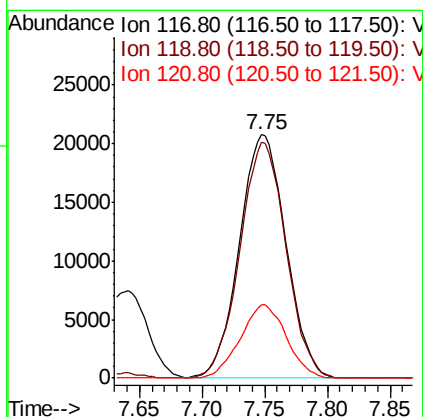
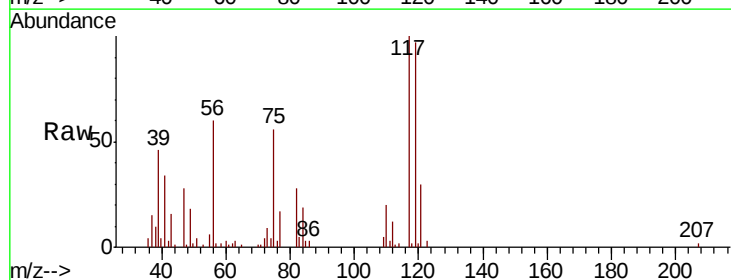
Instrument :
MSVOA_N
ClientSampleId :

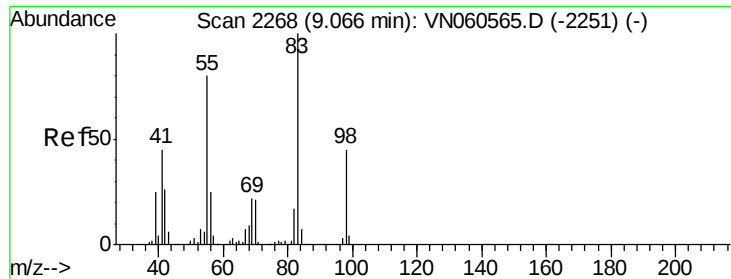
Tot Ion: 43 Resp: 66437
Ion Ratio Lower Upper
43 100
61 14.0 10.6 15.8
70 10.0 7.9 11.9



#38
Carbon Tetrachloride
Concen: 19.501 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion: 117 Resp: 53404
Ion Ratio Lower Upper
117 100
119 96.7 76.2 114.2
121 30.2 23.7 35.5

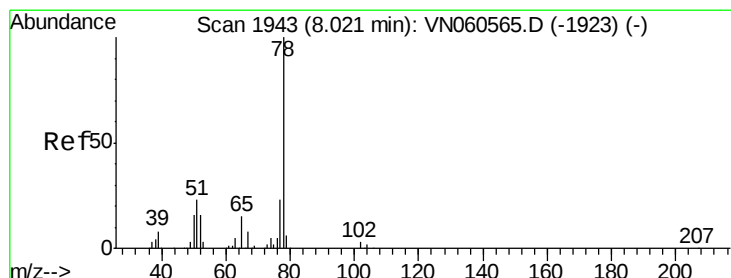
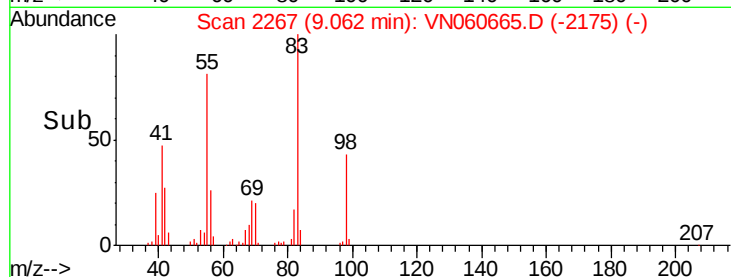
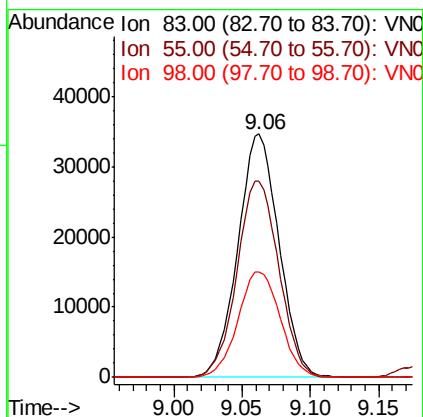
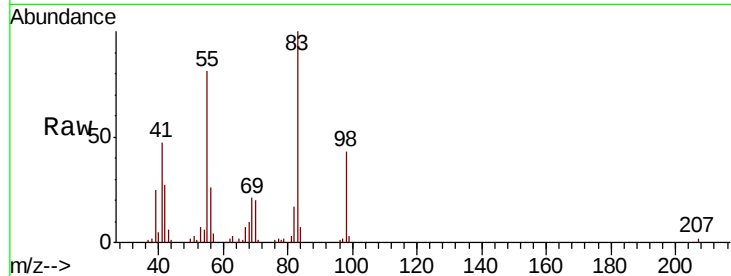




#39
Methvlcvclohexane
Concen: 19.978 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

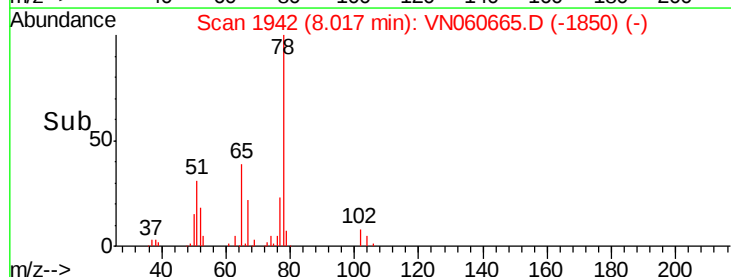
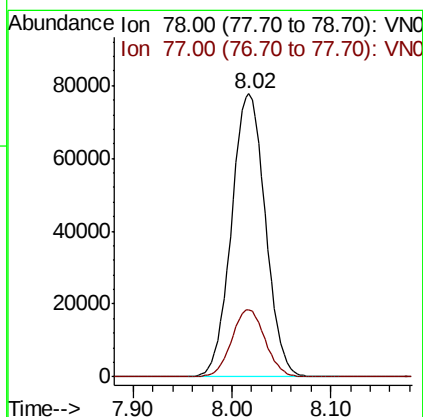
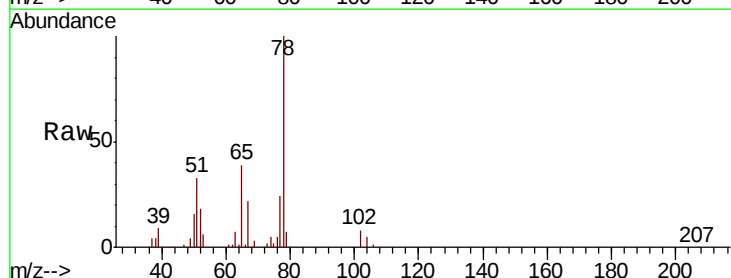
Instrument :
MSVOA_N
ClientSampled :

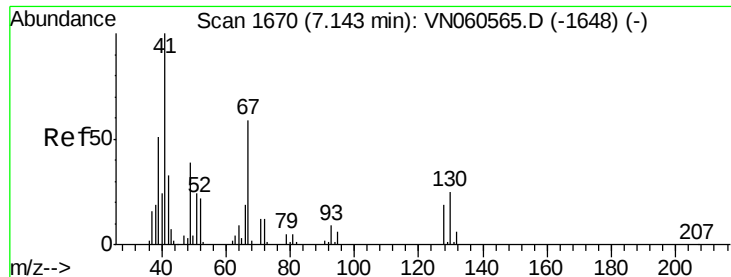
Tot Ion: 83 Resp: 72543
Ion Ratio Lower Upper
83 100
55 80.9 63.6 95.4
98 43.4 36.0 54.0



#40
Benzene
Concen: 20.167 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion: 78 Resp: 186024
Ion Ratio Lower Upper
78 100
77 23.7 18.6 28.0

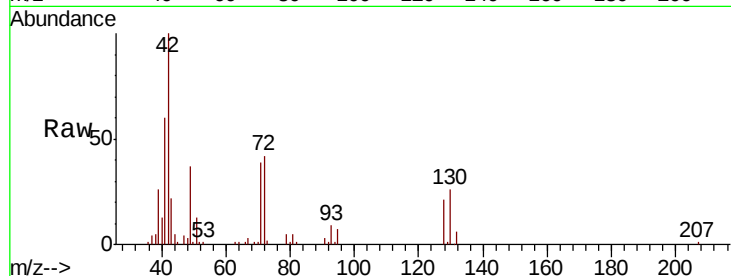




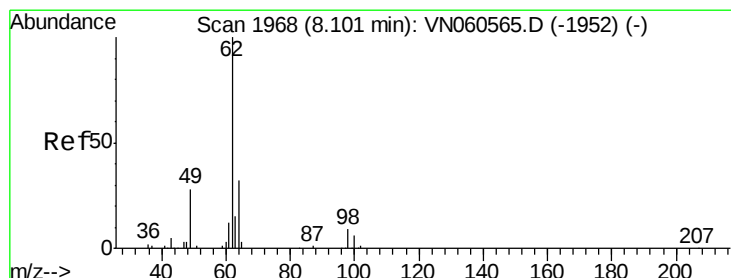
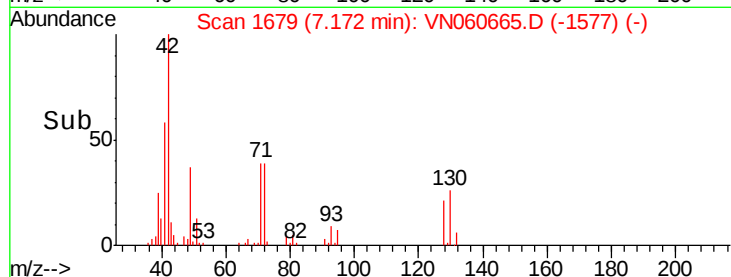
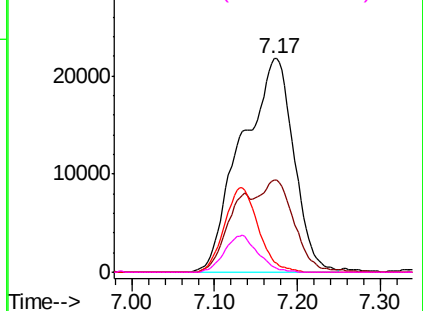
#41
Methacrylonitrile
Concen: 67.712 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.03 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	95409
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

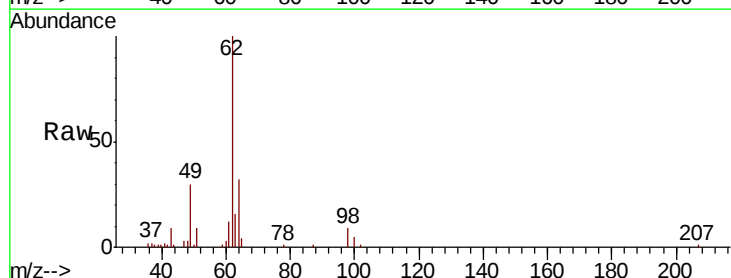


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

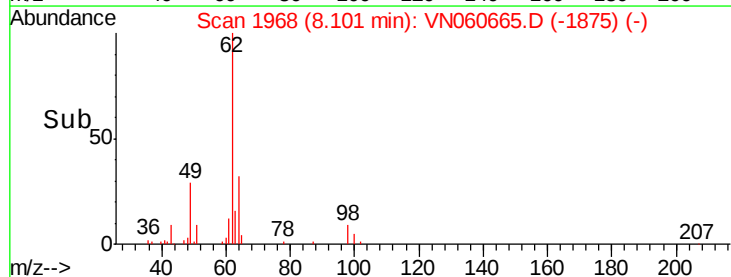
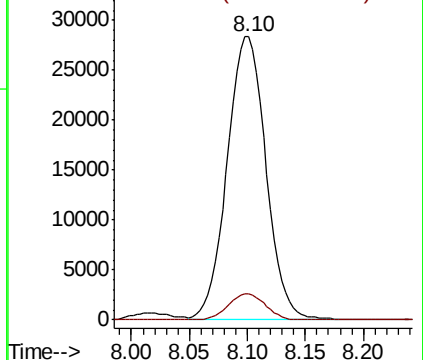


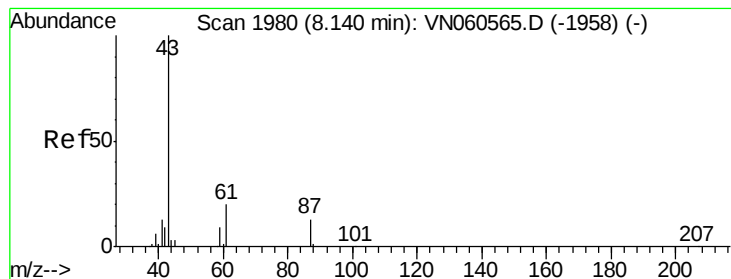
#42
1,2-Dichloroethane
Concen: 20.993 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion:	62	Resp:	66177
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.332 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

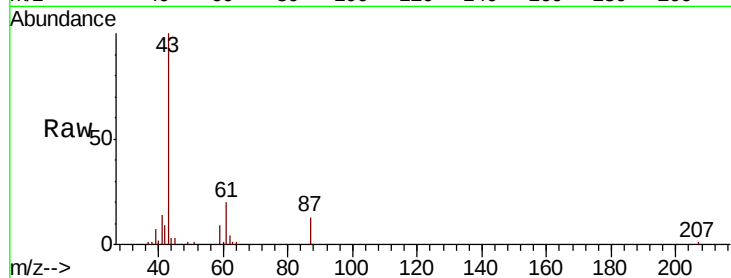
Tot Ion: 43 Resp: 110705

Ion Ratio Lower Upper

43 100

61 25.8 20.7 31.1

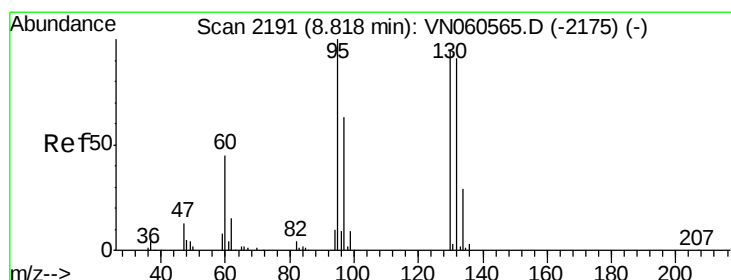
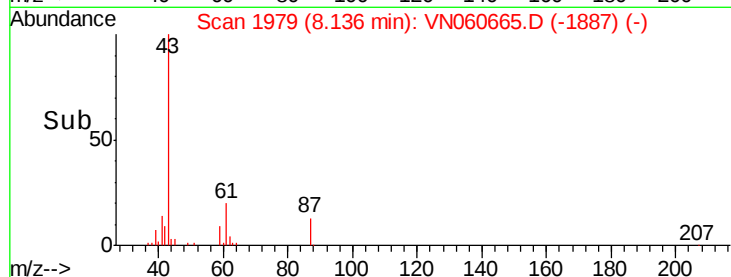
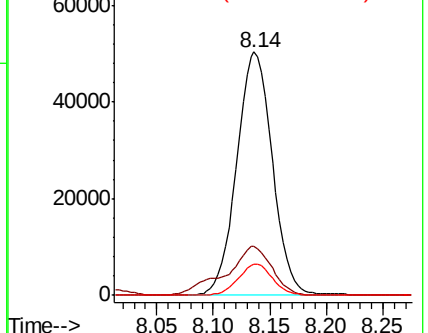
87 12.3 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1958) (-)

Ion 61.00 (60.70 to 61.70): VN060565.D (-1958) (-)

Ion 87.00 (86.70 to 87.70): VN060565.D (-1958) (-)



#44

Trichloroethene

Concen: 20.599 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060665.D

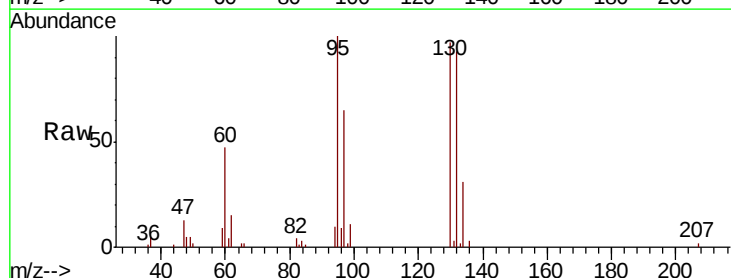
Acq: 24 Mar 2020 12:34

Tgt Ion:130 Resp: 47899

Ion Ratio Lower Upper

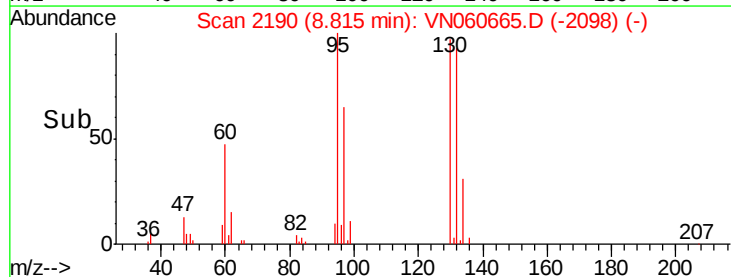
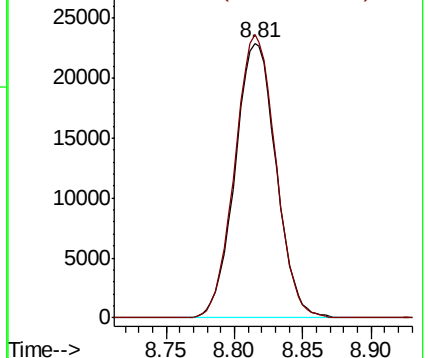
130 100

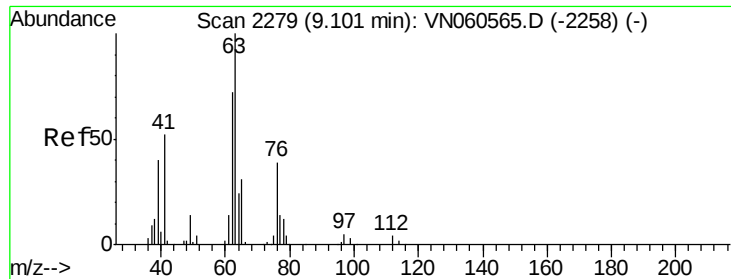
95 103.0 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN060565.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060565.D (-2175) (-)

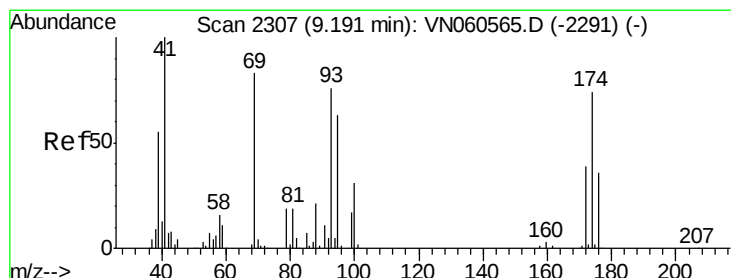
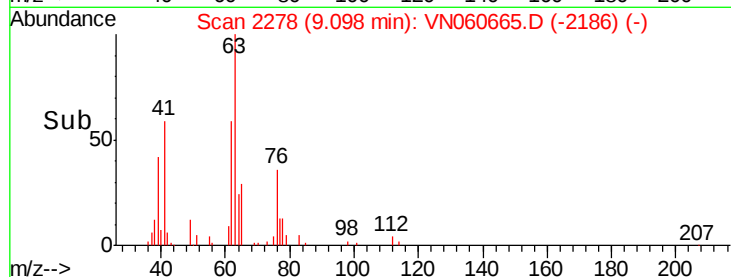
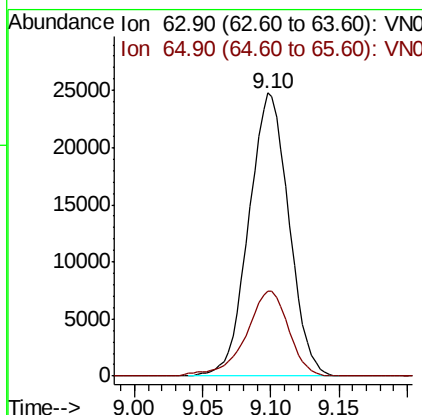
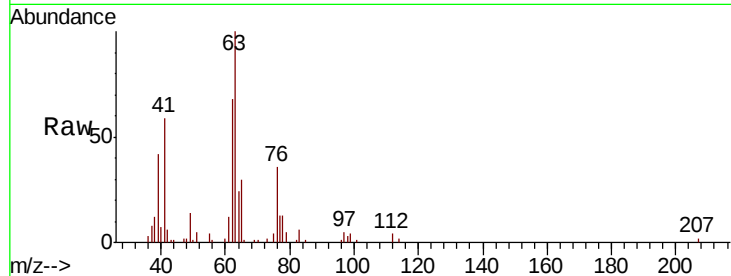




#45
 1,2-Dichloropropane
 Concen: 20.762 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060665.D
 Acq: 24 Mar 2020 12:34

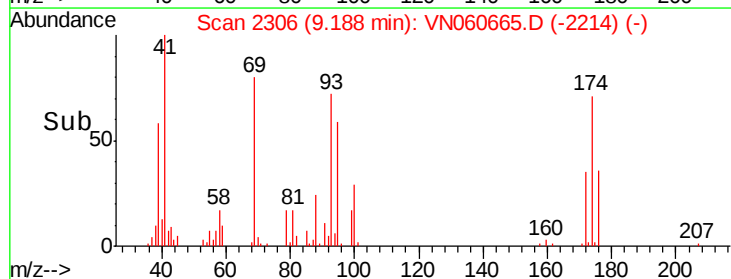
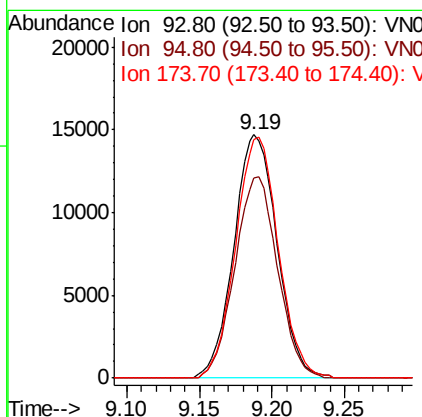
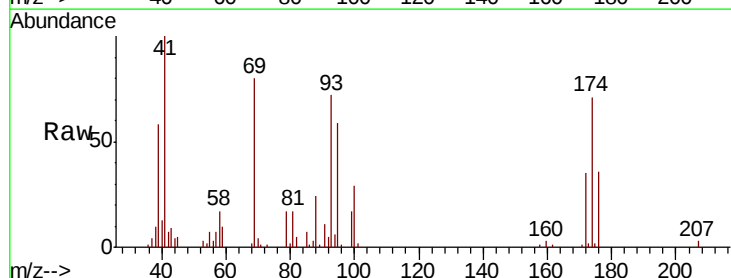
Instrument :
 MSVOA_N
 ClientSampled :

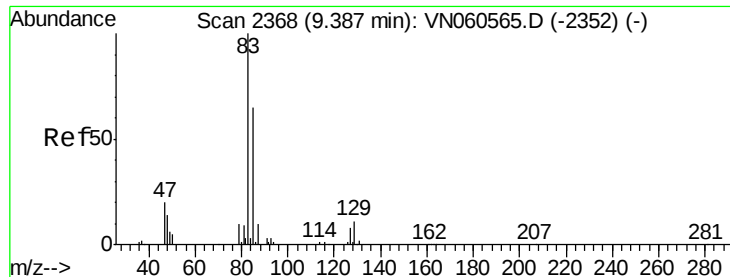
Tot Ion: 63 Resp: 50532
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.4 38.0



#46
 Dibromomethane
 Concen: 20.714 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060665.D
 Acq: 24 Mar 2020 12:34

Tgt Ion: 93 Resp: 30480
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.2 99.4
 174 98.1 77.9 116.9





#47

Bromodichloromethane

Concen: 20.157 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

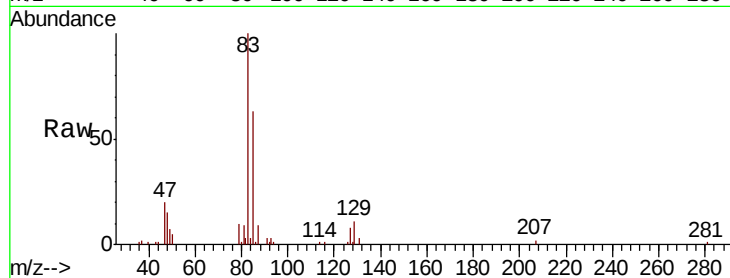
Tot Ion: 83 Resp: 61635

Ion Ratio Lower Upper

83 100

85 62.9 51.8 77.6

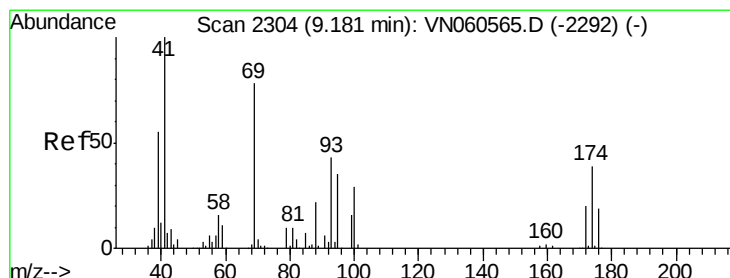
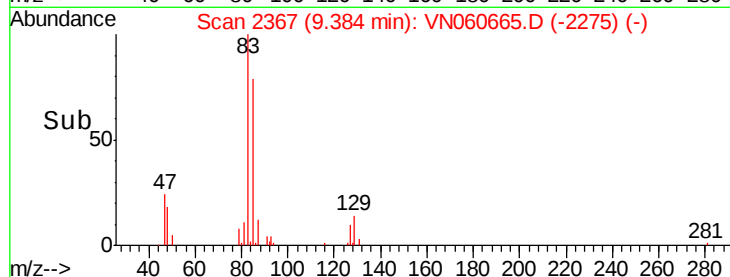
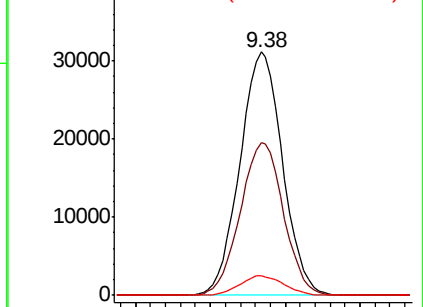
127 8.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060665.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN060665.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN060665.D (-2352) (-)



#48

Methyl methacrylate

Concen: 19.757 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

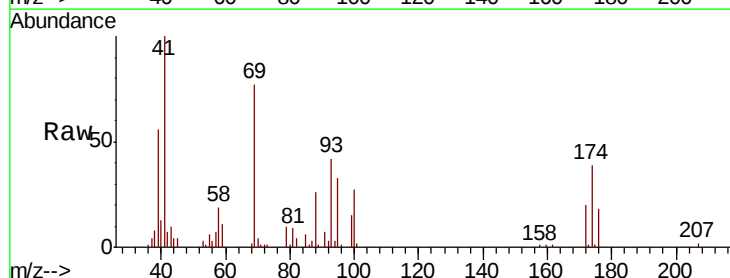
Tgt Ion: 41 Resp: 47896

Ion Ratio Lower Upper

41 100

69 81.3 65.4 98.0

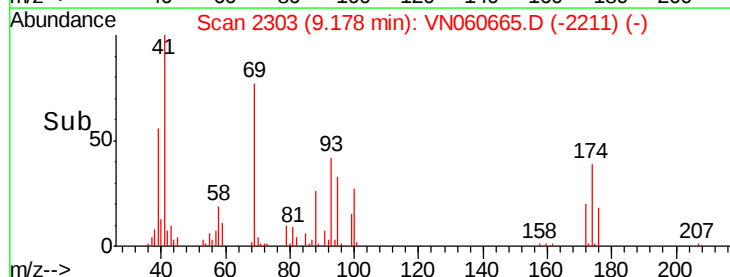
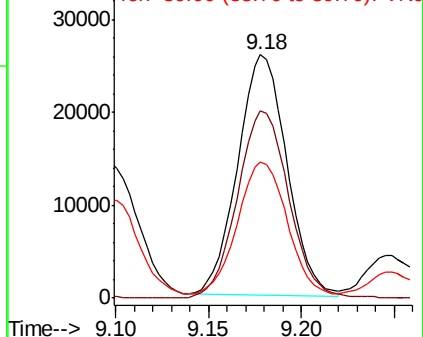
39 56.2 44.0 66.0



Abundance Ion 41.00 (40.70 to 41.70): VN060665.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN060665.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN060665.D (-2292) (-)

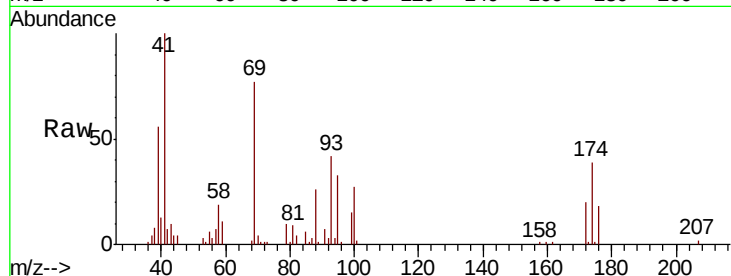




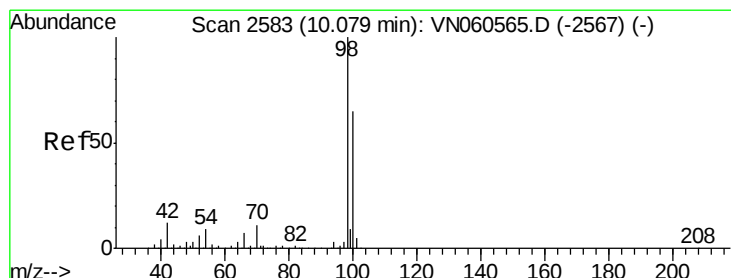
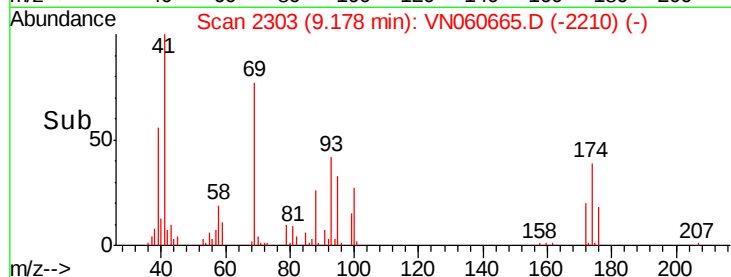
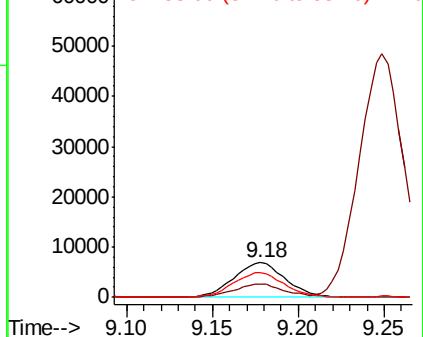
#49
1,4-Dioxane
Concen: 494.704 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 14255
Ion Ratio Lower Upper
88 100
43 37.7 30.8 46.2
58 70.9 59.8 89.8

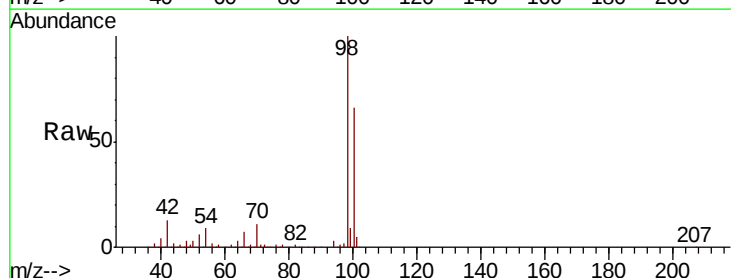


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

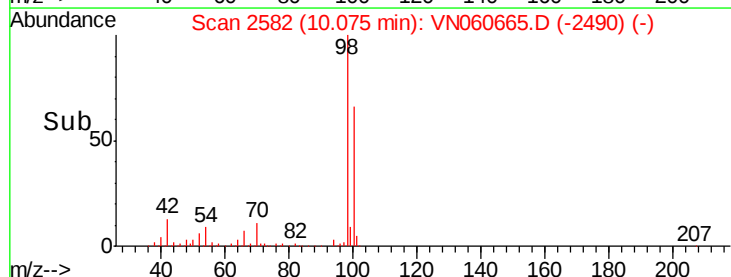
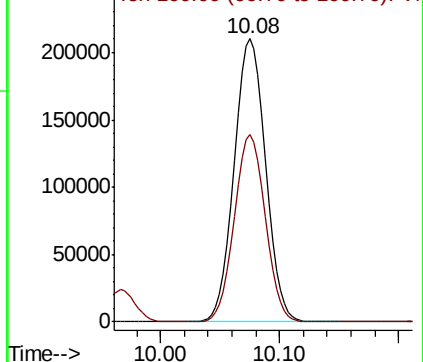


#50
Toluene-d8
Concen: 49.474 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion: 98 Resp: 385586
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

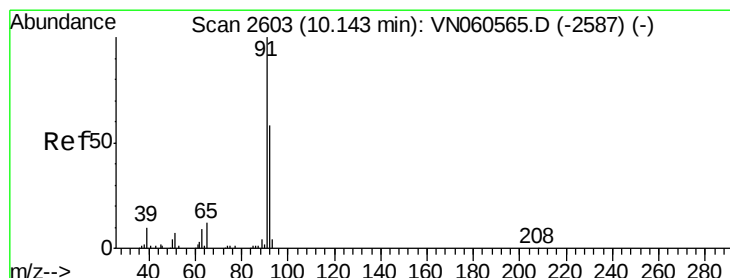
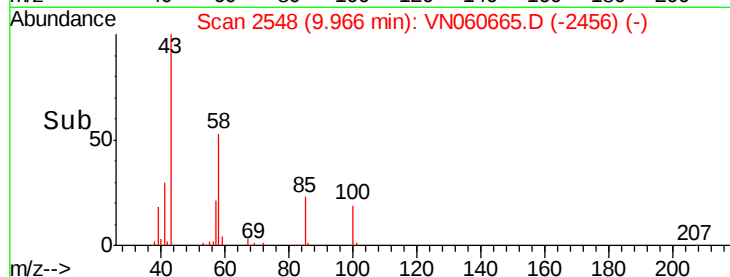
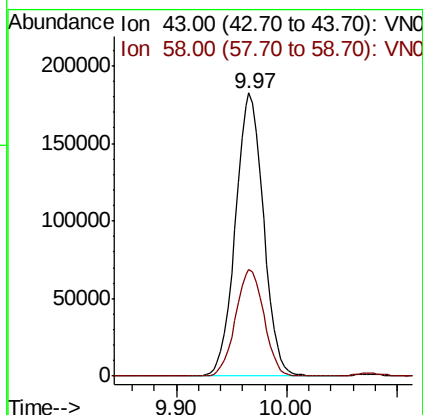
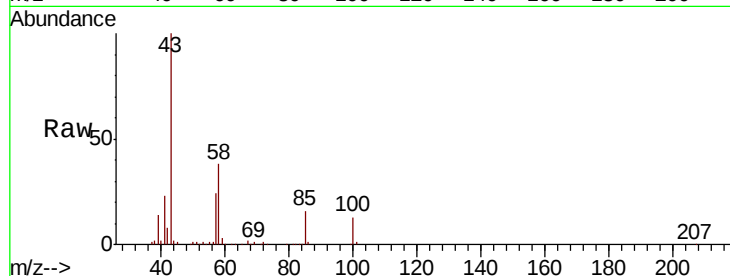




#51
4-Methyl-2-Pentanone
Concen: 103.479 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

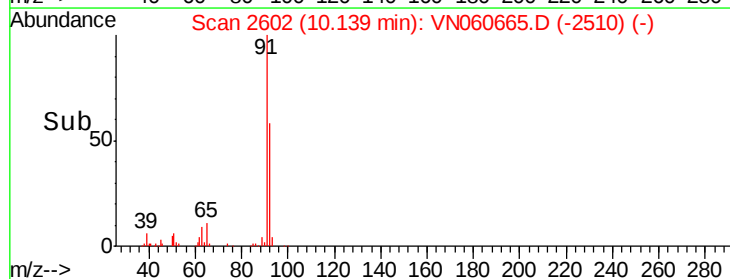
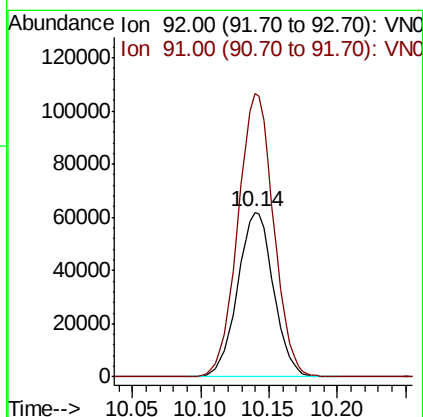
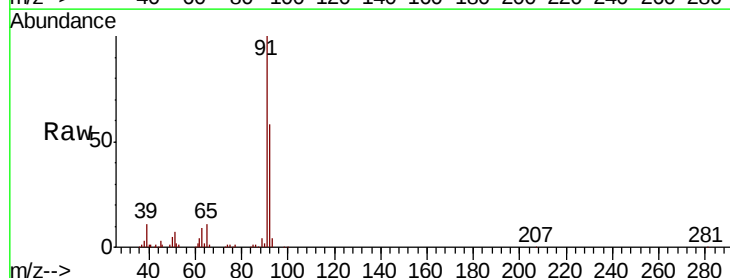
Instrument :
MSVOA_N
ClientSampleId :

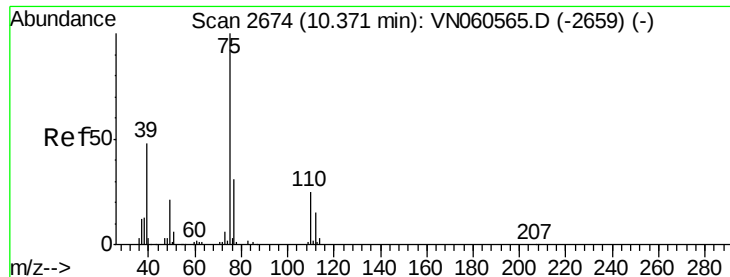
Tot Ion: 43 Resp: 320625
Ion Ratio Lower Upper
43 100
58 38.3 30.8 46.2



#52
Toluene
Concen: 20.234 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion: 92 Resp: 112718
Ion Ratio Lower Upper
92 100
91 171.3 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 20.874 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

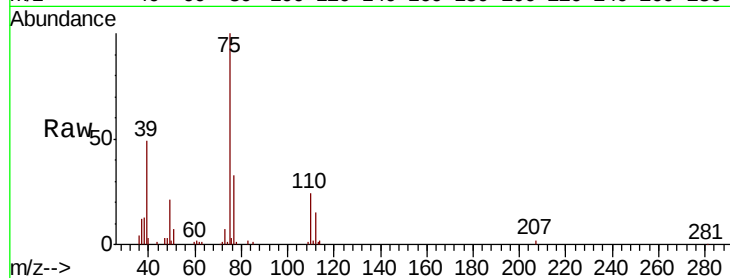
ClientSampleId :

Tot Ion: 75 Resp: 73317

Ion Ratio Lower Upper

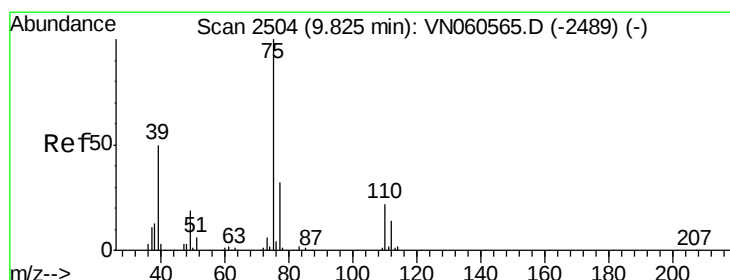
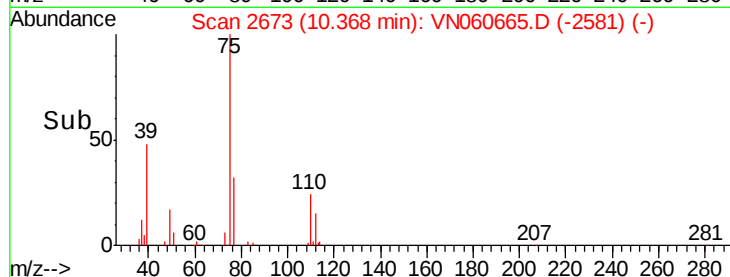
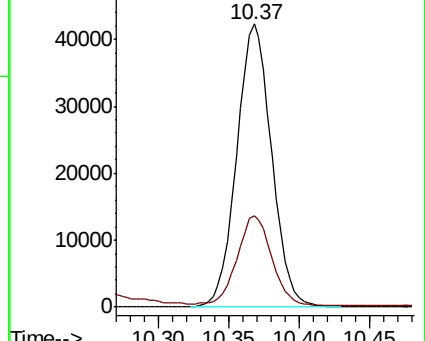
75 100

77 32.0 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.568 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

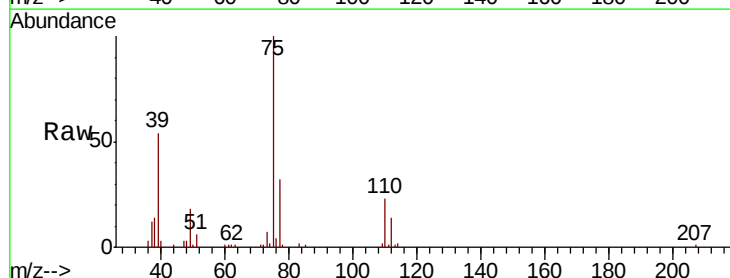
Tgt Ion: 75 Resp: 79251

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0

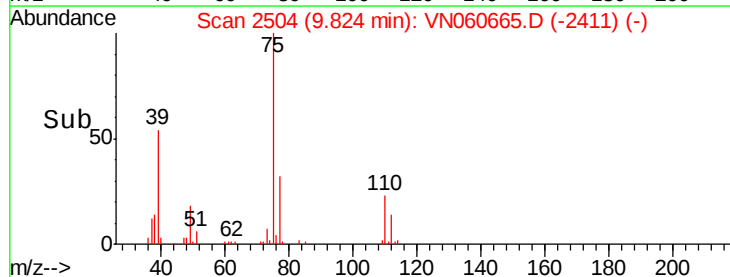
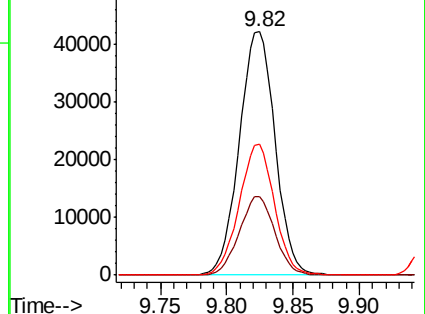
39 53.8 40.2 60.4

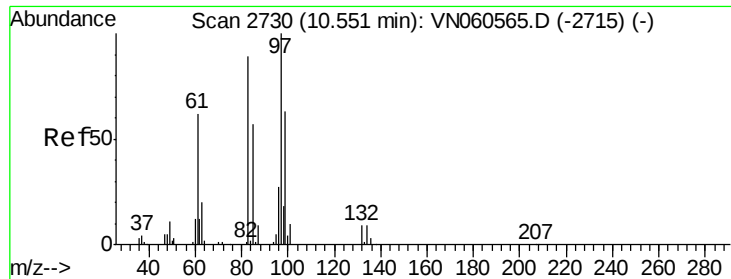


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

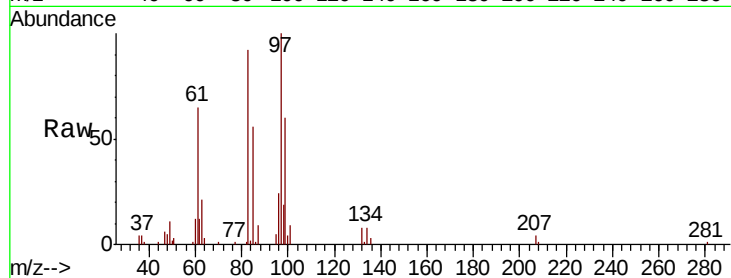




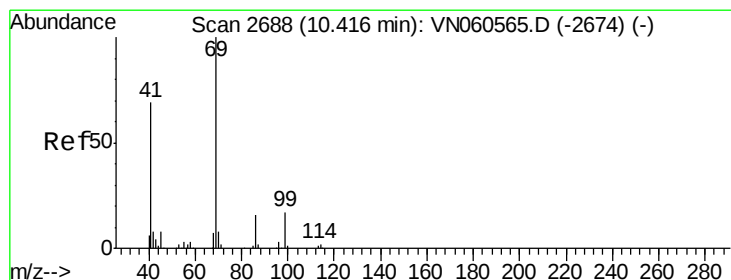
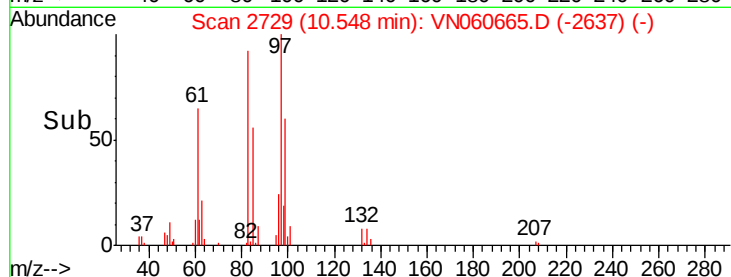
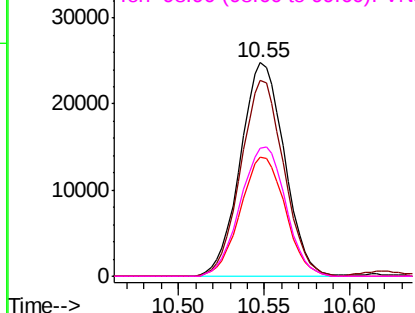
#55
 1,1,2-Trichloroethane
 Concen: 20.509 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060665.D
 Acq: 24 Mar 2020 12:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	43953
Ion	Ratio	Lower	Upper
97	100		
83	91.7	71.3	106.9
85	56.0	45.2	67.8
99	59.8	50.1	75.1

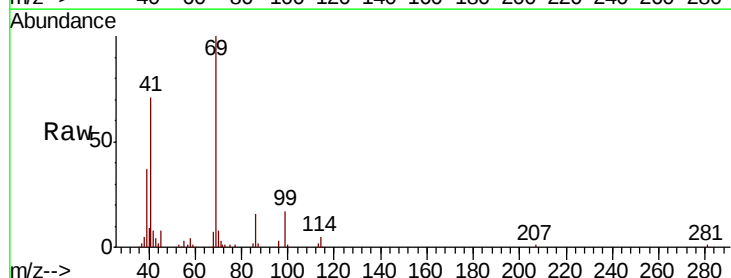


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

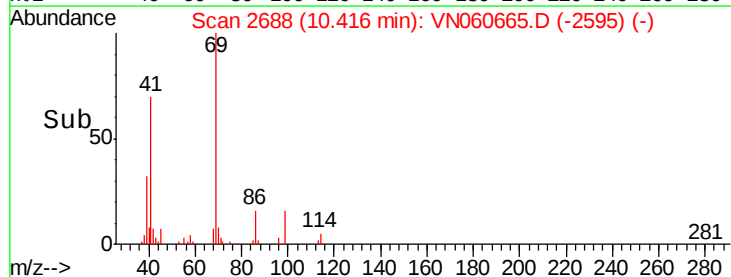
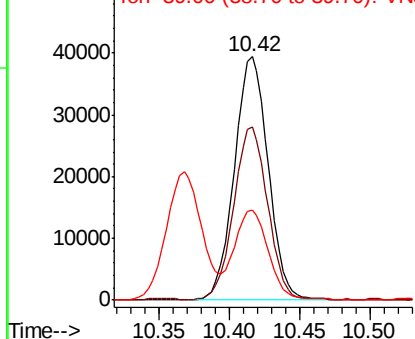


#56
 Ethyl methacrylate
 Concen: 19.860 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060665.D
 Acq: 24 Mar 2020 12:34

Tgt Ion:	69	Resp:	66365
Ion	Ratio	Lower	Upper
69	100		
41	71.8	55.4	83.2
39	36.3	29.4	44.0



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: 20.600 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

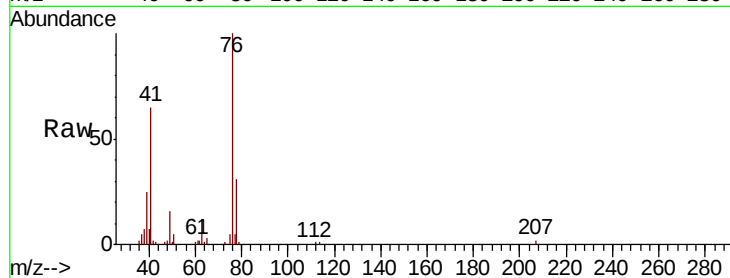
ClientSampleId :

Tot Ion: 76 Resp: 76611

Ion Ratio Lower Upper

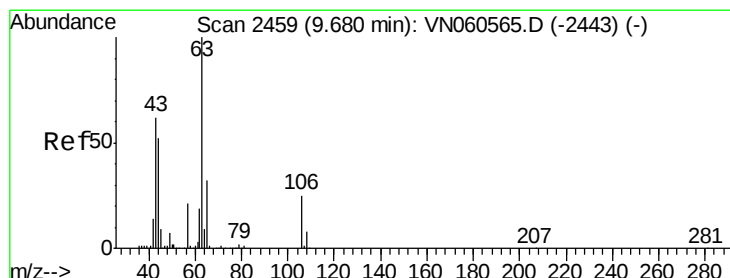
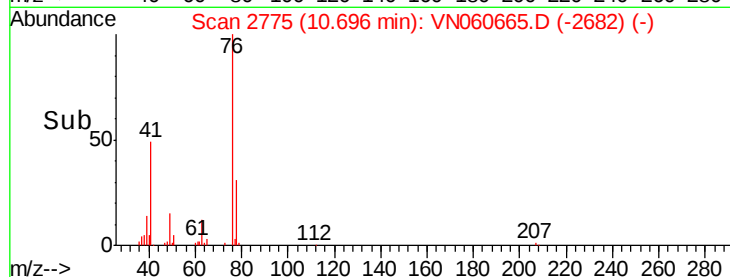
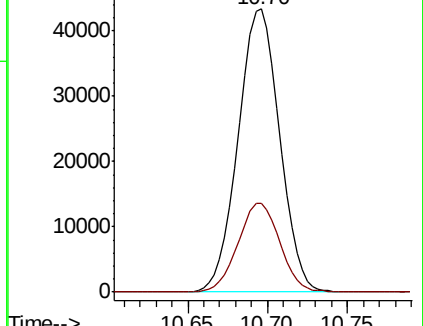
76 100

78 31.7 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN060665.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN060665.D (-2761) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 104.480 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060665.D

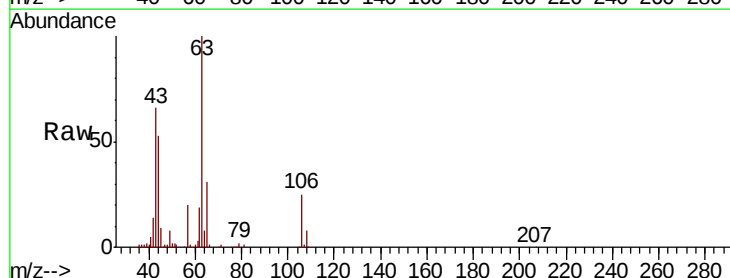
Acq: 24 Mar 2020 12:34

Tgt Ion: 63 Resp: 173522

Ion Ratio Lower Upper

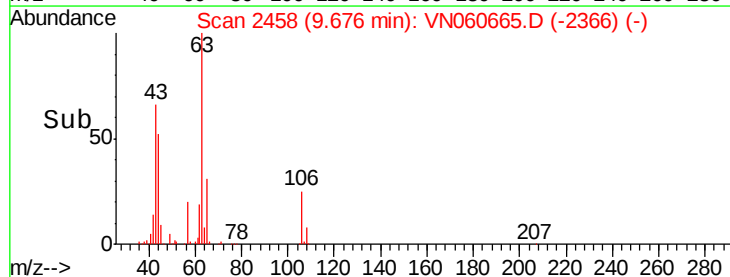
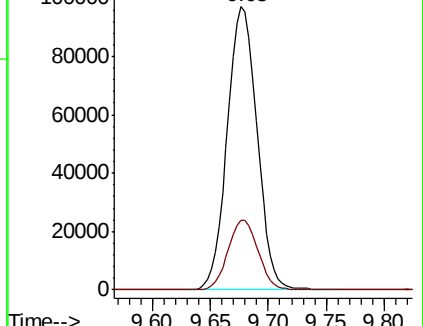
63 100

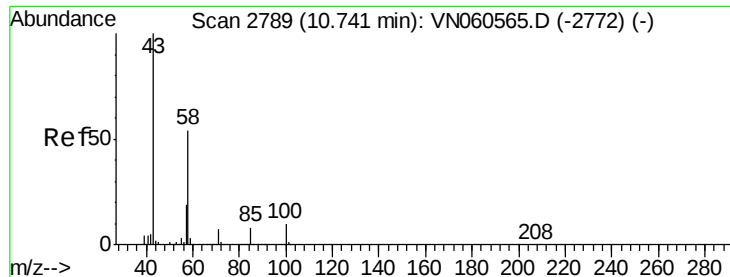
106 24.8 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060665.D (-2443) (-)

Ion 105.90 (105.60 to 106.60): VN060665.D (-2443) (-)

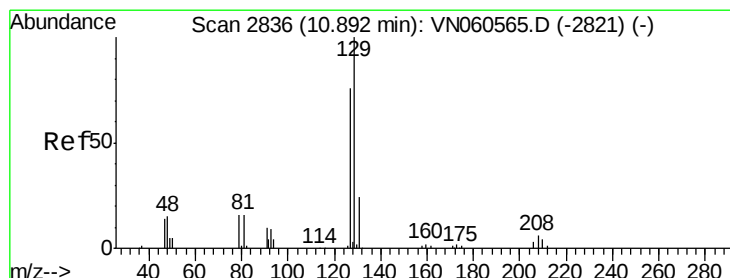
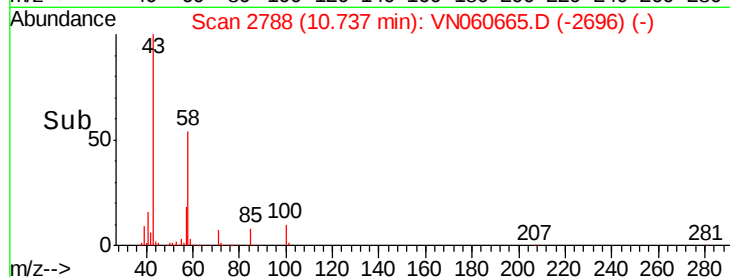
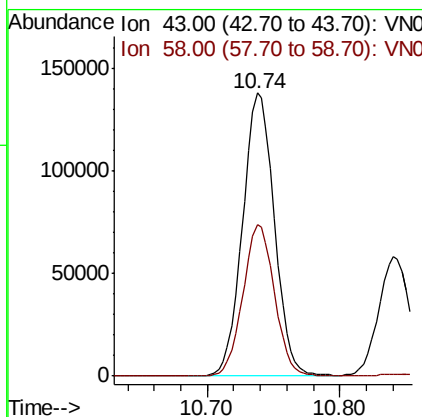
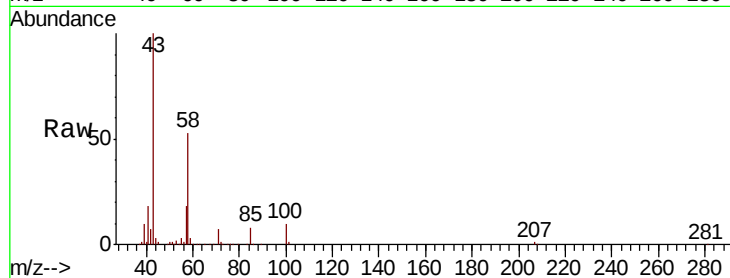




#59
2-Hexanone
Concen: 103.152 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

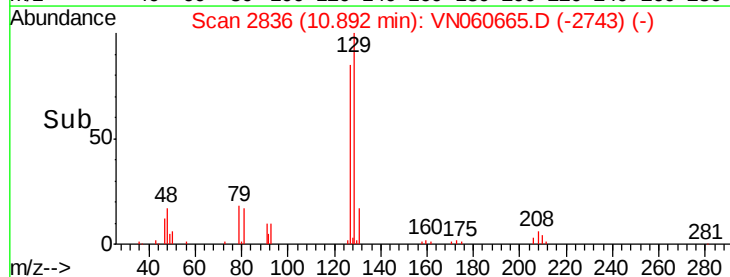
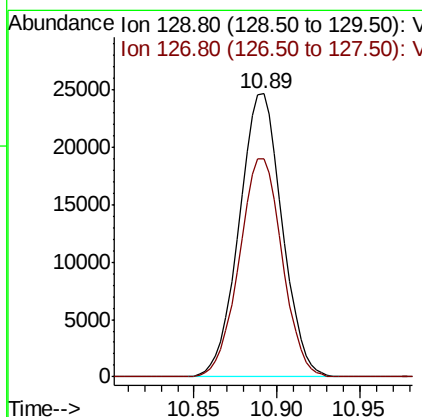
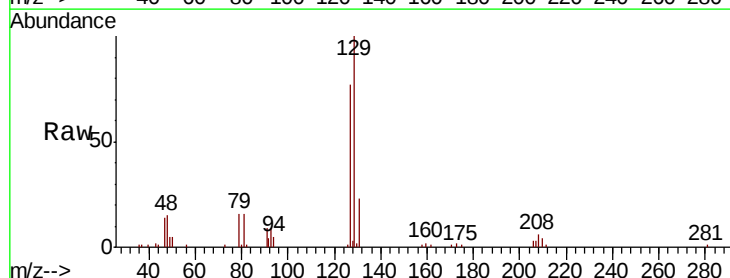
Instrument :
MSVOA_N
ClientSampled :

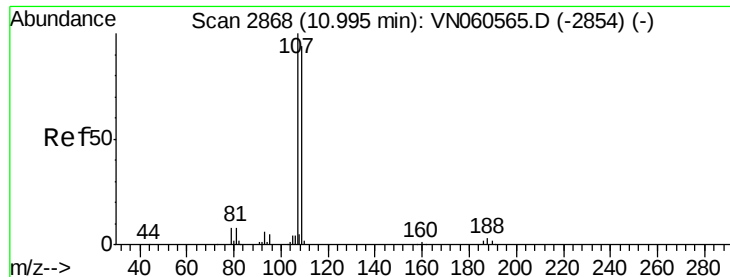
Tot Ion: 43 Resp: 230231
Ion Ratio Lower Upper
43 100
58 53.0 26.7 80.1



#60
Dibromochloromethane
Concen: 20.047 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion: 129 Resp: 44379
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5

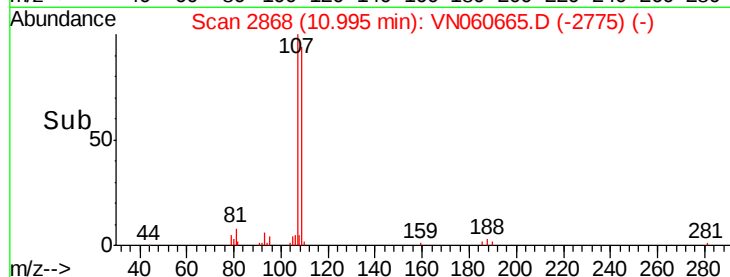
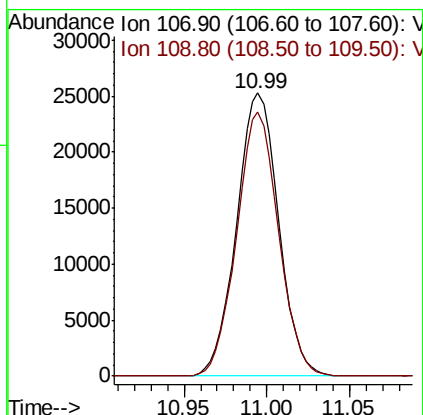
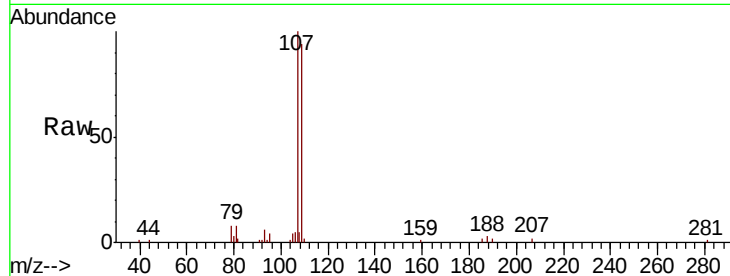




#61
 1,2-Dibromoethane
 Concen: 20.650 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060665.D
 Acq: 24 Mar 2020 12:34

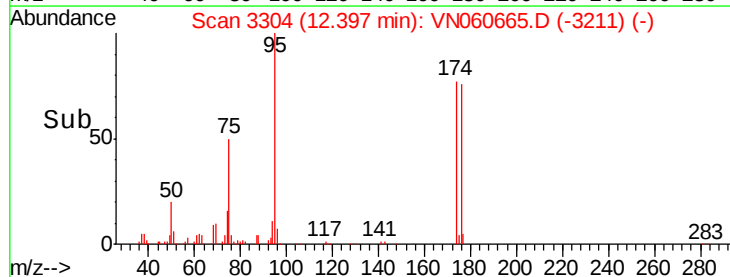
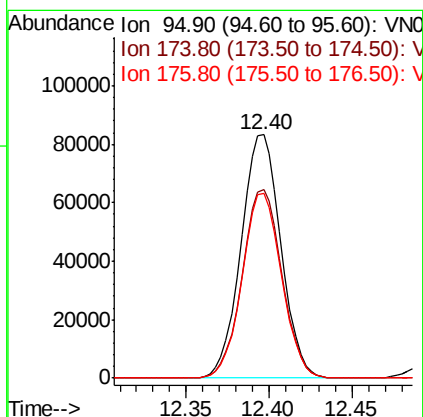
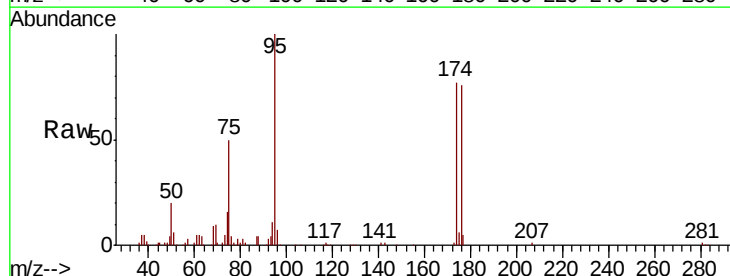
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 107 Resp: 44502
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 48.546 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060665.D
 Acq: 24 Mar 2020 12:34

Tgt Ion: 95 Resp: 138663
 Ion Ratio Lower Upper
 95 100
 174 77.5 0.0 157.6
 176 75.4 0.0 150.6

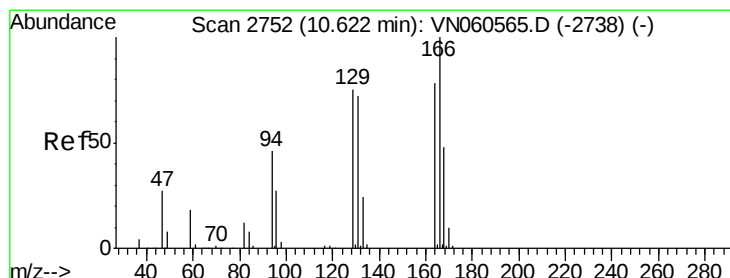
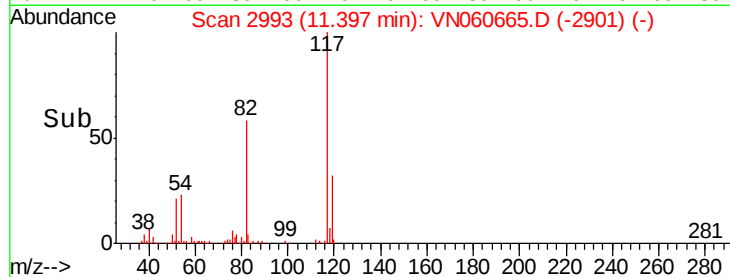
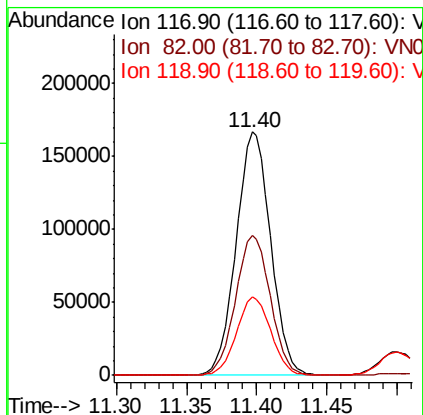
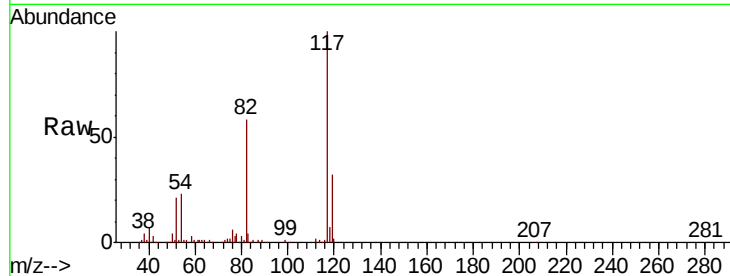




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

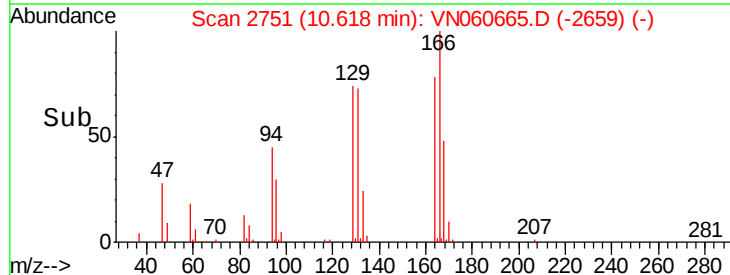
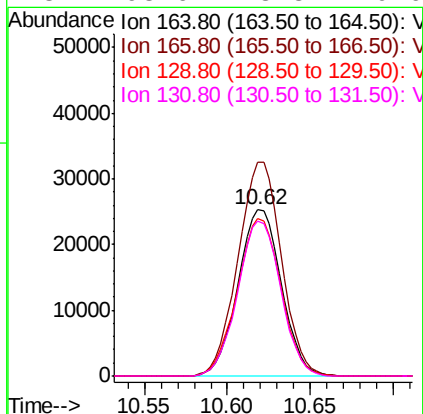
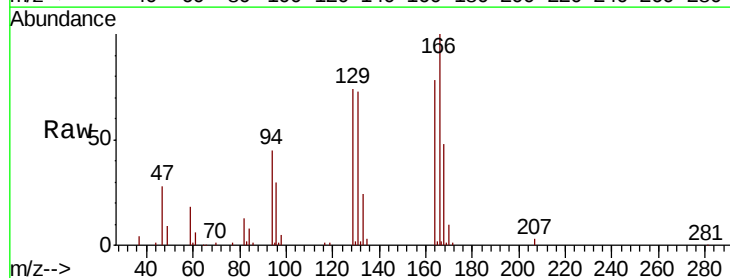
Instrument :
MSVOA_N
ClientSampled :

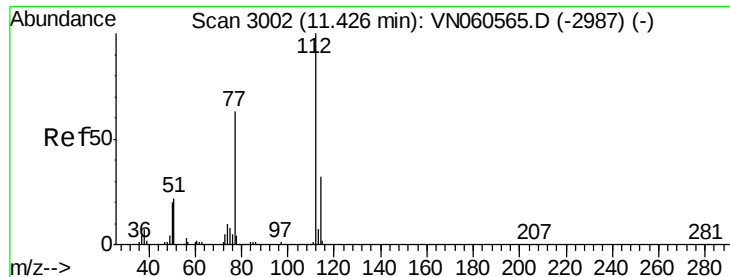
Tot Ion:117 Resp: 286158
Ion Ratio Lower Upper
117 100
82 57.7 46.7 70.1
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 20.425 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion:164 Resp: 45994
Ion Ratio Lower Upper
164 100
166 128.4 102.7 154.1
129 94.8 77.2 115.8
131 93.6 73.8 110.6

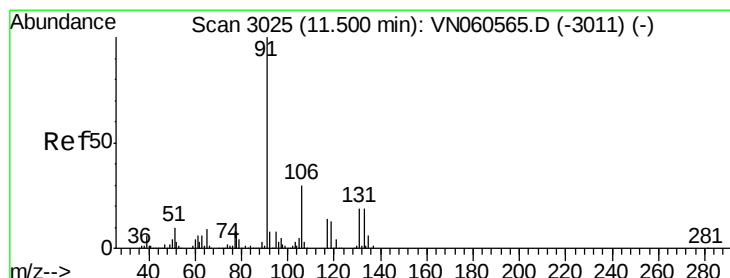
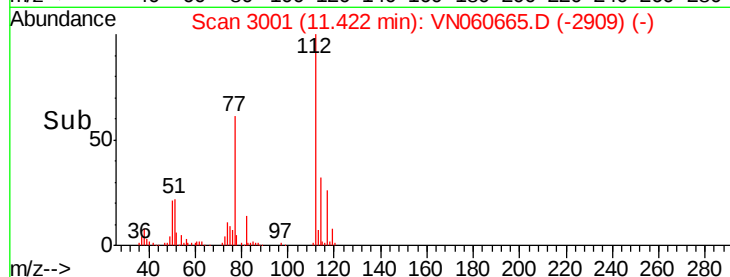
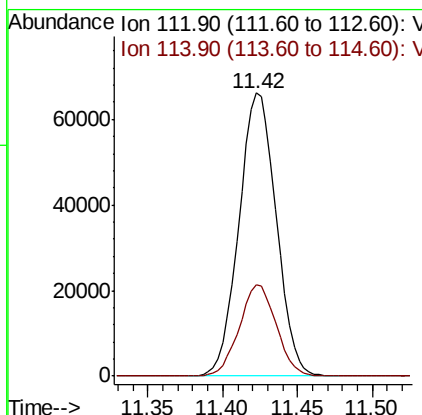
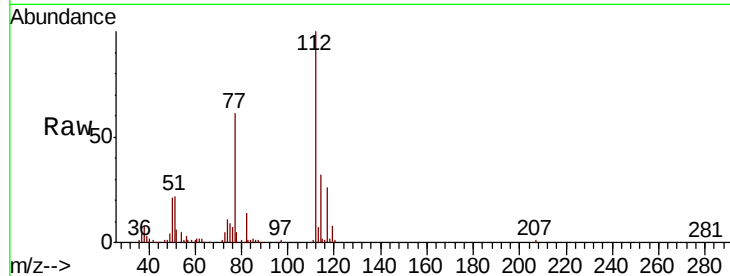




#65
Chlorobenzene
Concen: 20.221 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

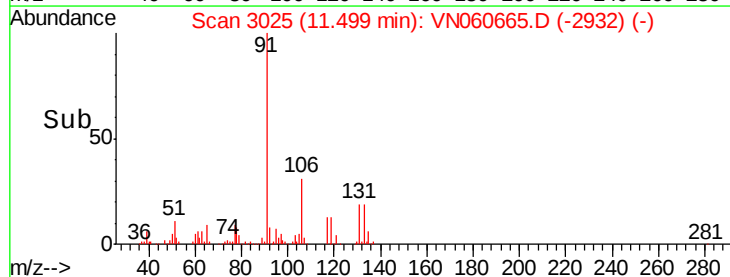
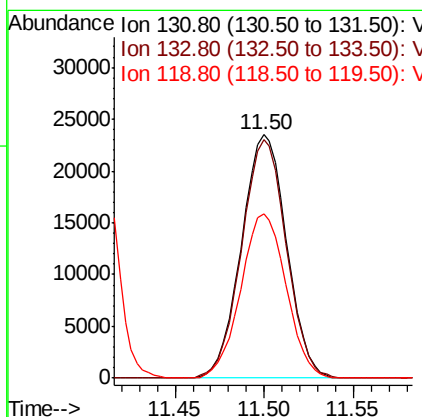
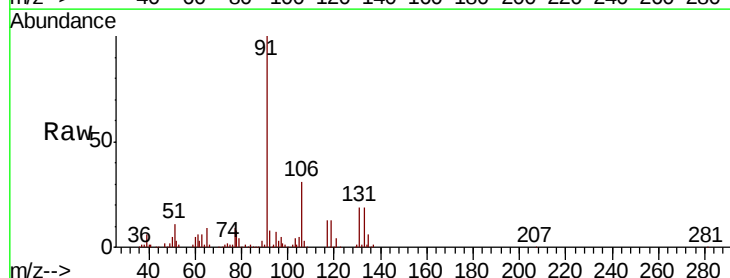
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:112 Resp: 114709
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.192 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion:131 Resp: 41473
Ion Ratio Lower Upper
131 100
133 97.2 48.9 146.8
119 67.9 33.9 101.7





#67

Ethyl Benzene

Concen: 20.207 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

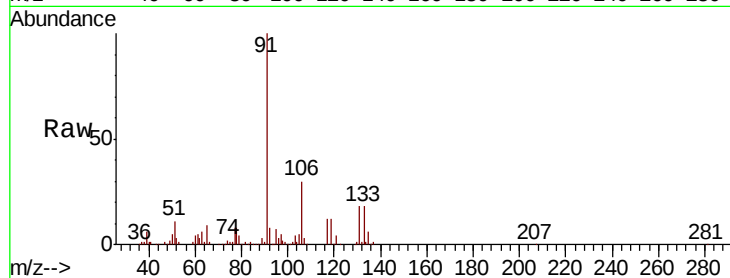
ClientSampleId :

Tot Ion: 91 Resp: 213171

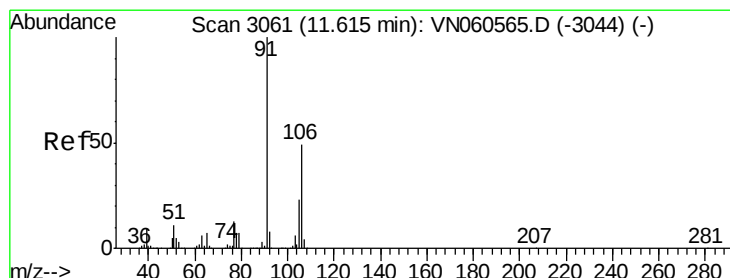
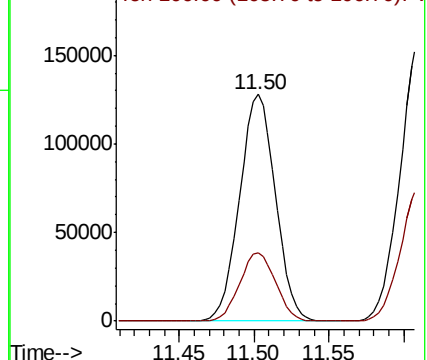
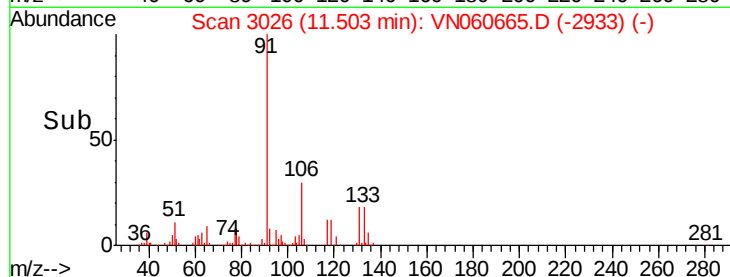
Ion Ratio Lower Upper

91 100

106 30.3 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN060665.D (-2933) (-)



#68

m/p-Xylenes

Concen: 40.044 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060665.D

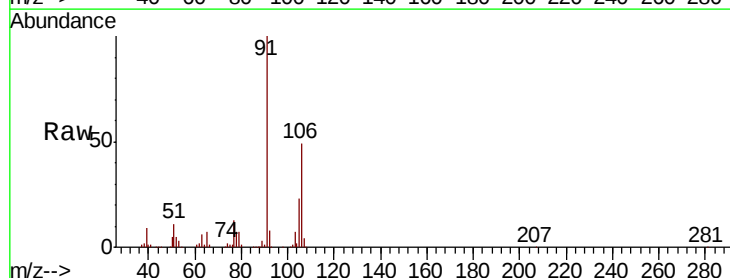
Acq: 24 Mar 2020 12:34

Tgt Ion: 106 Resp: 156981

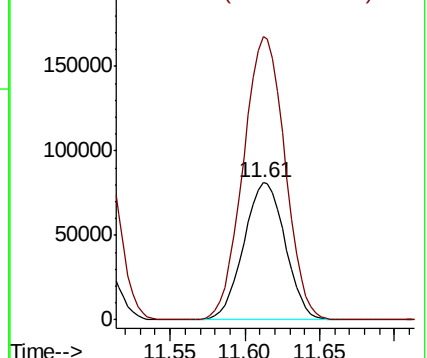
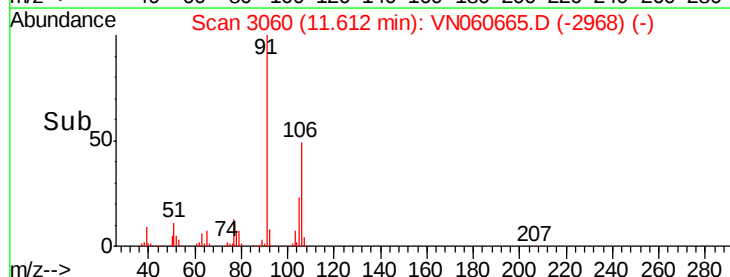
Ion Ratio Lower Upper

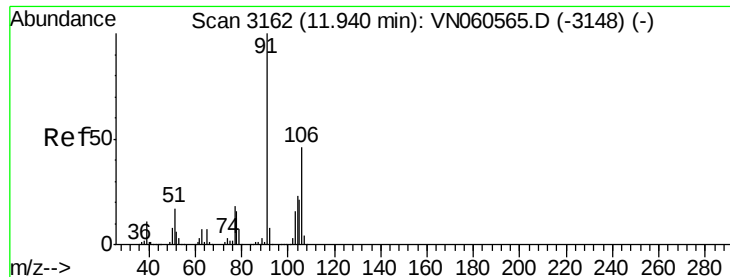
106 100

91 207.6 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060665.D (-2968) (-)

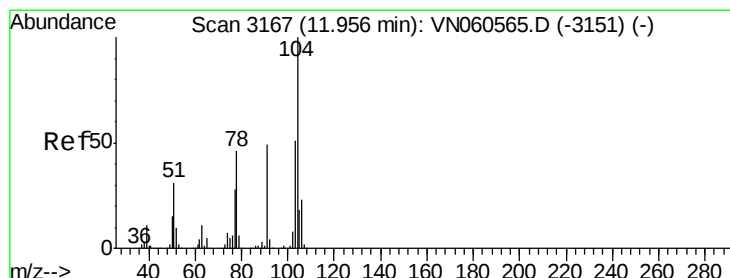
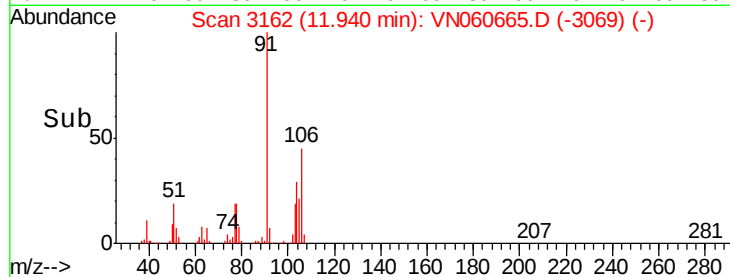
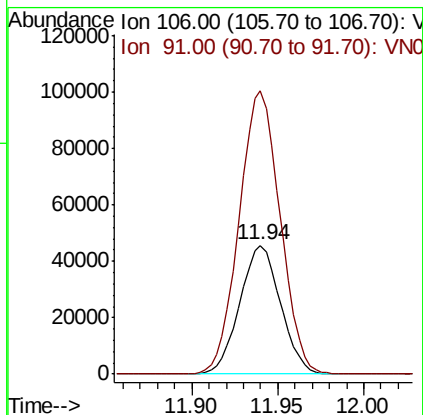
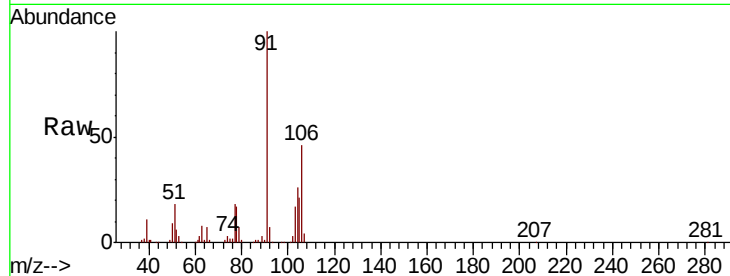




#69
o-Xylene
Concen: 20.060 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

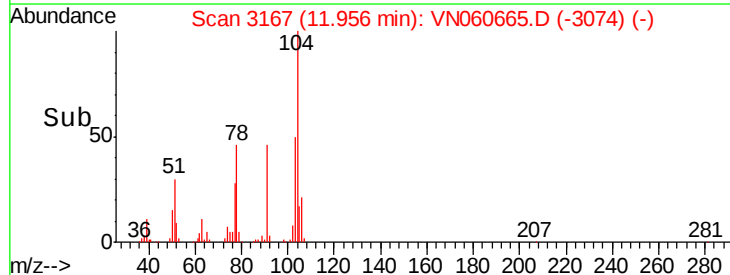
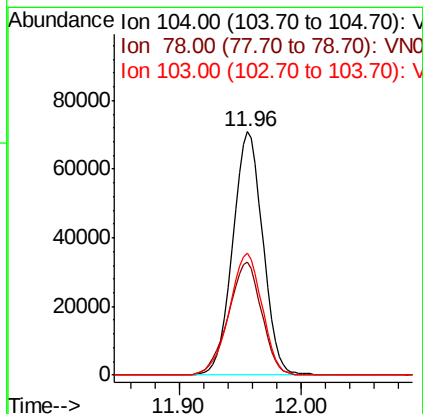
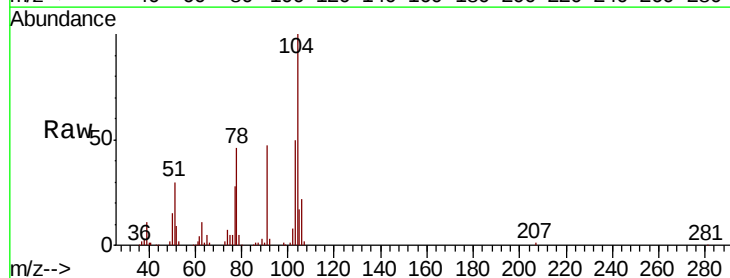
Instrument :
MSVOA_N
ClientSampled :

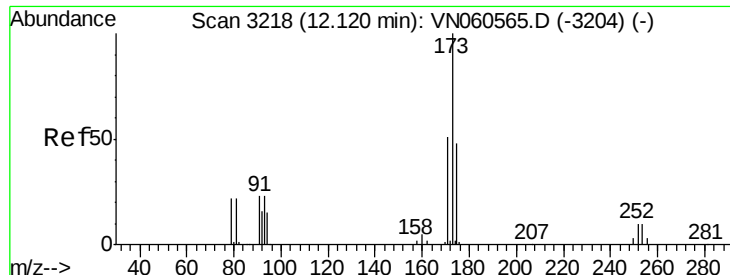
Tot Ion:106 Resp: 75071
Ion Ratio Lower Upper
106 100
91 221.4 109.5 328.4



#70
Styrene
Concen: 19.842 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion:104 Resp: 121445
Ion Ratio Lower Upper
104 100
78 51.4 41.2 61.8
103 54.6 44.0 66.0

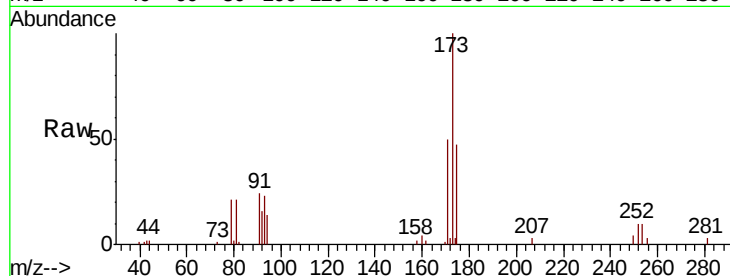




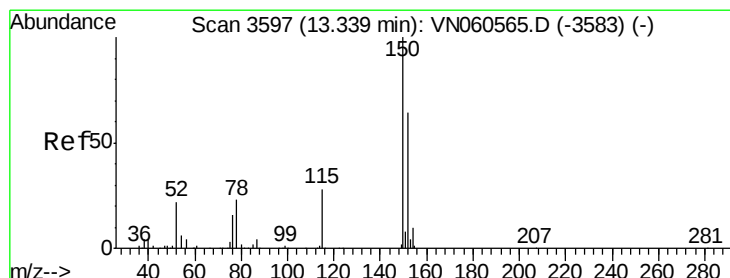
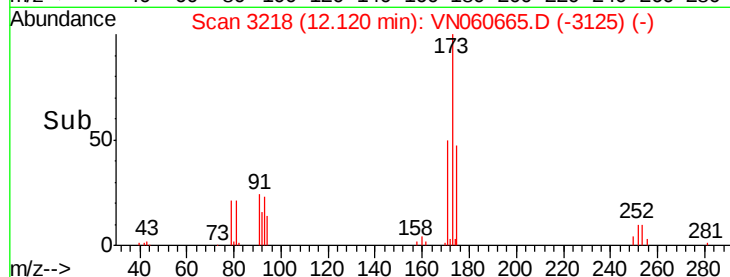
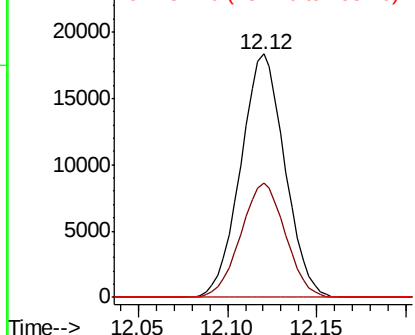
#71
Bromoform
Concen: 19.624 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 31696
Ion Ratio Lower Upper
173 100
175 47.3 24.1 72.4
254 0.0 0.0 0.0

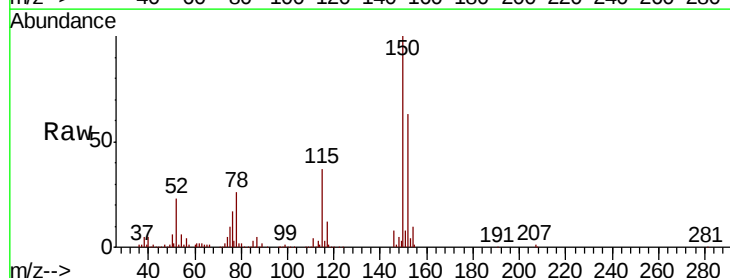


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

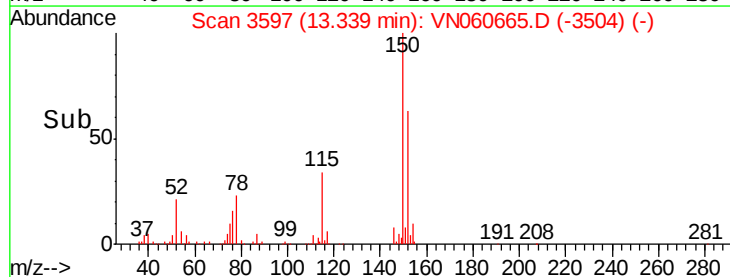
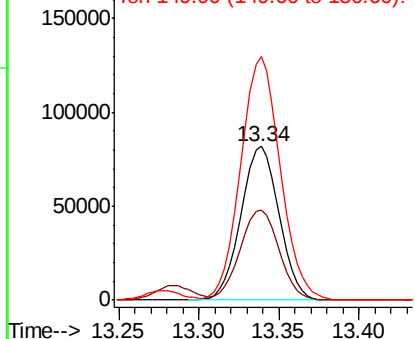


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion:152 Resp: 132997
Ion Ratio Lower Upper
152 100
115 59.7 30.2 90.6
150 164.5 0.0 350.2



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





#73

Isopropylbenzene

Concen: 20.134 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

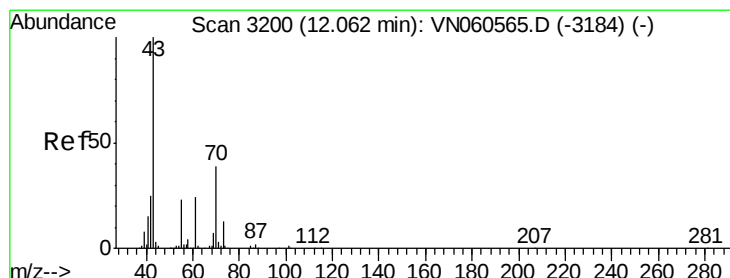
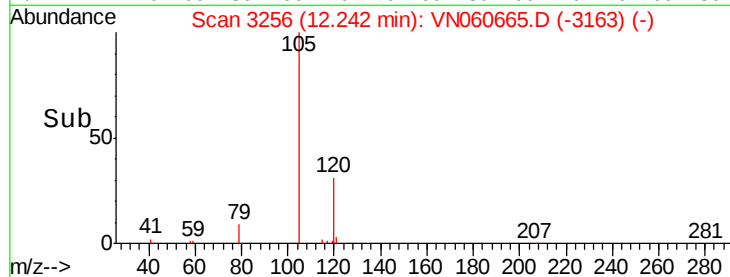
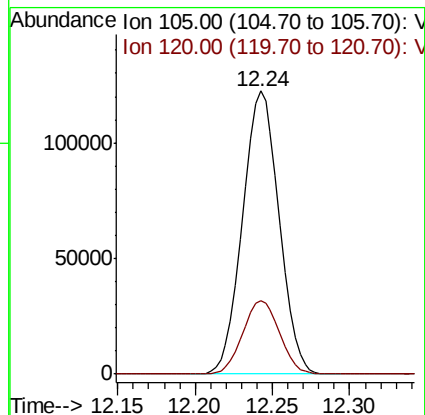
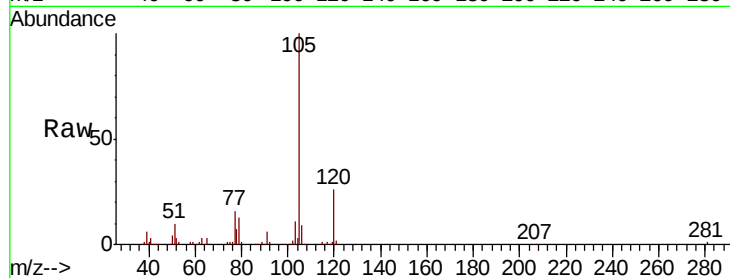
ClientSampled :

Tot Ion: 105 Resp: 200951

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1



#74

N-ethyl acetate

Concen: 20.050 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Tgt Ion: 43 Resp: 92473

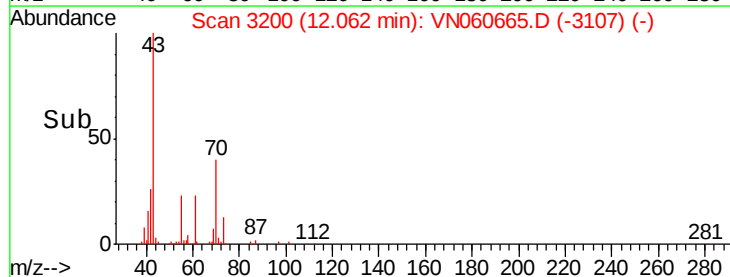
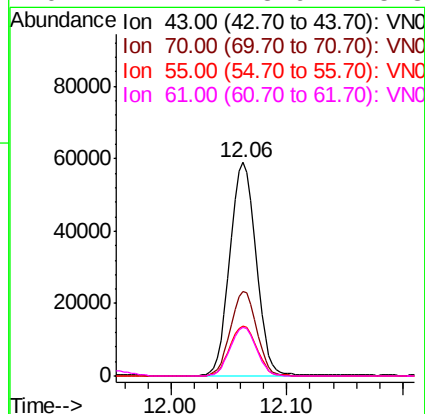
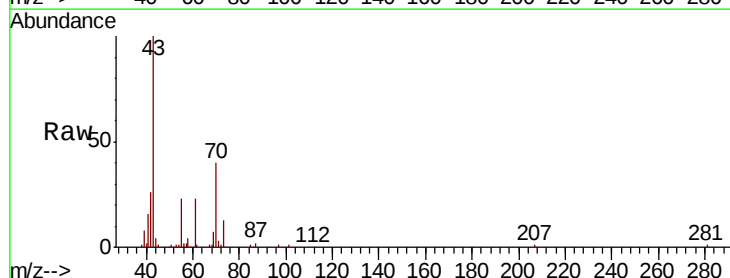
Ion Ratio Lower Upper

43 100

70 39.0 31.1 46.7

55 23.9 18.6 27.8

61 22.7 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.280 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

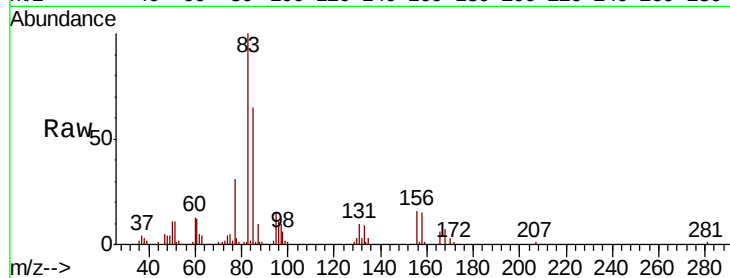
Tot Ion: 83 Resp: 61212

Ion Ratio Lower Upper

83 100

131 9.4 4.9 14.7

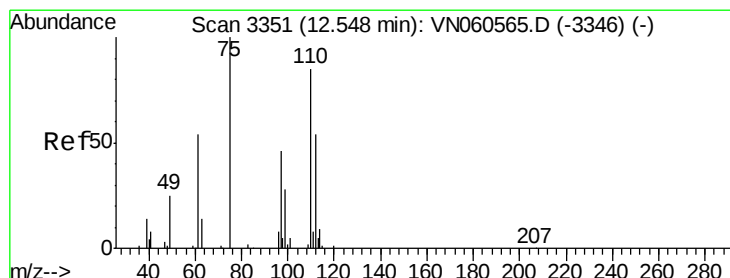
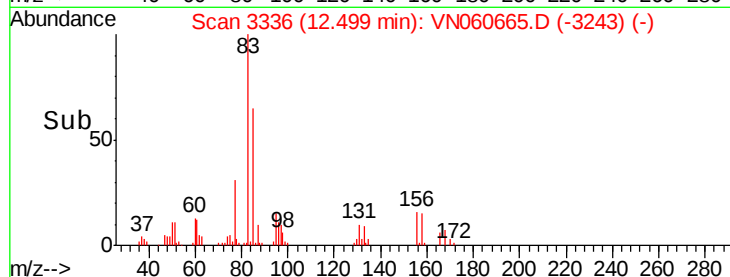
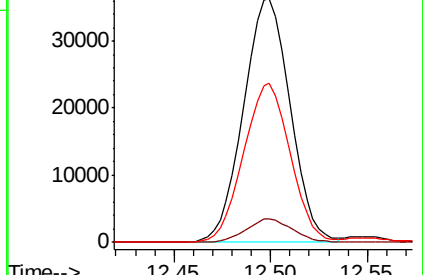
85 64.9 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060665.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060665.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060665.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 29.178 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060665.D

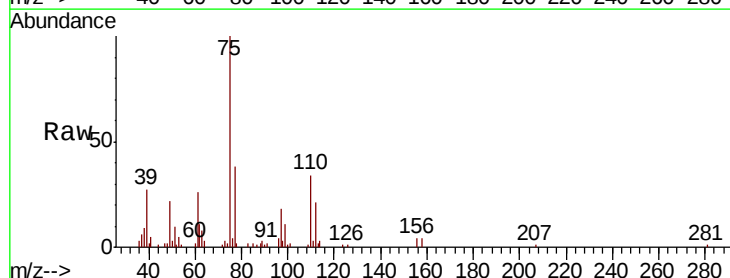
Acq: 24 Mar 2020 12:34

Tgt Ion: 75 Resp: 83736

Ion Ratio Lower Upper

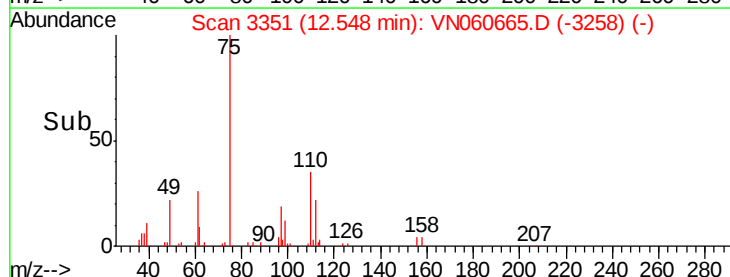
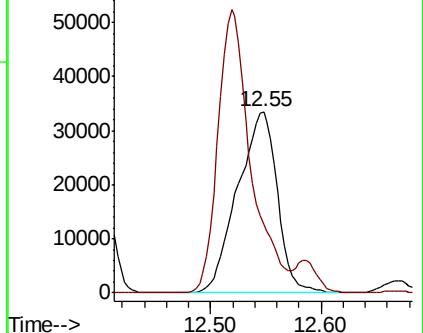
75 100

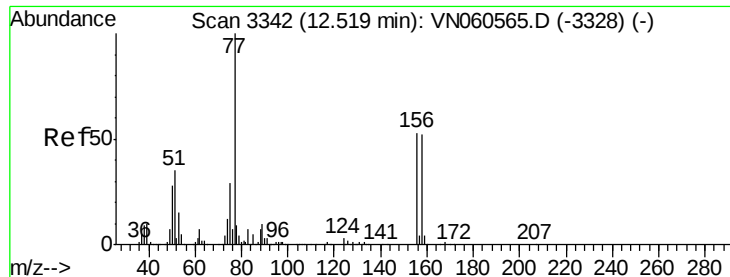
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060665.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060665.D (-3346) (-)





#77

Bromobenzene

Concen: 20.069 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

ClientSampled :

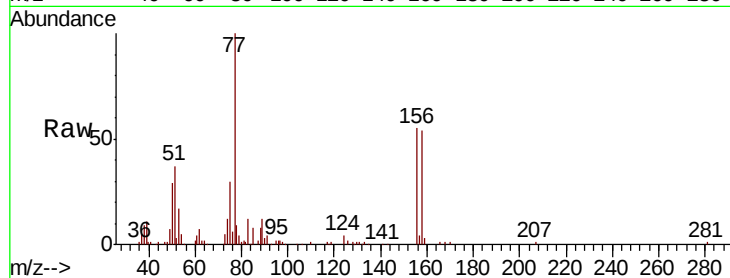
Tot Ion:156 Resp: 48267

Ion Ratio Lower Upper

156 100

77 224.2 112.3 337.0

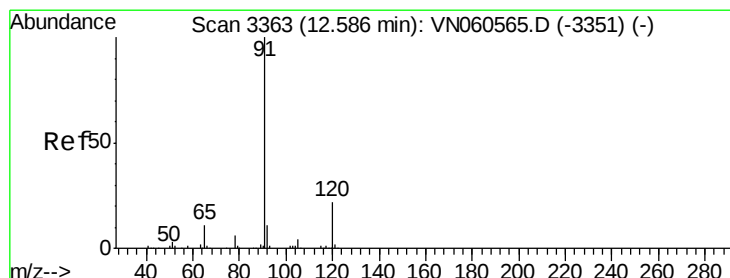
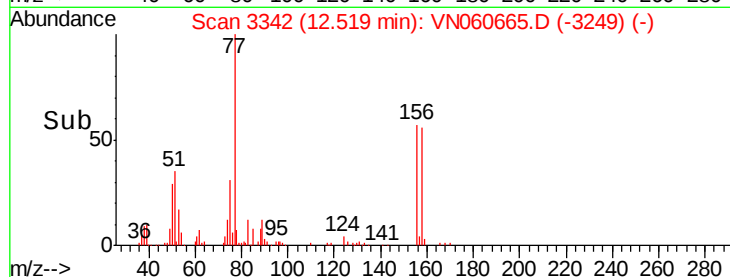
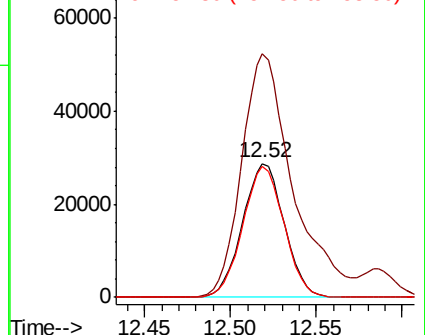
158 96.7 48.6 145.8



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: 19.953 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060665.D

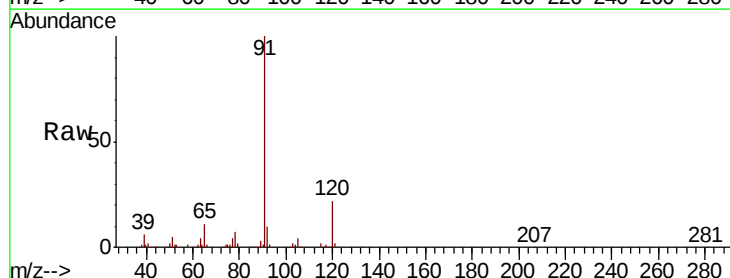
Acq: 24 Mar 2020 12:34

Tgt Ion: 91 Resp: 235276

Ion Ratio Lower Upper

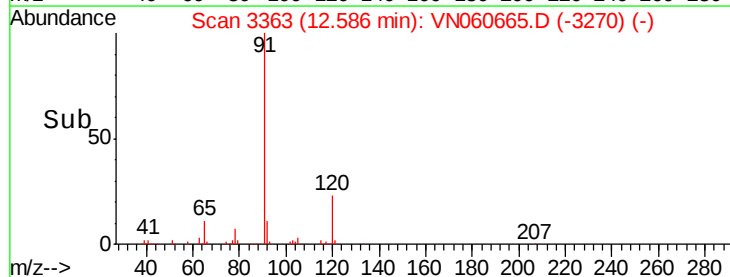
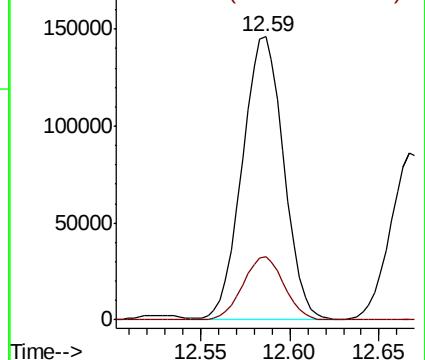
91 100

120 22.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.853 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

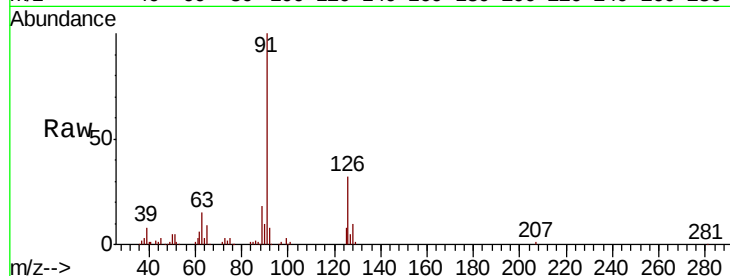
ClientSampleId :

Tot Ion: 91 Resp: 139878

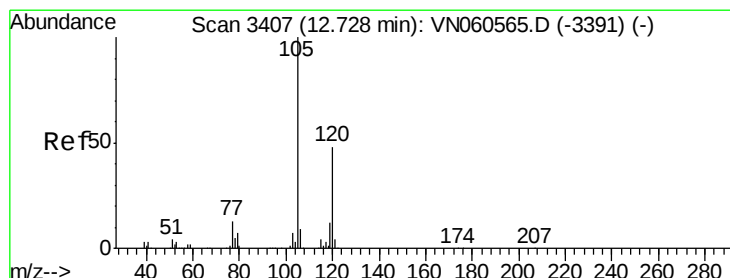
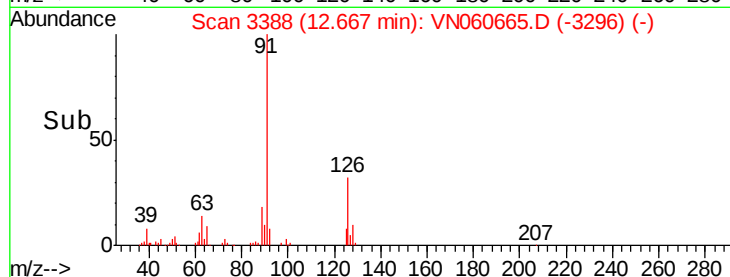
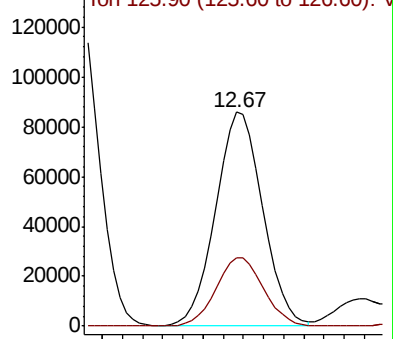
Ion Ratio Lower Upper

91 100

126 32.2 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.867 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060665.D

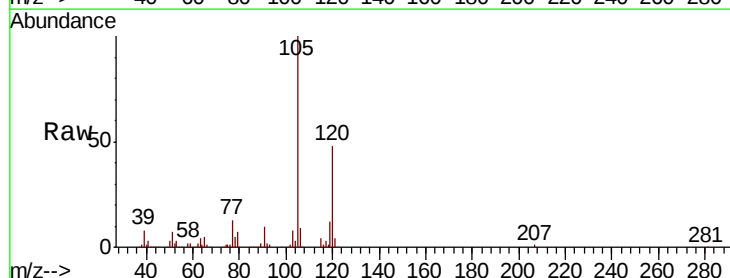
Acq: 24 Mar 2020 12:34

Tgt Ion:105 Resp: 168270

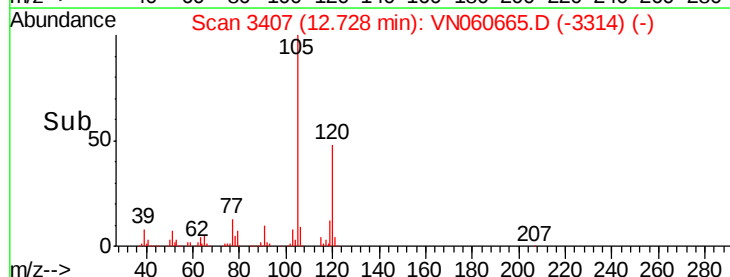
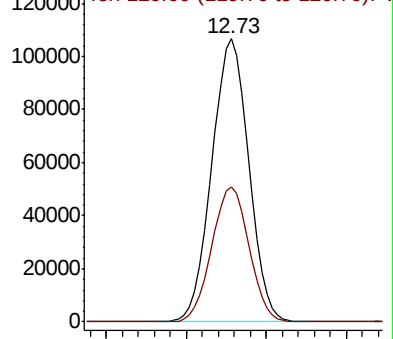
Ion Ratio Lower Upper

105 100

120 48.1 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060565.D (-3391) (-)

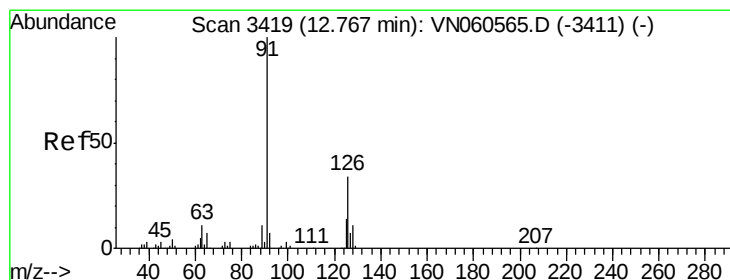
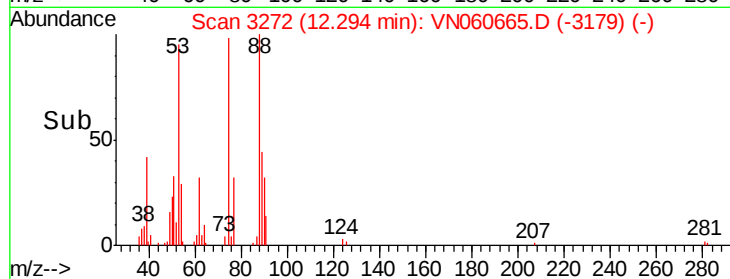
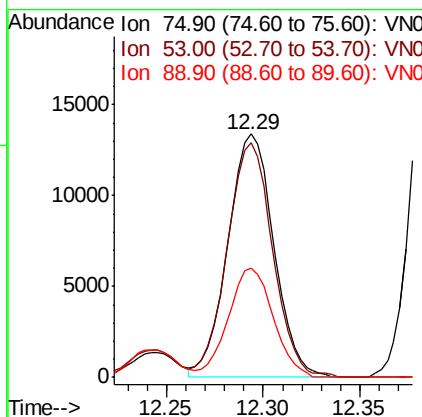
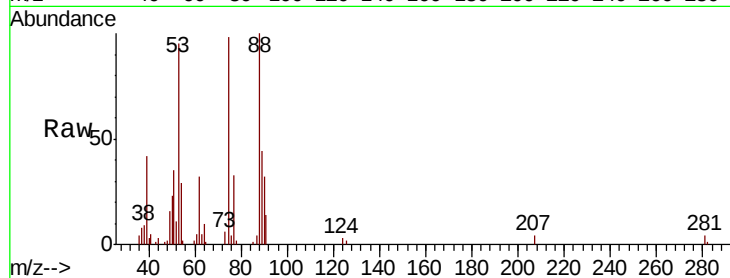




#81
trans-1,4-Dichloro-2-butene
Concen: 19.835 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

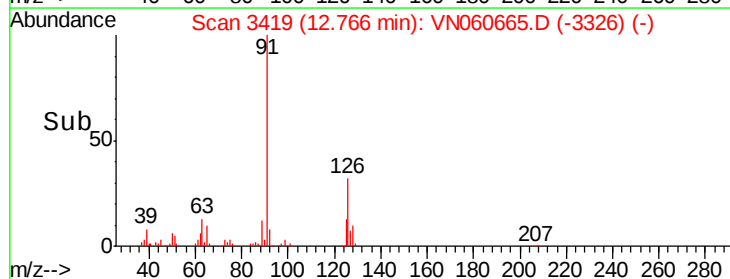
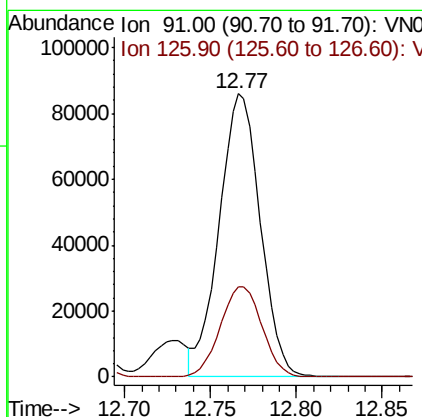
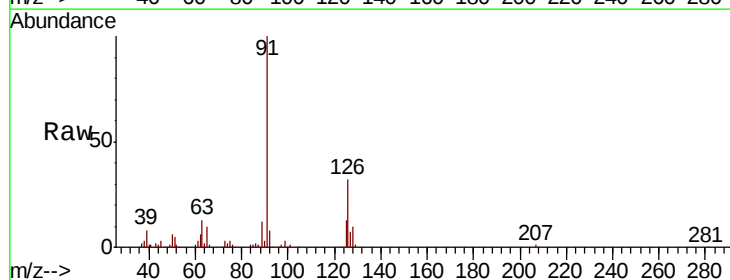
Instrument :
MSVOA_N
ClientSampleId :

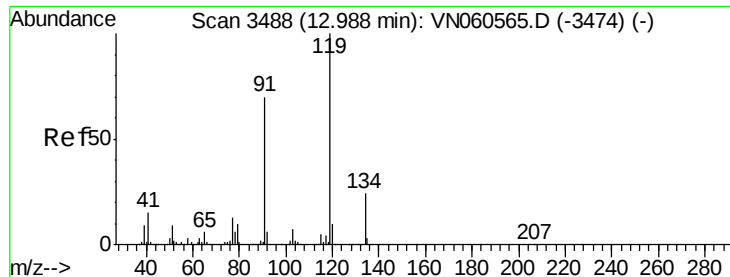
Tot Ion: 75 Resp: 22164
Ion Ratio Lower Upper
75 100
53 95.3 73.0 109.4
89 43.9 34.8 52.2



#82
4-Chlorotoluene
Concen: 20.003 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion: 91 Resp: 143541
Ion Ratio Lower Upper
91 100
126 32.5 16.2 48.5

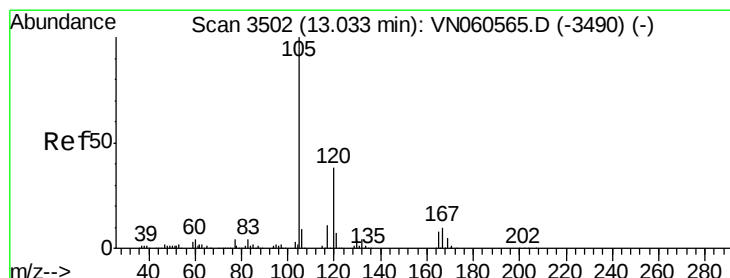
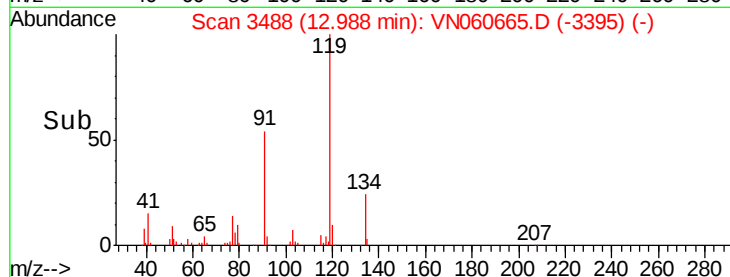
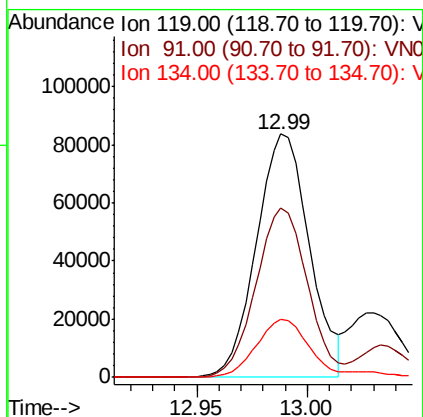
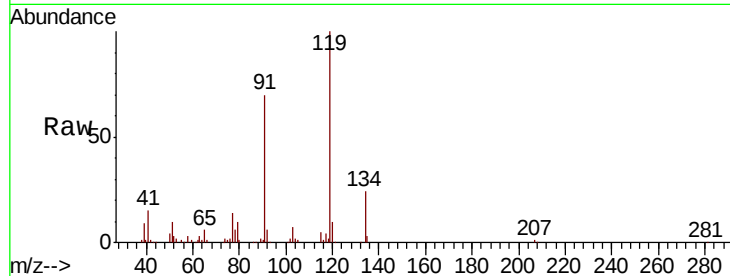




#83
 tert-Butylbenzene
 Concen: 19.837 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060665.D
 Acq: 24 Mar 2020 12:34

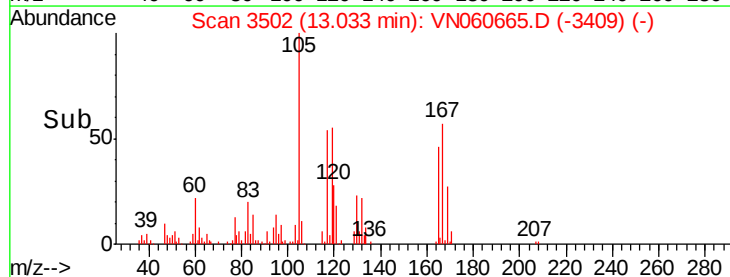
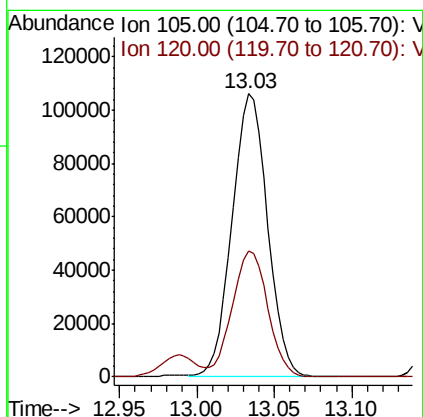
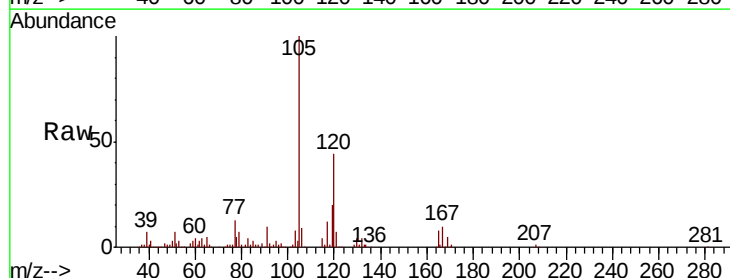
Instrument :
 MSVOA_N
 ClientSampled :

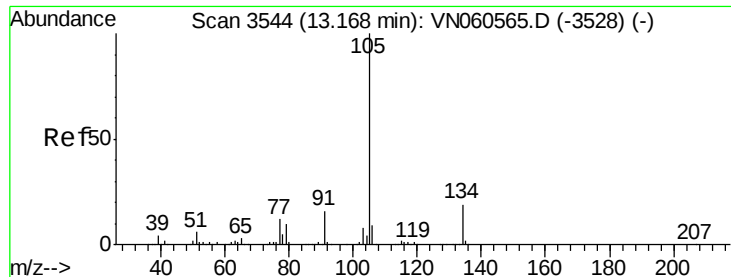
Tot Ion:119 Resp: 139282
 Ion Ratio Lower Upper
 119 100
 91 68.1 34.0 101.8
 134 23.7 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.159 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060665.D
 Acq: 24 Mar 2020 12:34

Tgt Ion:105 Resp: 168926
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.1 66.5





#85

sec-Butylbenzene

Concen: 19.868 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

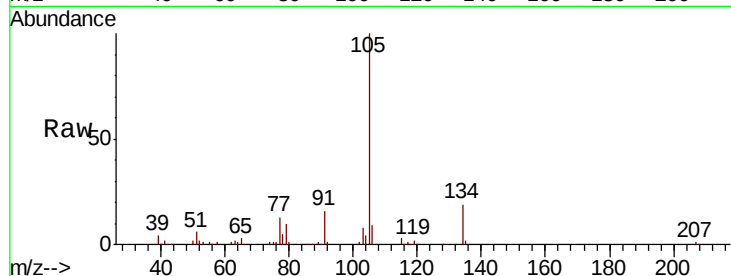
ClientSampleId :

Tot Ion:105 Resp: 187592

Ion Ratio Lower Upper

105 100

134 19.4 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

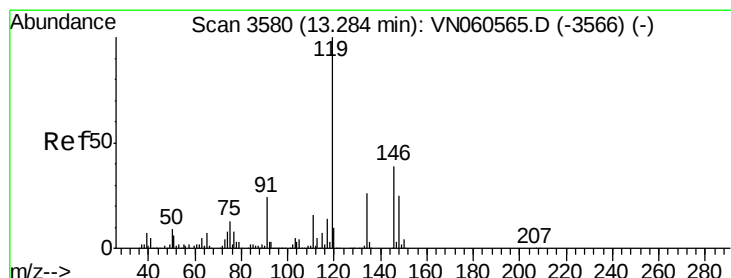
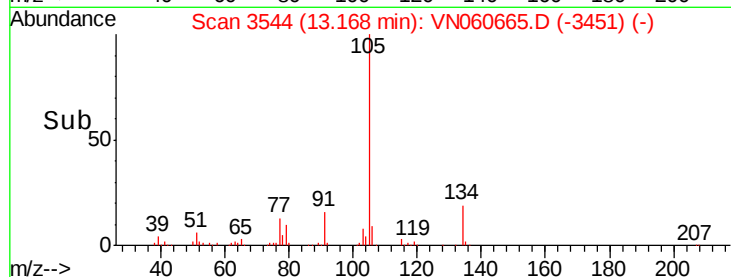
13.17

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.937 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

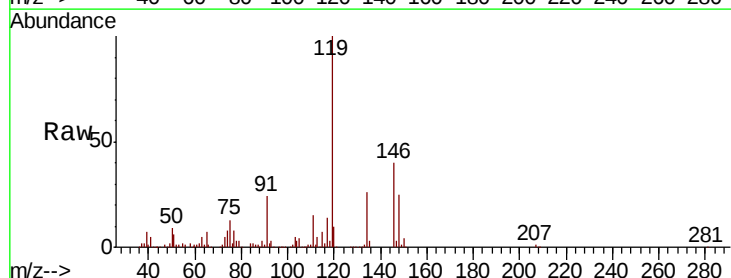
Tgt Ion:119 Resp: 169274

Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

91 23.7 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

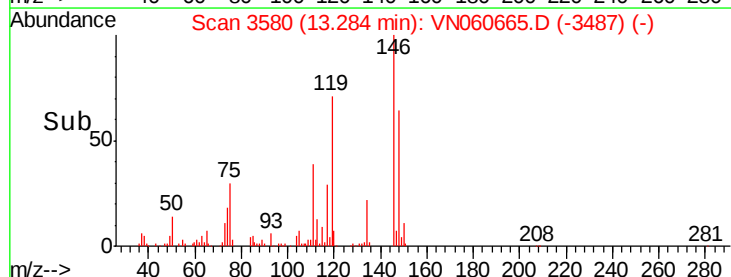
150000

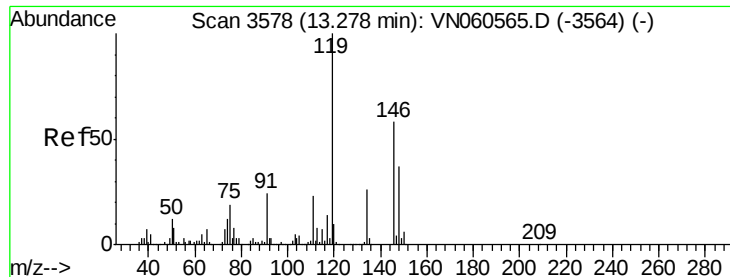
100000

50000

0

Time-->

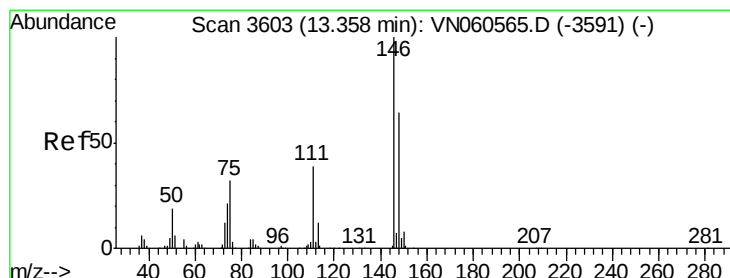
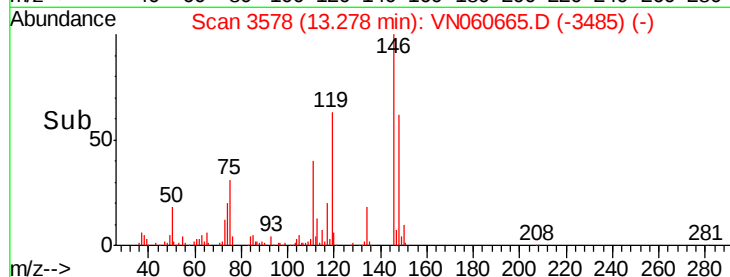
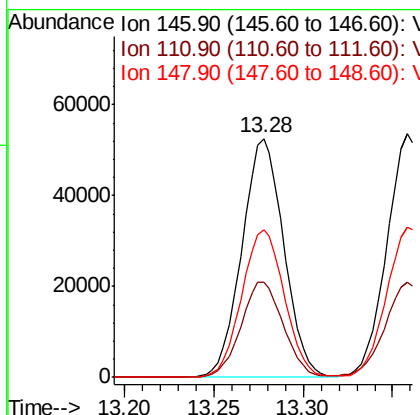
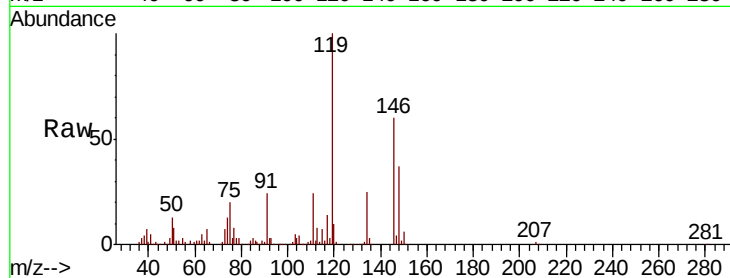




#87
 1,3-Dichlorobenzene
 Concen: 20.369 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060665.D
 Acq: 24 Mar 2020 12:34

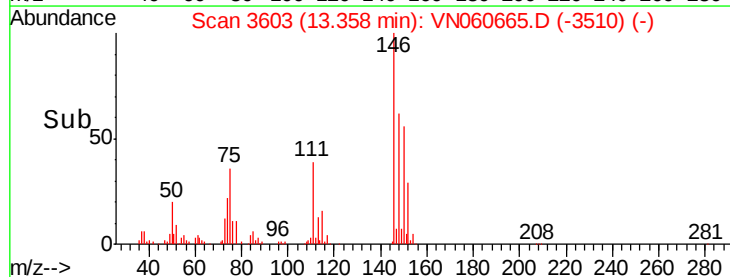
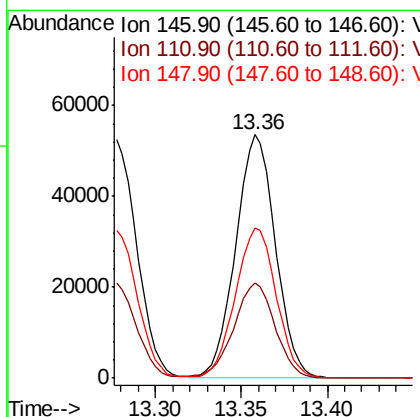
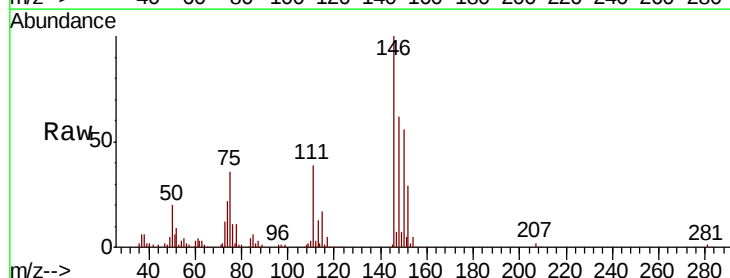
Instrument :
 MSVOA_N
 ClientSampleId :

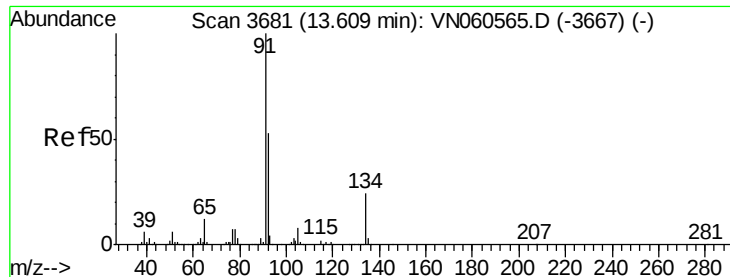
Tot Ion:146 Resp: 86402
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.3 60.8
 148 63.0 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 20.194 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060665.D
 Acq: 24 Mar 2020 12:34

Tgt Ion:146 Resp: 86060
 Ion Ratio Lower Upper
 146 100
 111 40.6 19.6 58.7
 148 63.4 32.1 96.3

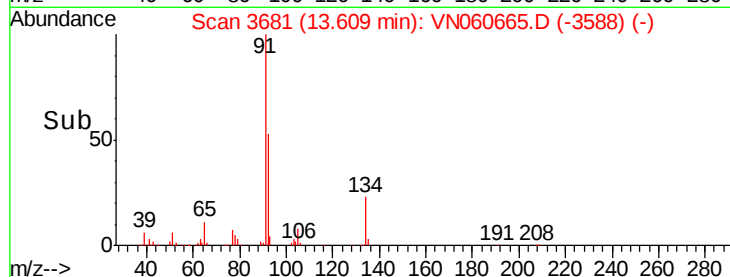
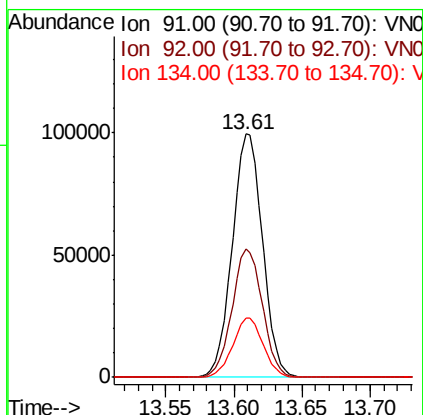
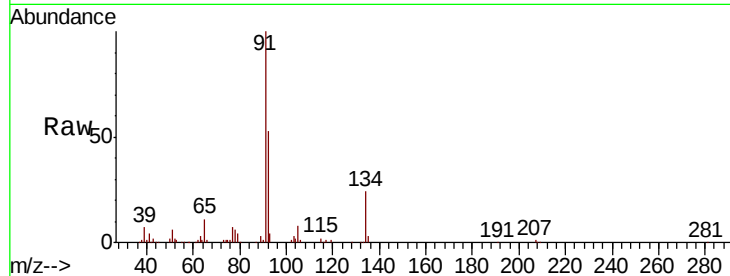




#89
n-Butylbenzene
Concen: 20.016 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

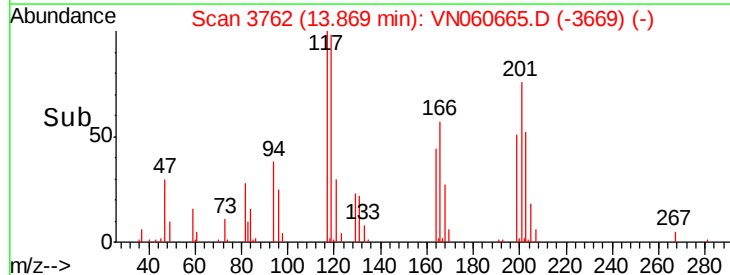
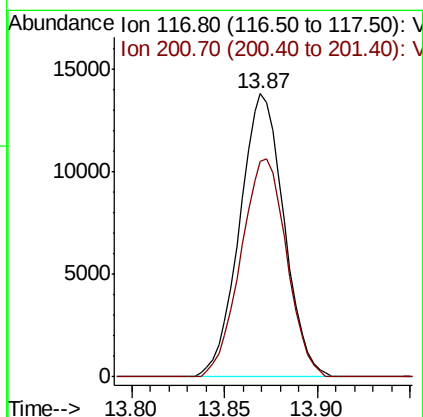
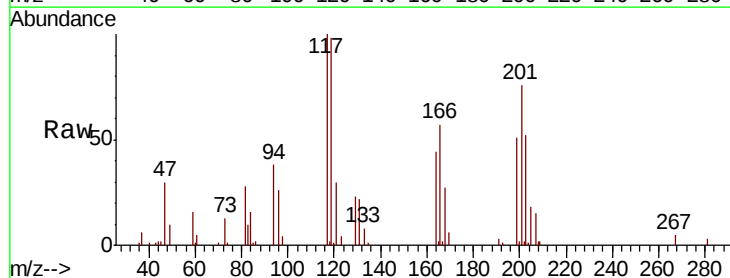
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 153428
Ion Ratio Lower Upper
91 100
92 52.7 26.2 78.5
134 24.4 12.3 36.9



#90
Hexachloroethane
Concen: 18.646 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060665.D
Acq: 24 Mar 2020 12:34

Tgt Ion: 117 Resp: 23011
Ion Ratio Lower Upper
117 100
201 79.6 40.8 122.5

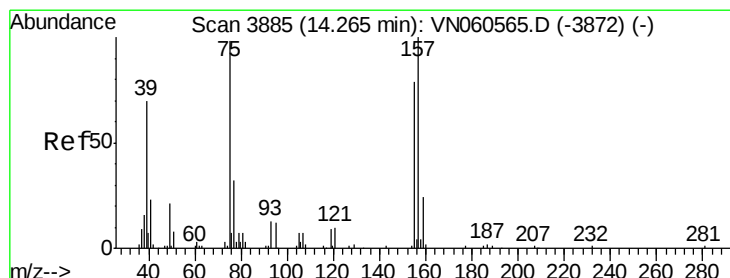
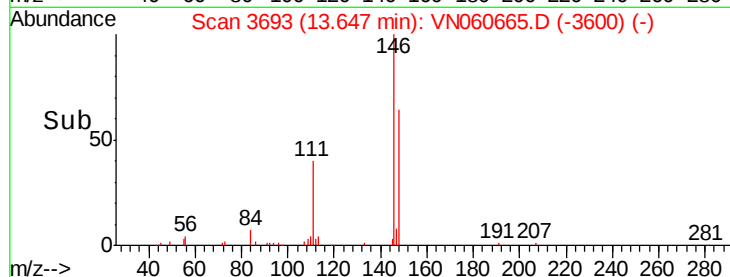
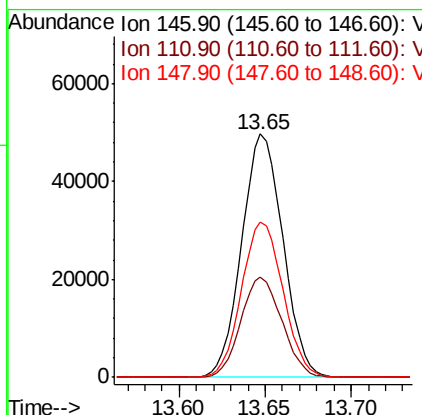
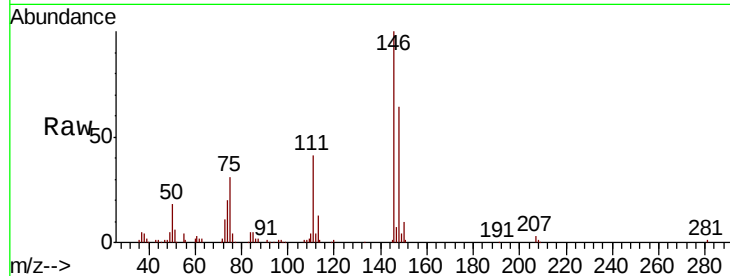




#91
 1,2-Dichlorobenzene
 Concen: 20.441 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060665.D
 Acq: 24 Mar 2020 12:34

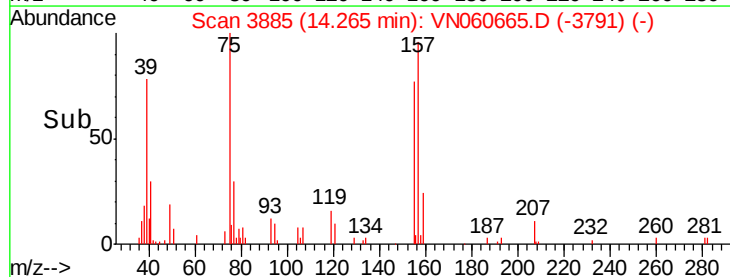
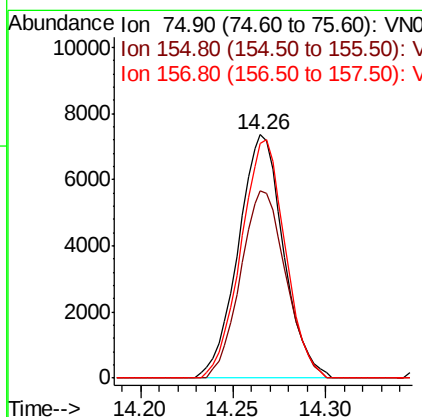
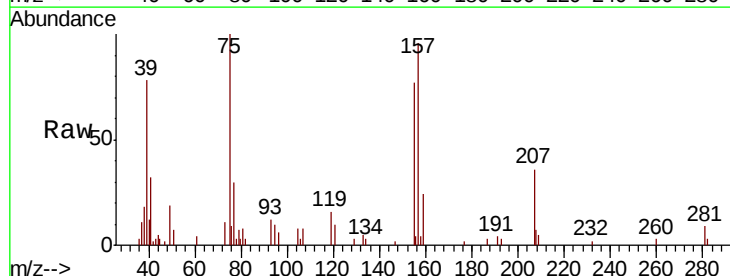
Instrument :
 MSVOA_N
 ClientSampleId :

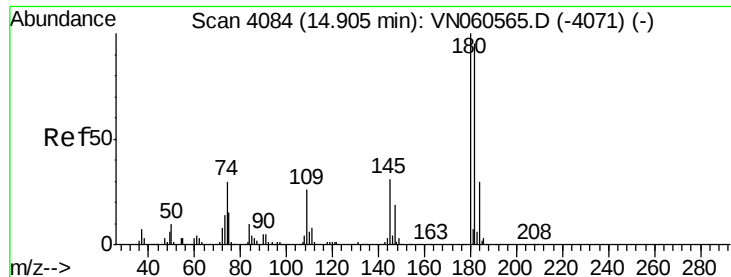
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.0	63.0
148	64.2	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.546 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060665.D
 Acq: 24 Mar 2020 12:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	40.7	122.1
157	95.5	51.5	154.7

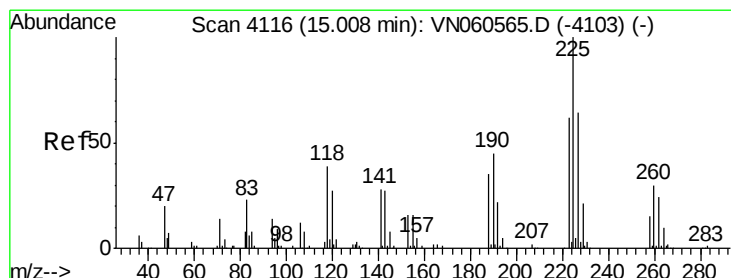
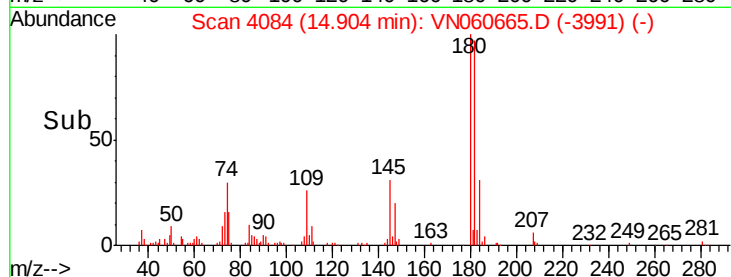
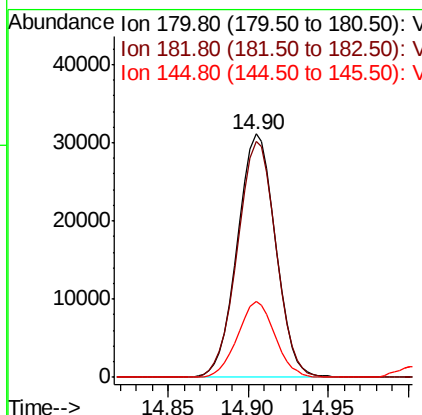
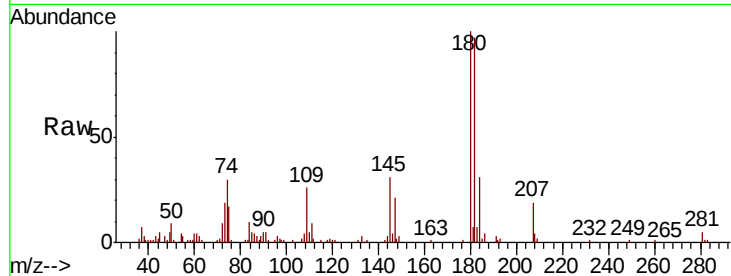




#93
 1,2,4-Trichlorobenzene
 Concen: 20.281 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060665.D
 Acq: 24 Mar 2020 12:34

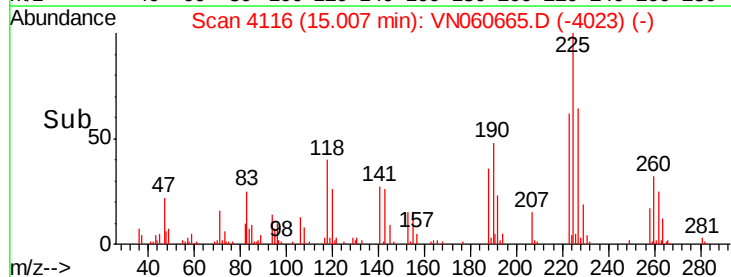
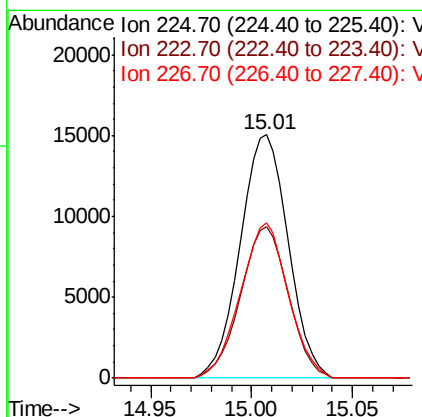
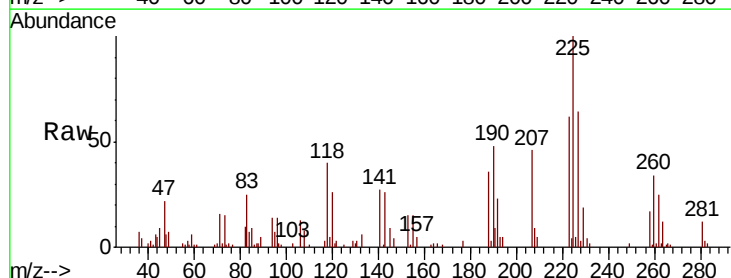
Instrument :
 MSVOA_N
 ClientSampled :

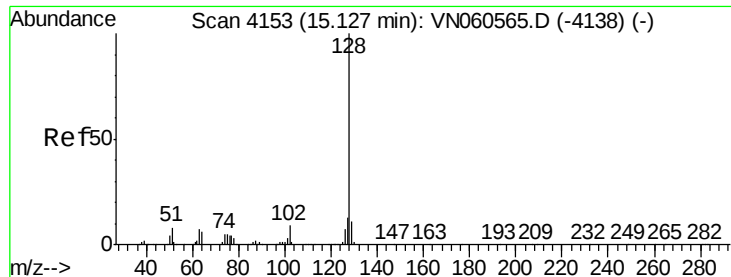
Tot Ion:180 Resp: 50514
 Ion Ratio Lower Upper
 180 100
 182 97.3 47.9 143.8
 145 30.5 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 20.552 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060665.D
 Acq: 24 Mar 2020 12:34

Tgt Ion:225 Resp: 25094
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.6 95.0
 227 63.3 32.3 96.8





#95

Naphthalene

Concen: 20.546 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060665.D

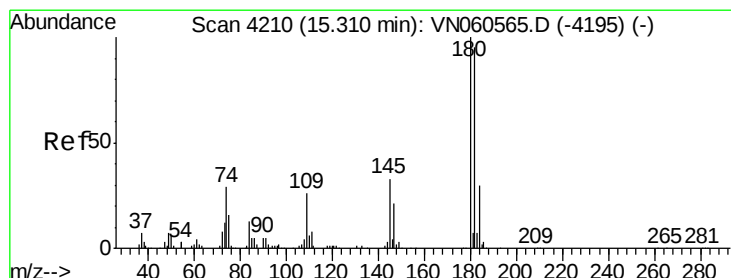
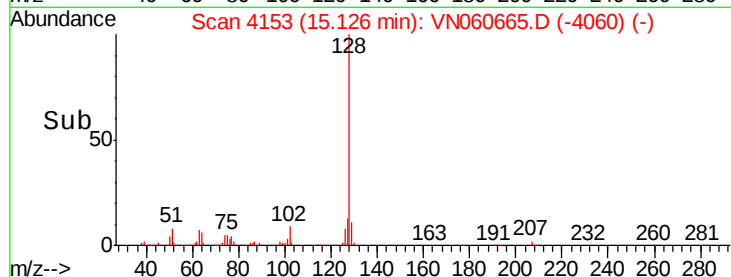
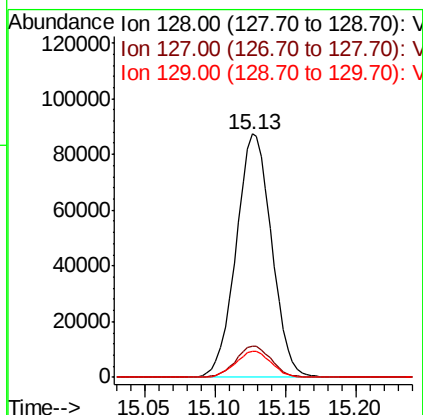
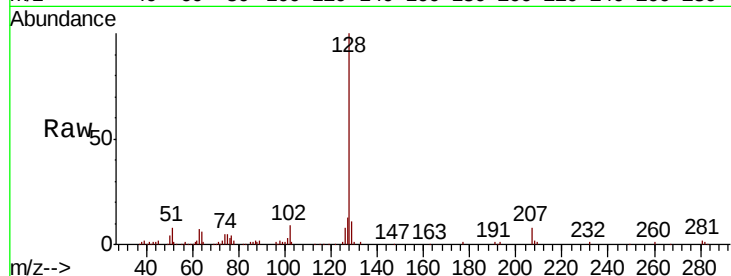
Acq: 24 Mar 2020 12:34

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	128	Resp:	153922
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.8	8.8	13.2



#96

1,2,3-Trichlorobenzene

Concen: 20.389 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060665.D

Acq: 24 Mar 2020 12:34

Tgt Ion:	180	Resp:	50021
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	32.4	16.3	48.8

