

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\
 Data File : VN060512.D
 Acq On : 13 Mar 2020 18:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 16 04:31:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	330173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	307848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149466	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	123940	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
35) Dibromofluoromethane	7.57	113	92913	60.63	ug/l	0.00
Spiked Amount			Recovery	=	121.26%	
50) Toluene-d8	10.08	98	368472	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
62) 4-Bromofluorobenzene	12.40	95	142967	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	68124	38.029	ug/l	100
3) Chloromethane	2.04	50	131431	42.141	ug/l	100
4) Vinyl Chloride	2.16	62	103921	38.852	ug/l	100
5) Bromomethane	2.54	94	43092	39.521	ug/l	99
6) Chloroethane	2.68	64	62317	43.001	ug/l	99
7) Trichlorofluoromethane	3.00	101	144938	42.412	ug/l	99
8) Diethyl Ether	3.38	74	59701	46.269	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84559	43.721	ug/l	100
10) Methyl Iodide	3.93	142	56199	31.839	ug/l	100
11) Tert butyl alcohol	4.72	59	89672	240.905	ug/l	99
12) 1,1-Dichloroethene	3.72	96	84368	44.938	ug/l	99
13) Acrolein	3.58	56	94041	270.811	ug/l	99
14) Allyl chloride	4.29	41	151834	43.870	ug/l	96
15) Acrylonitrile	4.94	53	262600	267.651	ug/l	99
16) Acetone	3.78	43	212939	263.041	ug/l	100
17) Carbon Disulfide	4.03	76	201711	40.358	ug/l	100
18) Methyl Acetate	4.28	43	138660	51.326	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	329954	48.414	ug/l	97
20) Methylene Chloride	4.52	84	102062	45.907	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	90139	44.649	ug/l	96
22) Diisopropyl ether	5.92	45	360808	51.466	ug/l	99
23) Vinyl Acetate	5.86	43	1421168	255.110	ug/l	99
24) 1,1-Dichloroethane	5.82	63	193065	48.650	ug/l	99
25) 2-Butanone	6.80	43	351867	269.098	ug/l	100
26) 2,2-Dichloropropane	6.80	77	150634	41.695	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	112819	43.763	ug/l	98
28) Bromochloromethane	7.17	49	79347	48.698	ug/l	94
29) Tetrahydrofuran	7.18	42	235103	258.565	ug/l	97
30) Chloroform	7.35	83	190231	48.154	ug/l	99
31) Cyclohexane	7.63	56	157928	46.542	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	162801	46.512	ug/l	100
36) 1,1-Dichloropropene	7.77	75	135967	43.209	ug/l	100
37) Ethyl Acetate	6.90	43	150797	50.611	ug/l	99
38) Carbon Tetrachloride	7.75	117	129615	42.307	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	149581	40.317	ug/l	98
40) Benzene	8.02	78	413726	45.173	ug/l	98
41) Methacrylonitrile	7.18	41	216733	157.536	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	151210	45.752	ug/l	99
43) Isopropyl Acetate	8.14	43	260433	49.928	ug/l	99
44) Trichloroethene	8.82	130	106983	41.942	ug/l	100
45) 1,2-Dichloropropane	9.10	63	116287	48.563	ug/l	99
46) Dibromomethane	9.19	93	70957	45.668	ug/l	98
47) Bromodichloromethane	9.39	83	152745	48.336	ug/l	99
48) Methyl methacrylate	9.18	41	115052	48.369	ug/l	98
49) 1,4-Dioxane	9.18	88	29087	869.558	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	770768	260.615	ug/l	99
52) Toluene	10.14	92	258979	45.015	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	173208	44.732	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	182970	45.602	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	105141	45.445	ug/l	98
56) Ethyl methacrylate	10.42	69	168692	50.752	ug/l	97
57) 1,3-Dichloropropane	10.70	76	182768	48.441	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	412451	237.261	ug/l	98
59) 2-Hexanone	10.74	43	556600	256.325	ug/l	100
60) Dibromochloromethane	10.89	129	114469	48.652	ug/l	99
61) 1,2-Dibromoethane	10.99	107	105447	46.754	ug/l	97
64) Tetrachloroethene	10.62	164	101483	41.632	ug/l	99
65) Chlorobenzene	11.43	112	271797	43.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	104690	45.549	ug/l	99
67) Ethyl Benzene	11.50	91	504458	44.562	ug/l	99
68) m/p-Xylenes	11.62	106	372905	87.310	ug/l	99
69) o-Xylene	11.94	106	181324	44.521	ug/l	100
70) Styrene	11.96	104	304663	45.498	ug/l	99
71) Bromoform	12.12	173	81878	49.429	ug/l #	100
73) Isopropylbenzene	12.24	105	492056	44.416	ug/l	100
74) N-amyl acetate	12.06	43	228624	47.227	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	156551	51.987	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	207774	63.359	ug/l #	100
77) Bromobenzene	12.52	156	119852	44.135	ug/l	97
78) n-propylbenzene	12.59	91	575367	44.308	ug/l	99
79) 2-Chlorotoluene	12.67	91	344029	45.070	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	414156	44.402	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	55603	46.806	ug/l #	84
82) 4-Chlorotoluene	12.77	91	354280	44.052	ug/l	99
83) tert-Butylbenzene	12.99	119	351399	43.513	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	417729	44.371	ug/l	99
85) sec-Butylbenzene	13.17	105	476582	44.070	ug/l	99
86) p-Isopropyltoluene	13.28	119	421614	42.123	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	215258	46.117	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	214905	46.293	ug/l	99
89) n-Butylbenzene	13.61	91	384300	41.825	ug/l	99
90) Hexachloroethane	13.87	117	62079	42.849	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	211044	44.352	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32268	47.318	ug/l	98

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QLast Update : Thu Feb 27 13:52:50 2020
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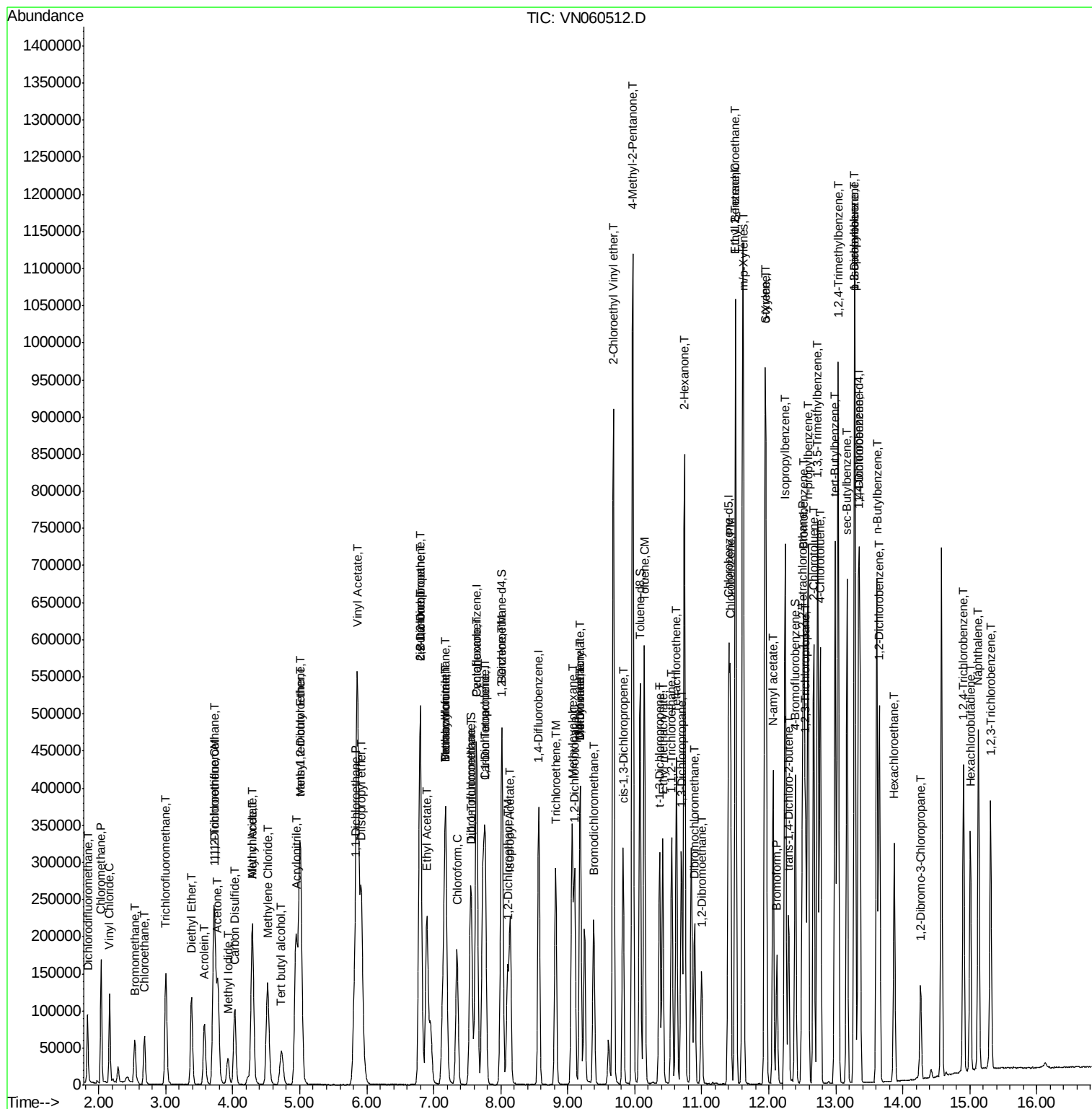
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	132004	43.670	ug/l	99
94) Hexachlorobutadiene	15.01	225	62782	45.115	ug/l	99
95) Naphthalene	15.13	128	386888	43.407	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	123120	43.214	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031320\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

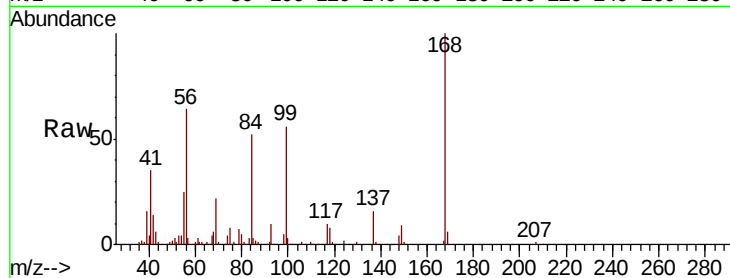
ClientSampleId :

Tot Ion:168 Resp: 195385

Ion Ratio Lower Upper

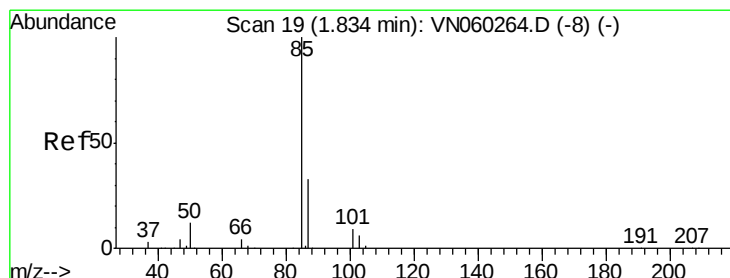
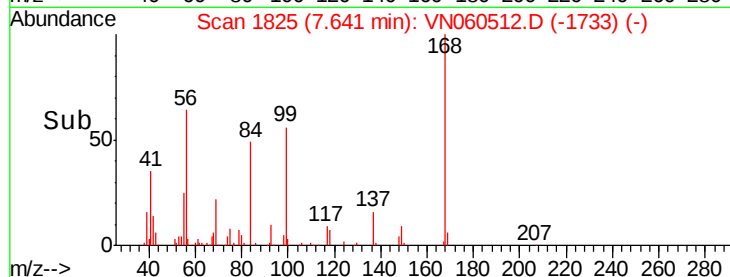
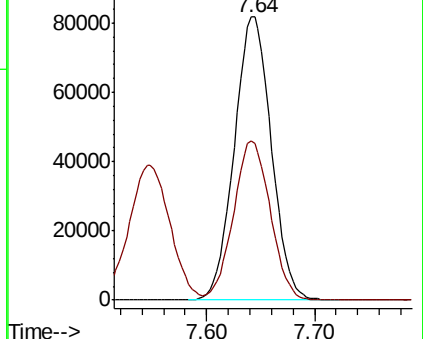
168 100

99 56.3 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 38.029 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060512.D

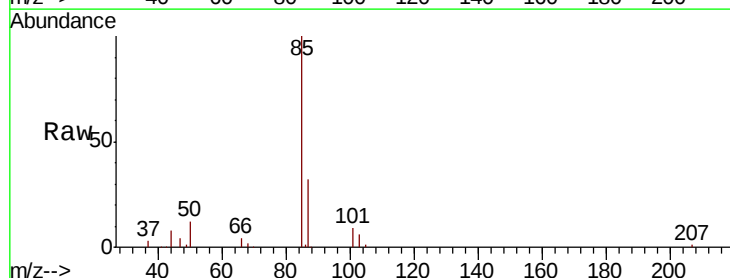
Acq: 13 Mar 2020 18:51

Tgt Ion: 85 Resp: 68124

Ion Ratio Lower Upper

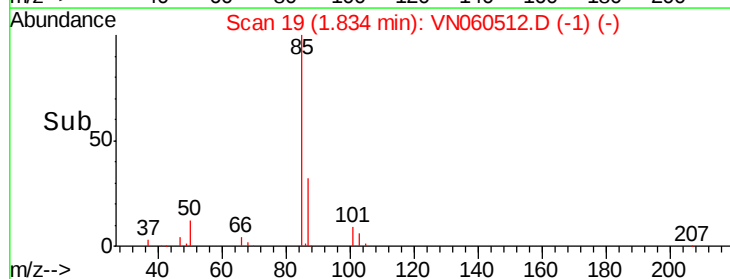
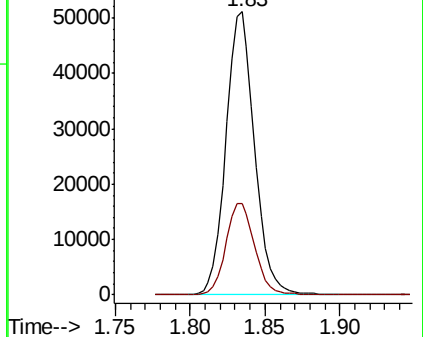
85 100

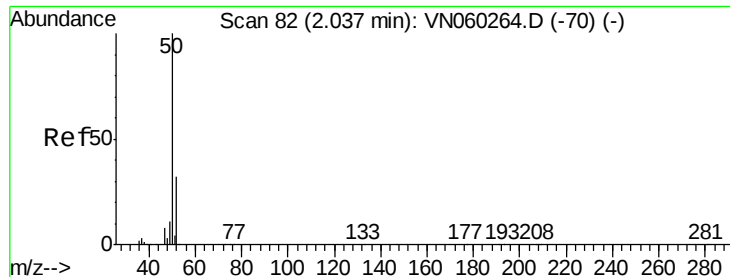
87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

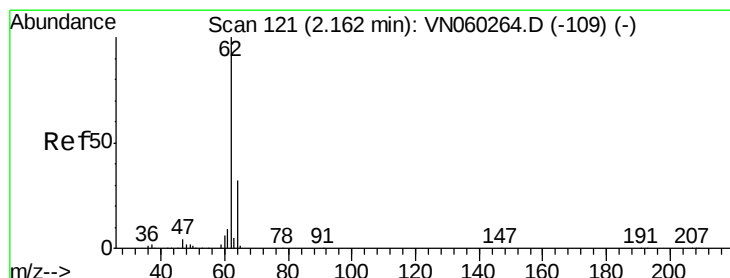
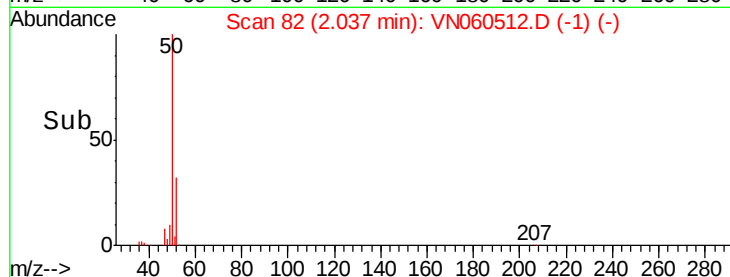
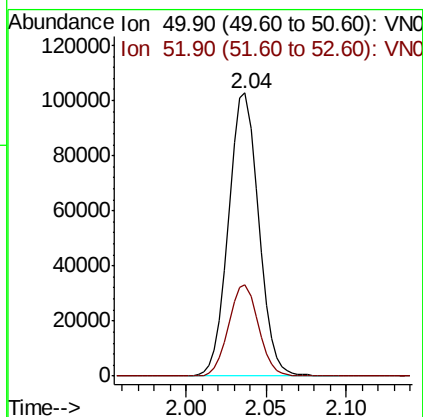
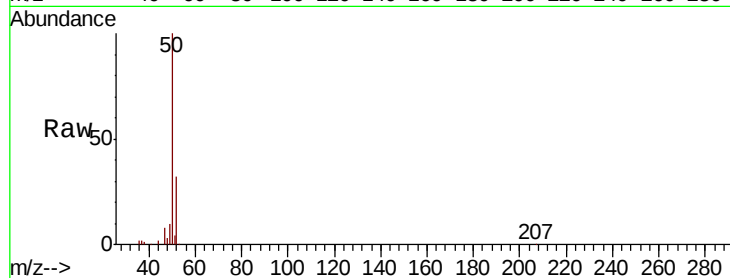




#3
Chloromethane
Concen: 42.141 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

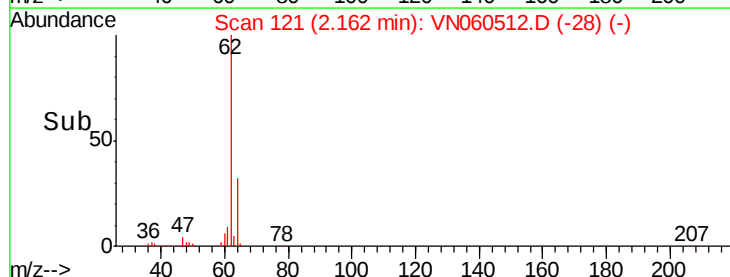
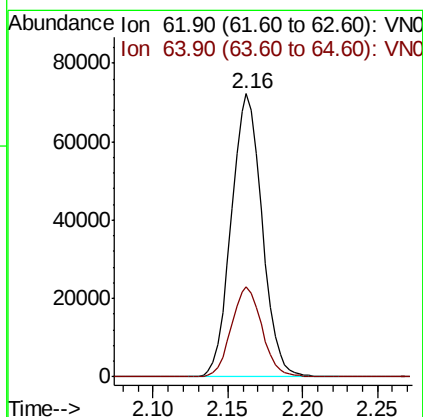
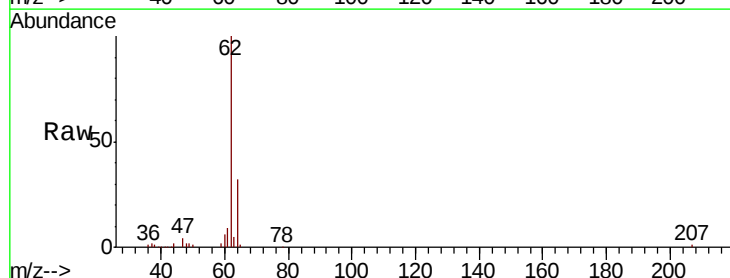
Instrument :
MSVOA_N
ClientSampled :

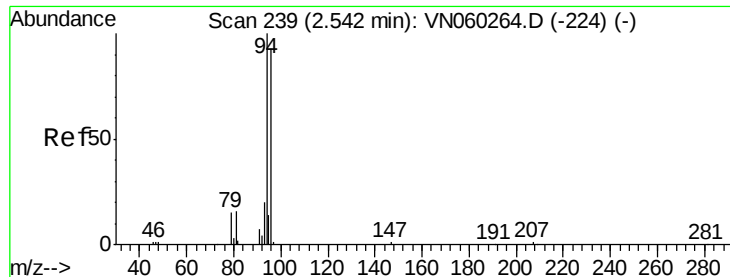
Tot Ion: 50 Resp: 131431
Ion Ratio Lower Upper
50 100
52 32.1 25.6 38.4



#4
Vinyl Chloride
Concen: 38.852 ug/l
RT: 2.16 min Scan# 121
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion: 62 Resp: 103921
Ion Ratio Lower Upper
62 100
64 31.7 25.5 38.3





#5

Bromomethane

Concen: 39.521 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

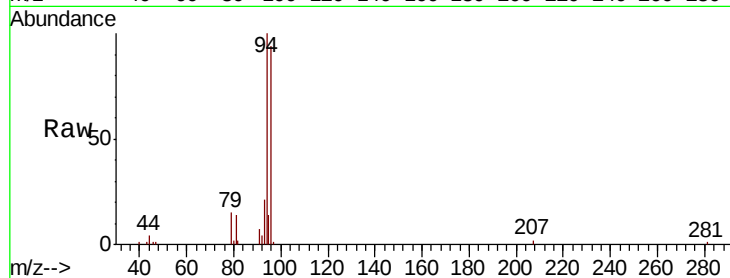
ClientSampleId :

Tot Ion: 94 Resp: 43092

Ion Ratio Lower Upper

94 100

96 93.9 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN060264.D (-224) (-)

Ion 95.90 (95.60 to 96.60): VN060264.D (-224) (-)

25000

20000

15000

10000

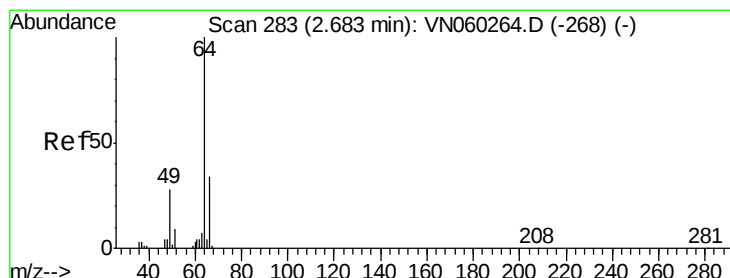
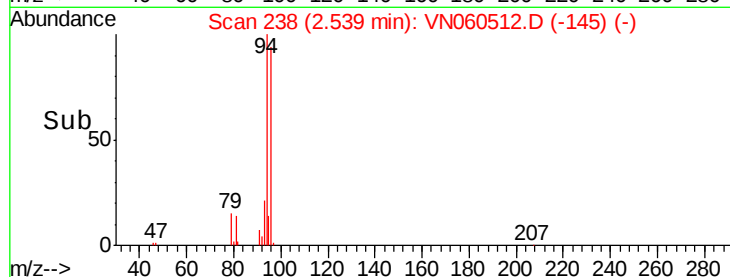
5000

0

Time-->

2.45 2.50 2.55 2.60 2.65

2.54



#6

Chloroethane

Concen: 43.001 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060512.D

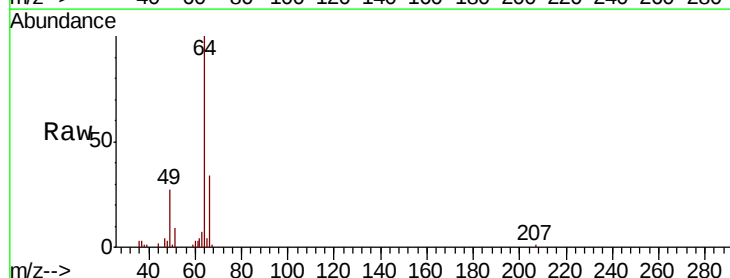
Acq: 13 Mar 2020 18:51

Tgt Ion: 64 Resp: 62317

Ion Ratio Lower Upper

64 100

66 33.9 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN060264.D (-268) (-)

Ion 65.90 (65.60 to 66.60): VN060264.D (-268) (-)

30000

20000

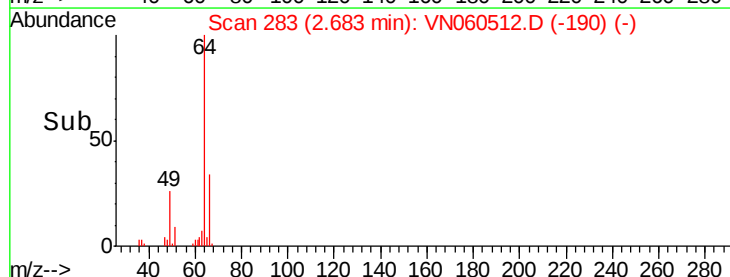
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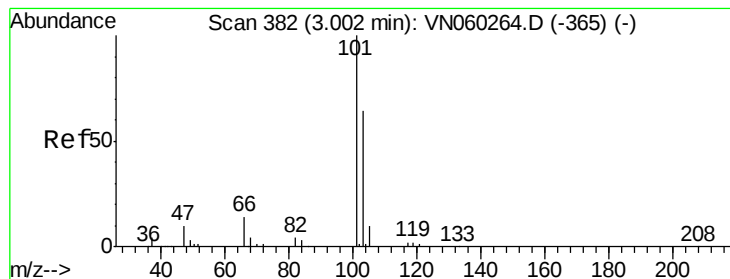
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Time-->

2.60 2.65 2.70 2.75 2.80

2.68



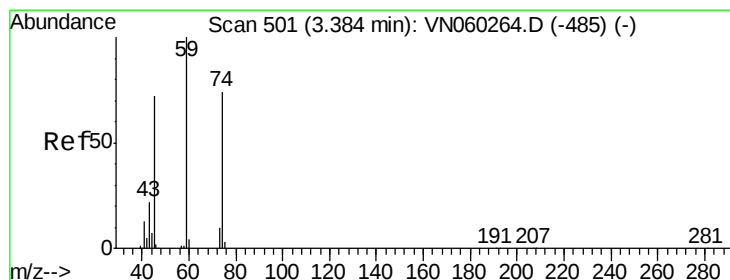
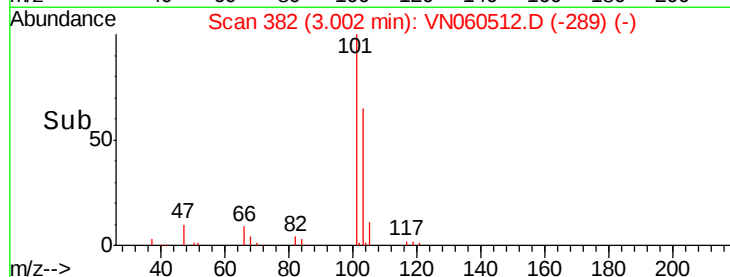
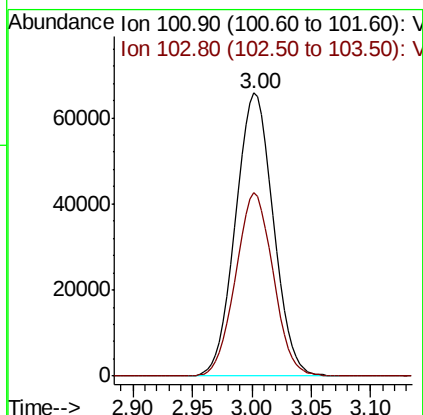
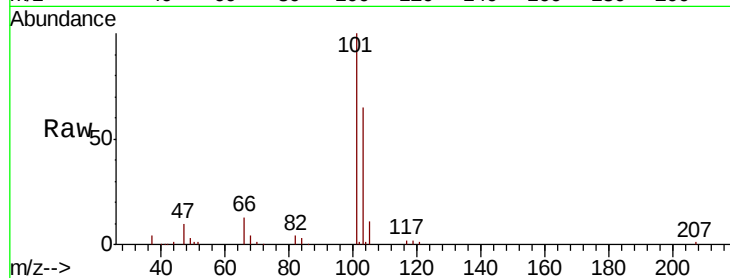


#7

Trichlorofluoromethane
 Concen: 42.412 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Instrument :
 MSVOA_N
 ClientSampled :

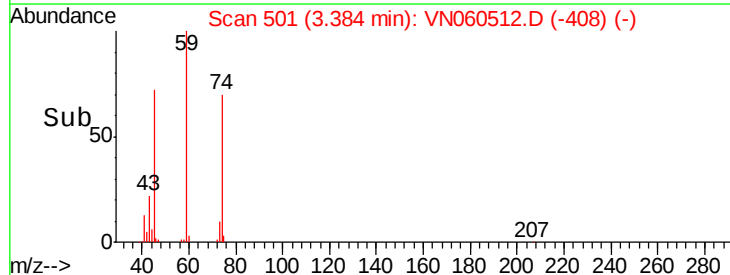
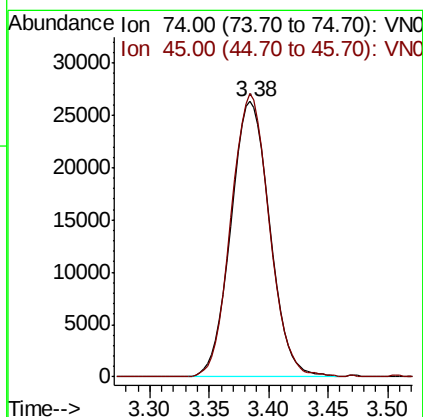
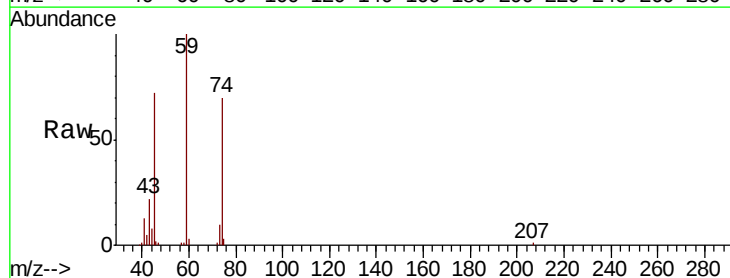
Tot Ion:101 Resp: 144938
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.3 76.9



#8

Diethyl Ether
 Concen: 46.269 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Tgt Ion: 74 Resp: 59701
 Ion Ratio Lower Upper
 74 100
 45 100.9 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.721 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

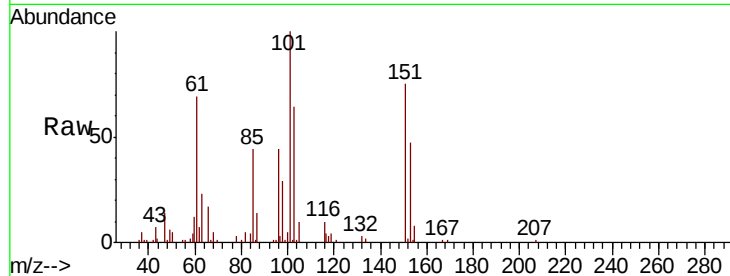
Tot Ion:101 Resp: 84559

Ion Ratio Lower Upper

101 100

85 44.5 35.4 53.2

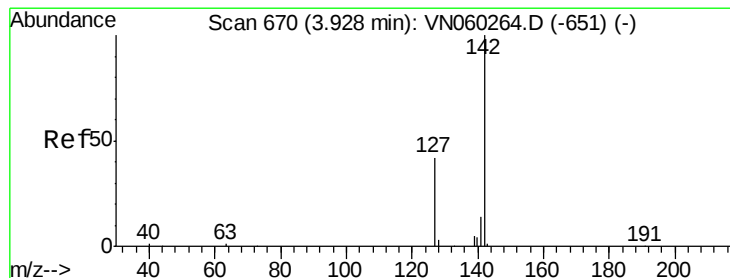
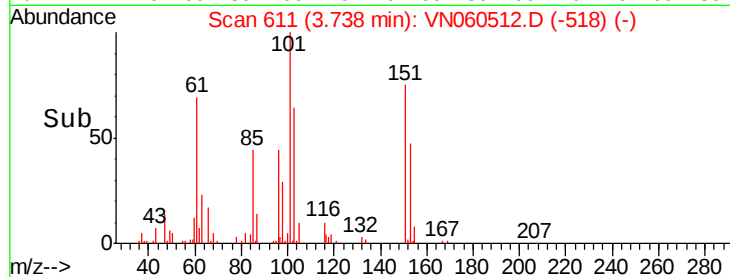
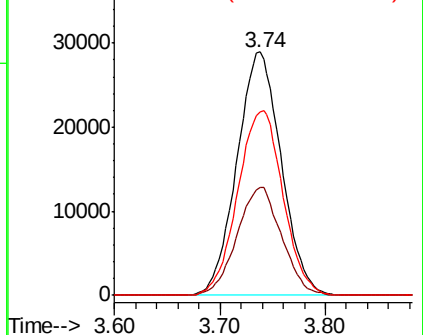
151 77.4 62.0 93.0



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: 31.839 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

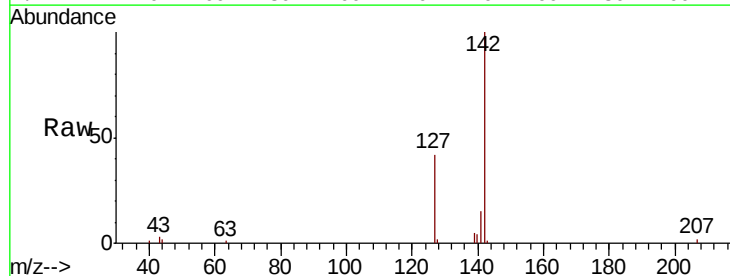
Tgt Ion:142 Resp: 56199

Ion Ratio Lower Upper

142 100

127 42.1 33.8 50.6

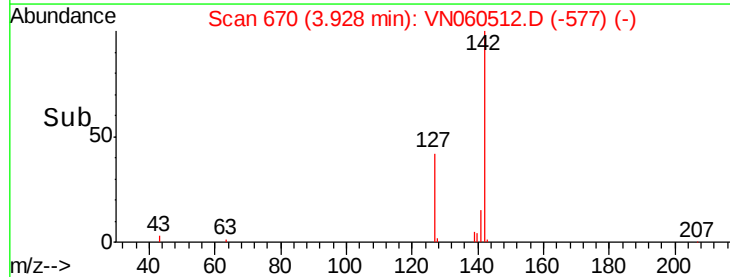
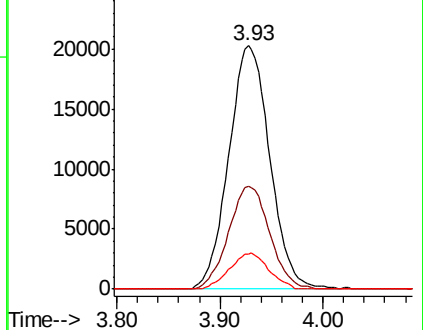
141 14.1 11.1 16.7



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

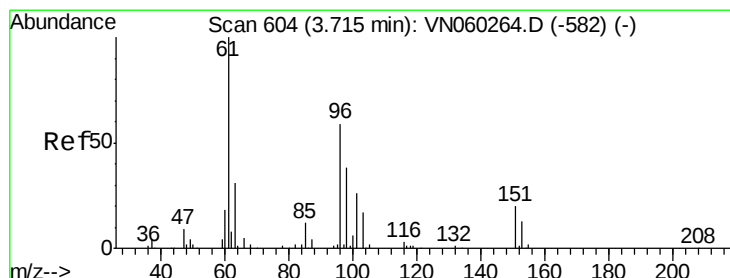
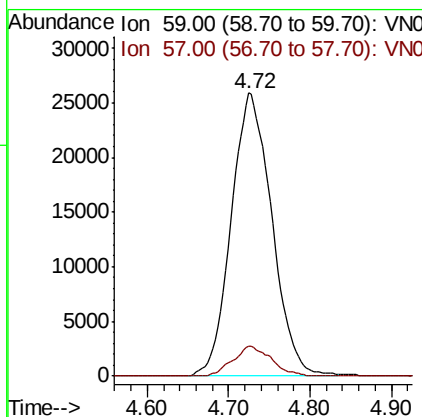
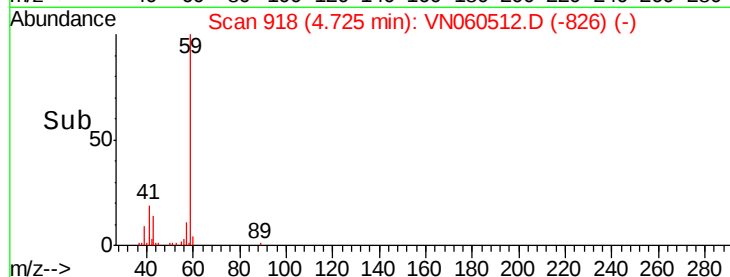
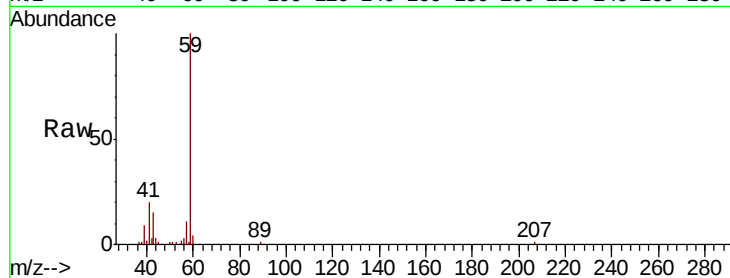




#11
Tert butyl alcohol
Concen: 240.905 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

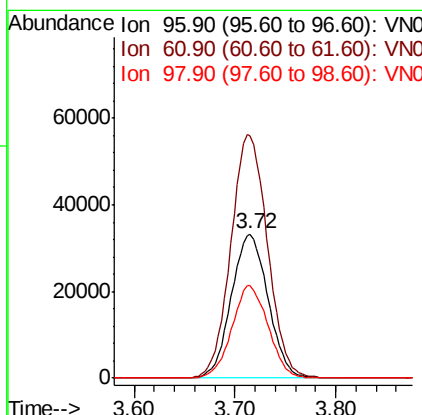
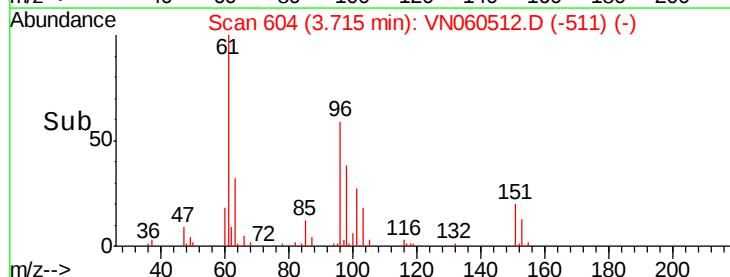
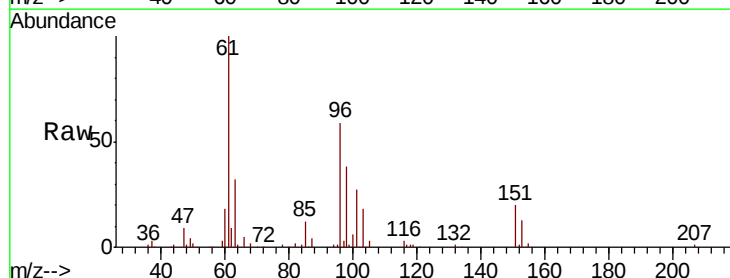
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 59 Resp: 89672
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2



#12
1,1-Dichloroethene
Concen: 44.938 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion: 96 Resp: 84368
Ion Ratio Lower Upper
96 100
61 168.3 135.4 203.0
98 63.8 51.6 77.4





#13

Acrolein

Concen: 270.811 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

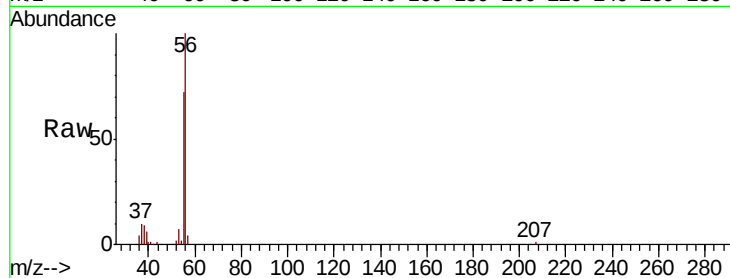
ClientSampleId :

Tot Ion: 56 Resp: 94041

Ion Ratio Lower Upper

56 100

55 70.7 57.4 86.0

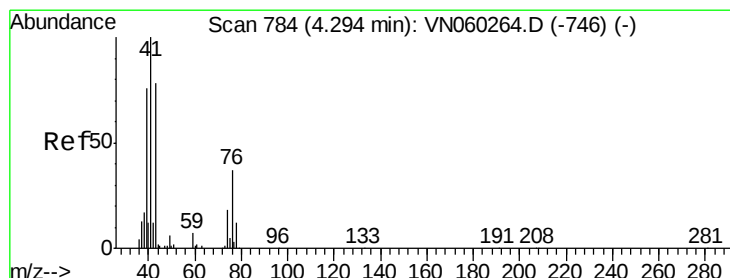
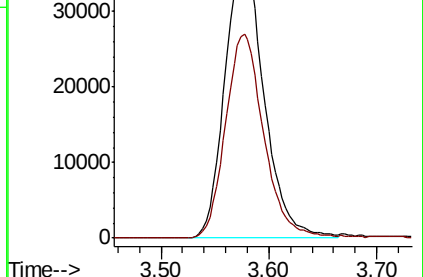
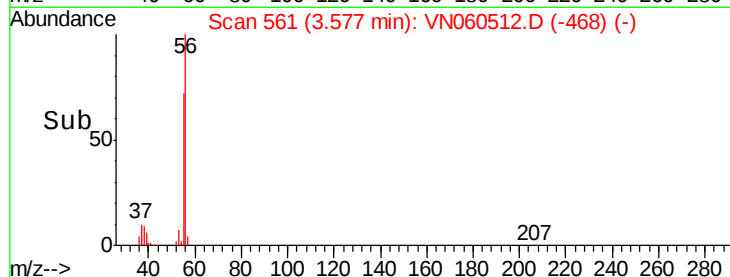


Abundance Ion 56.00 (55.70 to 56.70): VN060512.D (-468) (-)

Ion 55.00 (54.70 to 55.70): VN060512.D (-468) (-)

3.58

Time-->



#14

Allyl chloride

Concen: 43.870 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

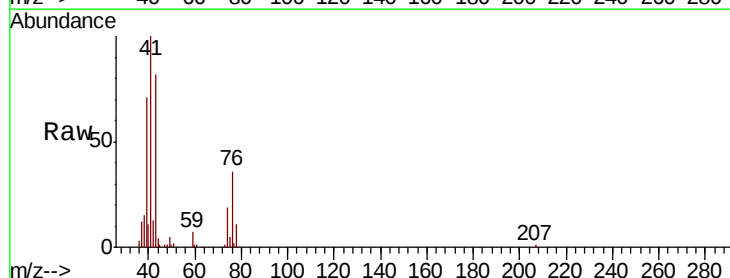
Tgt Ion: 41 Resp: 151834

Ion Ratio Lower Upper

41 100

39 72.3 55.4 83.2

76 35.6 27.0 40.6



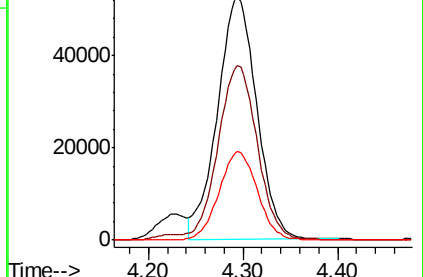
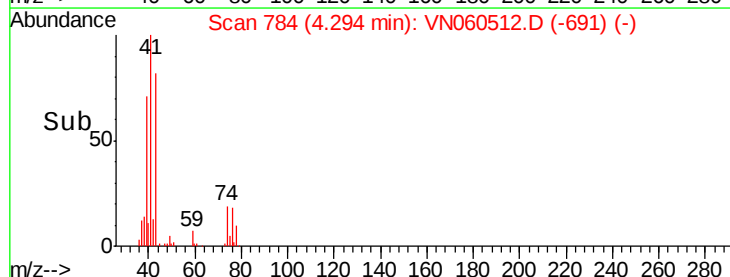
Abundance Ion 41.00 (40.70 to 41.70): VN060512.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060512.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060512.D (-691) (-)

4.29

Time-->





#15

Acrylonitrile

Concen: 267.651 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

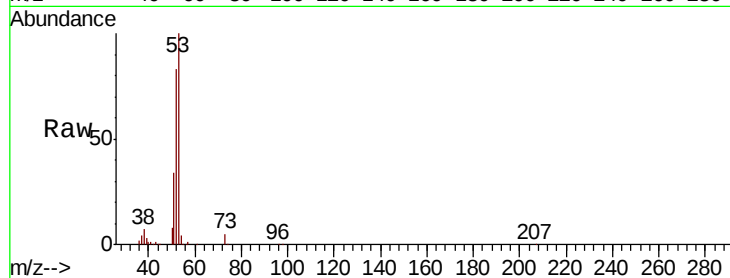
Tot Ion: 53 Resp: 262600

Ion Ratio Lower Upper

53 100

52 82.8 66.8 100.2

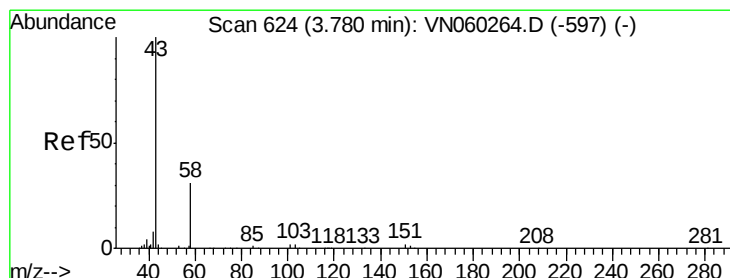
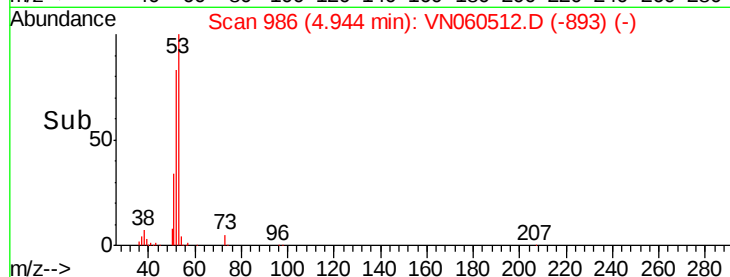
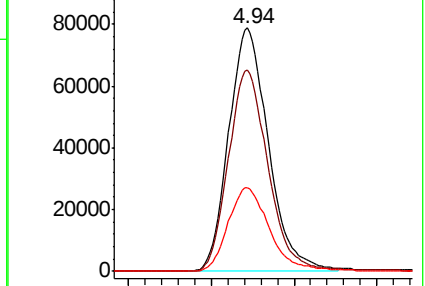
51 35.7 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060512.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060512.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060512.D (-964) (-)



#16

Acetone

Concen: 263.041 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060512.D

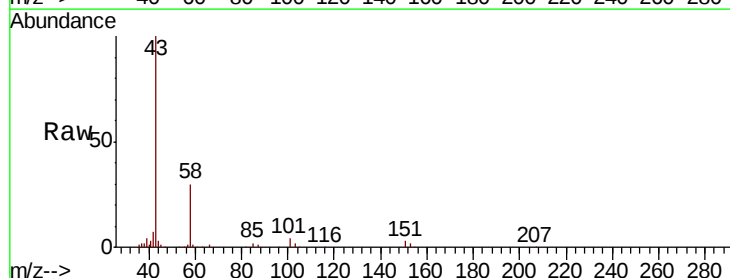
Acq: 13 Mar 2020 18:51

Tgt Ion: 43 Resp: 212939

Ion Ratio Lower Upper

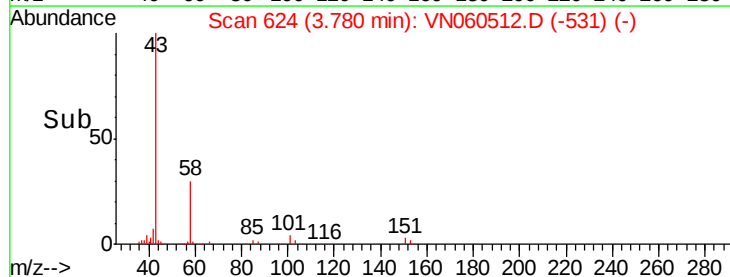
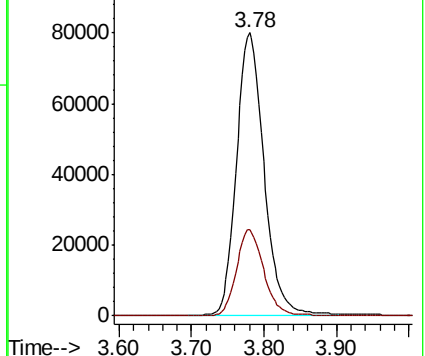
43 100

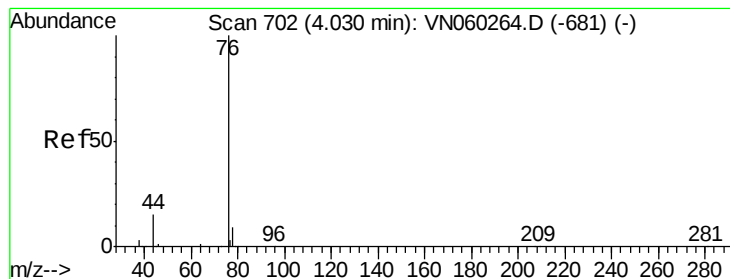
58 30.4 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060512.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060512.D (-531) (-)





#17

Carbon Disulfide

Concen: 40.358 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

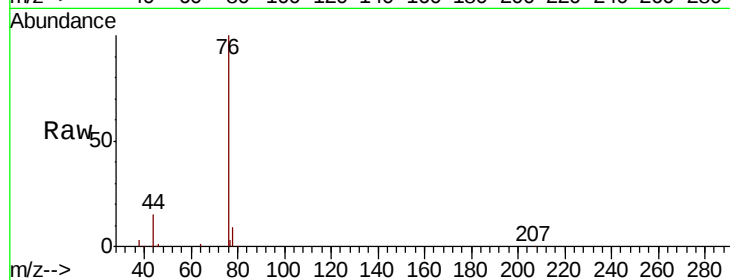
ClientSampleId :

Tot Ion: 76 Resp: 201711

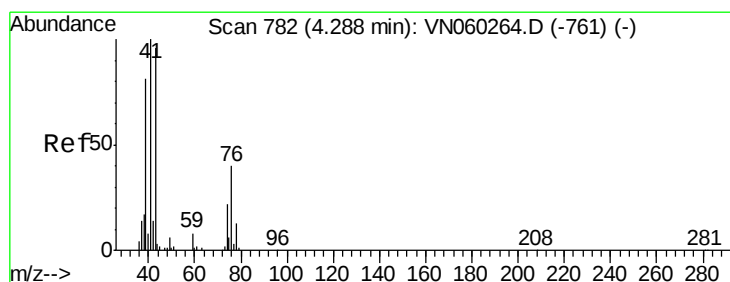
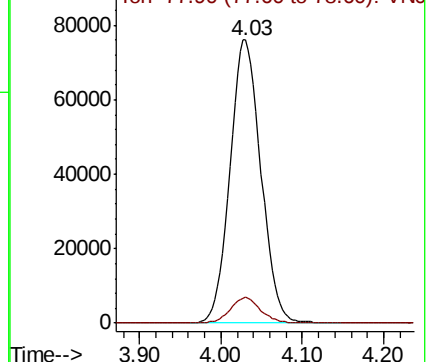
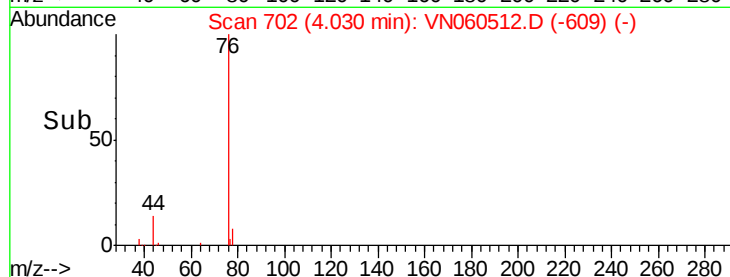
Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN060512.D (-609) (-)



#18

Methyl Acetate

Concen: 51.326 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060512.D

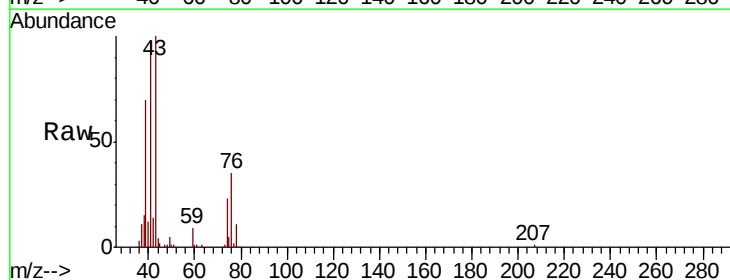
Acq: 13 Mar 2020 18:51

Tgt Ion: 43 Resp: 138660

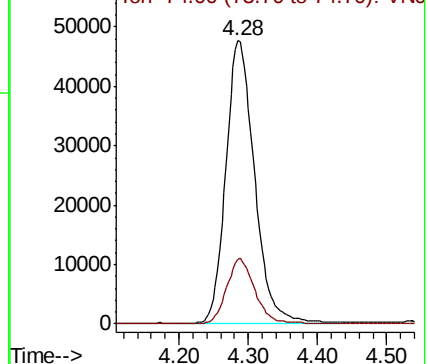
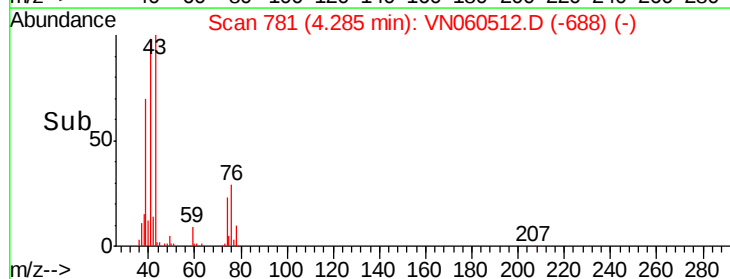
Ion Ratio Lower Upper

43 100

74 22.6 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN060512.D (-688) (-)

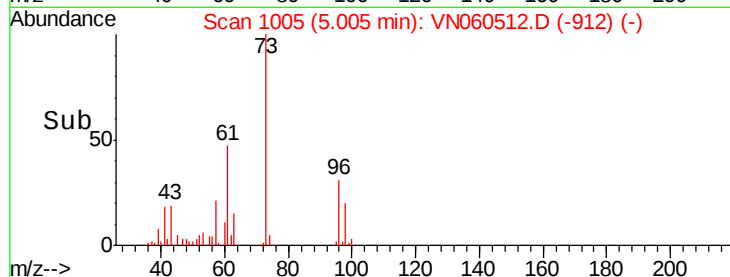
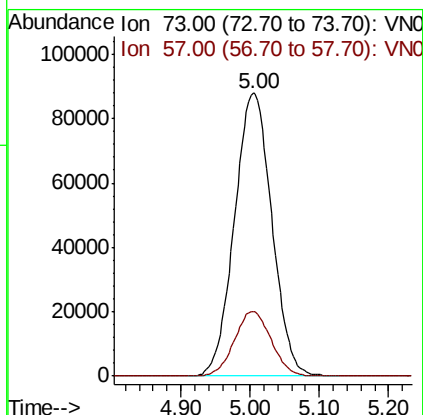
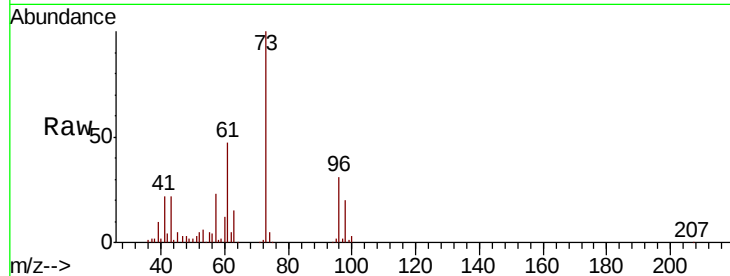




#19
Methvl tert-butvl Ether
Concen: 48.414 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

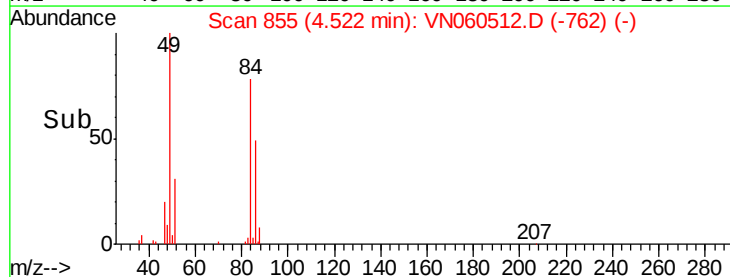
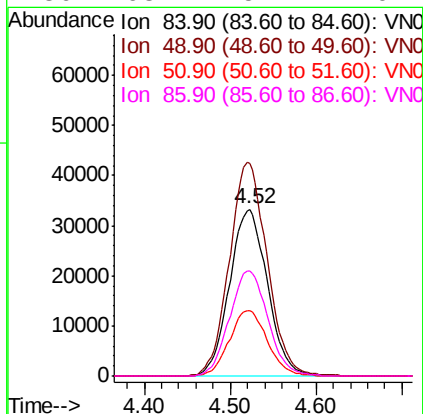
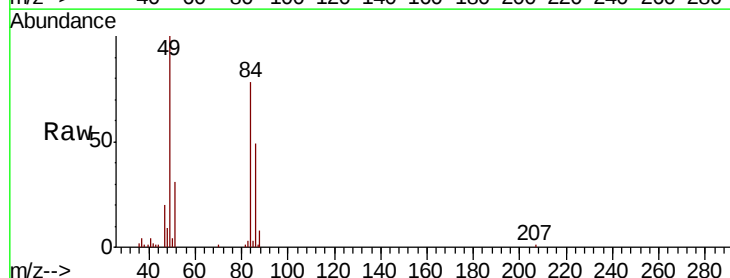
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 329954
Ion Ratio Lower Upper
73 100
57 22.9 17.3 25.9



#20
Methylene Chloride
Concen: 45.907 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion: 84 Resp: 102062
Ion Ratio Lower Upper
84 100
49 127.5 99.3 148.9
51 39.4 30.1 45.1
86 63.1 51.1 76.7

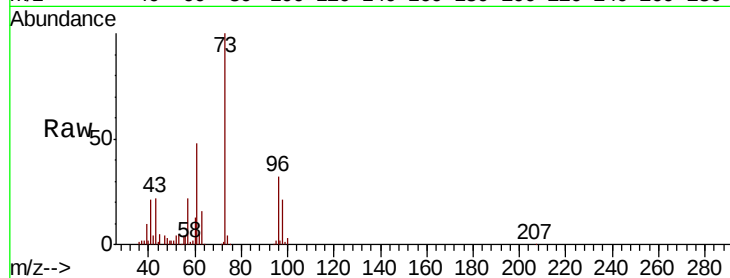




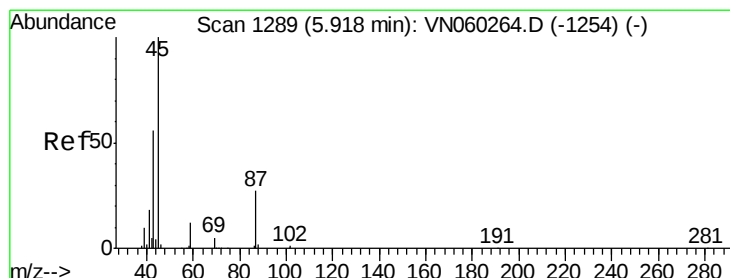
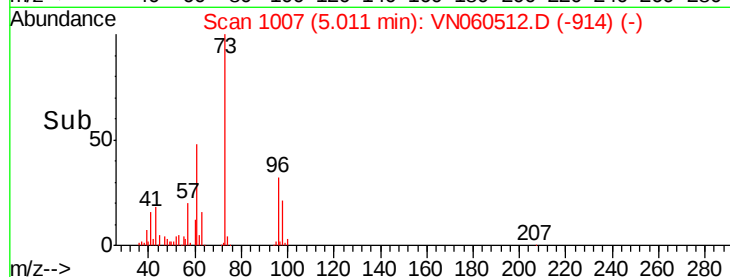
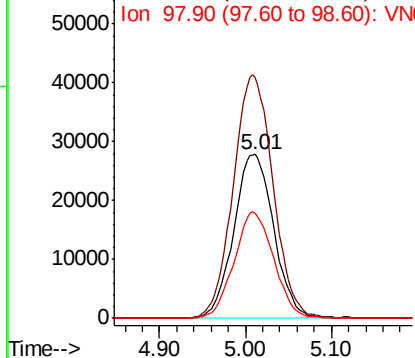
#21
trans-1,2-Dichloroethene
Concen: 44.649 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 90139
Ion Ratio Lower Upper
96 100
61 147.0 113.8 170.8
98 64.1 48.8 73.2

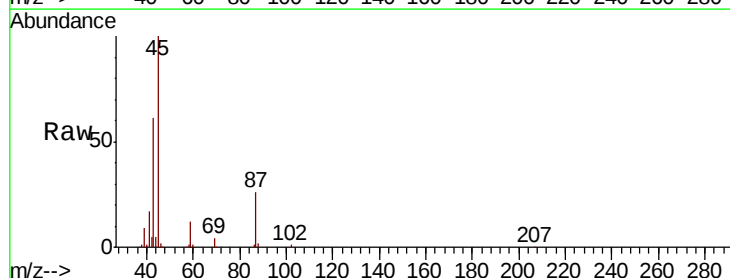


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

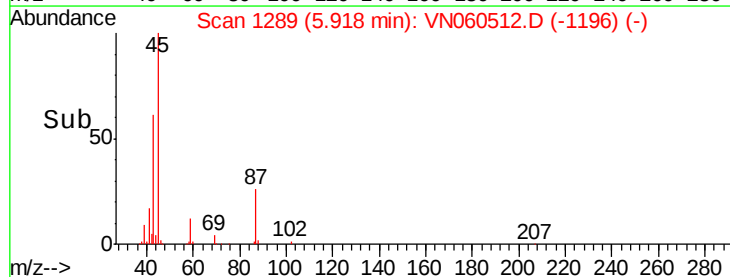
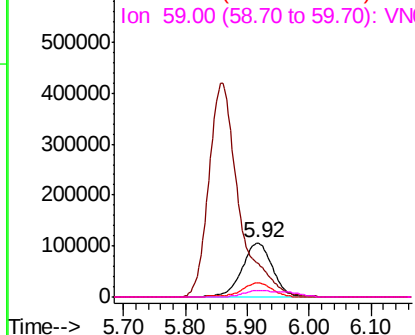


#22
Diisopropyl ether
Concen: 51.466 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion: 45 Resp: 360808
Ion Ratio Lower Upper
45 100
43 59.9 48.6 72.8
87 26.2 22.2 33.2
59 11.8 9.5 14.3



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

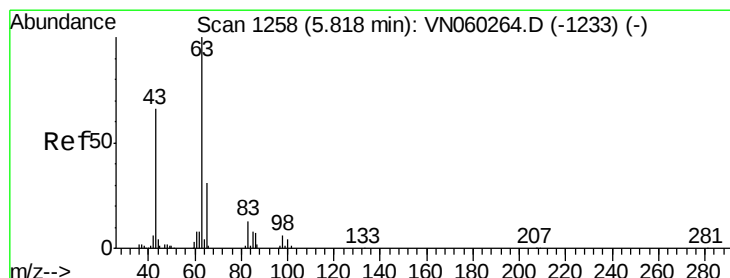
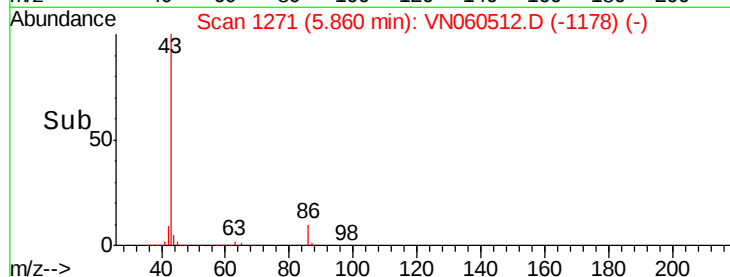
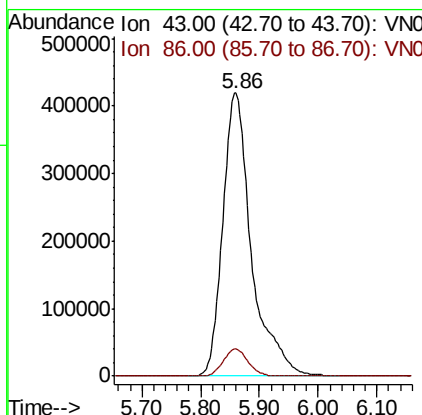
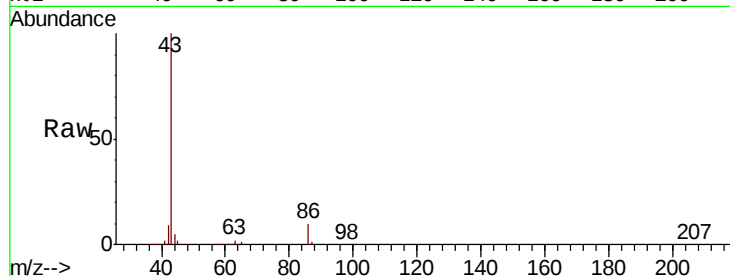




#23
 Vinyl Acetate
 Concen: 255.110 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

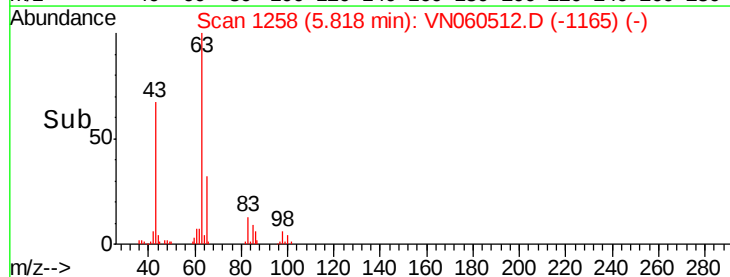
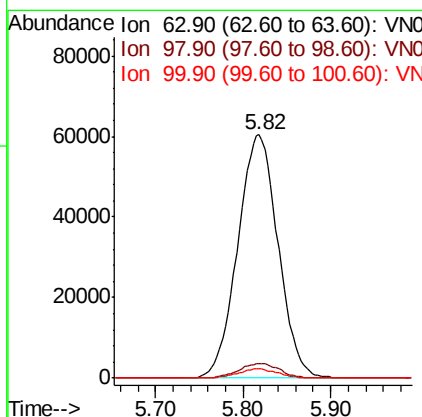
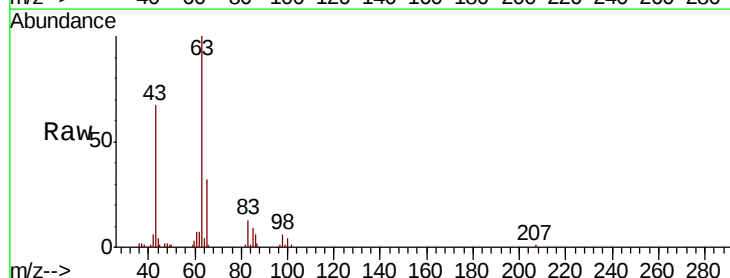
Instrument :
 MSVOA_N
 ClientSampleId :

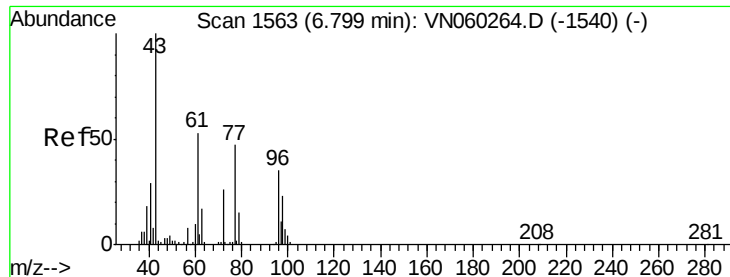
Tot Ion: 43 Resp: 1421168
 Ion Ratio Lower Upper
 43 100
 86 9.6 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 48.650 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Tgt Ion: 63 Resp: 193065
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.0 9.0
 100 3.7 2.0 6.0





#25

2-Butanone

Concen: 269.098 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

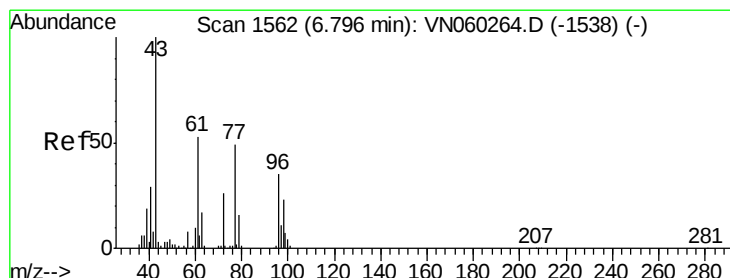
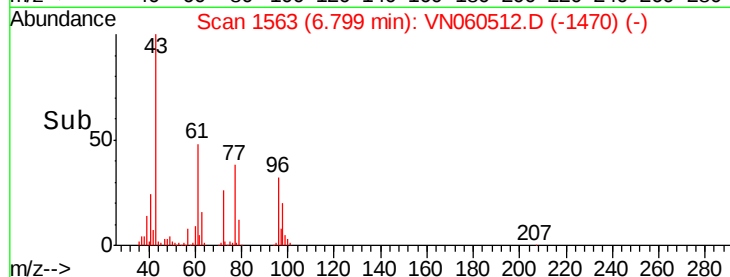
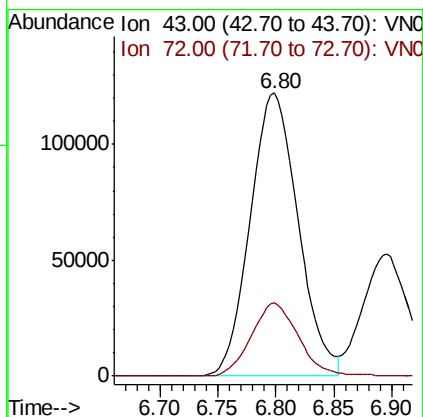
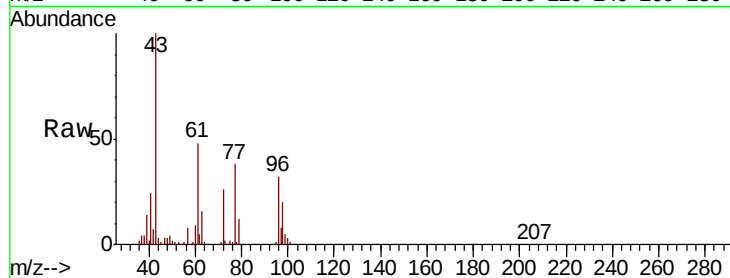
ClientSampled :

Tot Ion: 43 Resp: 351867

Ion Ratio Lower Upper

43 100

72 25.9 20.9 31.3



#26

2,2-Dichloropropane

Concen: 41.695 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060512.D

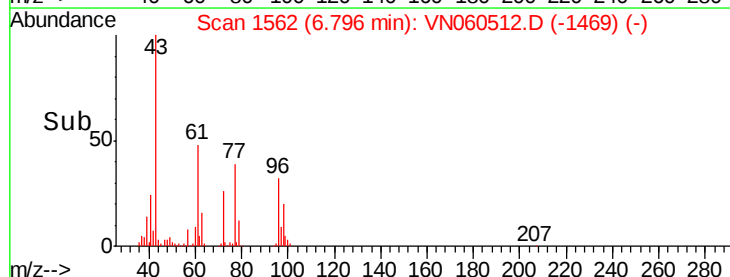
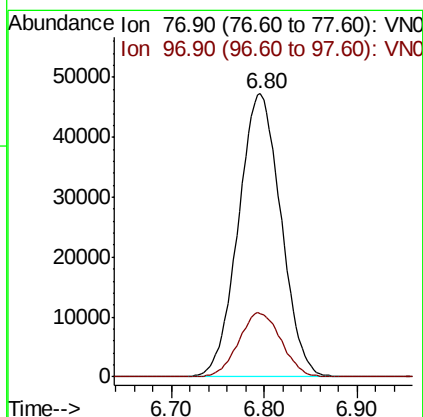
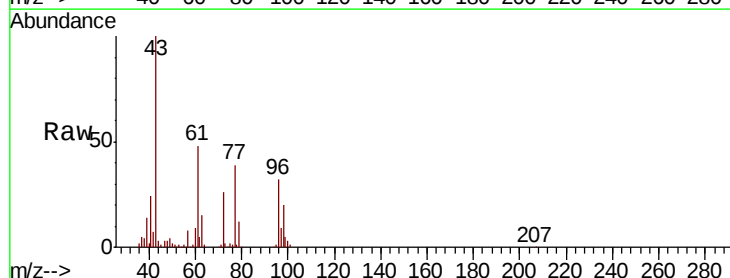
Acq: 13 Mar 2020 18:51

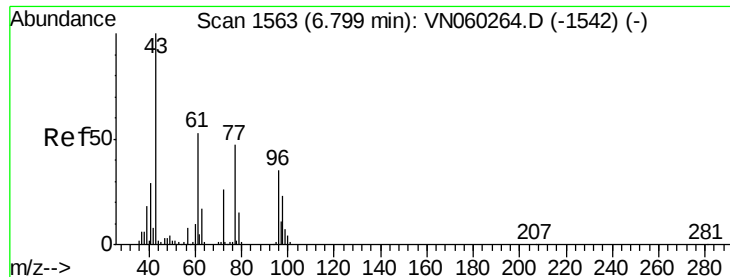
Tgt Ion: 77 Resp: 150634

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 43.763 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

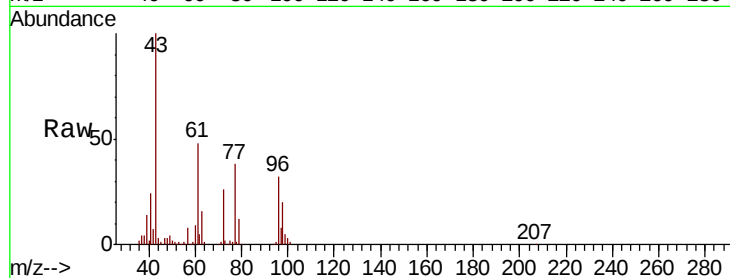
Tot Ion: 96 Resp: 112819

Ion Ratio Lower Upper

96 100

61 153.0 0.0 300.8

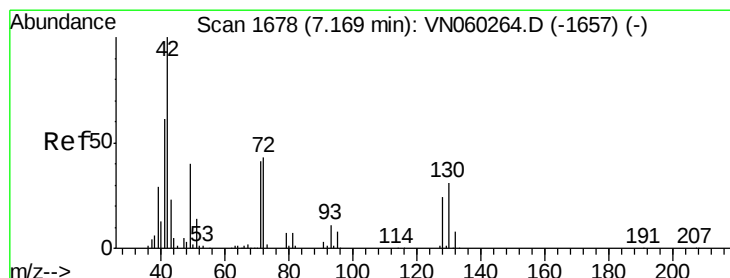
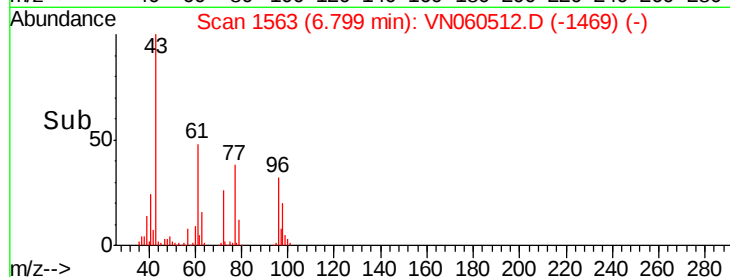
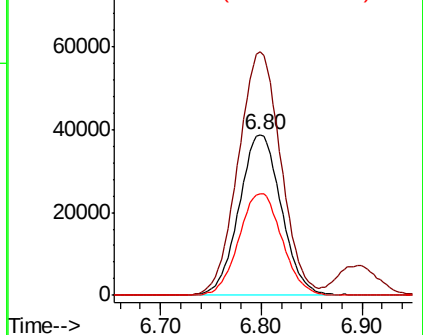
98 64.6 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN060512.D (-1469) (-)

Ion 60.90 (60.60 to 61.60): VN060512.D (-1469) (-)

Ion 97.90 (97.60 to 98.60): VN060512.D (-1469) (-)



#28

Bromochloromethane

Concen: 48.698 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

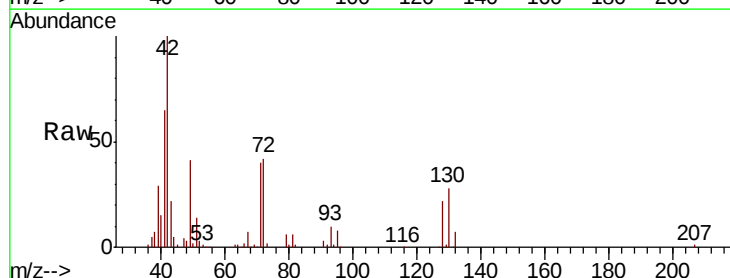
Tgt Ion: 49 Resp: 79347

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.8

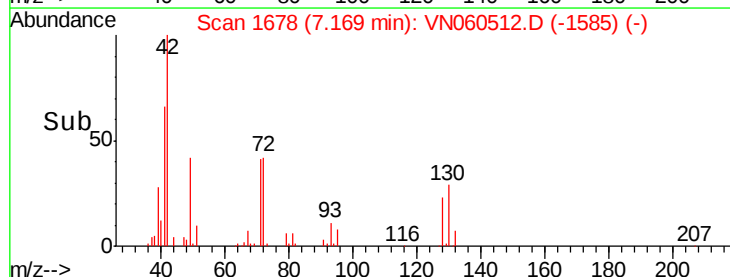
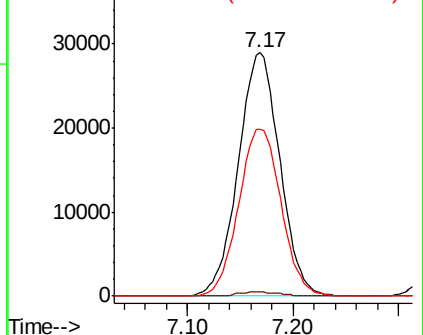
130 69.9 59.8 89.8



Abundance Ion 48.90 (48.60 to 49.60): VN060512.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060512.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060512.D (-1585) (-)

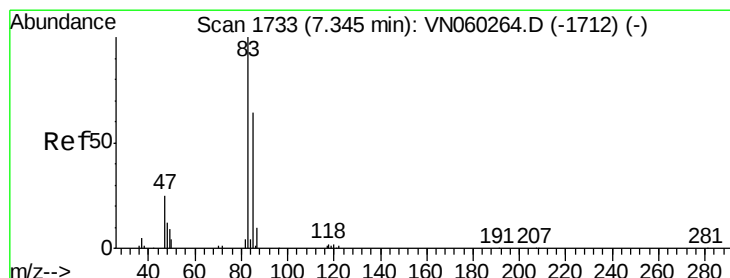
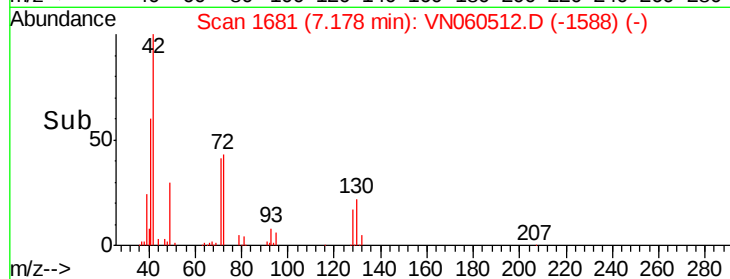
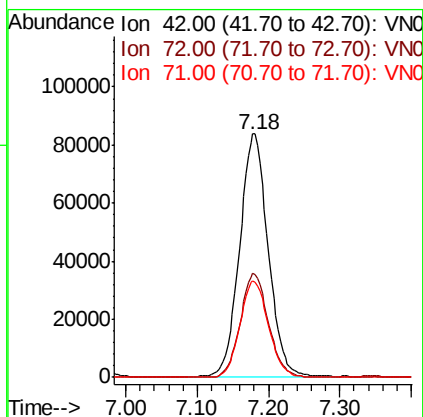
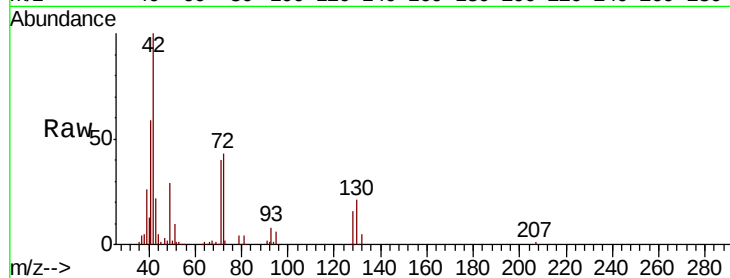




#29
Tetrahydrofuran
Concen: 258.565 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

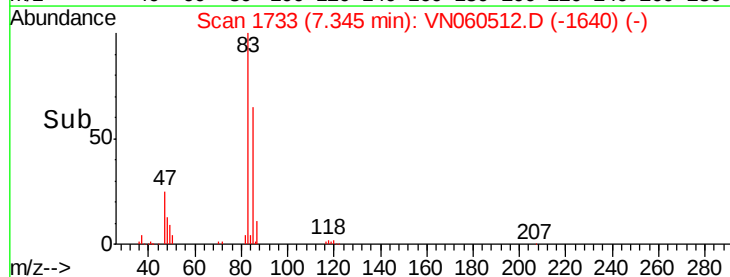
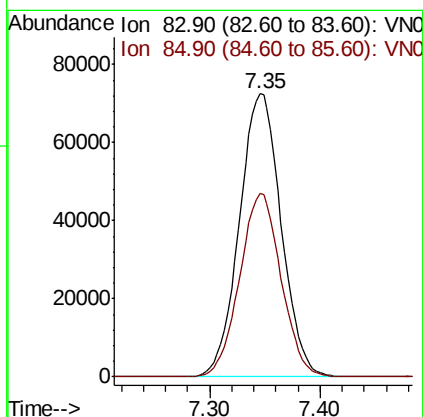
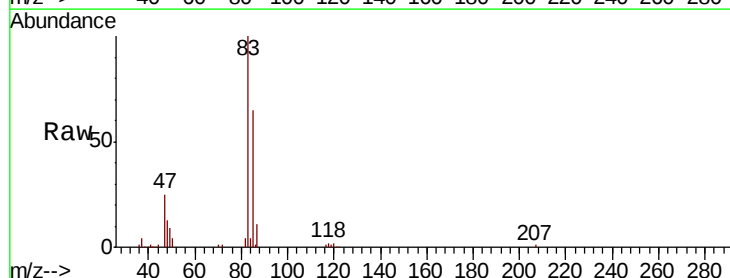
Instrument :
MSVOA_N
ClientSampled :

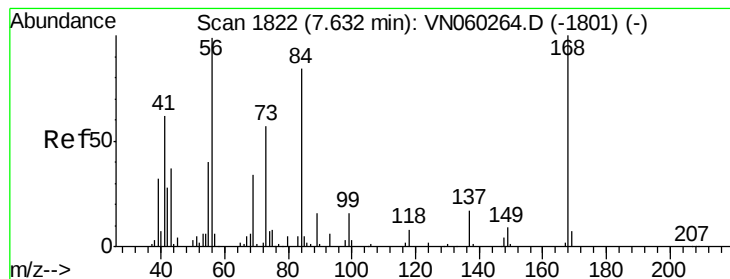
Tot Ion: 42 Resp: 235103
Ion Ratio Lower Upper
42 100
72 41.7 34.6 52.0
71 39.3 32.9 49.3



#30
Chloroform
Concen: 48.154 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion: 83 Resp: 190231
Ion Ratio Lower Upper
83 100
85 64.9 51.4 77.2





#31

Cyclohexane

Concen: 46.542 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampled :

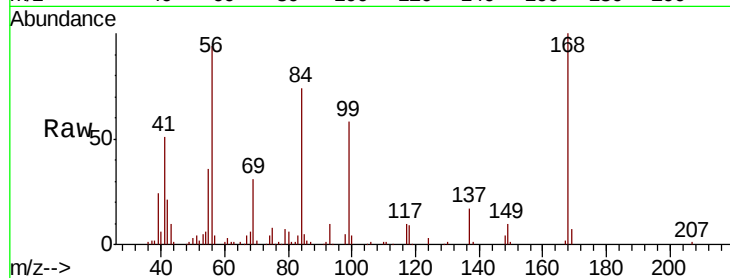
Tot Ion: 56 Resp: 157928

Ion Ratio Lower Upper

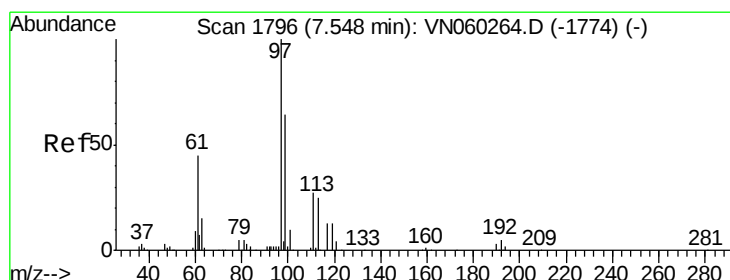
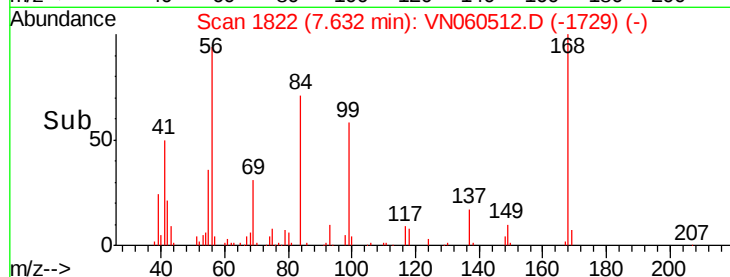
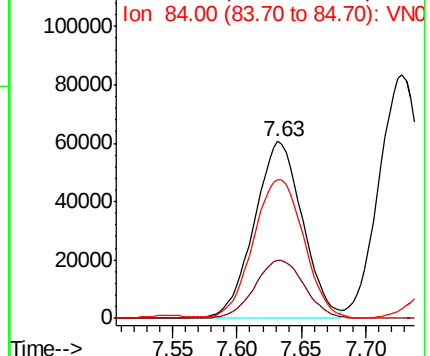
56 100

69 33.0 27.2 40.8

84 77.4 66.7 100.1



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



#32

1,1,1-Trichloroethane

Concen: 46.512 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

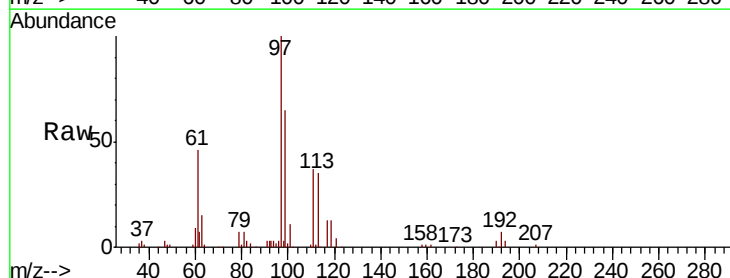
Tgt Ion: 97 Resp: 162801

Ion Ratio Lower Upper

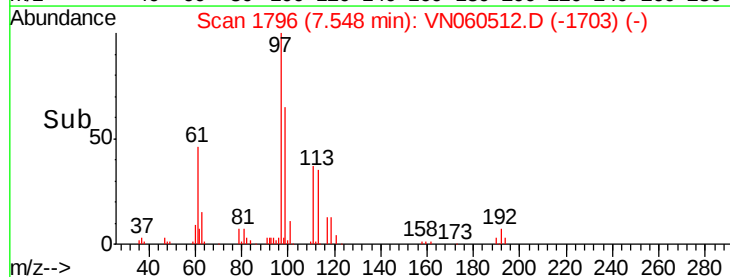
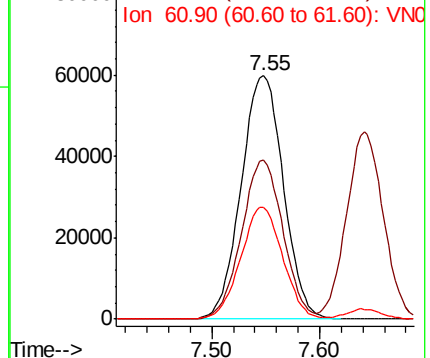
97 100

99 64.0 51.4 77.0

61 45.8 36.6 55.0



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





#33

1,2-Dichloroethane-d4

Concen: 49.441 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

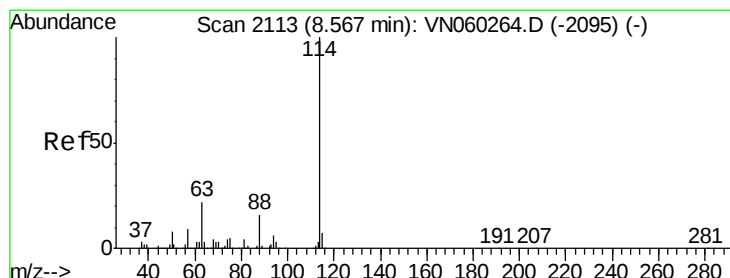
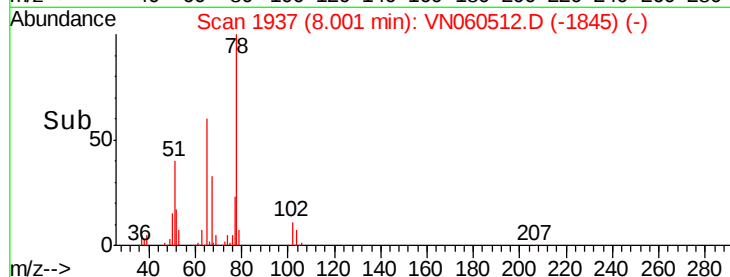
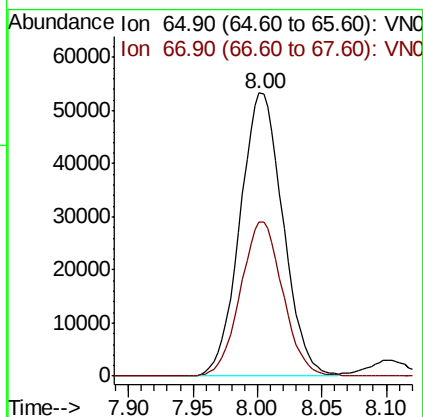
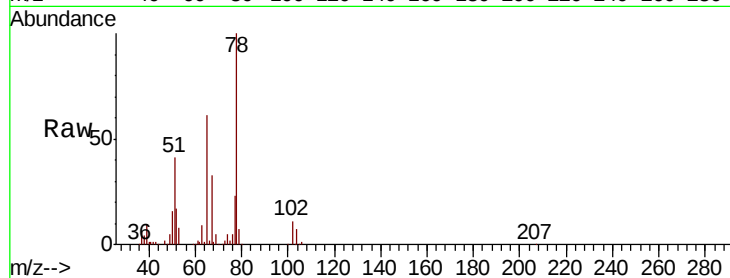
ClientSampled :

Tot Ion: 65 Resp: 123940

Ion Ratio Lower Upper

65 100

67 53.6 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

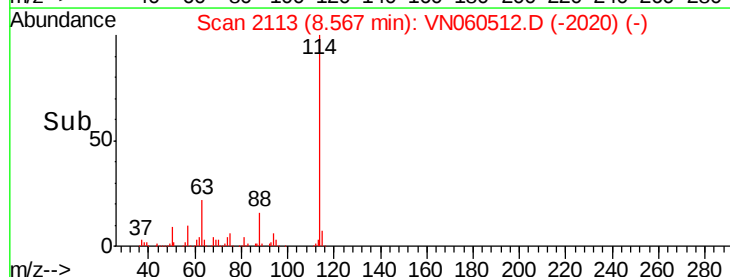
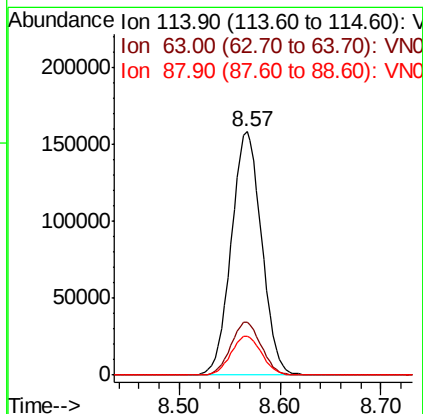
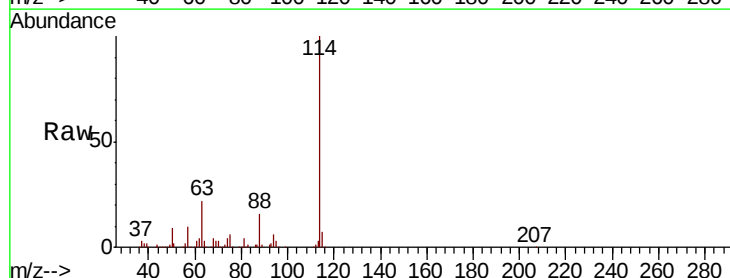
Tgt Ion: 114 Resp: 330173

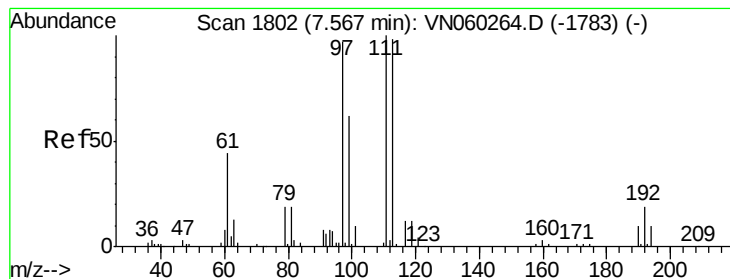
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.2

88 15.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 60.626 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampled :

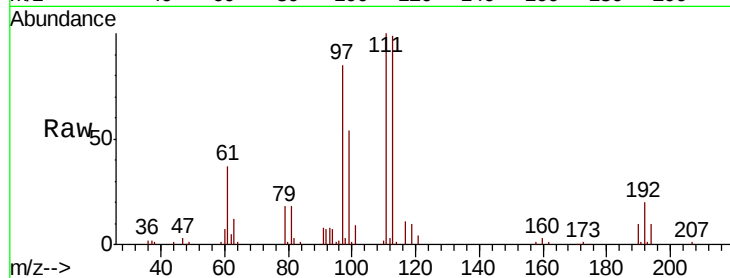
Tot Ion:113 Resp: 92913

Ion Ratio Lower Upper

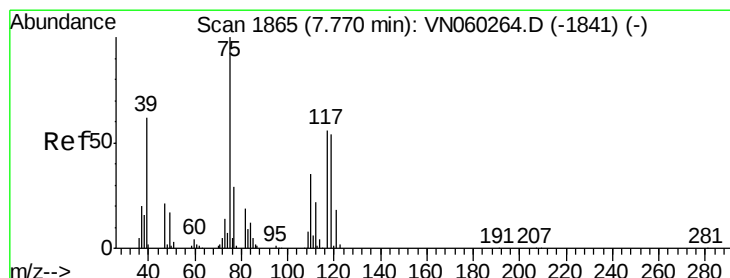
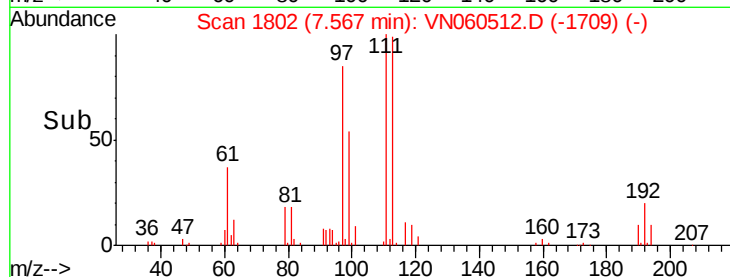
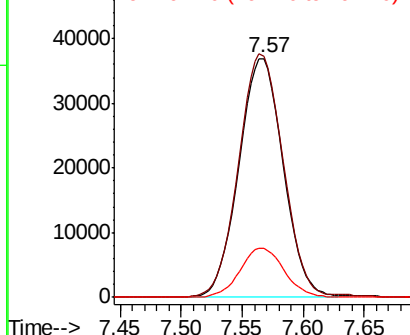
113 100

111 103.0 82.4 123.6

192 20.3 16.2 24.2



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: 43.209 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

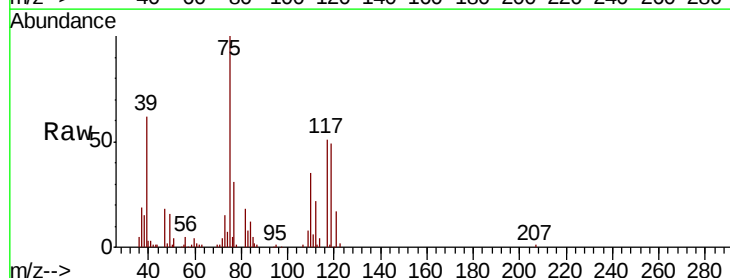
Tgt Ion: 75 Resp: 135967

Ion Ratio Lower Upper

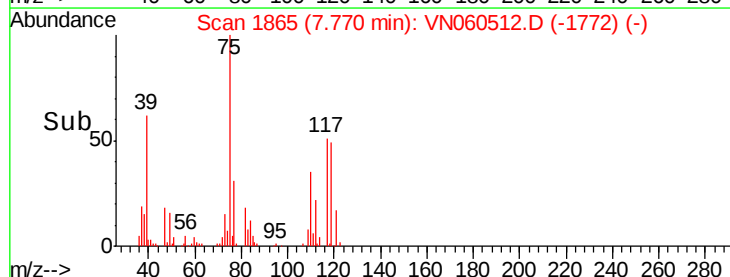
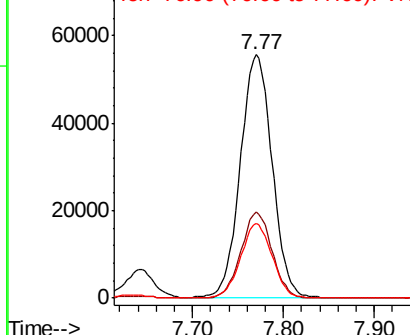
75 100

110 34.3 17.3 52.0

77 30.3 24.2 36.2



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

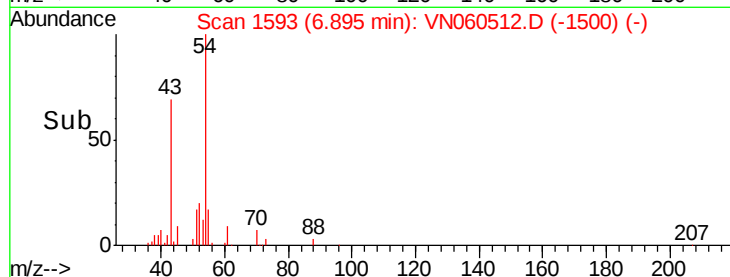
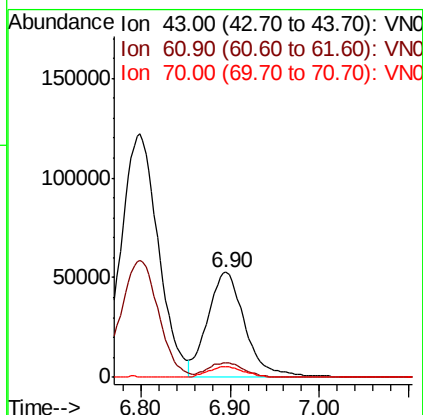
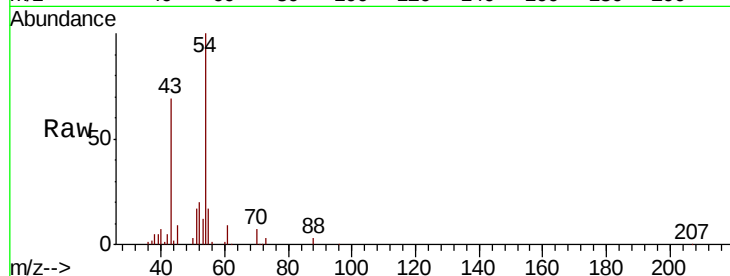




#37
Ethyl Acetate
Concen: 50.611 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

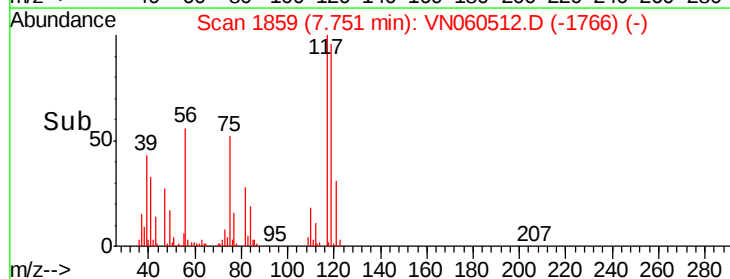
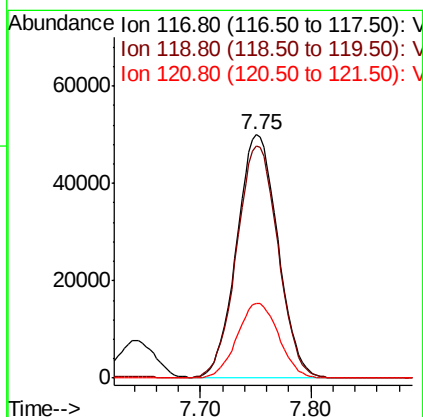
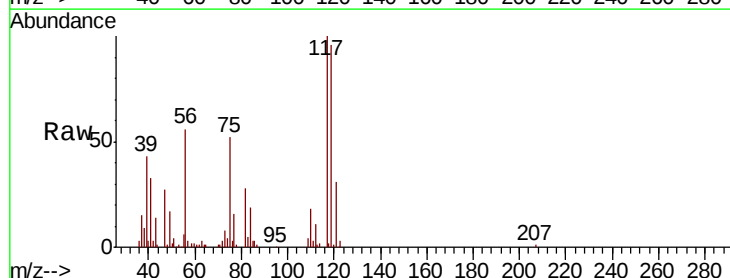
Instrument :
MSVOA_N
ClientSampled :

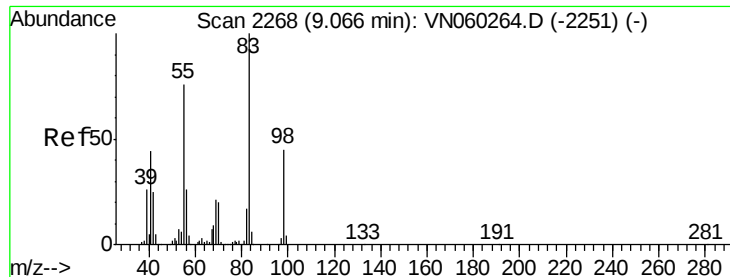
Tot Ion: 43 Resp: 150797
Ion Ratio Lower Upper
43 100
61 13.8 11.1 16.7
70 9.9 8.4 12.6



#38
Carbon Tetrachloride
Concen: 42.307 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion: 117 Resp: 129615
Ion Ratio Lower Upper
117 100
119 95.6 76.7 115.1
121 30.7 24.5 36.7

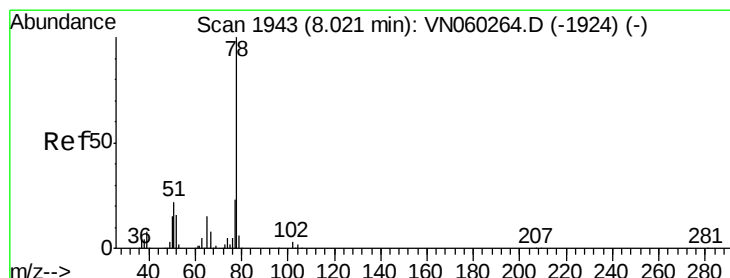
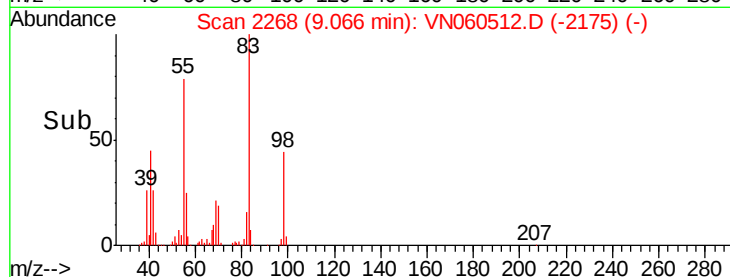
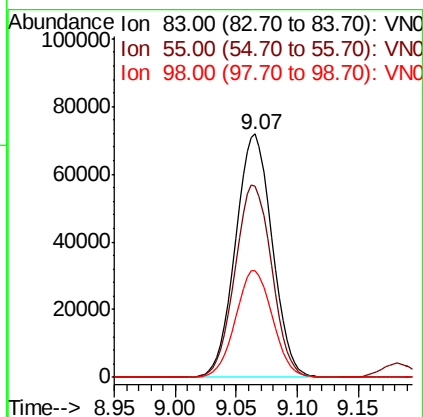
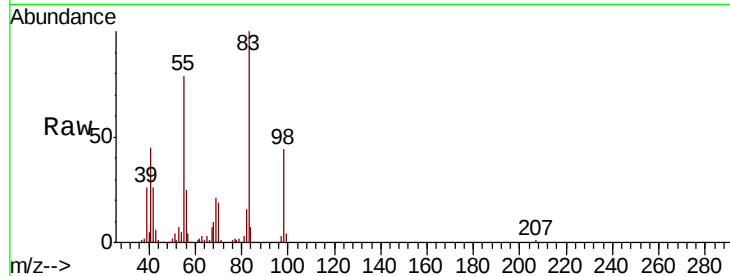




#39
Methvlcvclohexane
Concen: 40.317 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

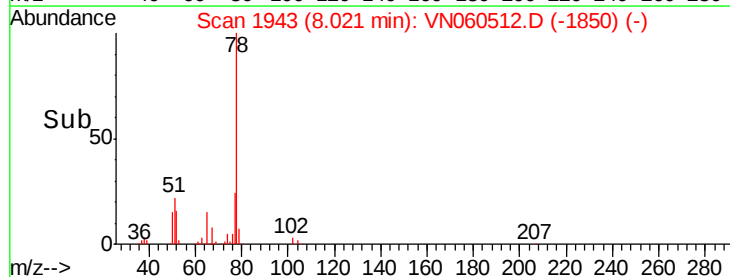
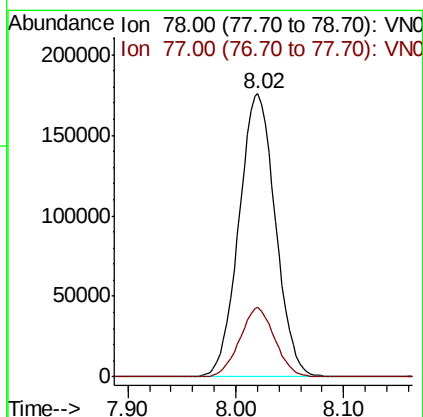
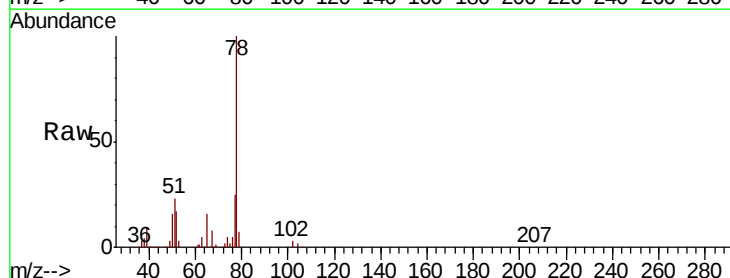
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 149581
Ion Ratio Lower Upper
83 100
55 78.7 61.0 91.4
98 44.0 36.1 54.1



#40
Benzene
Concen: 45.173 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion: 78 Resp: 413726
Ion Ratio Lower Upper
78 100
77 24.5 18.8 28.2

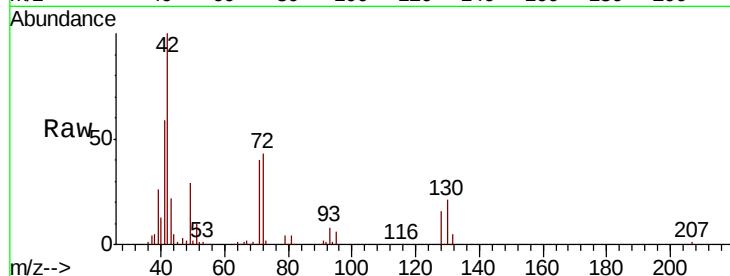




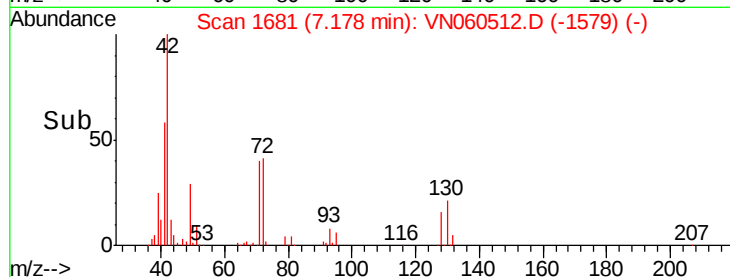
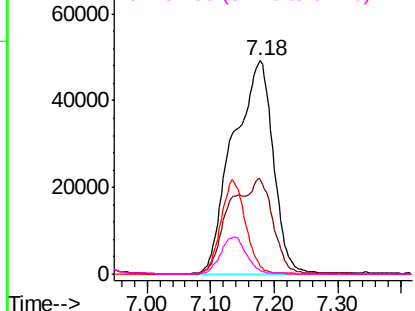
#41
Methacrylonitrile
Concen: 157.536 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	216733
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

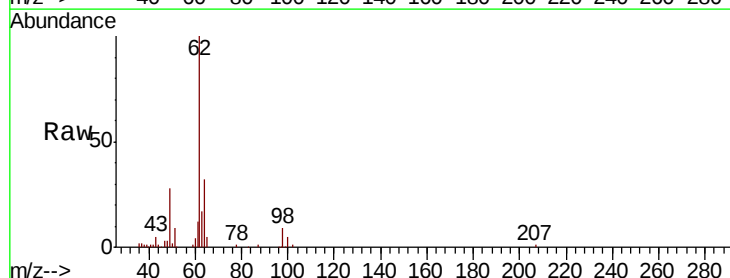


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

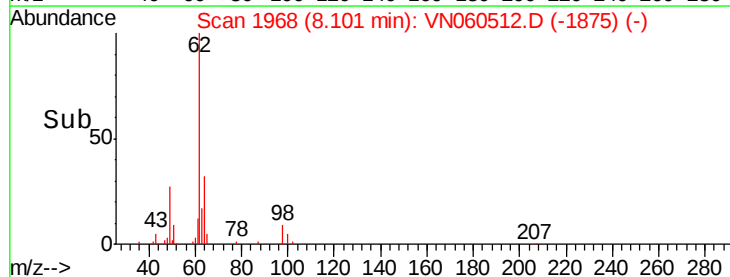
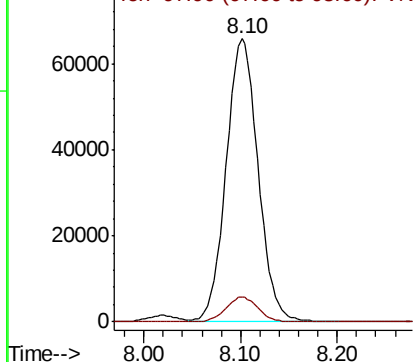


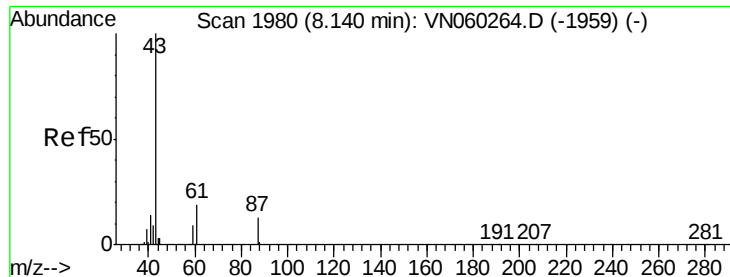
#42
1,2-Dichloroethane
Concen: 45.752 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion:	62	Resp:	151210
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.0



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





#43

Isopropyl Acetate

Concen: 49.928 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampled :

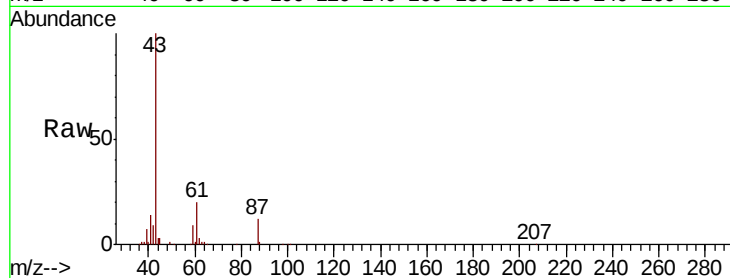
Tot Ion: 43 Resp: 260433

Ion Ratio Lower Upper

43 100

61 25.8 20.9 31.3

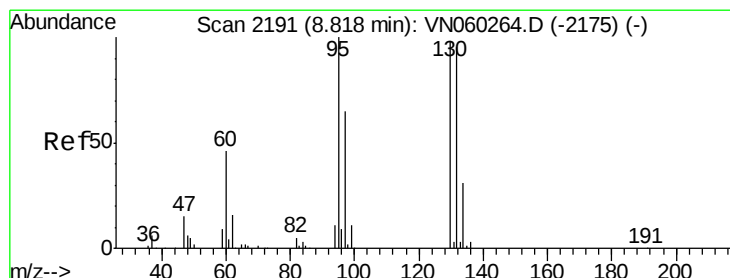
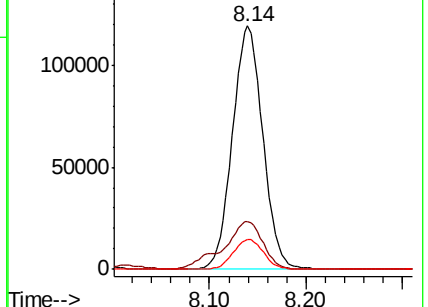
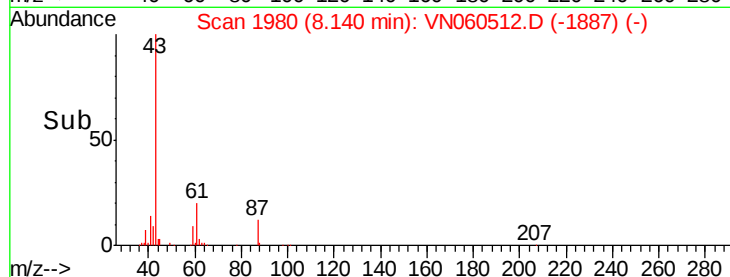
87 12.3 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060512.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060512.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060512.D (-1887) (-)



#44

Trichloroethene

Concen: 41.942 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060512.D

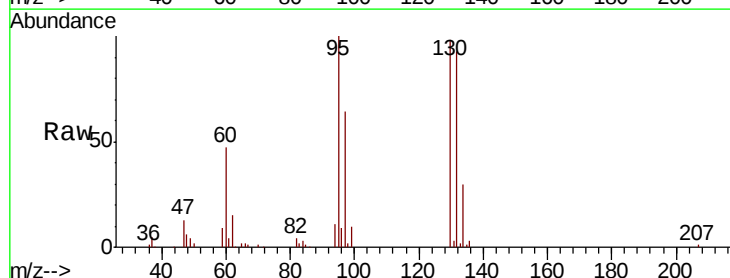
Acq: 13 Mar 2020 18:51

Tgt Ion:130 Resp: 106983

Ion Ratio Lower Upper

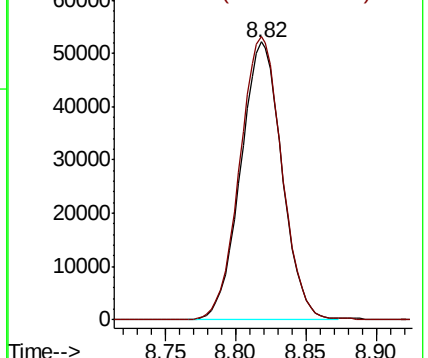
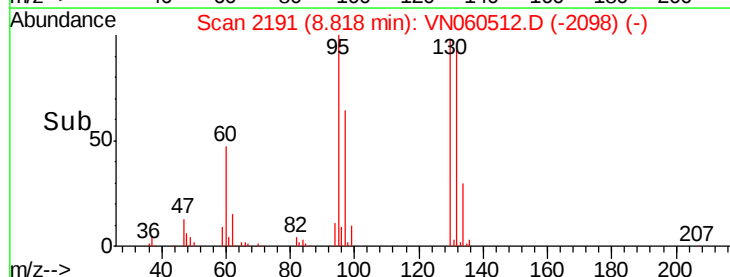
130 100

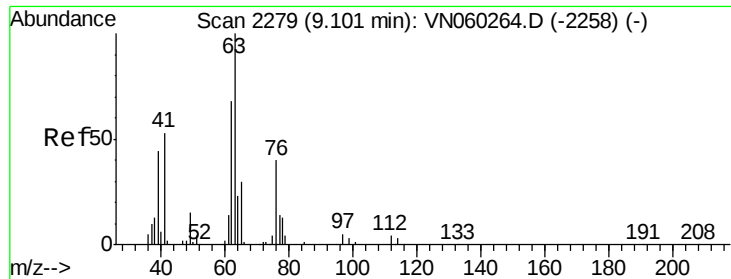
95 101.9 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060512.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060512.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 48.563 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

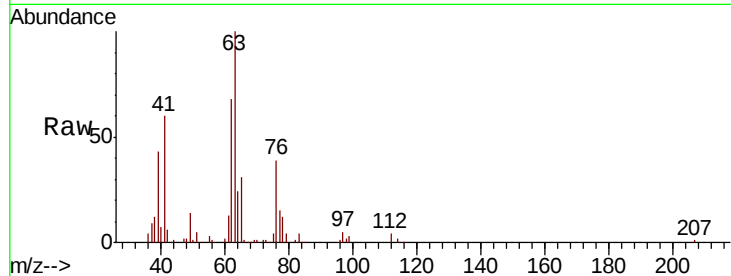
ClientSampleId :

Tot Ion: 63 Resp: 116287

Ion Ratio Lower Upper

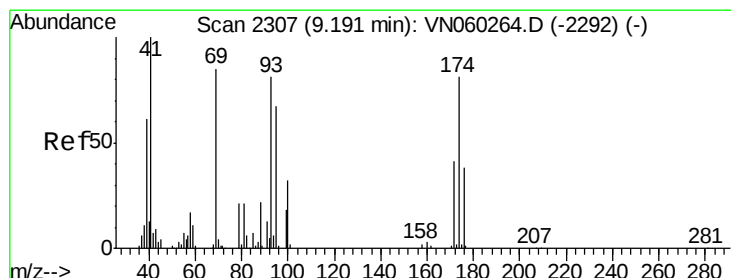
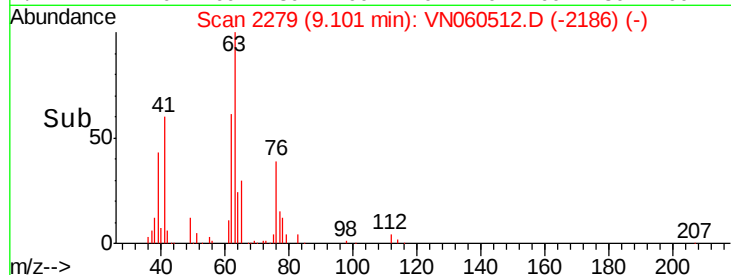
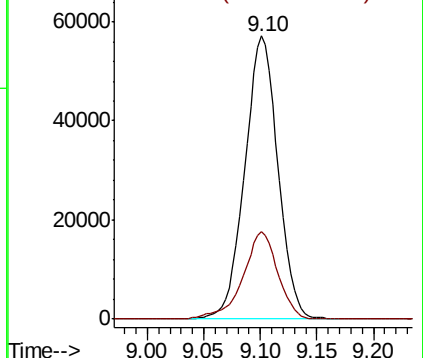
63 100

65 30.9 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN060512.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060512.D (-2186) (-)



#46

Dibromomethane

Concen: 45.668 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

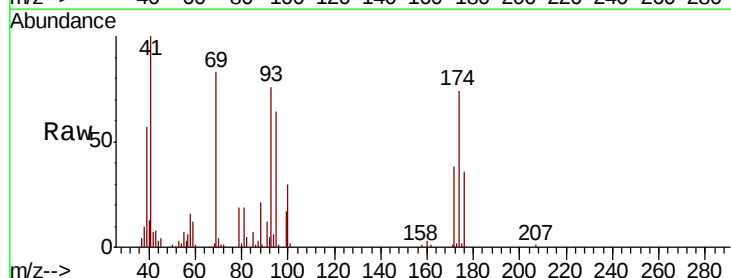
Tgt Ion: 93 Resp: 70957

Ion Ratio Lower Upper

93 100

95 84.0 65.9 98.9

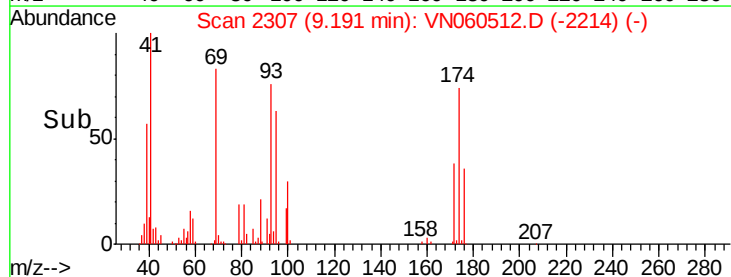
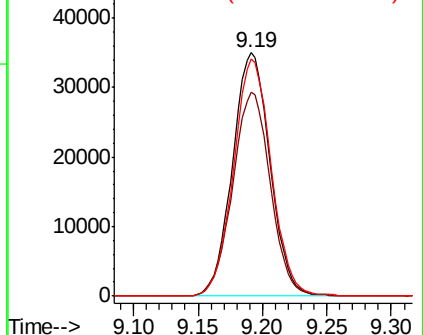
174 97.7 79.6 119.4

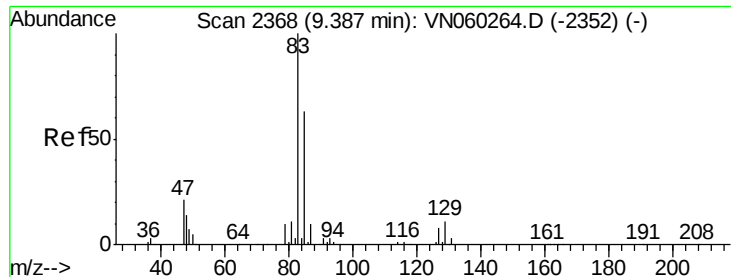


Abundance Ion 92.80 (92.50 to 93.50): VN060512.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060512.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060512.D (-2214) (-)





#47

Bromodichloromethane

Concen: 48.336 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

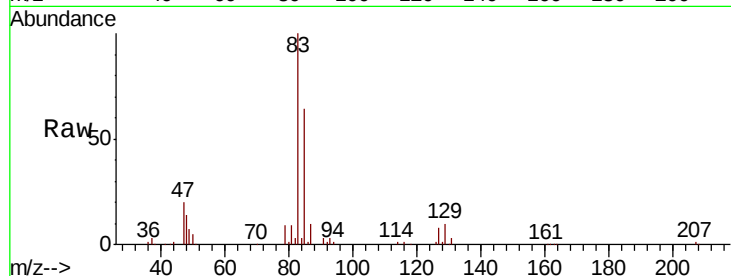
Tot Ion: 83 Resp: 152745

Ion Ratio Lower Upper

83 100

85 64.3 50.7 76.1

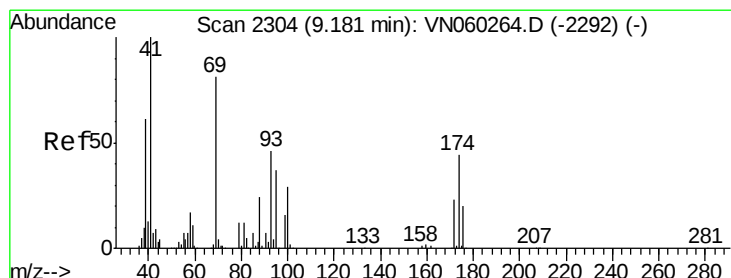
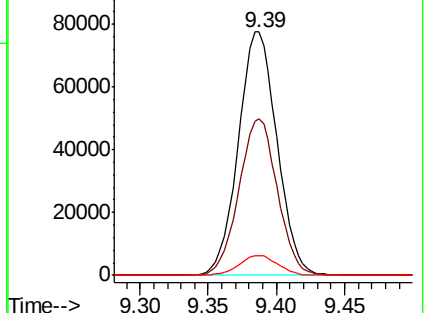
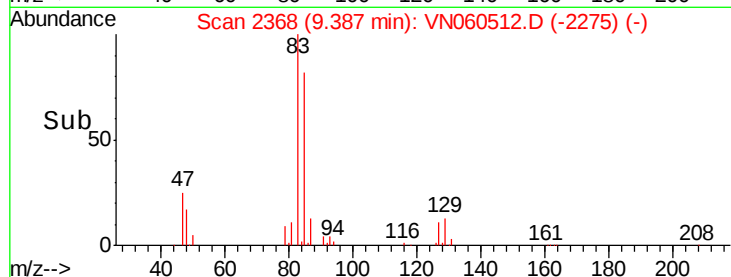
127 8.3 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN060512.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060512.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060512.D (-2275) (-)



#48

Methyl methacrylate

Concen: 48.369 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

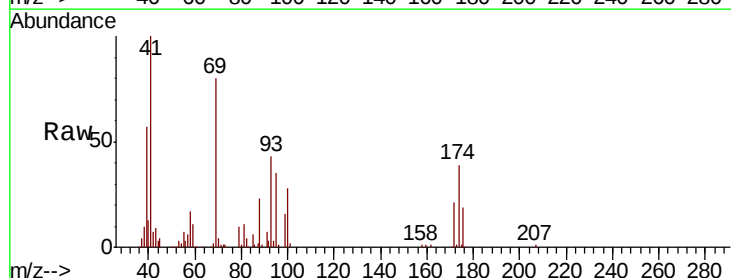
Tgt Ion: 41 Resp: 115052

Ion Ratio Lower Upper

41 100

69 82.9 66.7 100.1

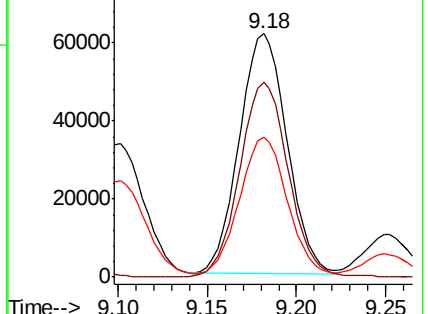
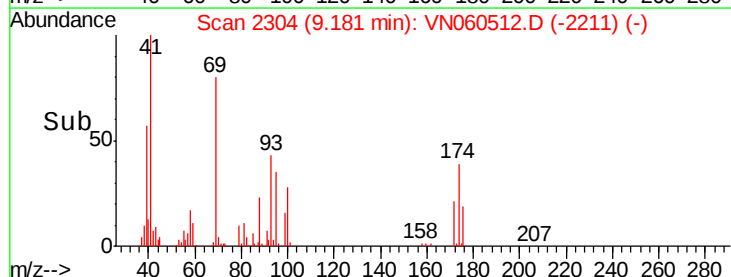
39 59.0 50.1 75.1



Abundance Ion 41.00 (40.70 to 41.70): VN060512.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060512.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060512.D (-2211) (-)

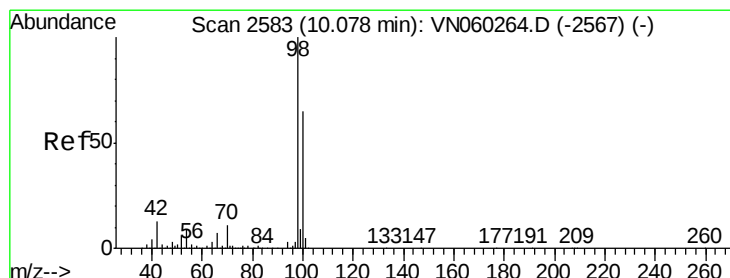
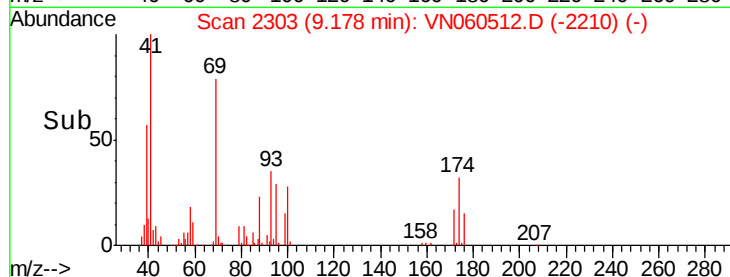
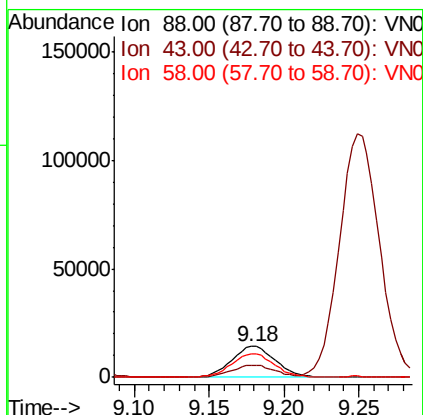
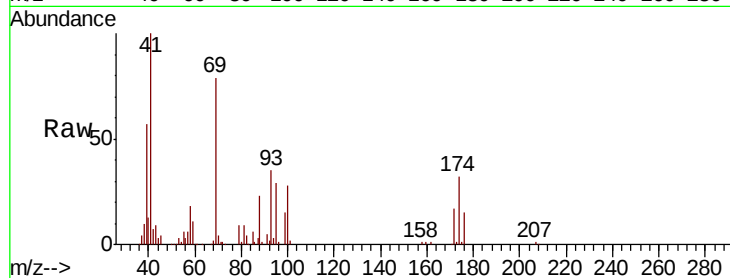




#49
 1,4-Dioxane
 Concen: 869.558 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

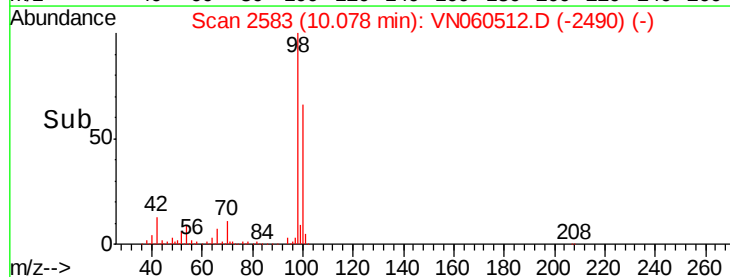
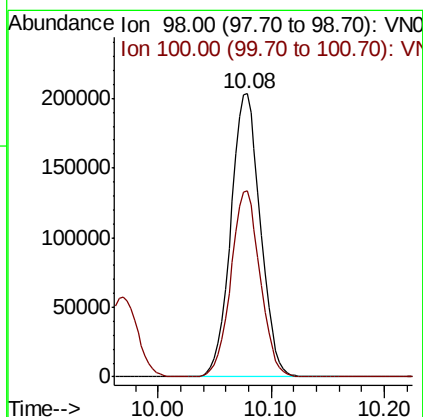
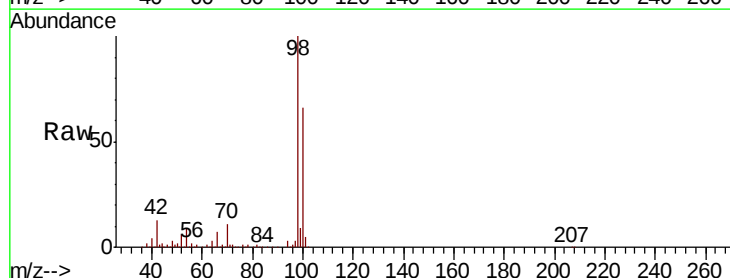
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 29087
 Ion Ratio Lower Upper
 88 100
 43 38.8 30.4 45.6
 58 74.8 57.0 85.6



#50
 Toluene-d8
 Concen: 47.505 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Tgt Ion: 98 Resp: 368472
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 260.615 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

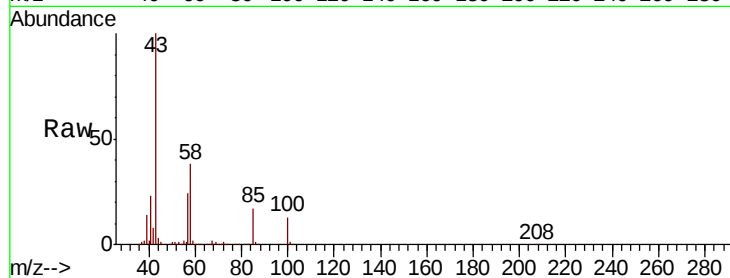
ClientSampled :

Tot Ion: 43 Resp: 770768

Ion Ratio Lower Upper

43 100

58 38.2 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)

9.97

400000

300000

200000

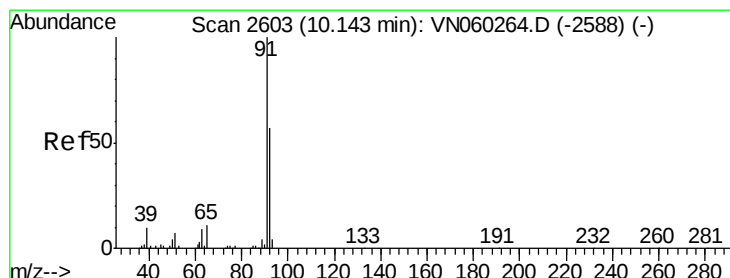
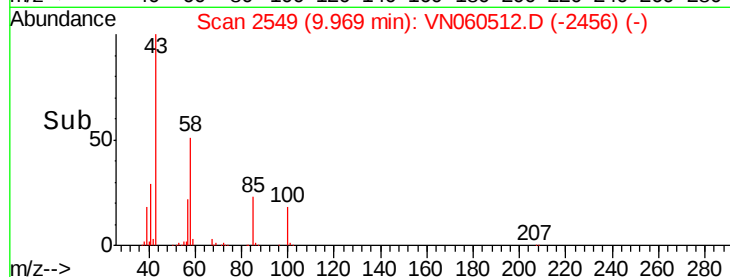
100000

0

Time-->

9.90

10.00



#52

Toluene

Concen: 45.015 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060512.D

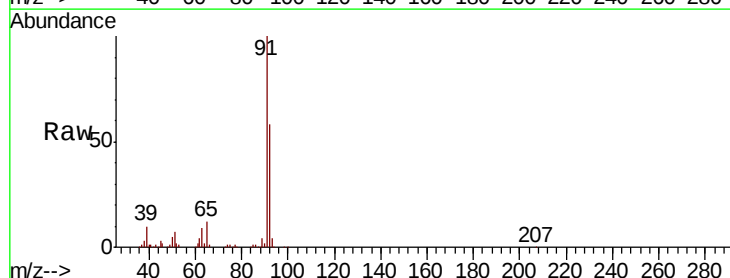
Acq: 13 Mar 2020 18:51

Tgt Ion: 92 Resp: 258979

Ion Ratio Lower Upper

92 100

91 171.6 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060264.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060264.D (-2588) (-)

10.14

250000

200000

150000

100000

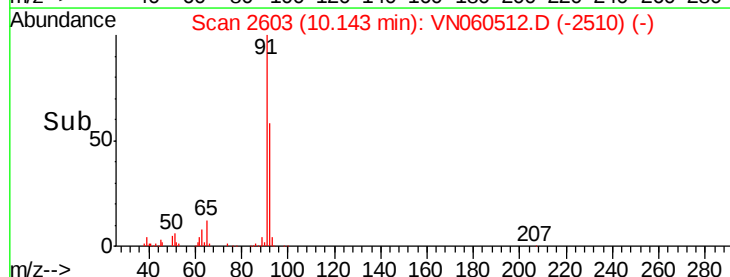
50000

0

Time-->

10.10

10.20





#53

t-1,3-Dichloropropene

Concen: 44.732 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

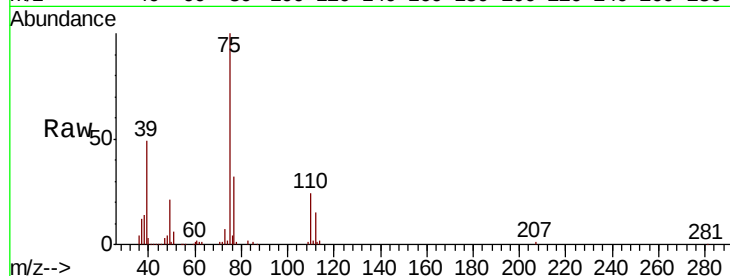
ClientSampled :

Tot Ion: 75 Resp: 173208

Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

80000

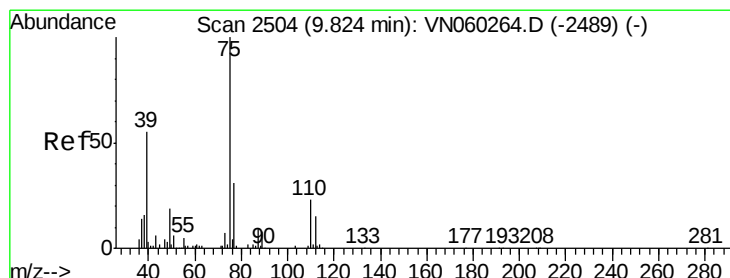
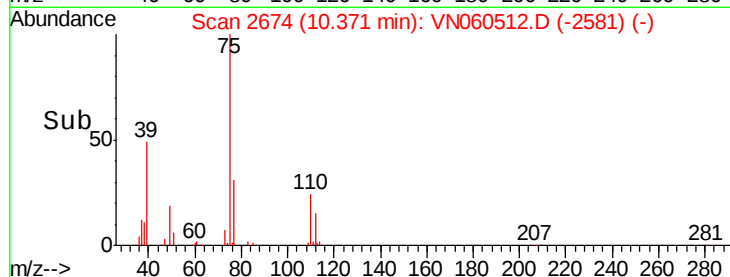
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 45.602 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

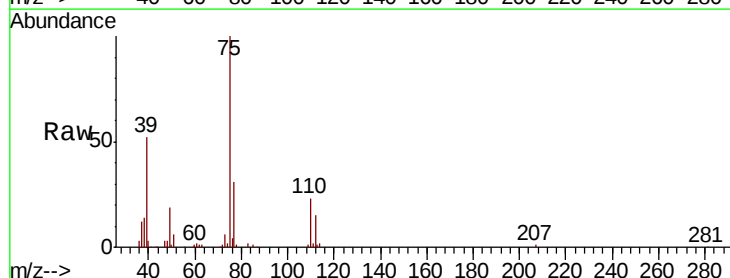
Tgt Ion: 75 Resp: 182970

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

39 51.8 43.8 65.8



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

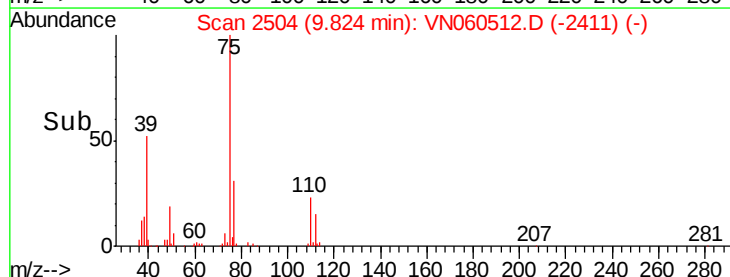
9.82

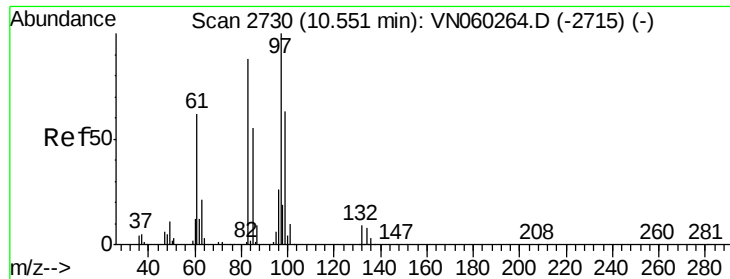
100000

50000

0

Time-->

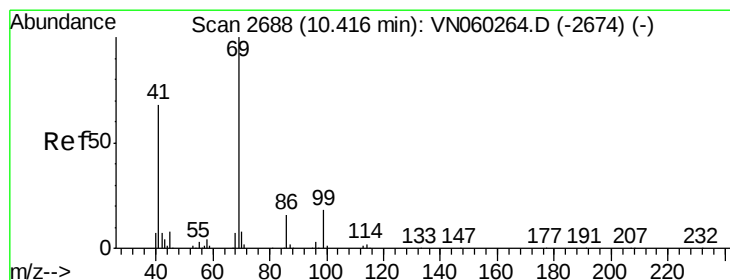
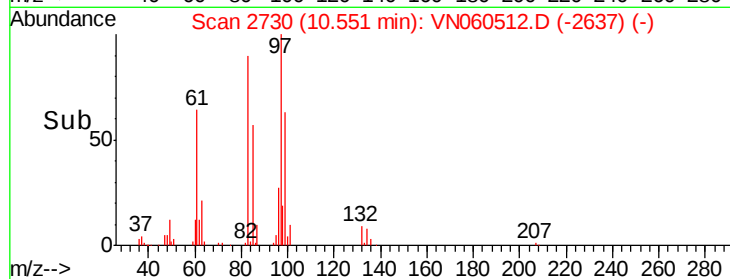
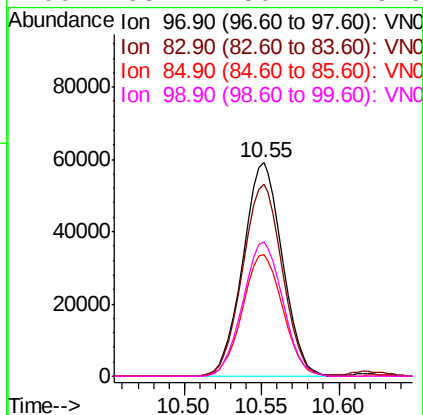
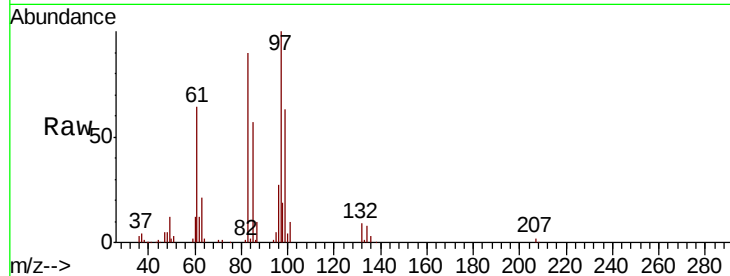




#55
 1,1,2-Trichloroethane
 Concen: 45.445 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

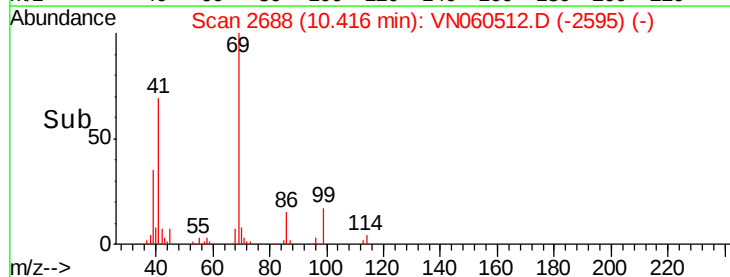
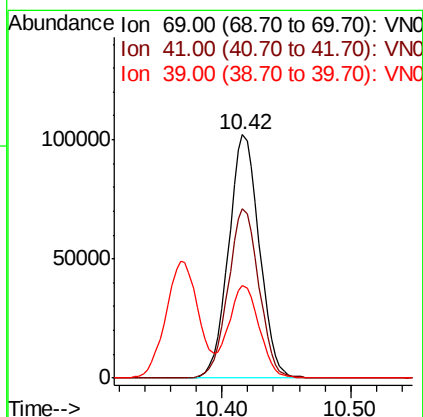
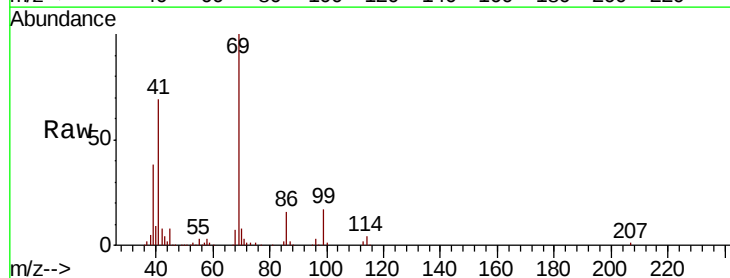
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	105141
Ion	Ratio	Lower	Upper
97	100		
83	90.0	70.0	105.0
85	56.9	44.0	66.0
99	63.2	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 50.752 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Tgt Ion:	69	Resp:	168692
Ion	Ratio	Lower	Upper
69	100		
41	69.3	54.1	81.1
39	38.4	32.5	48.7





#57

1,3-Dichloropropane

Concen: 48.441 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

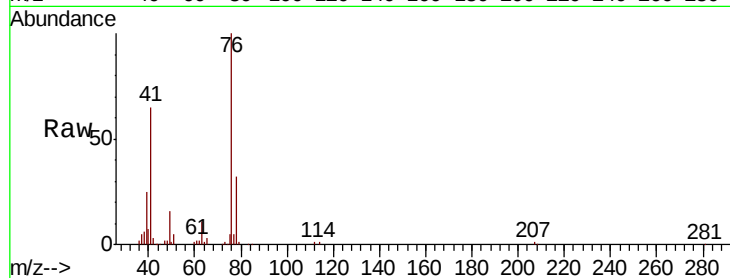
ClientSampled :

Tot Ion: 76 Resp: 182768

Ion Ratio Lower Upper

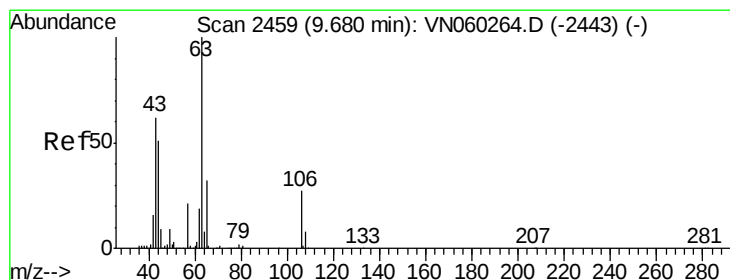
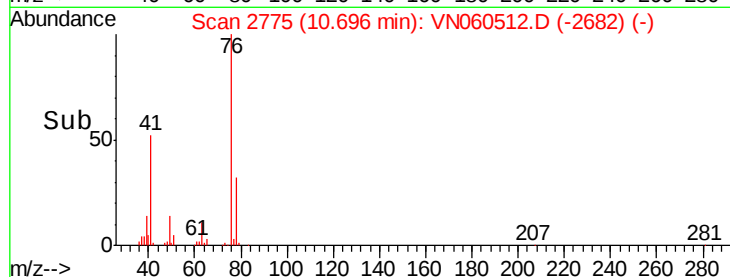
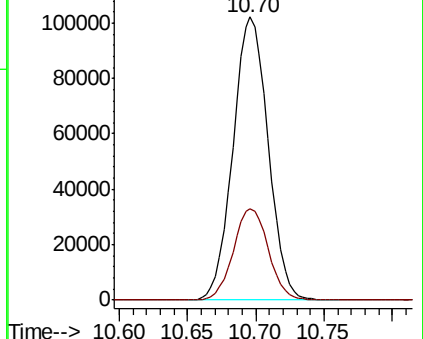
76 100

78 32.2 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN060512.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060512.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 237.261 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060512.D

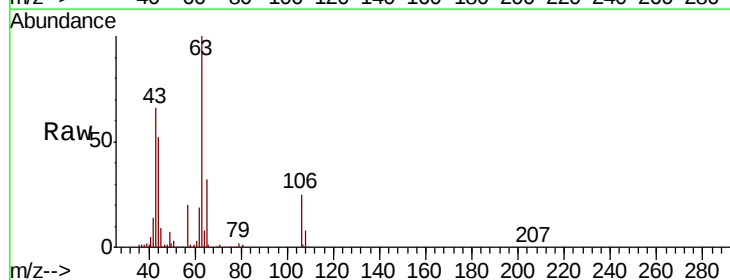
Acq: 13 Mar 2020 18:51

Tgt Ion: 63 Resp: 412451

Ion Ratio Lower Upper

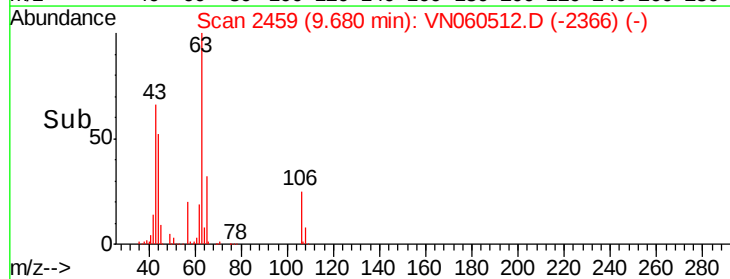
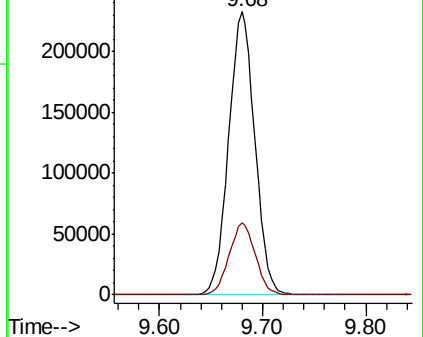
63 100

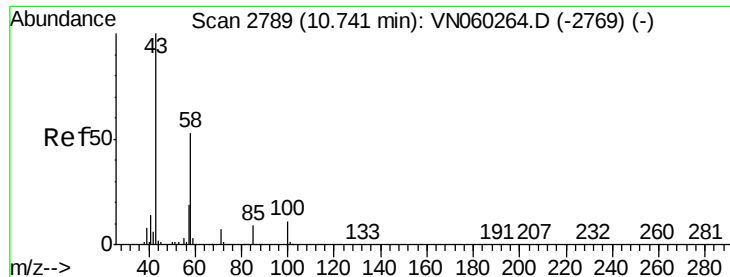
106 25.4 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN060512.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060512.D (-2366) (-)

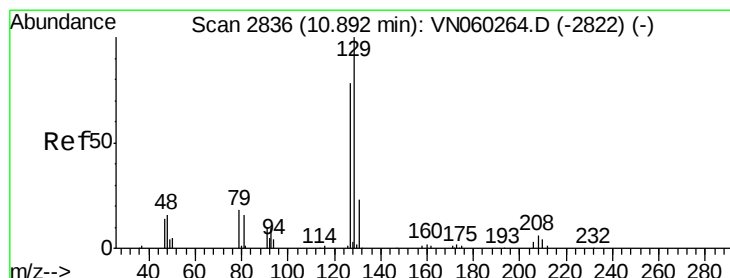
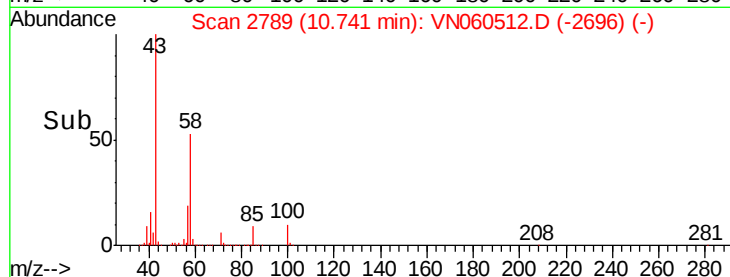
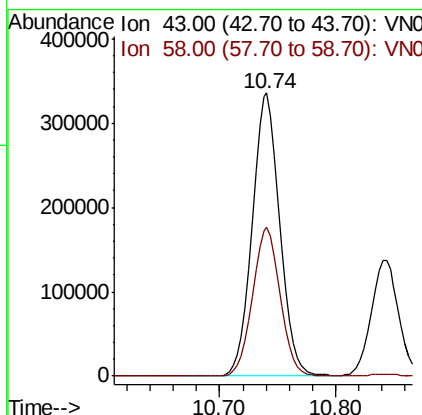
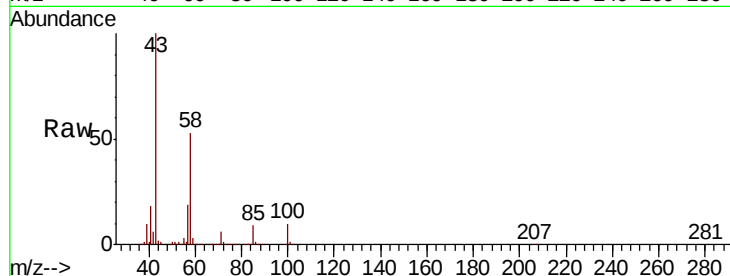




#59
2-Hexanone
Concen: 256.325 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

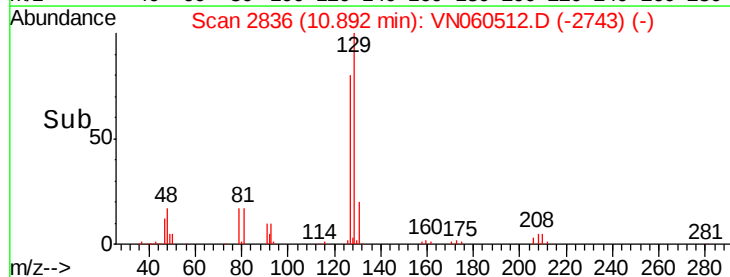
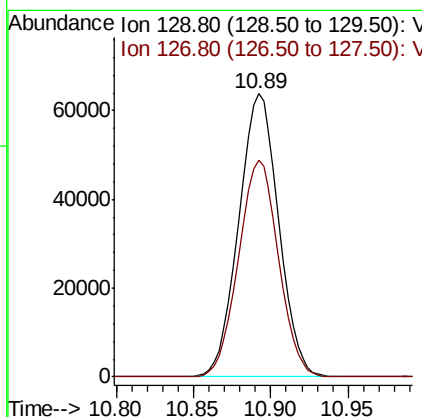
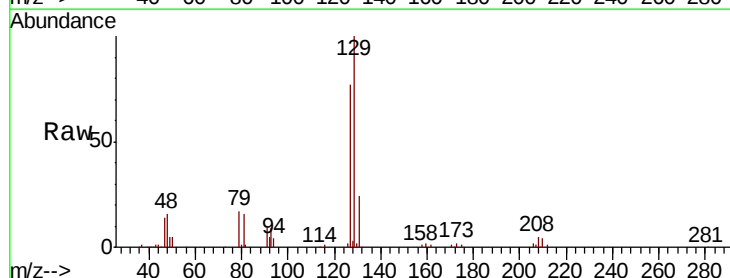
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 556600
Ion Ratio Lower Upper
43 100
58 53.0 26.5 79.5



#60
Dibromochloromethane
Concen: 48.652 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion: 129 Resp: 114469
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.7

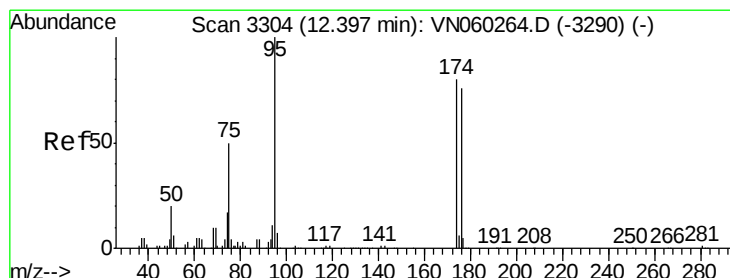
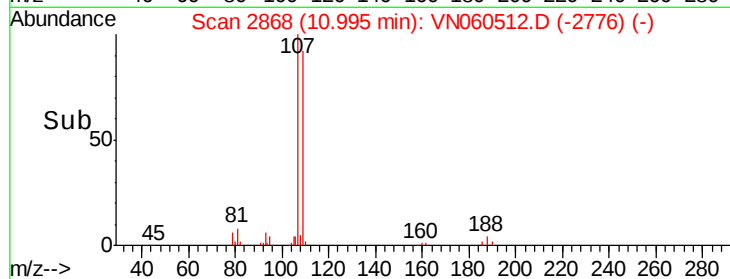
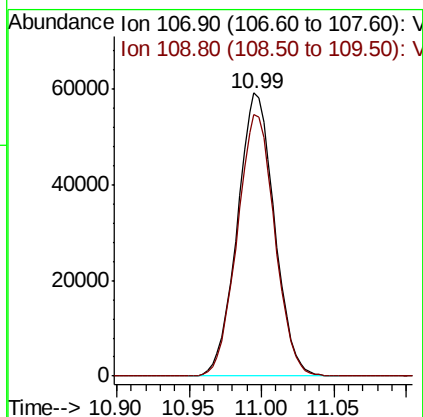
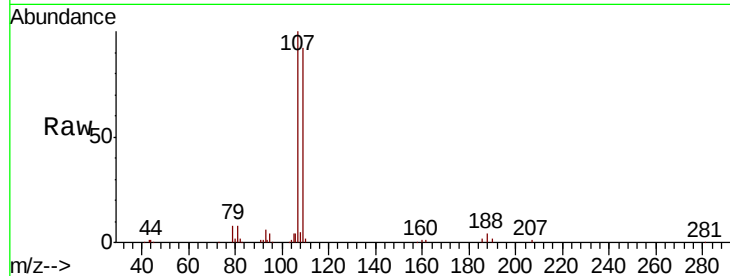




#61
 1,2-Dibromoethane
 Concen: 46.754 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

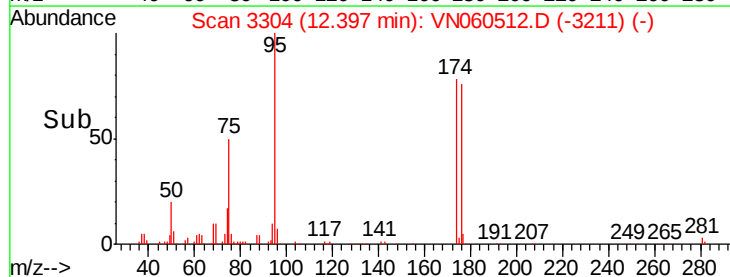
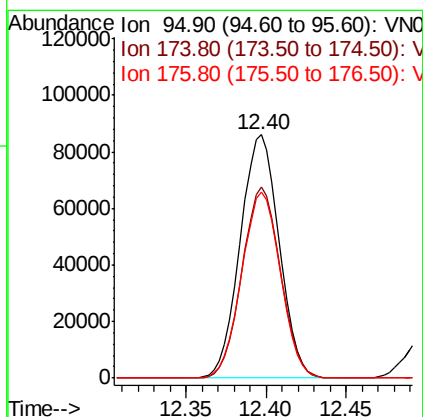
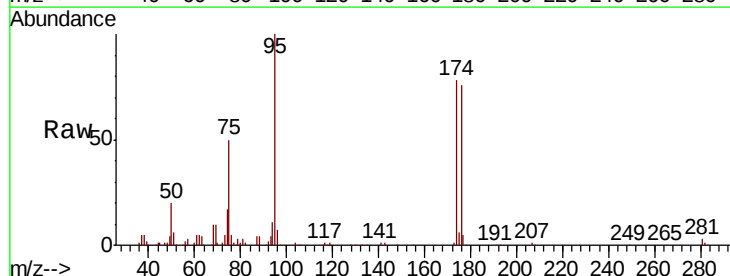
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 105447
 Ion Ratio Lower Upper
 107 100
 109 93.3 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 48.624 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Tgt Ion: 95 Resp: 142967
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 159.2
 176 76.2 0.0 153.8

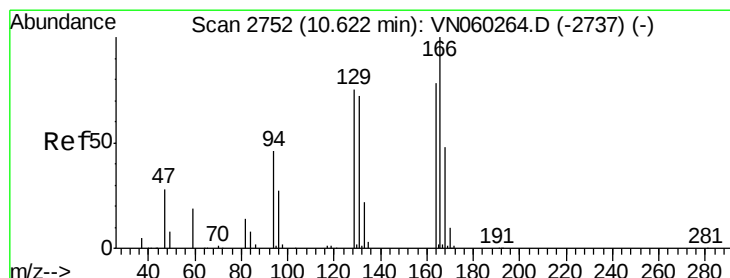
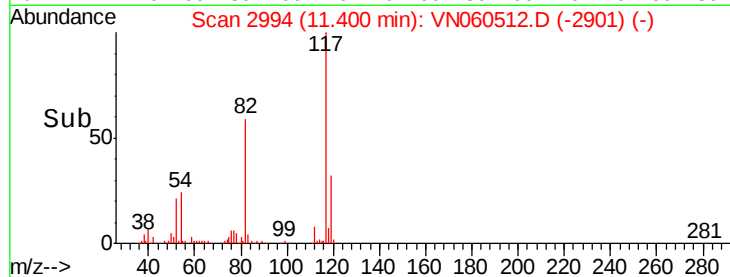
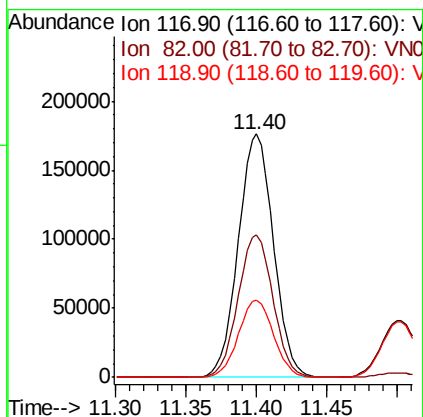
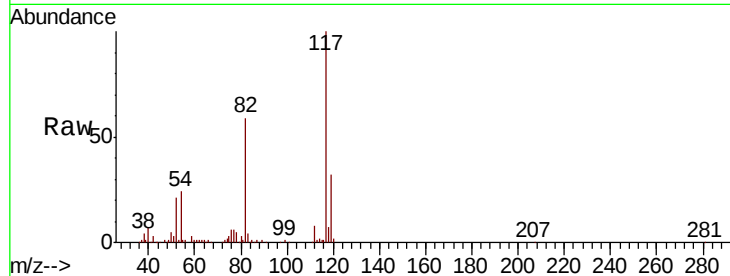




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

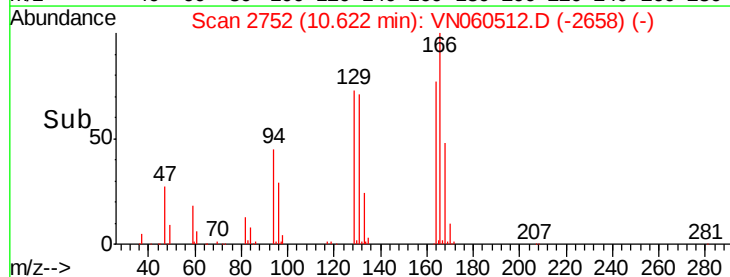
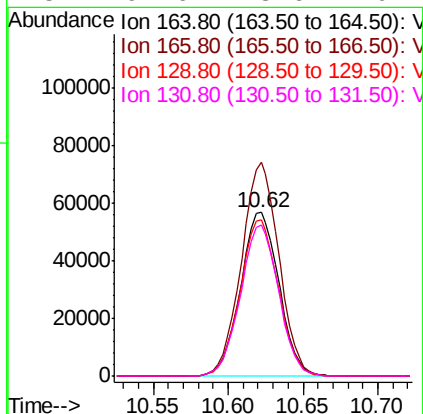
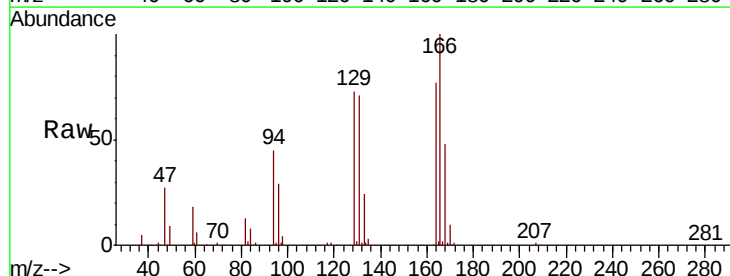
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 307848
Ion Ratio Lower Upper
117 100
82 58.6 45.8 68.6
119 31.8 25.8 38.8



#64
Tetrachloroethene
Concen: 41.632 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion:164 Resp: 101483
Ion Ratio Lower Upper
164 100
166 130.5 102.0 153.0
129 95.7 76.4 114.6
131 92.6 73.6 110.4

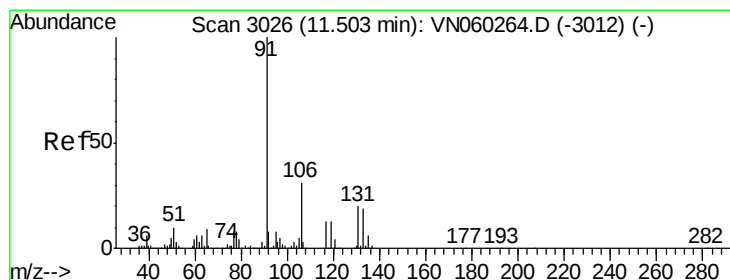
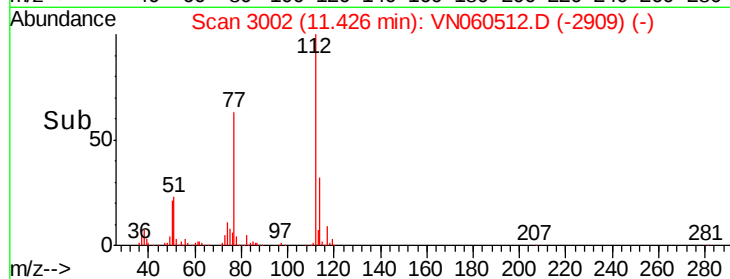
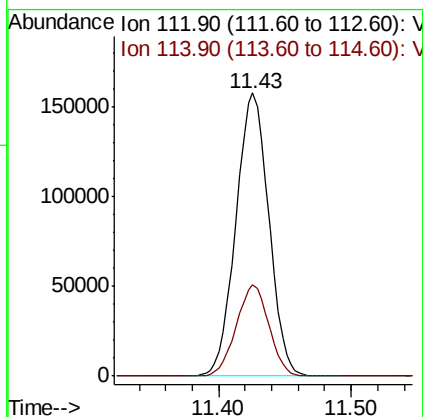
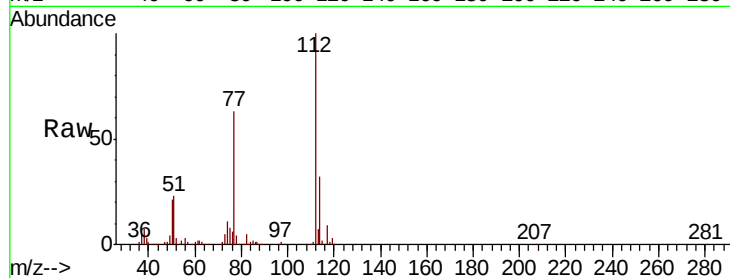




#65
Chlorobenzene
Concen: 43.724 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

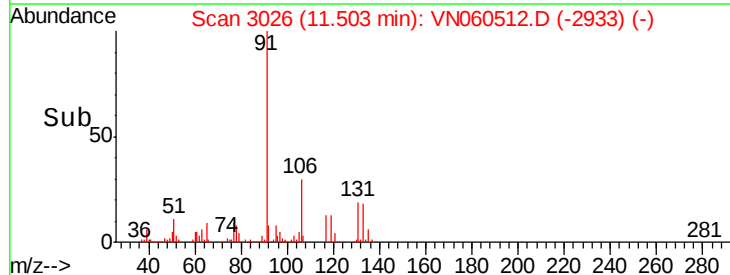
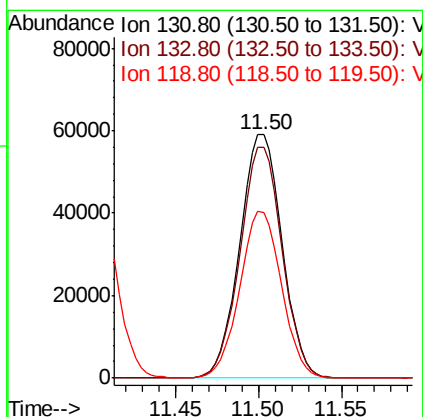
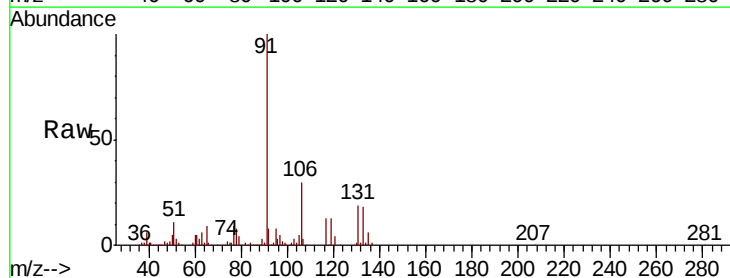
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:112 Resp: 271797
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 45.549 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion:131 Resp: 104690
Ion Ratio Lower Upper
131 100
133 94.8 47.7 143.1
119 67.5 33.2 99.6

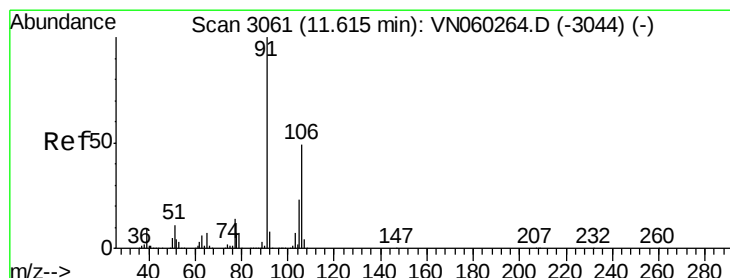
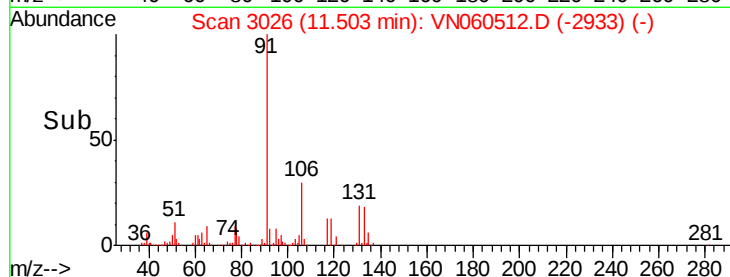
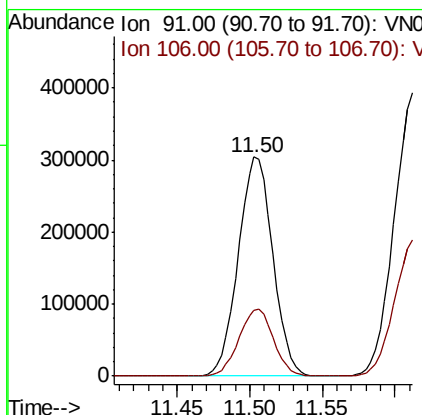
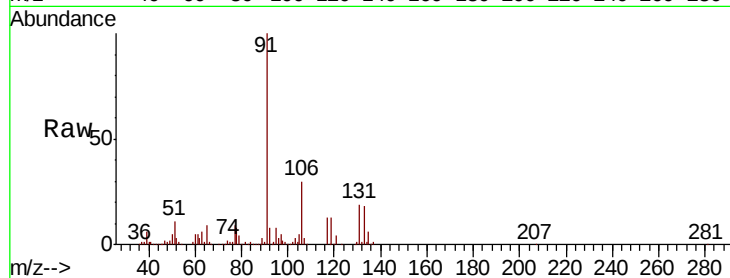




#67
Ethyl Benzene
Concen: 44.562 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

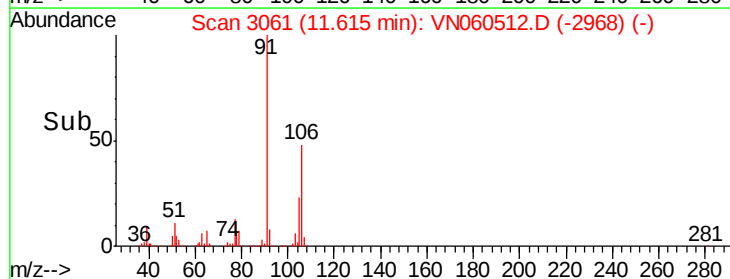
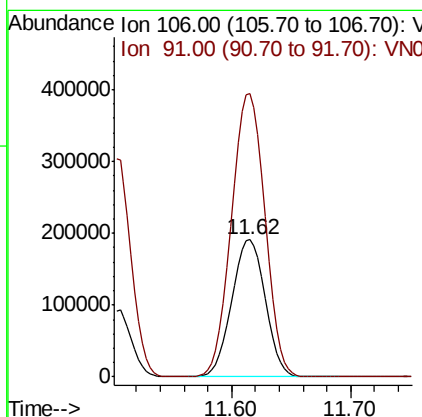
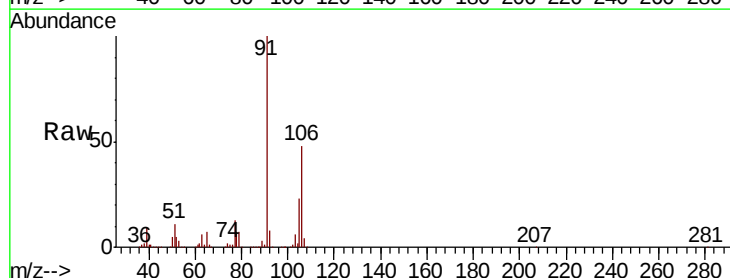
Instrument :
MSVOA_N
ClientSampled :

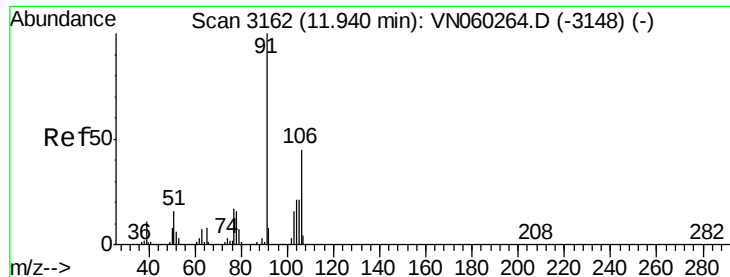
Tot Ion: 91 Resp: 504458
Ion Ratio Lower Upper
91 100
106 30.3 24.7 37.1



#68
m/p-Xylenes
Concen: 87.310 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion: 106 Resp: 372905
Ion Ratio Lower Upper
106 100
91 206.8 164.5 246.7

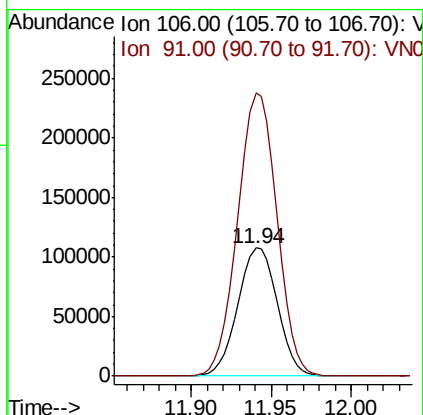
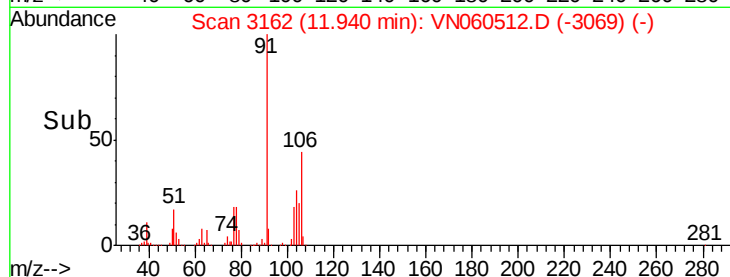
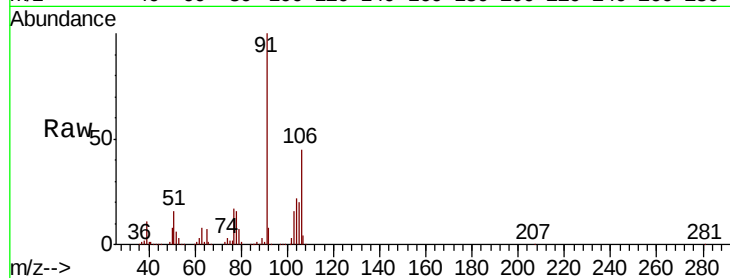




#69
o-Xylene
Concen: 44.521 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

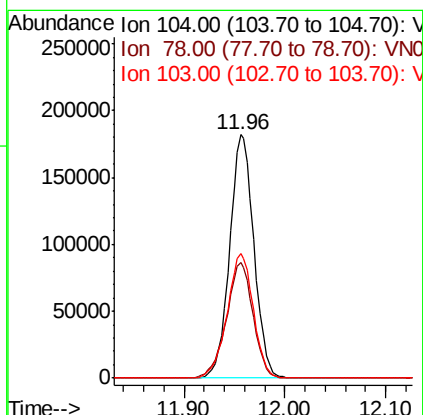
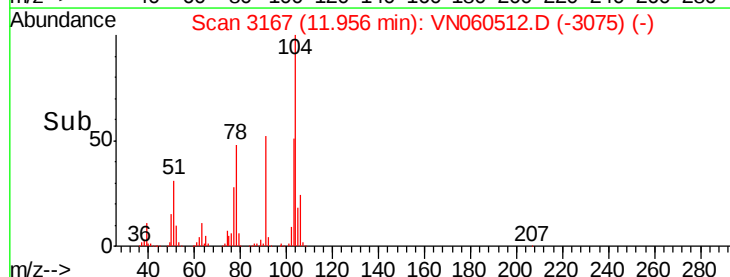
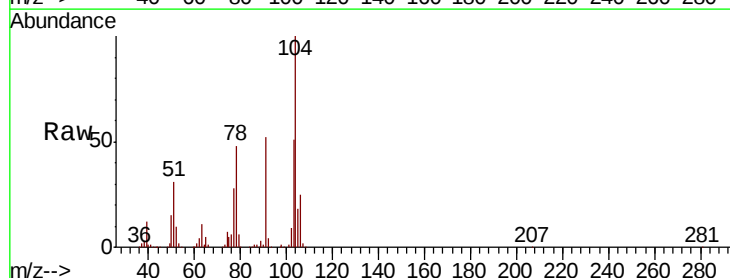
Instrument :
MSVOA_N
ClientSampled :

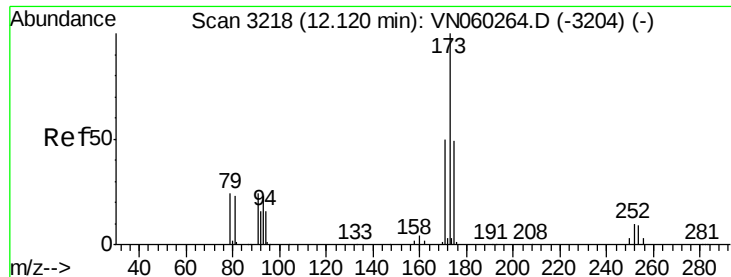
Tot Ion:106 Resp: 181324
Ion Ratio Lower Upper
106 100
91 219.4 109.5 328.4



#70
Styrene
Concen: 45.498 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion:104 Resp: 304663
Ion Ratio Lower Upper
104 100
78 52.0 41.2 61.8
103 55.3 43.9 65.9





#71

Bromoform

Concen: 49.429 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

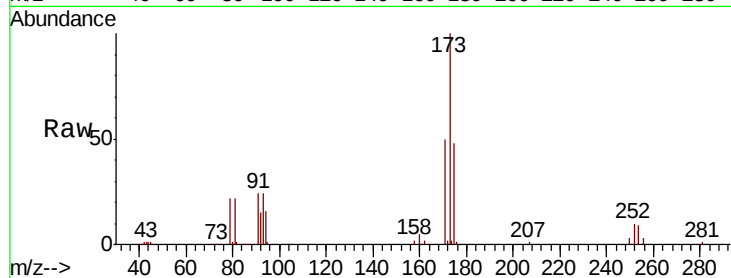
Tot Ion:173 Resp: 81878

Ion Ratio Lower Upper

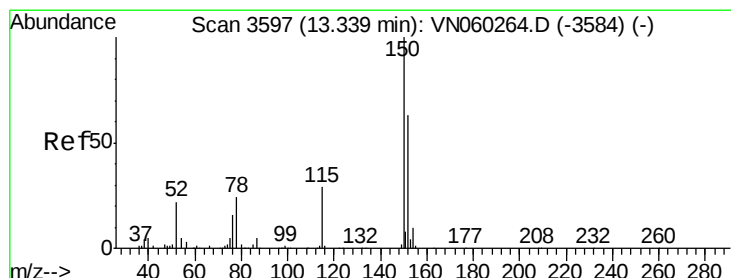
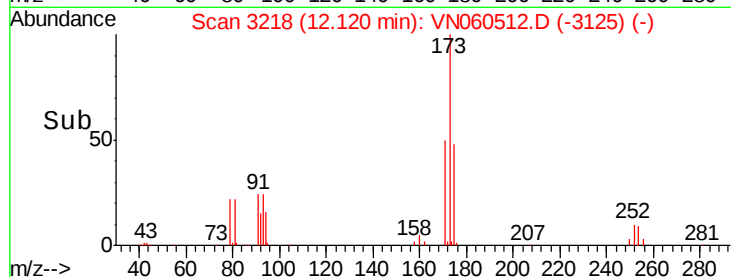
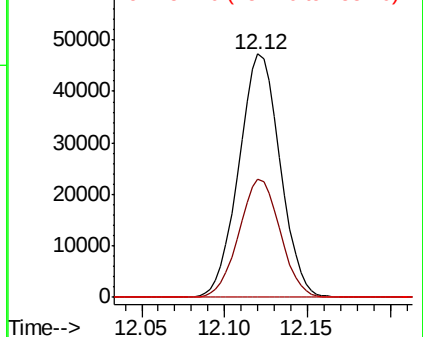
173 100

175 48.3 24.1 72.2

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: VN060512.D

Acq: 13 Mar 2020 18:51

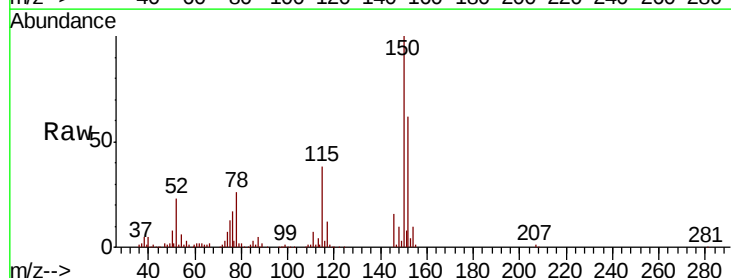
Tgt Ion:152 Resp: 149466

Ion Ratio Lower Upper

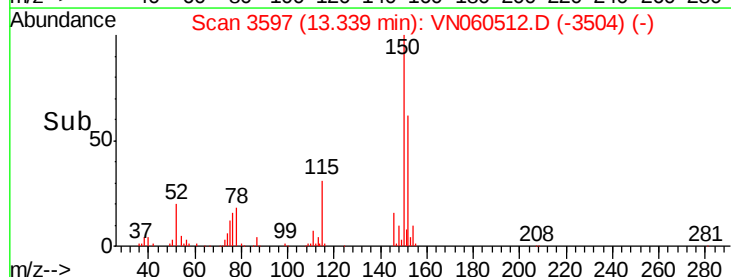
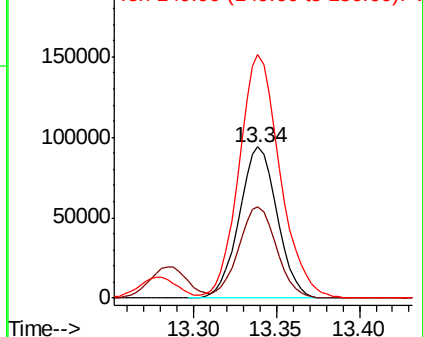
152 100

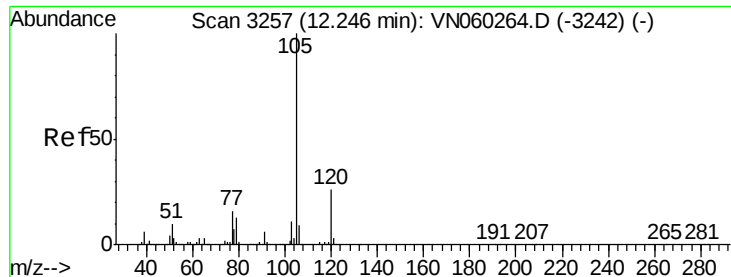
115 60.3 30.0 90.0

150 174.0 0.0 349.6



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: 44.416 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

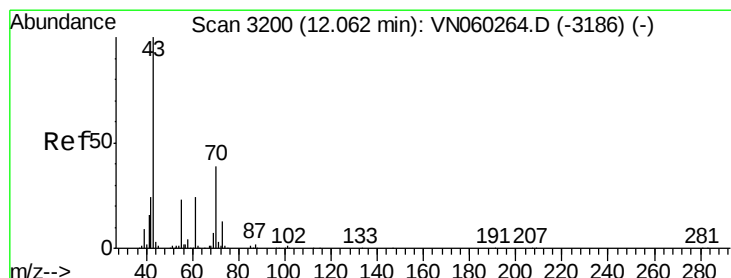
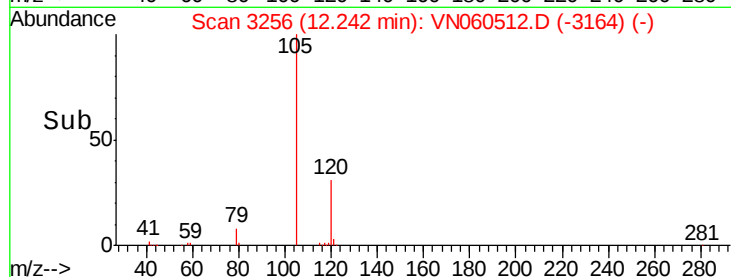
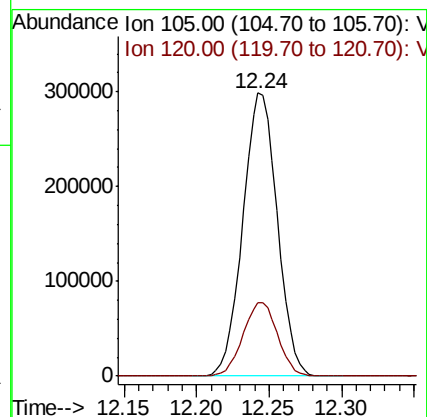
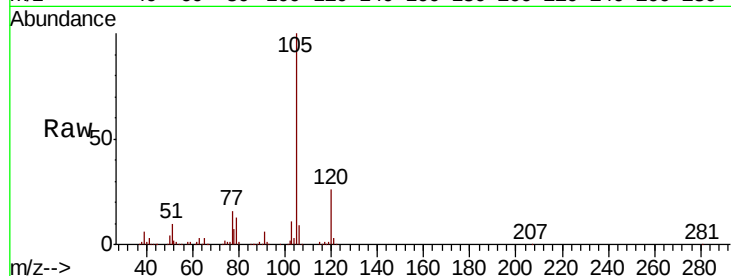
ClientSampleId :

Tot Ion:105 Resp: 492056

Ion Ratio Lower Upper

105 100

120 26.1 13.0 38.9



#74

N-ethyl acetate

Concen: 47.227 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Tgt Ion: 43 Resp: 228624

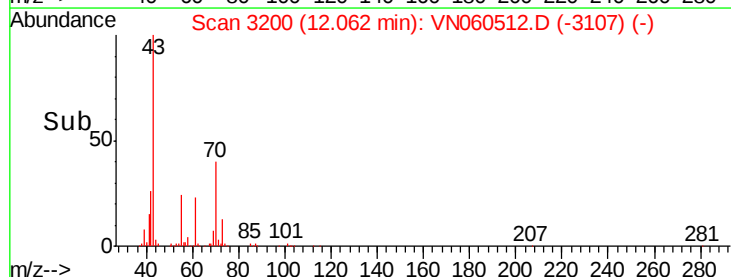
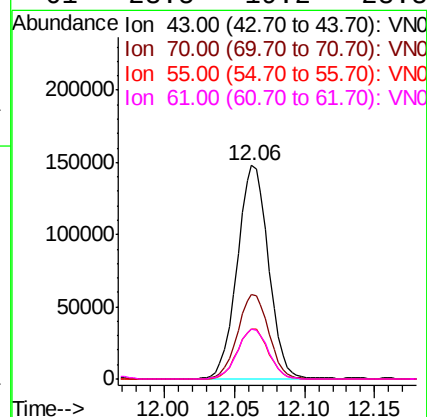
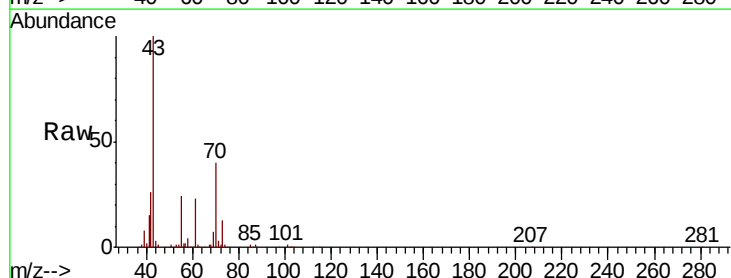
Ion Ratio Lower Upper

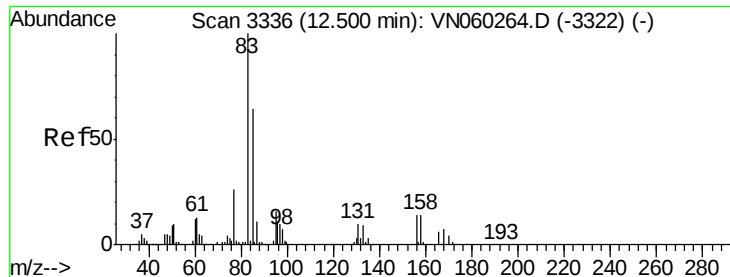
43 100

70 39.6 32.2 48.2

55 23.5 18.2 27.4

61 23.5 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.987 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

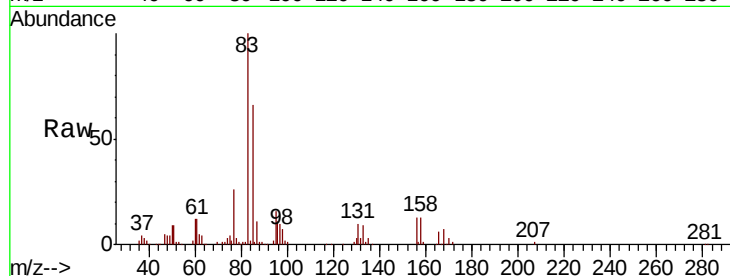
Tot Ion: 83 Resp: 156551

Ion Ratio Lower Upper

83 100

131 9.6 5.1 15.3

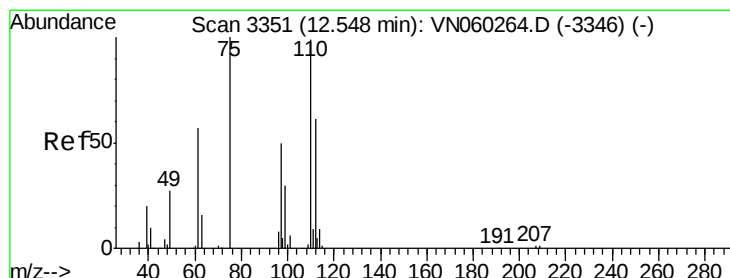
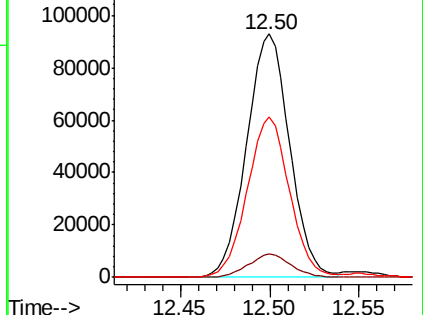
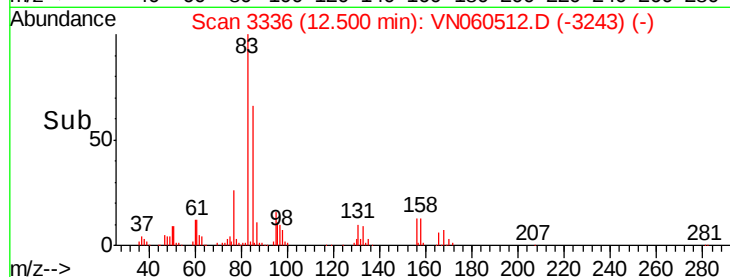
85 64.6 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060512.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060512.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060512.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 63.359 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060512.D

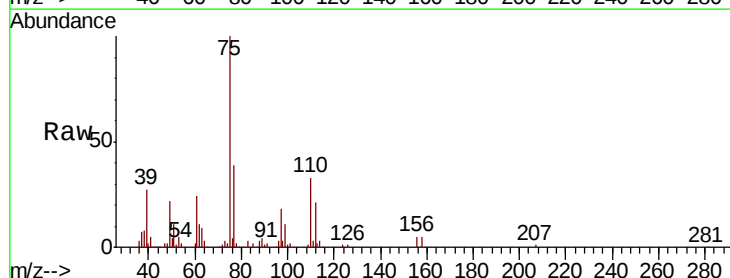
Acq: 13 Mar 2020 18:51

Tgt Ion: 75 Resp: 207774

Ion Ratio Lower Upper

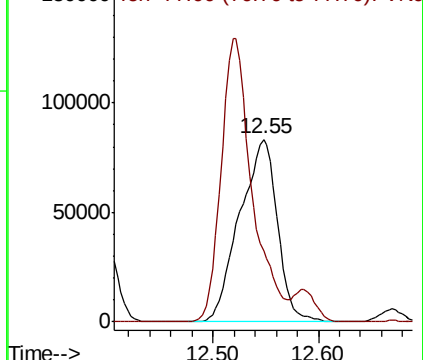
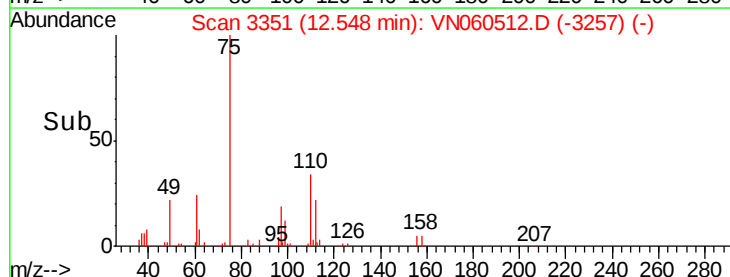
75 100

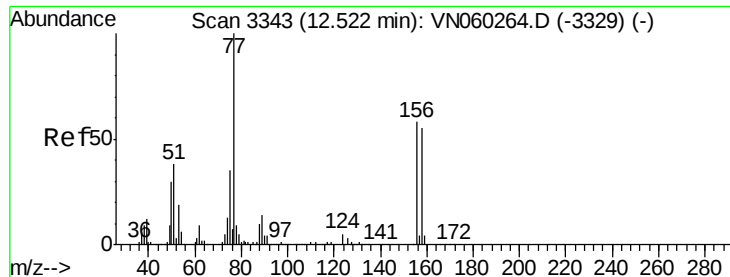
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060512.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060512.D (-3257) (-)





#77

Bromobenzene

Concen: 44.135 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

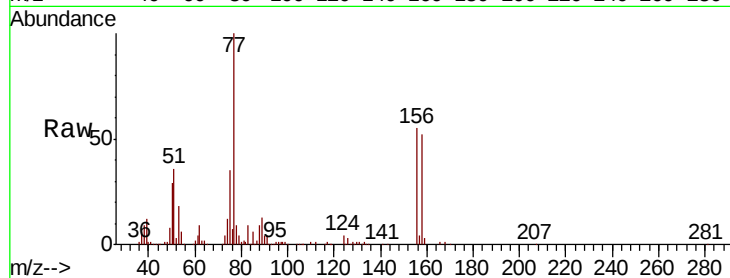
Tot Ion:156 Resp: 119852

Ion Ratio Lower Upper

156 100

77 220.0 106.1 318.3

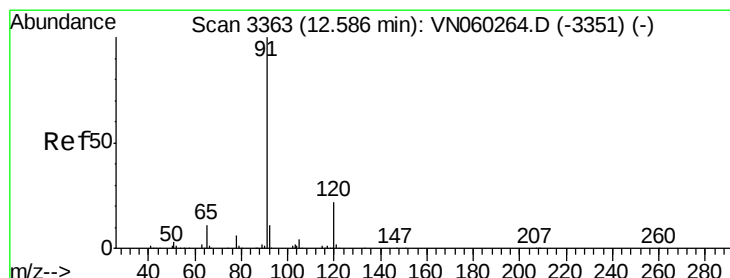
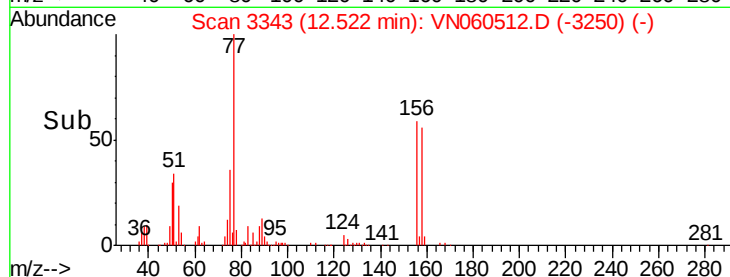
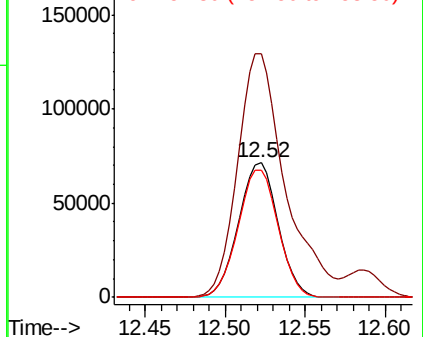
158 96.3 48.3 144.8



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: 44.308 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060512.D

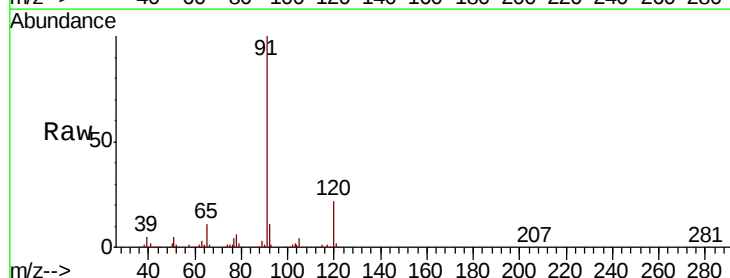
Acq: 13 Mar 2020 18:51

Tgt Ion: 91 Resp: 575367

Ion Ratio Lower Upper

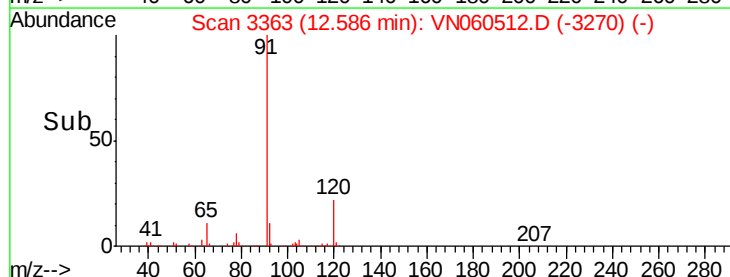
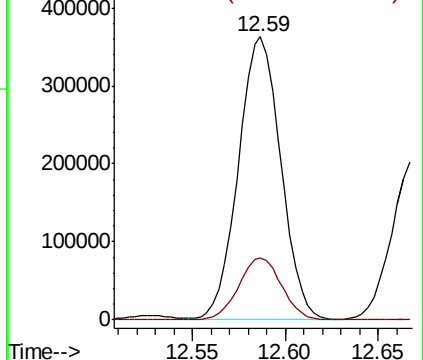
91 100

120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.070 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

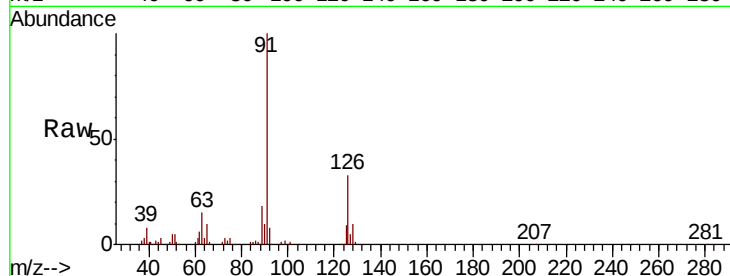
ClientSampled :

Tot Ion: 91 Resp: 344029

Ion Ratio Lower Upper

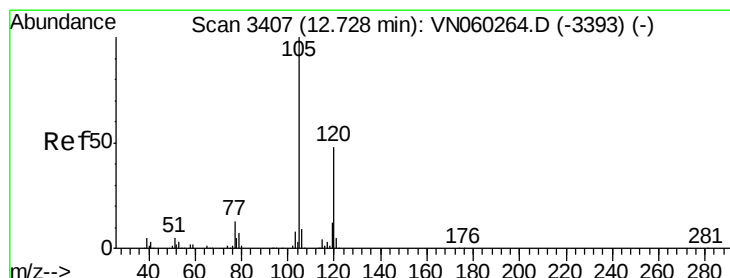
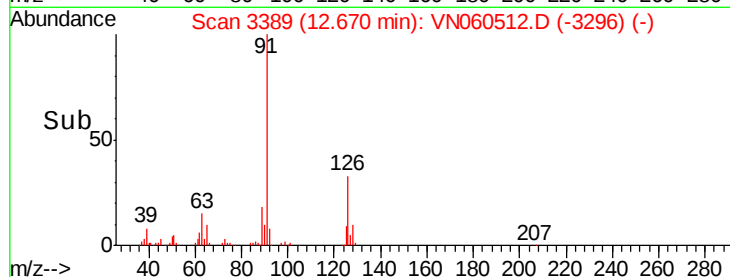
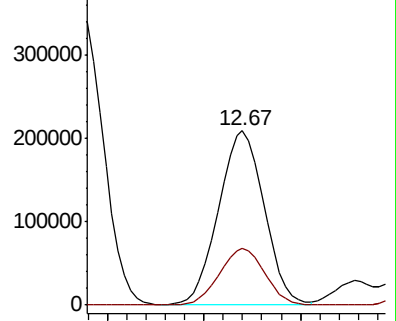
91 100

126 32.3 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060512.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060512.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 44.402 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060512.D

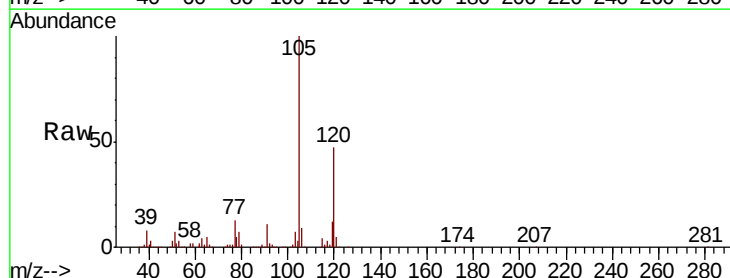
Acq: 13 Mar 2020 18:51

Tgt Ion: 105 Resp: 414156

Ion Ratio Lower Upper

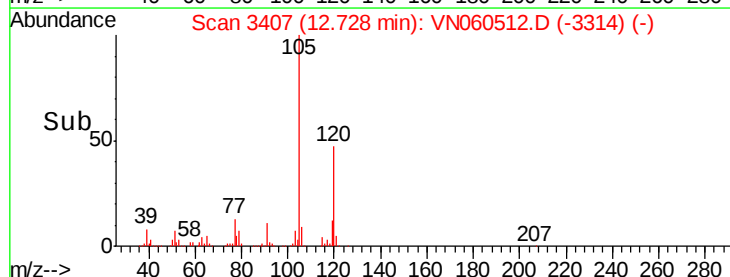
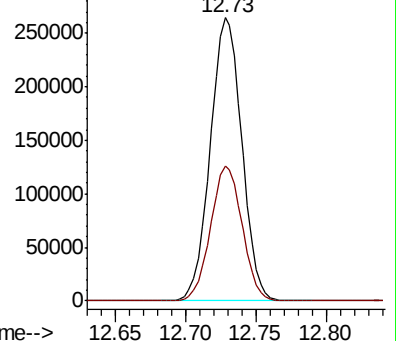
105 100

120 47.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060512.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN060512.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.806 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampled :

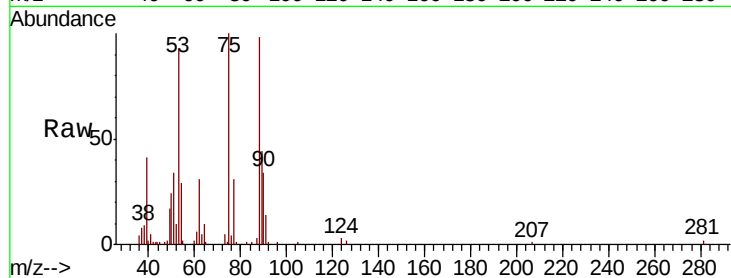
Tot Ion: 75 Resp: 55603

Ion Ratio Lower Upper

75 100

53 90.5 73.8 110.6

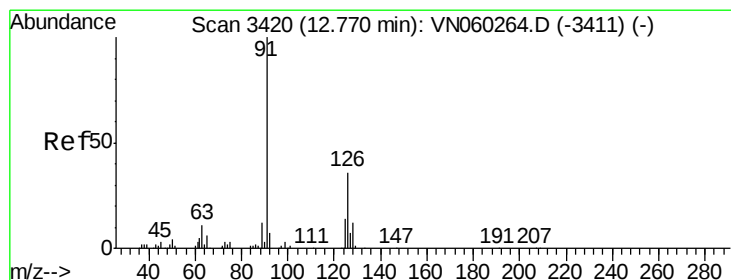
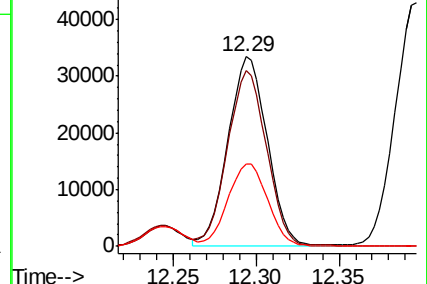
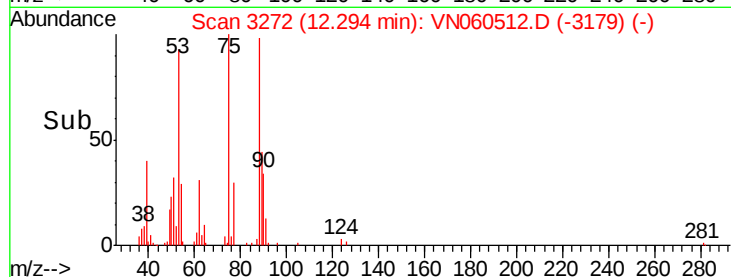
89 43.7 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060512.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060512.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060512.D (-3179) (-)



#82

4-Chlorotoluene

Concen: 44.052 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060512.D

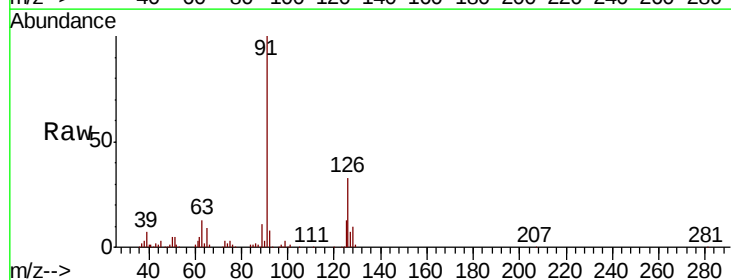
Acq: 13 Mar 2020 18:51

Tgt Ion: 91 Resp: 354280

Ion Ratio Lower Upper

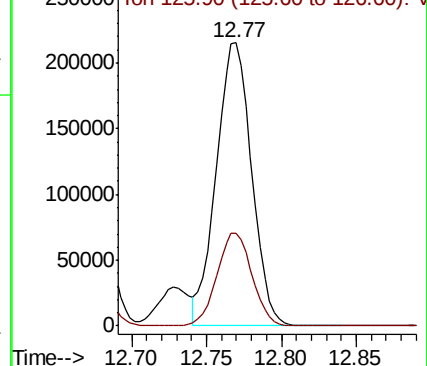
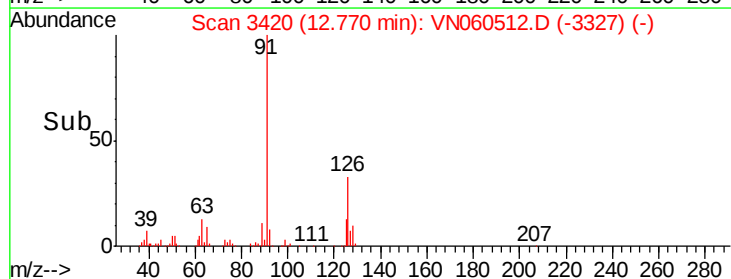
91 100

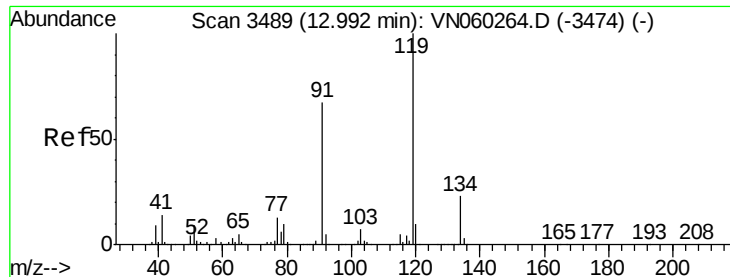
126 32.6 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN060512.D (-3327) (-)

Ion 125.90 (125.60 to 126.60): VN060512.D (-3327) (-)





#83

tert-Butylbenzene

Concen: 43.513 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampled :

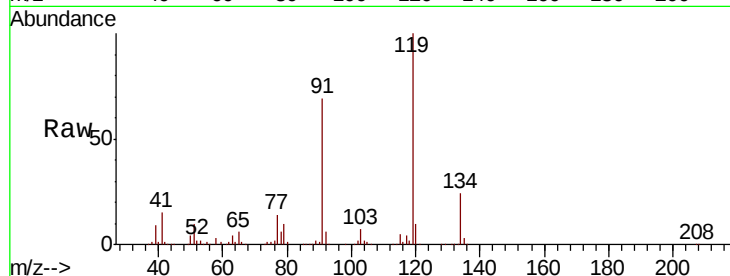
Tot Ion:119 Resp: 351399

Ion Ratio Lower Upper

119 100

91 68.1 33.1 99.2

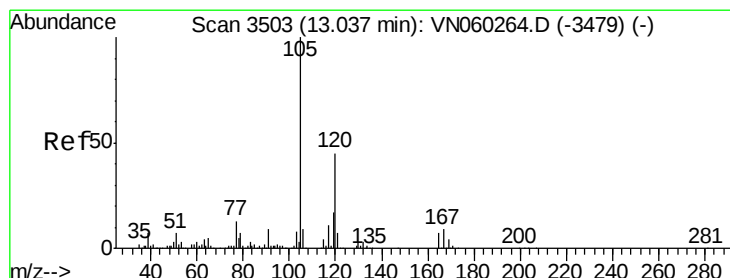
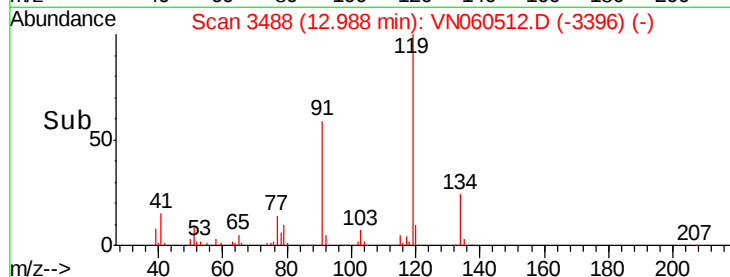
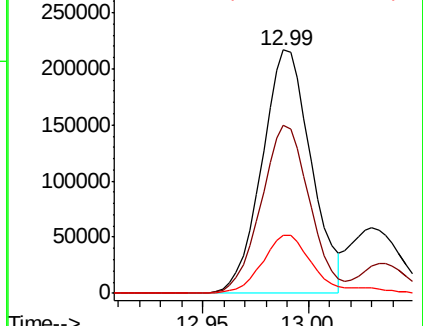
134 25.4 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 44.371 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060512.D

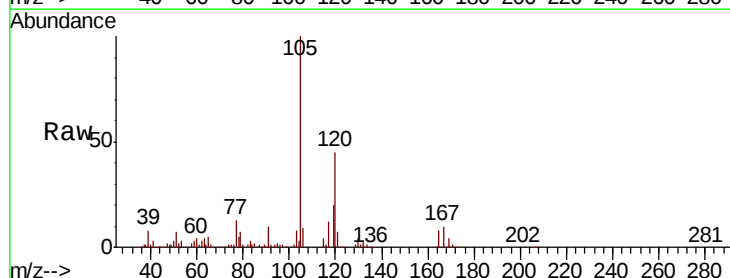
Acq: 13 Mar 2020 18:51

Tgt Ion:105 Resp: 417729

Ion Ratio Lower Upper

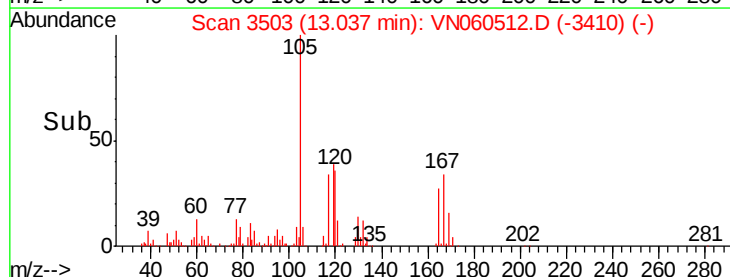
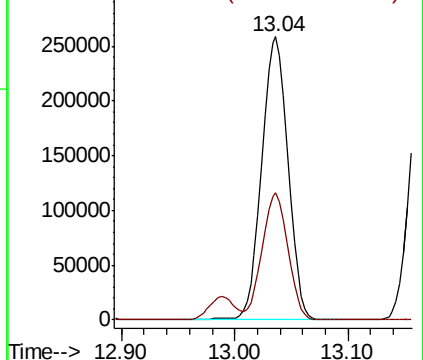
105 100

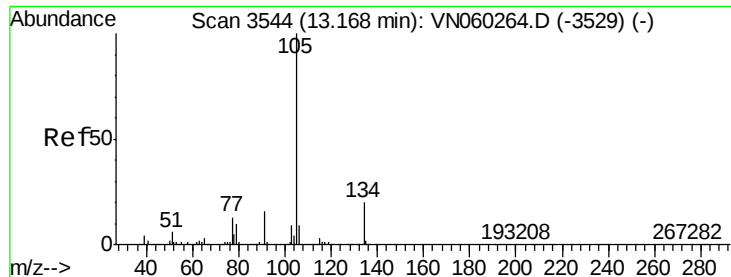
120 44.2 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 44.070 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

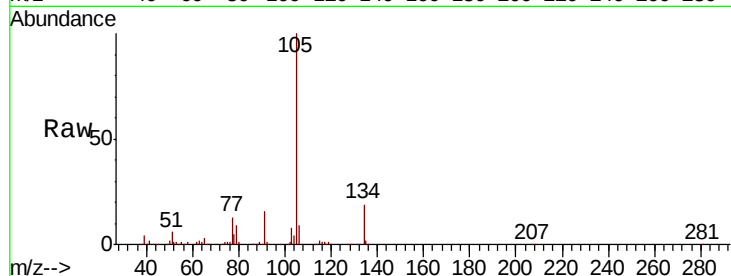
ClientSampleId :

Tot Ion:105 Resp: 476582

Ion Ratio Lower Upper

105 100

134 19.1 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

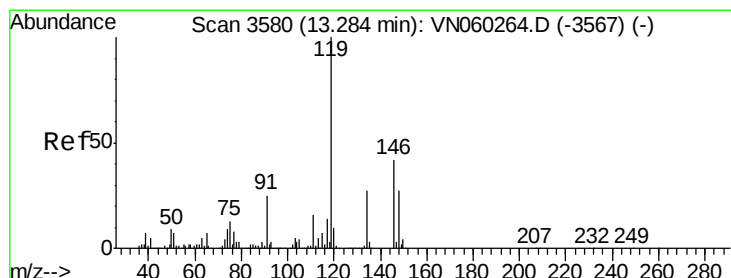
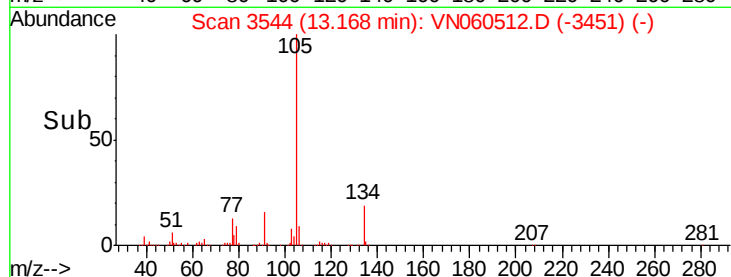
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 42.123 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

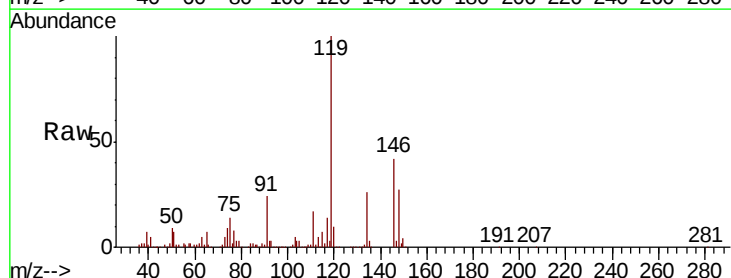
Tgt Ion:119 Resp: 421614

Ion Ratio Lower Upper

119 100

134 26.0 13.2 39.6

91 24.4 12.2 36.6



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

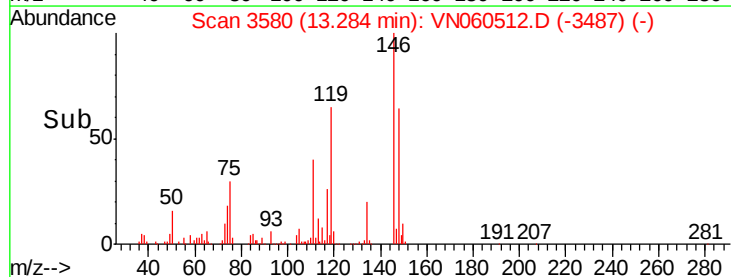
300000

200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 46.117 ug/l

RT: 13.28 min Scan# 3578

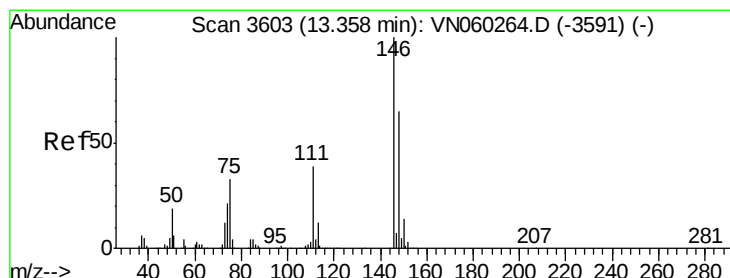
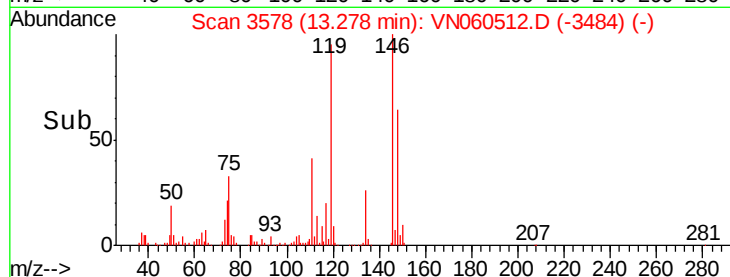
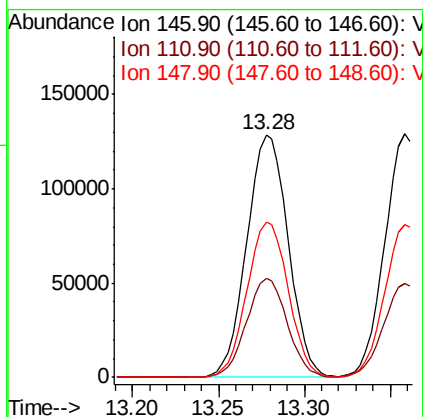
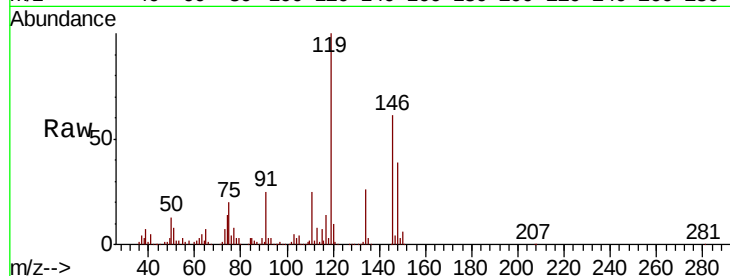
Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	63.9	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 46.293 ug/l

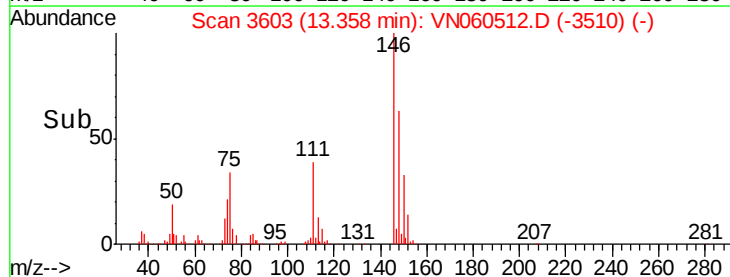
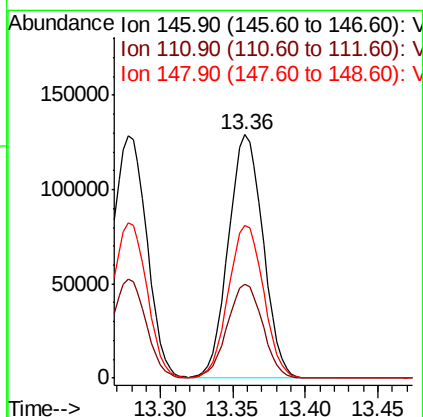
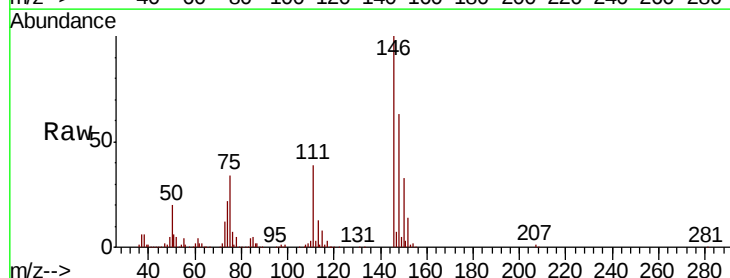
RT: 13.36 min Scan# 3603

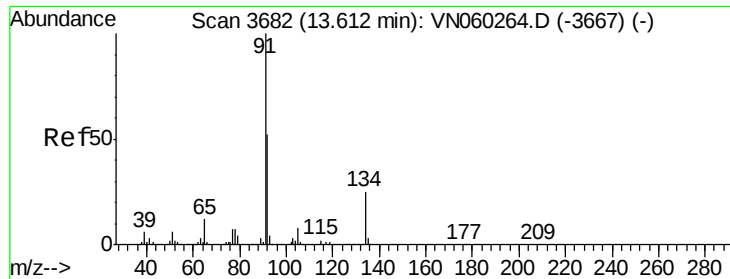
Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.4
148	63.7	32.3	96.9





#89

n-Butylbenzene

Concen: 41.825 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

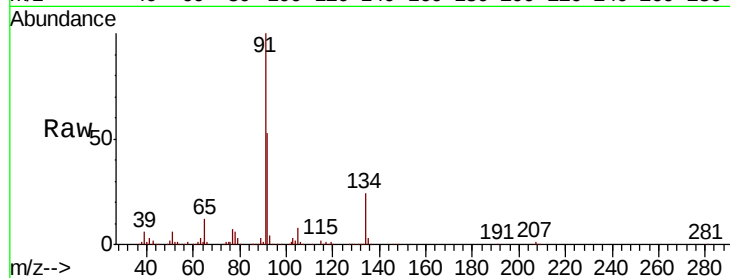
Tot Ion: 91 Resp: 384300

Ion Ratio Lower Upper

91 100

92 52.7 26.0 78.0

134 24.3 12.7 38.1

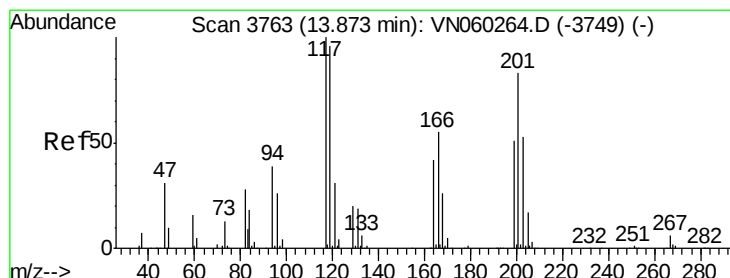
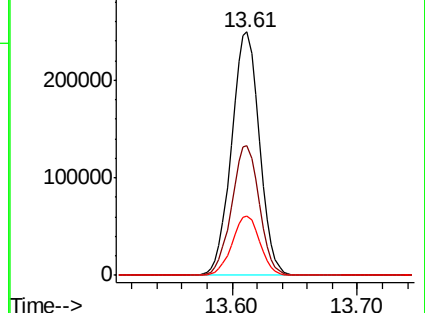
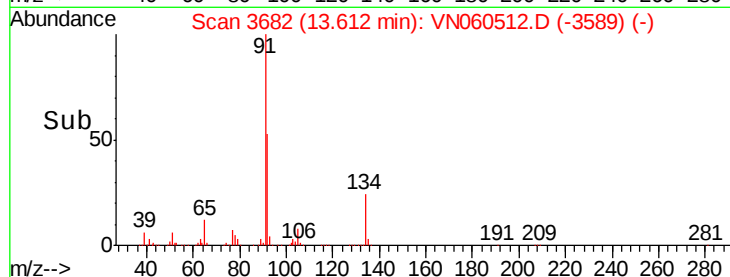


Abundance Ion 91.00 (90.70 to 91.70): VN060512.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN060512.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN060512.D (-3667) (-)

Time-->



#90

Hexachloroethane

Concen: 42.849 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN060512.D

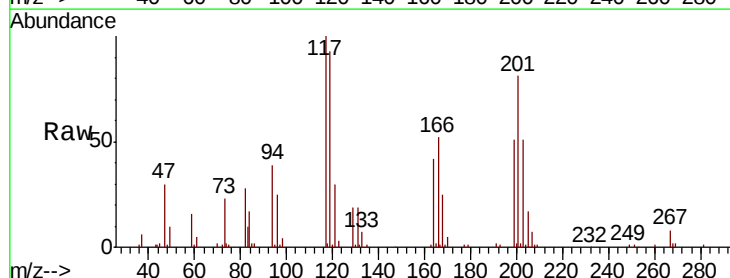
Acq: 13 Mar 2020 18:51

Tgt Ion: 117 Resp: 62079

Ion Ratio Lower Upper

117 100

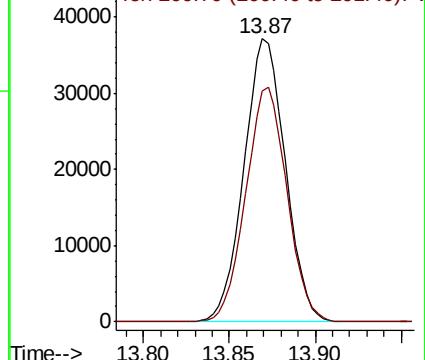
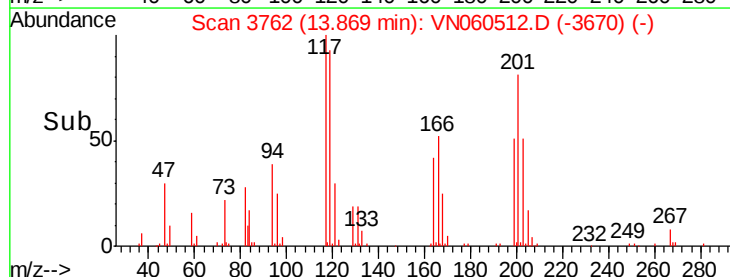
201 82.5 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): VN060512.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060512.D (-3749) (-)

Time-->

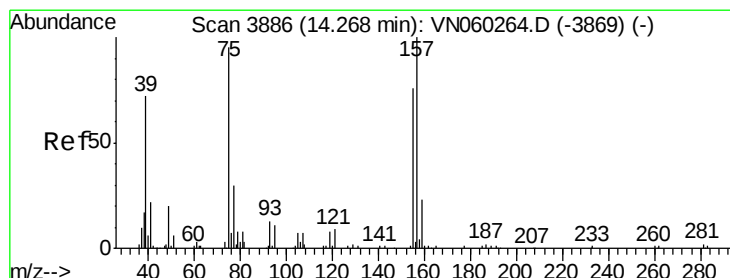
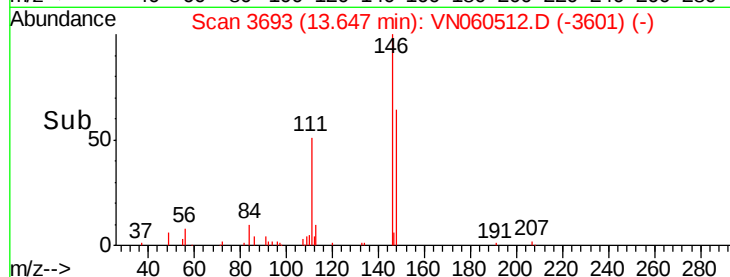
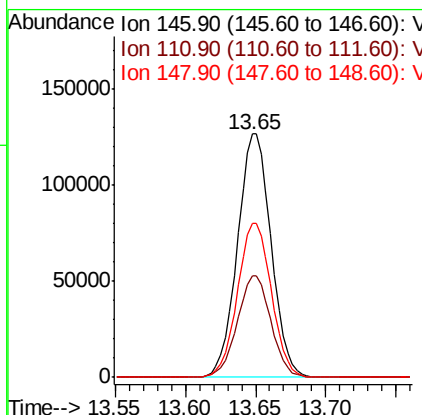
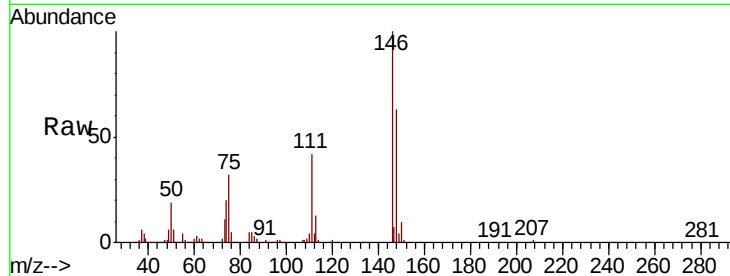




#91
 1,2-Dichlorobenzene
 Concen: 44.352 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

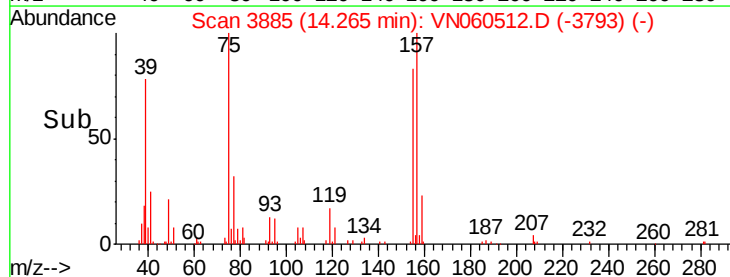
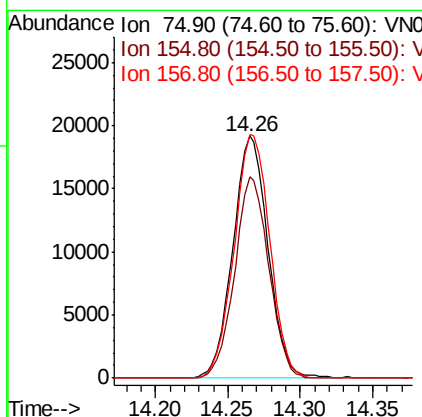
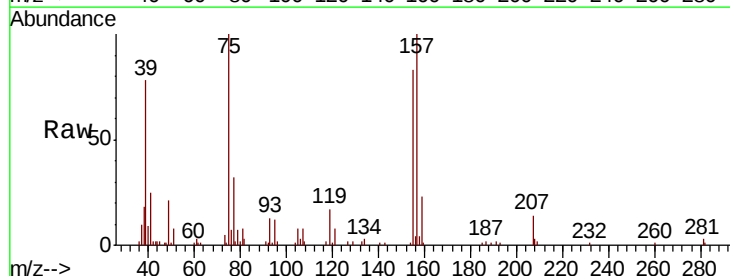
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	61.0
148	63.8	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.318 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.6	40.4	121.2
157	101.9	52.5	157.5

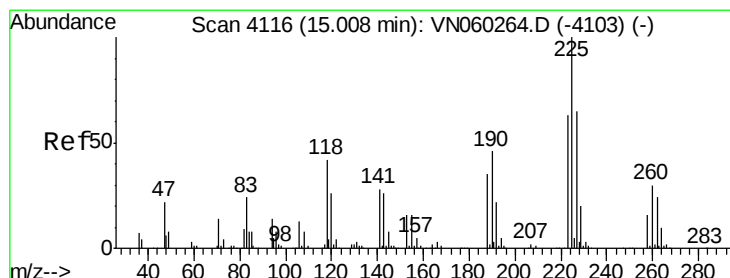
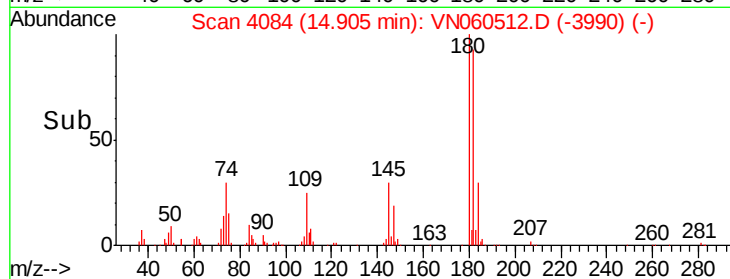
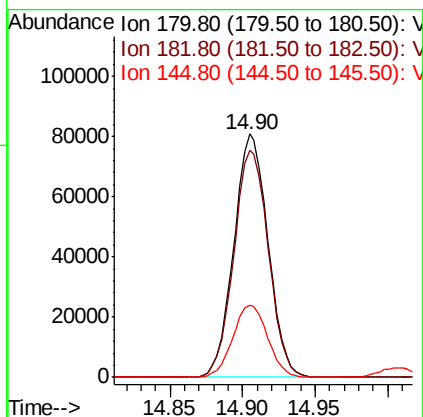
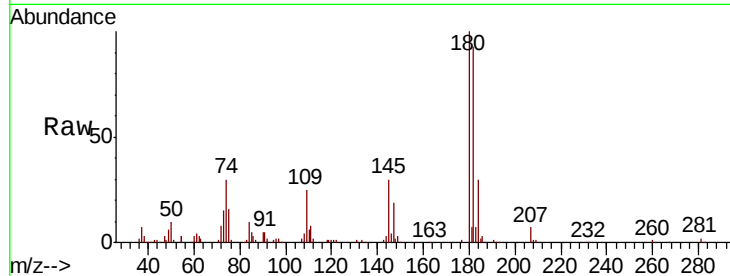




#93
 1,2,4-Trichlorobenzene
 Concen: 43.670 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

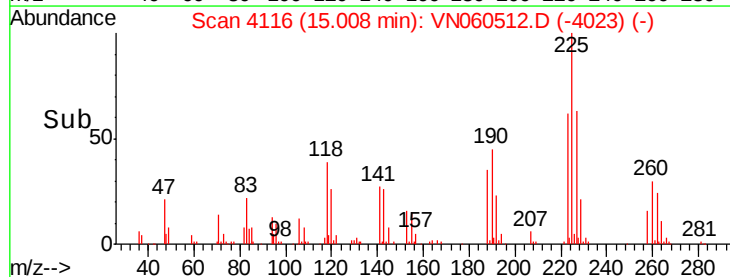
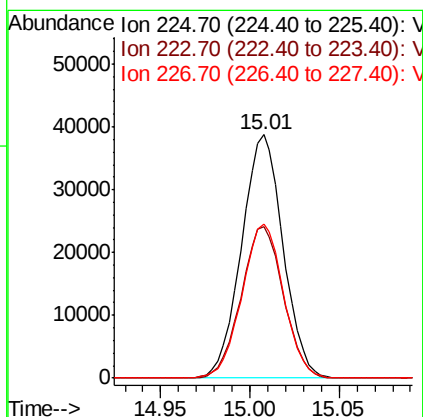
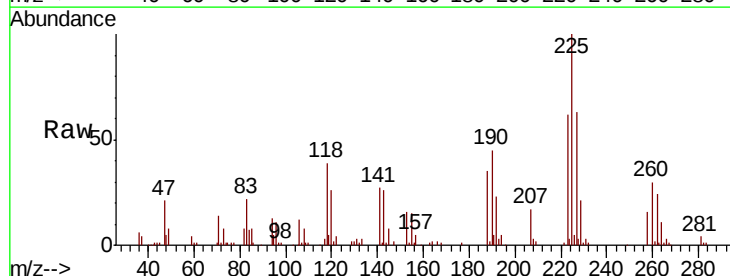
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 132004
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.8 143.3
 145 30.4 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 45.115 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Tgt Ion:225 Resp: 62782
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.3 93.9
 227 63.4 32.3 96.9

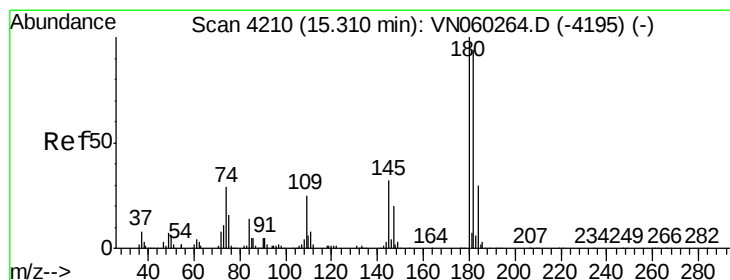
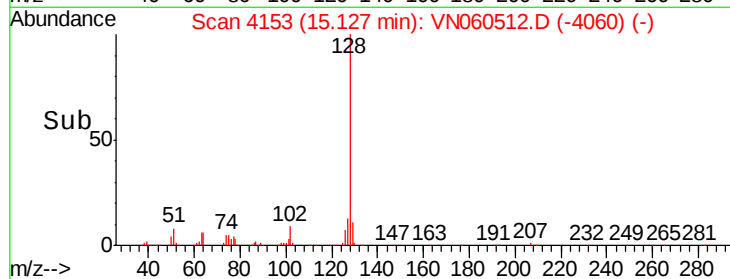
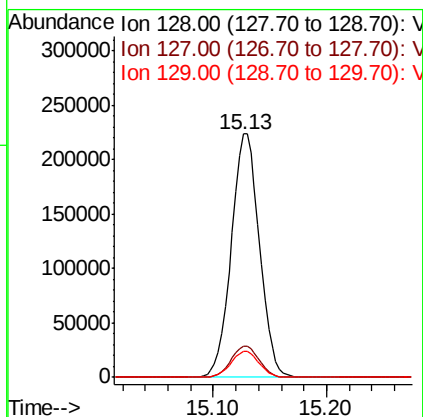
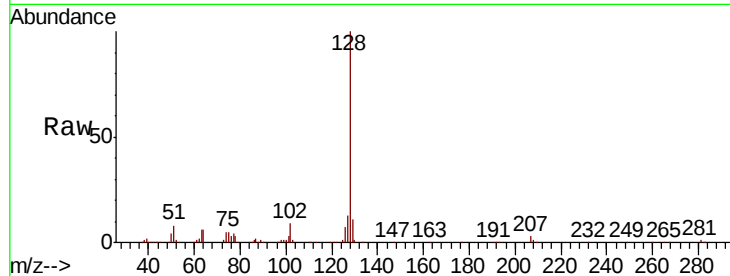




#95
Naphthalene
Concen: 43.407 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 43.214 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	142.0
145	31.4	16.2	48.5

