

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052120\
 Data File : VN061520.D
 Acq On : 21 May 2020 10:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 22 07:09:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	320001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	551634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	525710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	264857	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	193687	40.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.12%	
35) Dibromofluoromethane	7.54	113	142459	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	10.06	98	635929	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
62) 4-Bromofluorobenzene	12.37	95	243636	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	127535	47.931	ug/l	98
3) Chloromethane	2.03	50	172882	39.836	ug/l	99
4) Vinyl Chloride	2.16	62	250910	40.397	ug/l	99
5) Bromomethane	2.53	94	142466	44.956	ug/l	99
6) Chloroethane	2.67	64	165350	39.553	ug/l	100
7) Trichlorofluoromethane	2.98	101	345188	45.777	ug/l	99
8) Diethyl Ether	3.37	74	97918	44.581	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.72	101	154854	49.383	ug/l	98
10) Methyl Iodide	3.91	142	180515	47.396	ug/l	98
11) Tert butyl alcohol	4.73	59	116688	212.049	ug/l	100
12) 1,1-Dichloroethene	3.69	96	155503	47.408	ug/l	85
13) Acrolein	3.56	56	98456	250.830	ug/l	99
14) Allyl chloride	4.27	41	217486	40.742	ug/l	96
15) Acrylonitrile	4.92	53	331167	203.129	ug/l	98
16) Acetone	3.77	43	352199	290.096	ug/l	98
17) Carbon Disulfide	4.01	76	332332	47.029	ug/l	99
18) Methyl Acetate	4.27	43	133026	40.410	ug/l	95
19) Methyl tert-butyl Ether	4.98	73	537847	43.209	ug/l	98
20) Methylene Chloride	4.50	84	177755	45.287	ug/l	93
21) trans-1,2-Dichloroethene	4.98	96	177066	46.814	ug/l	93
22) Diisopropyl ether	5.90	45	493564	41.146	ug/l	97
23) Vinyl Acetate	5.84	43	1920607	201.344	ug/l	96
24) 1,1-Dichloroethane	5.79	63	305091	43.605	ug/l	97
25) 2-Butanone	6.78	43	454528	209.027	ug/l	95
26) 2,2-Dichloropropane	6.77	77	300690	45.082	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	213728	47.838	ug/l	92
28) Bromochloromethane	7.14	49	121128	40.786	ug/l	83
29) Tetrahydrofuran	7.16	42	270228	187.644	ug/l	93
30) Chloroform	7.32	83	341557	46.739	ug/l	99
31) Cyclohexane	7.61	56	261514	41.989	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	311879	46.704	ug/l	97
36) 1,1-Dichloropropene	7.75	75	247840	48.049	ug/l	97
37) Ethyl Acetate	6.88	43	182154	38.940	ug/l	98
38) Carbon Tetrachloride	7.73	117	250865	52.819	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	290649	46.135	ug/l	94
40) Benzene	8.00	78	750377	48.274	ug/l	99
41) Methacrylonitrile	7.12	41	79835	40.408	ug/l	92
42) 1,2-Dichloroethane	8.08	62	254796	45.497	ug/l	98
43) Isopropyl Acetate	8.12	43	329908	40.437	ug/l	97
44) Trichloroethene	8.80	130	223606	54.900	ug/l	93
45) 1,2-Dichloropropane	9.08	63	182563	46.922	ug/l	100
46) Dibromomethane	9.17	93	133953	49.112	ug/l	94
47) Bromodichloromethane	9.37	83	278273	48.423	ug/l	99
48) Methyl methacrylate	9.17	41	150066	39.817	ug/l	94
49) 1,4-Dioxane	9.16	88	50384	1281.608	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	923904	207.879	ug/l	97
52) Toluene	10.12	92	505069	50.611	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	300374	47.689	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	323764	48.354	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	191688	50.806	ug/l	97
56) Ethyl methacrylate	10.40	69	274367	46.514	ug/l	94
57) 1,3-Dichloropropane	10.68	76	314243	48.194	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	599083	231.386	ug/l	93
59) 2-Hexanone	10.72	43	710464	220.950	ug/l	97
60) Dibromochloromethane	10.87	129	224765	53.856	ug/l	100
61) 1,2-Dibromoethane	10.98	107	204158	51.464	ug/l	100
64) Tetrachloroethene	10.60	164	221379	54.431	ug/l	98
65) Chlorobenzene	11.40	112	548692	51.182	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	205620	53.501	ug/l	98
67) Ethyl Benzene	11.48	91	987572	50.466	ug/l	98
68) m/p-Xylenes	11.59	106	773667	104.158	ug/l	95
69) o-Xylene	11.92	106	368334	51.243	ug/l	95
70) Styrene	11.94	104	623866	52.412	ug/l	97
71) Bromoform	12.10	173	147451	49.364	ug/l #	100
73) Isopropylbenzene	12.22	105	972657	45.745	ug/l	98
74) N-amyl acetate	12.04	43	291636	37.472	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	249718	42.688	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	328999	57.890	ug/l #	100
77) Bromobenzene	12.50	156	238306	51.643	ug/l	86
78) n-propylbenzene	12.56	91	1107603	45.719	ug/l	97
79) 2-Chlorotoluene	12.65	91	644079	44.978	ug/l	95
80) 1,3,5-Trimethylbenzene	12.71	105	821673	47.196	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	86253	40.261	ug/l	97
82) 4-Chlorotoluene	12.74	91	682900	46.057	ug/l	96
83) tert-Butylbenzene	12.97	119	685870	45.992	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	826264	47.423	ug/l	98
85) sec-Butylbenzene	13.15	105	912826	45.268	ug/l	98
86) p-Isopropyltoluene	13.26	119	843080	47.083	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	438532	51.928	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	442649	52.338	ug/l	97
89) n-Butylbenzene	13.59	91	727187	44.701	ug/l	98
90) Hexachloroethane	13.85	117	110877	45.689	ug/l	93
91) 1,2-Dichlorobenzene	13.63	146	415763	51.323	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	47902	40.537	ug/l	86

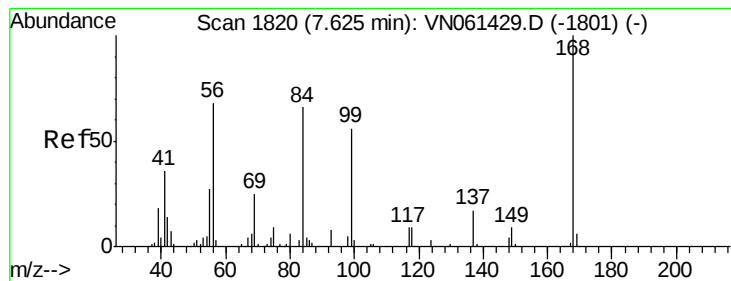
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Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	234892	53.476	ug/l	98
94) Hexachlorobutadiene	14.98	225	90804	46.527	ug/l	99
95) Naphthalene	15.10	128	697464	49.947	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	226173	51.724	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

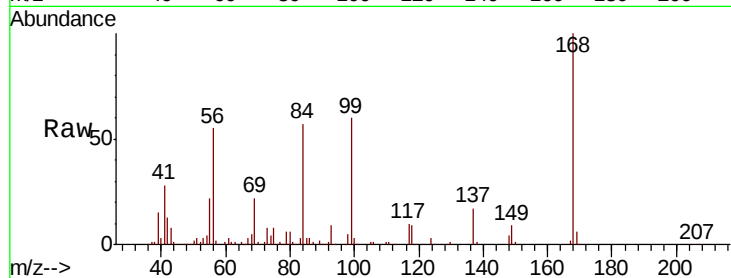
ClientSampleId :

Tot Ion:168 Resp: 320001

Ion Ratio Lower Upper

168 100

99 59.5 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

150000

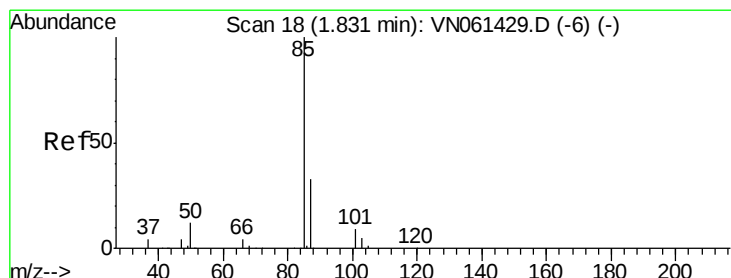
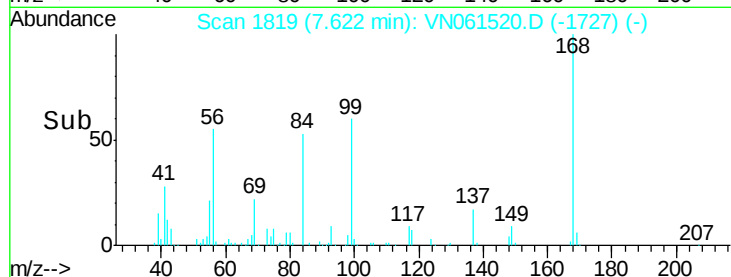
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.931 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN061520.D

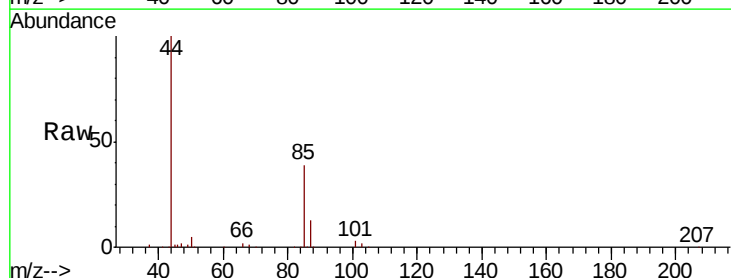
Acq: 21 May 2020 10:02

Tgt Ion: 85 Resp: 127535

Ion Ratio Lower Upper

85 100

87 33.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

60000

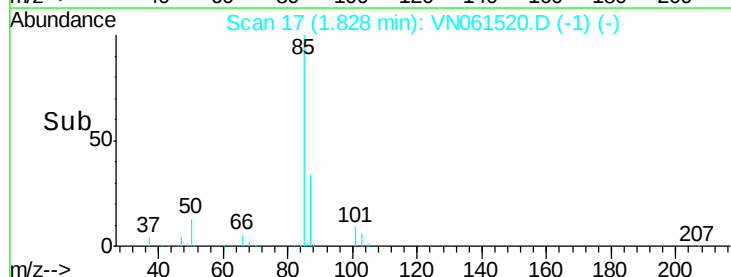
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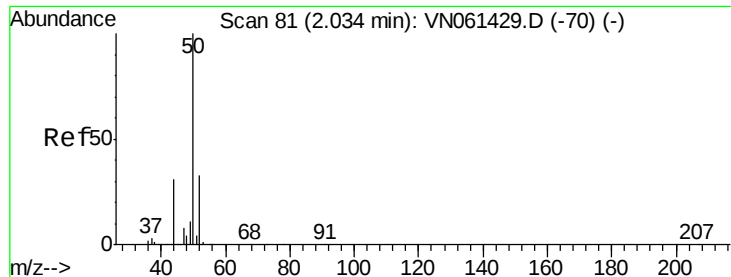
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 39.836 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

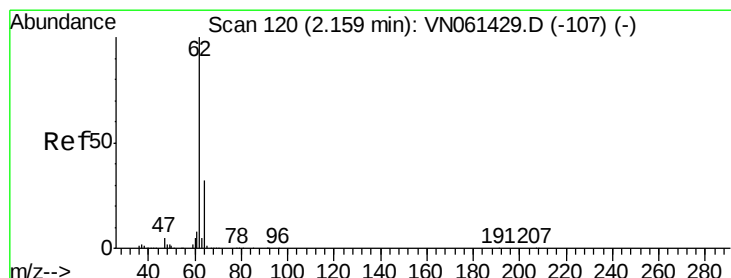
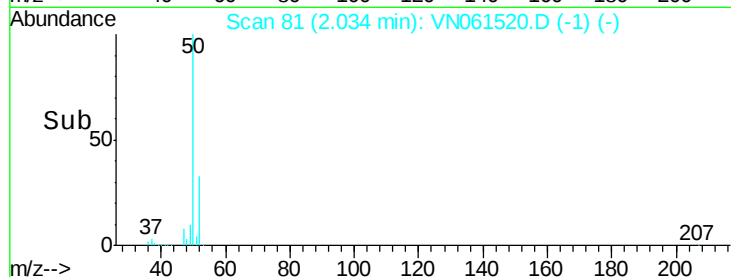
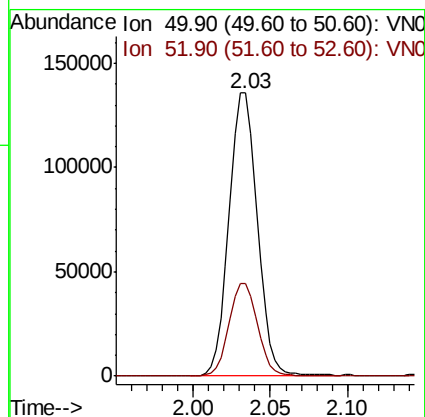
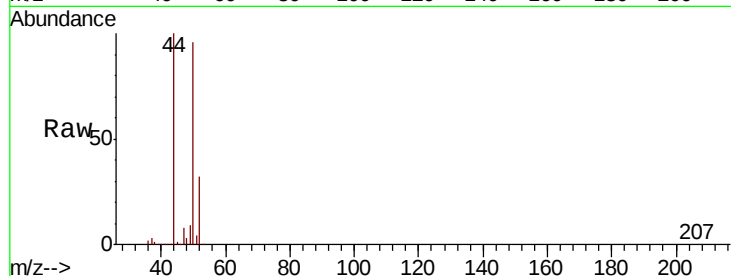
ClientSampled :

Tot Ion: 50 Resp: 172882

Ion Ratio Lower Upper

50 100

52 32.9 26.7 40.1



#4

Vinyl Chloride

Concen: 40.397 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061520.D

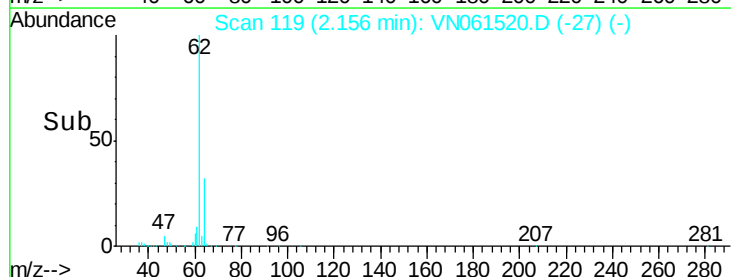
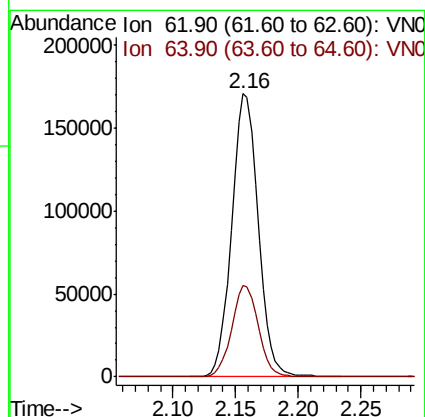
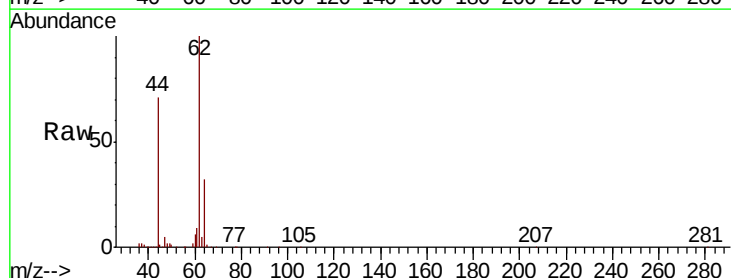
Acq: 21 May 2020 10:02

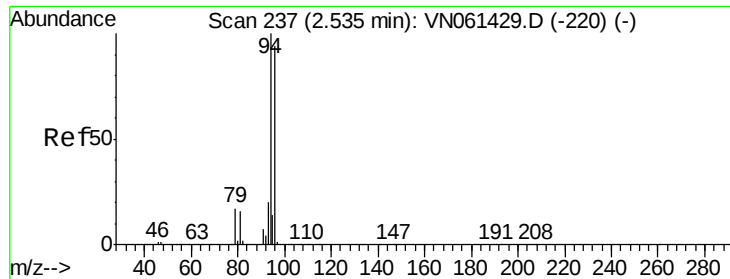
Tgt Ion: 62 Resp: 250910

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 44.956 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

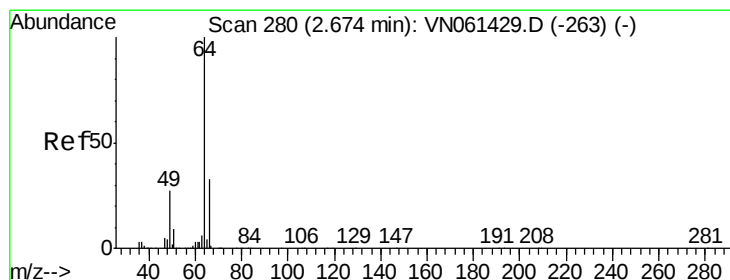
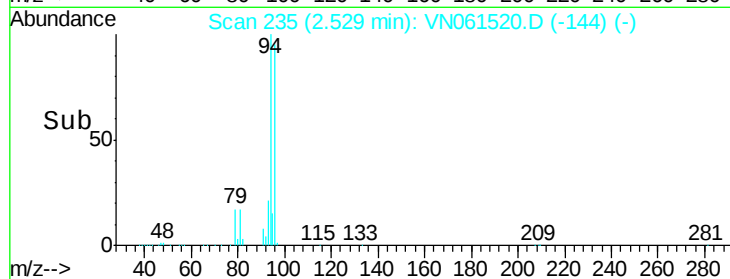
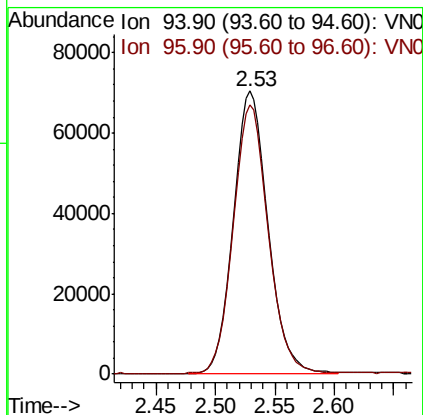
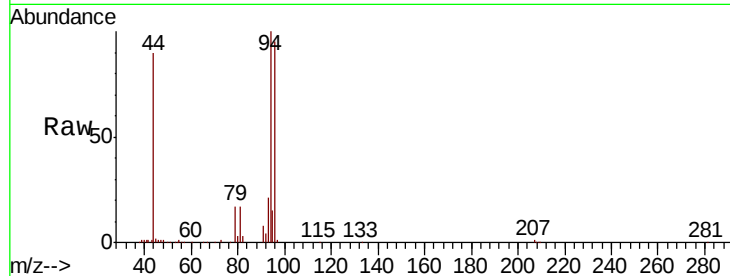
ClientSampleId :

Tot Ion: 94 Resp: 142466

Ion Ratio Lower Upper

94 100

96 94.9 74.9 112.3



#6

Chloroethane

Concen: 39.553 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061520.D

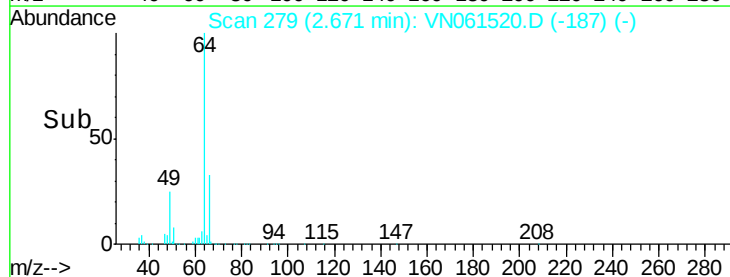
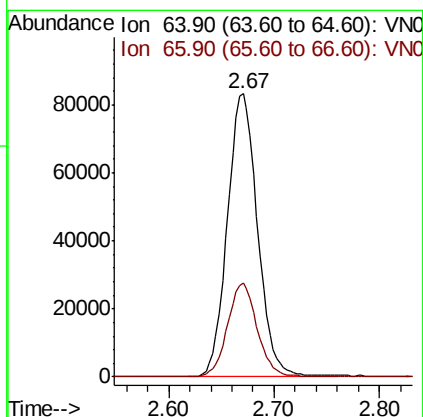
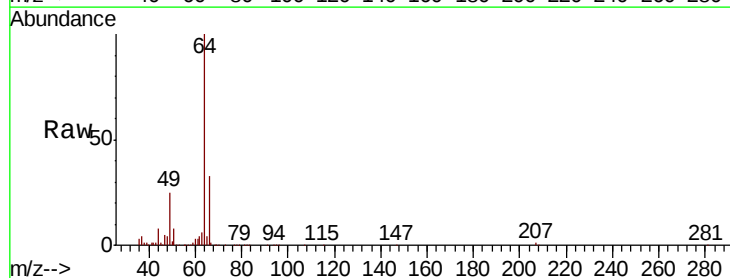
Acq: 21 May 2020 10:02

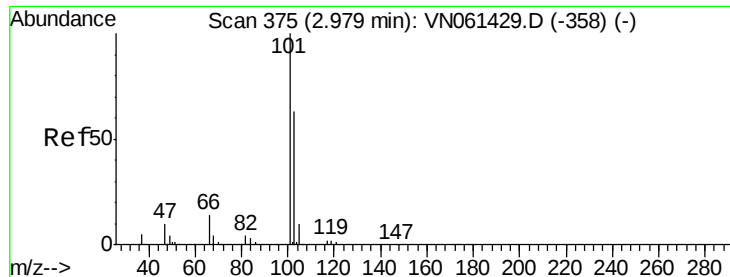
Tgt Ion: 64 Resp: 165350

Ion Ratio Lower Upper

64 100

66 33.2 26.3 39.5



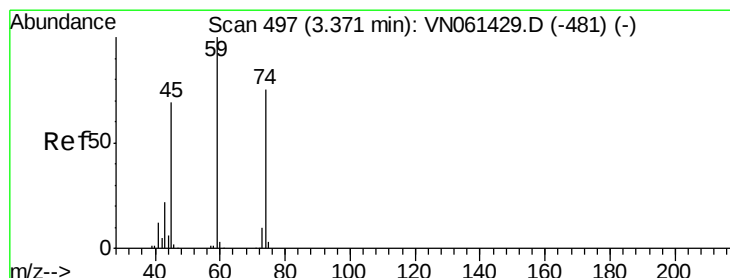
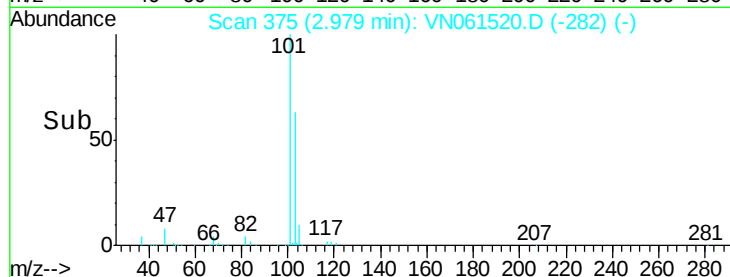
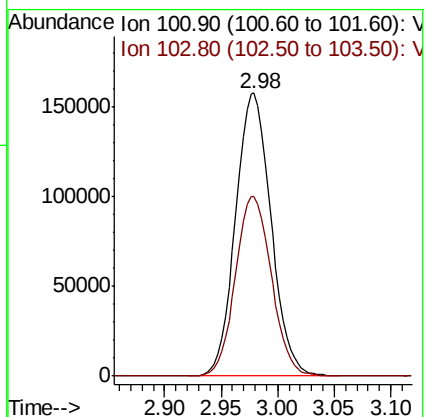
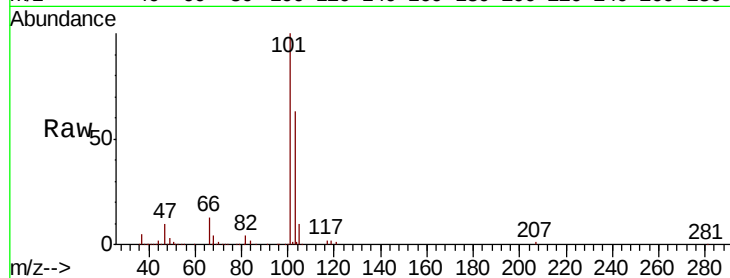


#7

Trichlorofluoromethane
Concen: 45.777 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Instrument :
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ClientSampleId :

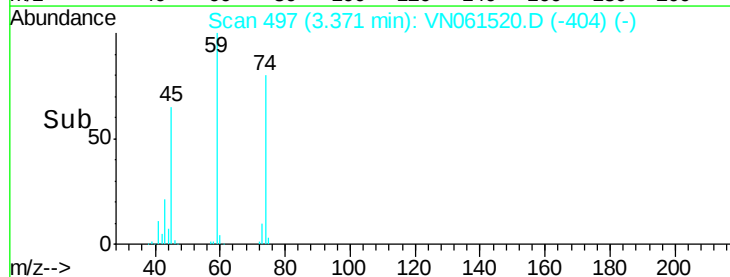
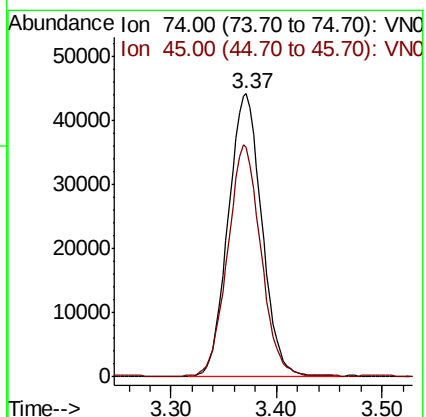
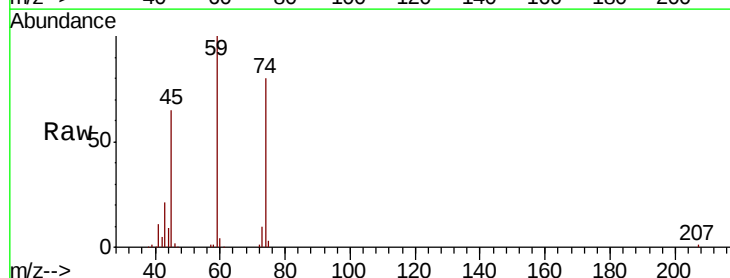
Tot Ion:101 Resp: 345188
Ion Ratio Lower Upper
101 100
103 63.3 50.2 75.4

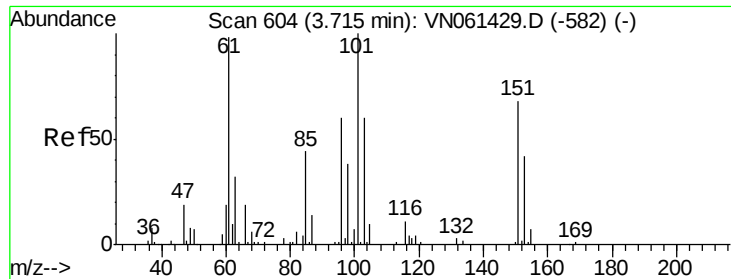


#8

Diethyl Ether
Concen: 44.581 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Tgt Ion: 74 Resp: 97918
Ion Ratio Lower Upper
74 100
45 81.0 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.383 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

ClientSampled :

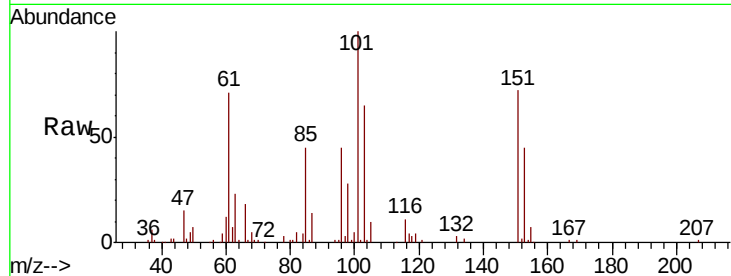
Tot Ion:101 Resp: 154854

Ion Ratio Lower Upper

101 100

85 45.4 36.6 55.0

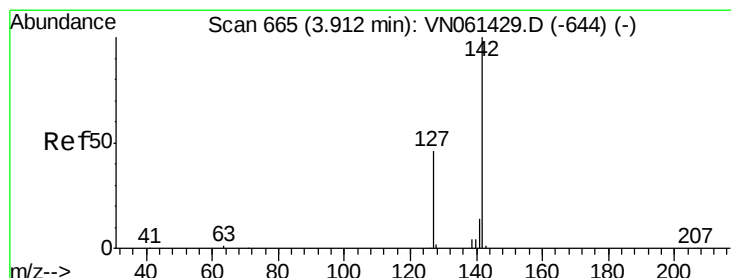
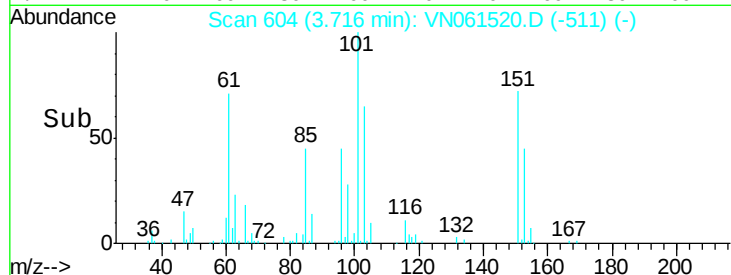
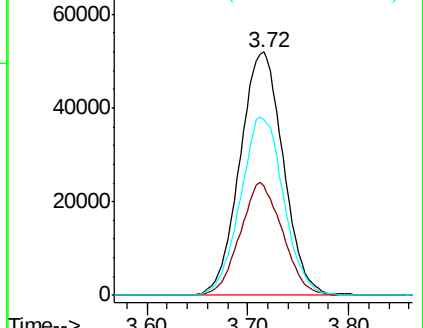
151 73.1 56.3 84.5



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: 47.396 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.01 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

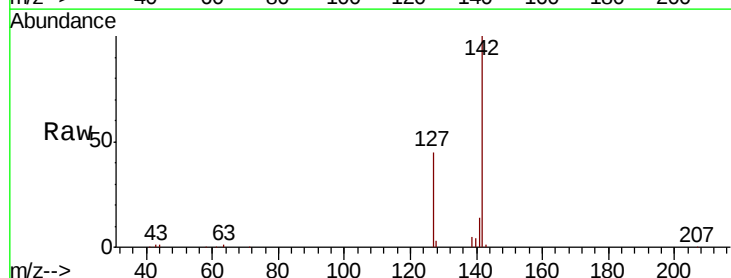
Tgt Ion:142 Resp: 180515

Ion Ratio Lower Upper

142 100

127 44.8 36.7 55.1

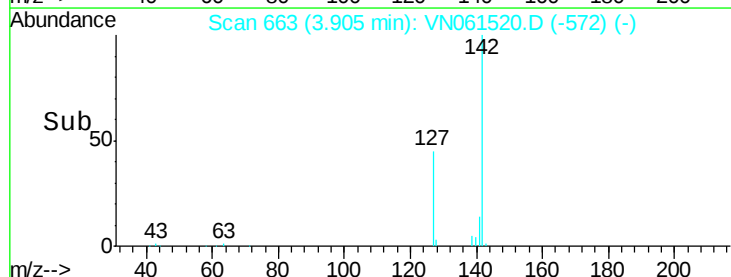
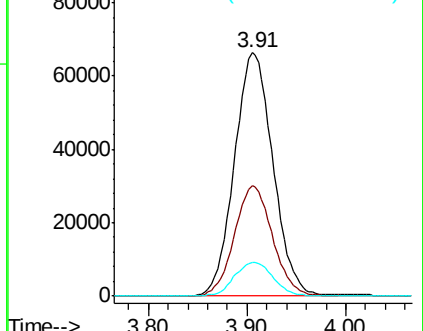
141 13.9 11.5 17.3

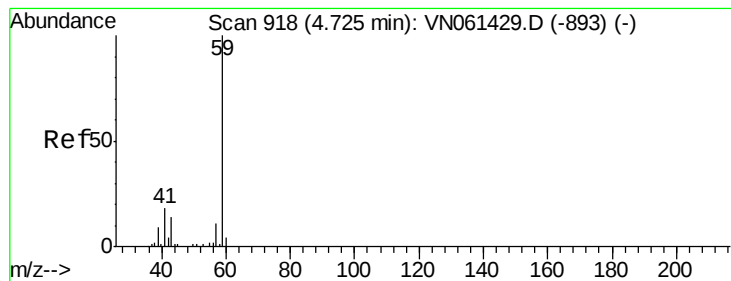


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



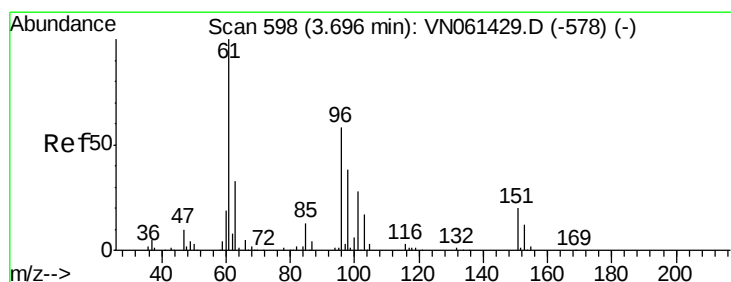
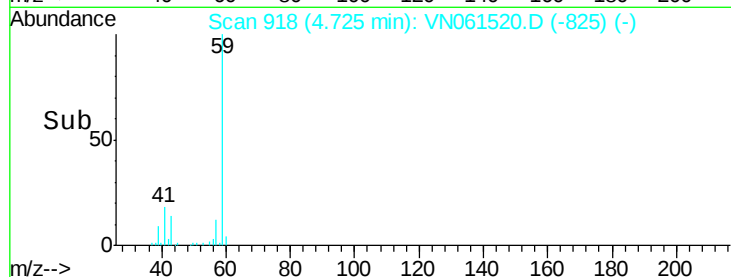
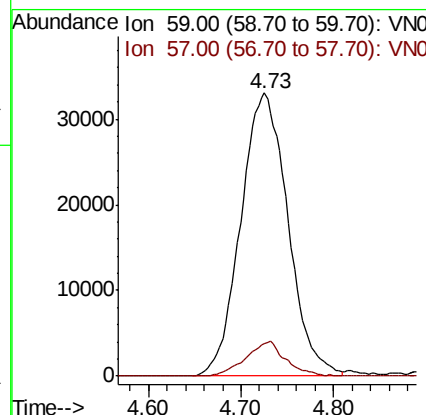
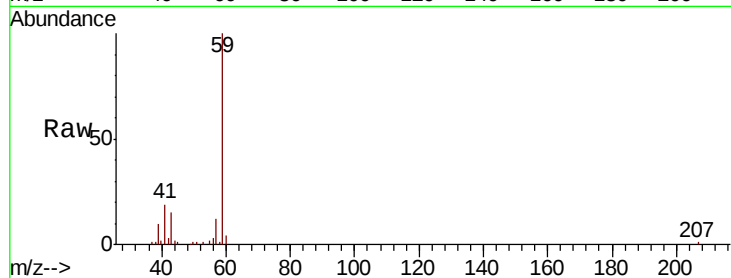


#11

Tert butyl alcohol
Concen: 212.049 ug/l
RT: 4.73 min Scan# 918
Delta R.T. 0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Instrument :
MSVOA_N
ClientSampled :

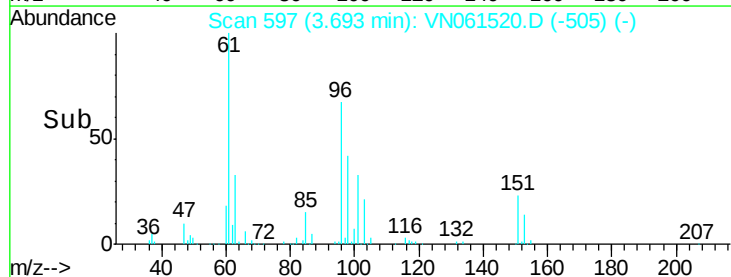
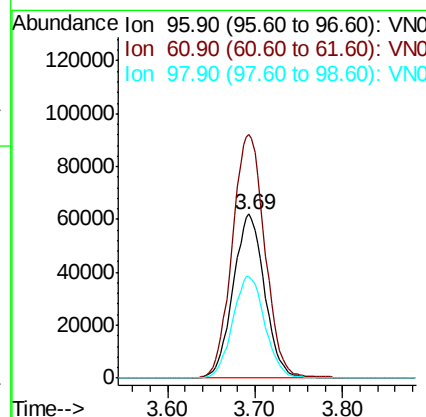
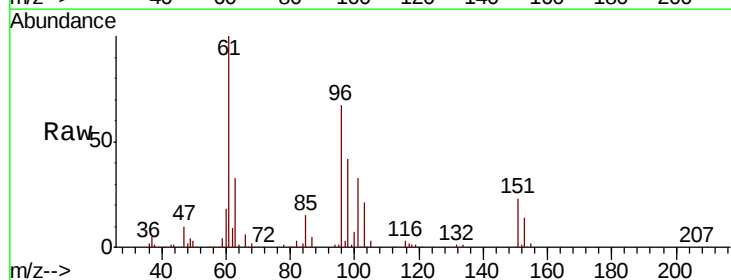
Tot Ion: 59 Resp: 116688
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

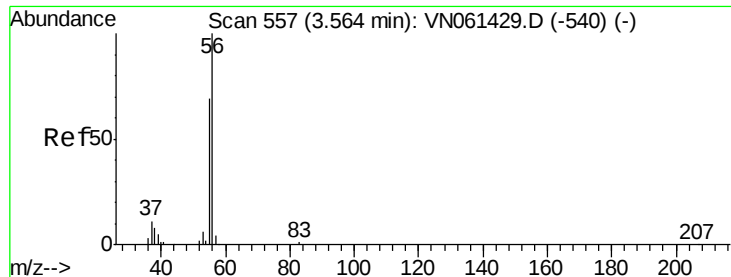


#12

1,1-Dichloroethene
Concen: 47.408 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Tgt Ion: 96 Resp: 155503
Ion Ratio Lower Upper
96 100
61 148.5 138.7 208.1
98 61.9 53.0 79.6





#13

Acrolein

Concen: 250.830 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

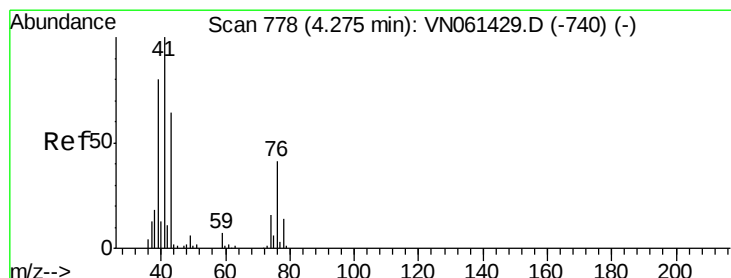
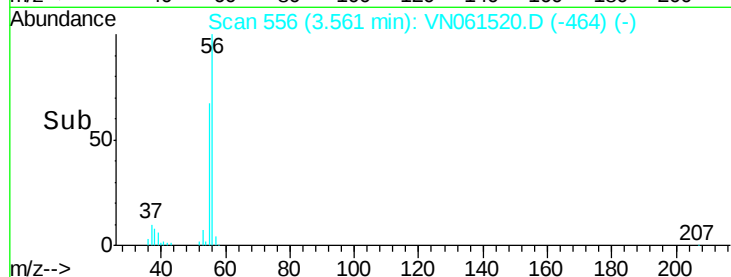
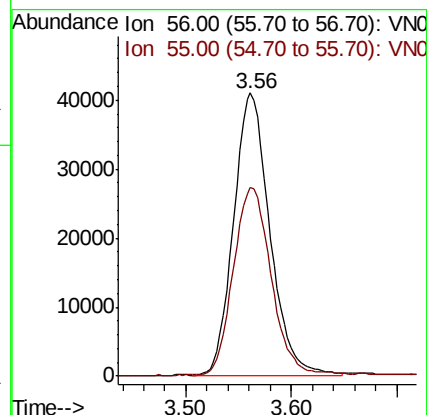
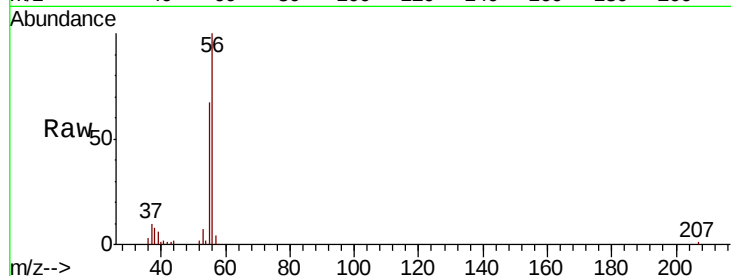
ClientSampleId :

Tot Ion: 56 Resp: 98456

Ion Ratio Lower Upper

56 100

55 68.0 54.8 82.2



#14

Allyl chloride

Concen: 40.742 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

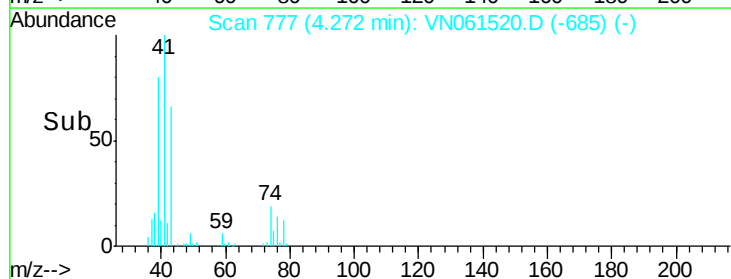
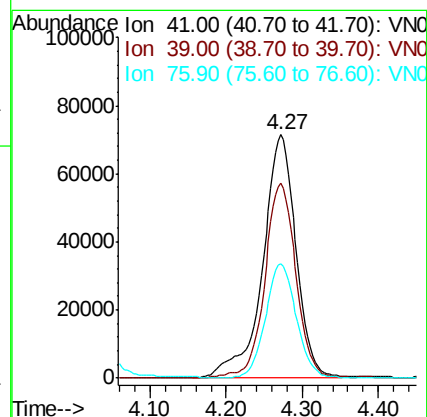
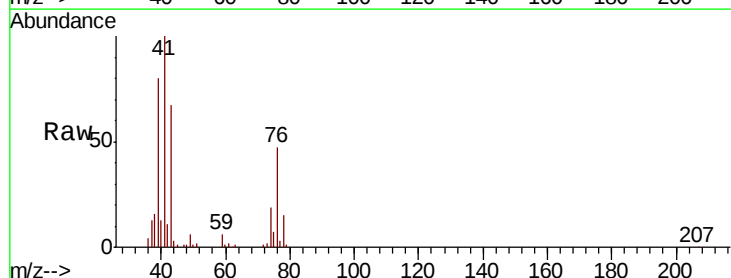
Tgt Ion: 41 Resp: 217486

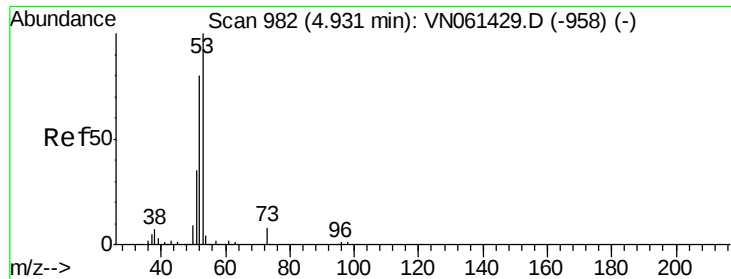
Ion Ratio Lower Upper

41 100

39 75.0 61.2 91.8

76 42.6 29.9 44.9





#15

Acrylonitrile

Concen: 203.129 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.01 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

ClientSampled :

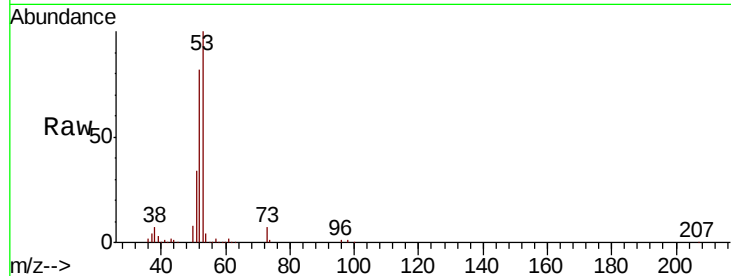
Tot Ion: 53 Resp: 331167

Ion Ratio Lower Upper

53 100

52 82.4 64.7 97.1

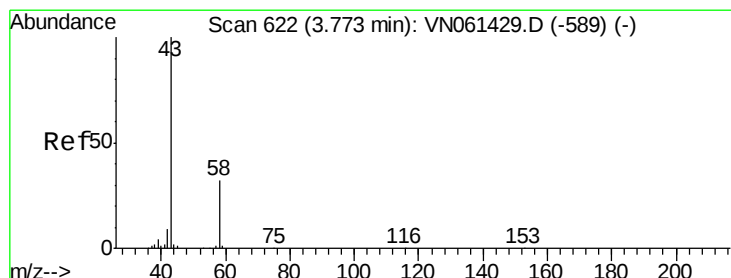
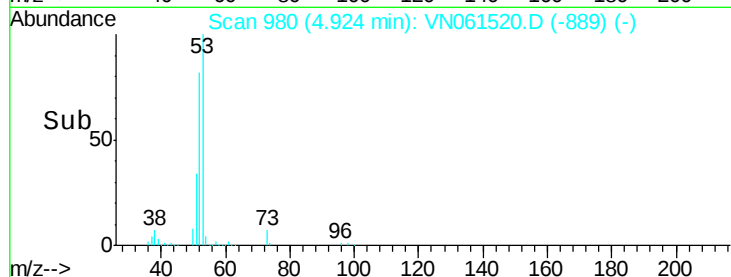
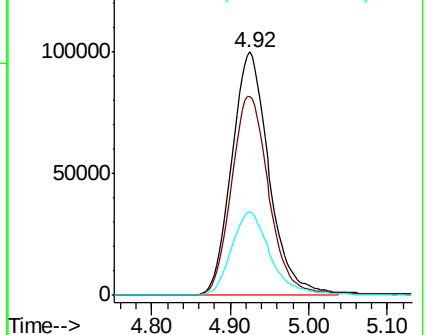
51 35.7 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN061520.D (-889) (-)

Ion 52.00 (51.70 to 52.70): VN061520.D (-889) (-)

Ion 51.00 (50.70 to 51.70): VN061520.D (-889) (-)



#16

Acetone

Concen: 290.096 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.01 min

Lab File: VN061520.D

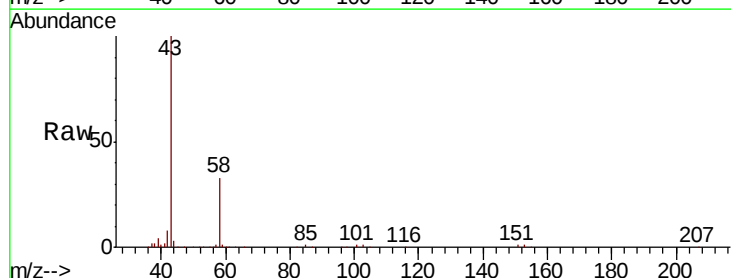
Acq: 21 May 2020 10:02

Tgt Ion: 43 Resp: 352199

Ion Ratio Lower Upper

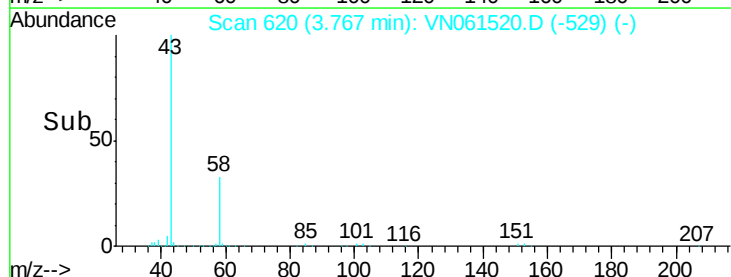
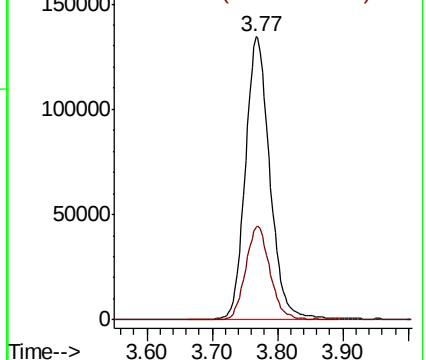
43 100

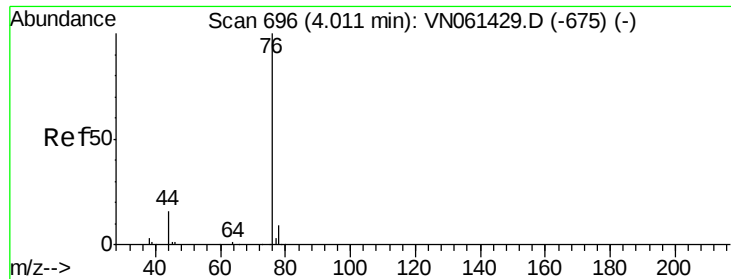
58 32.8 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VN061520.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061520.D (-529) (-)

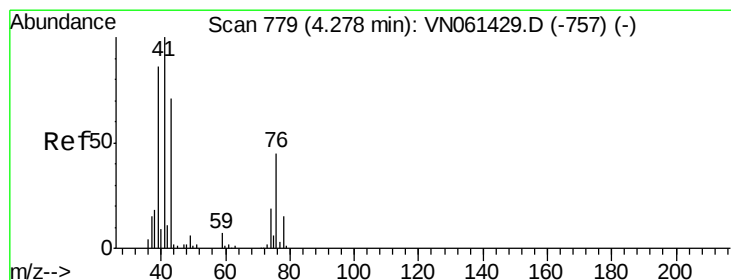
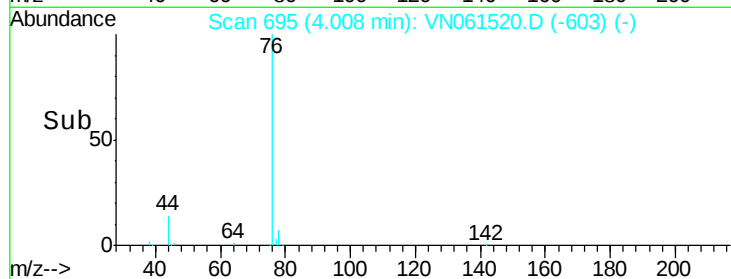
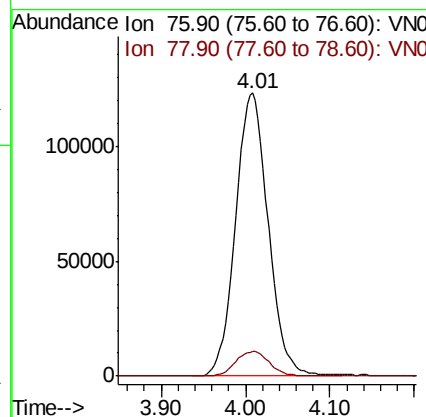
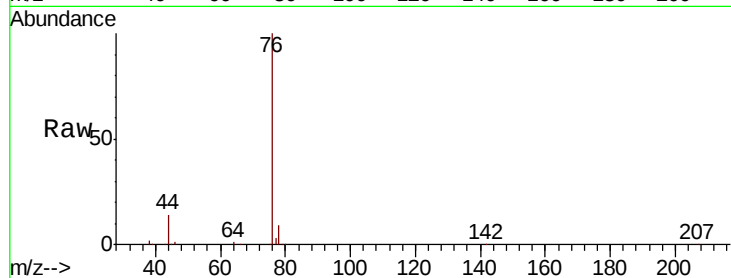




#17
Carbon Disulfide
Concen: 47.029 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

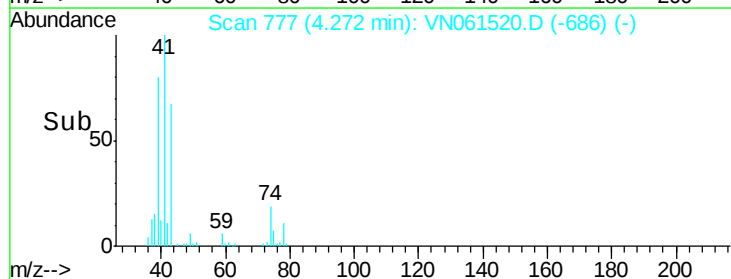
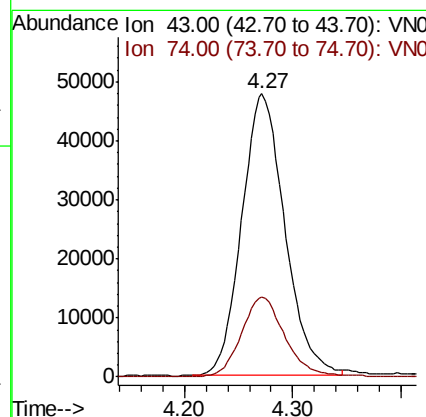
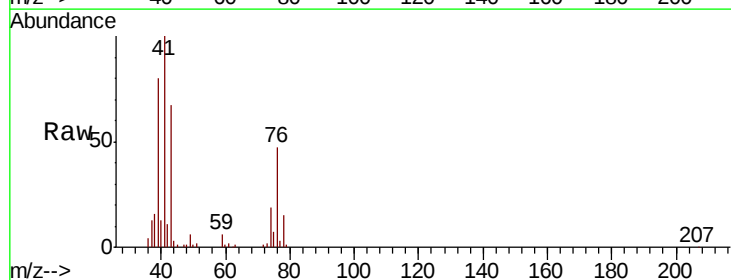
Instrument :
MSVOA_N
ClientSampled :

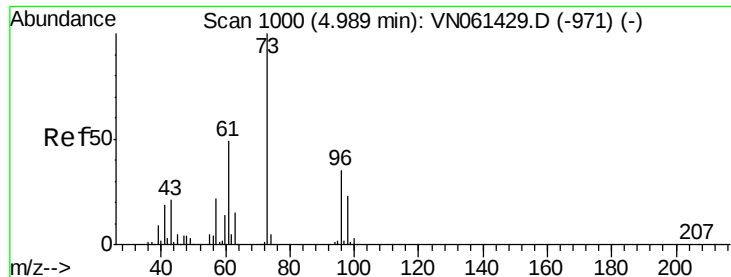
Tot Ion: 76 Resp: 332332
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 40.410 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.01 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Tgt Ion: 43 Resp: 133026
Ion Ratio Lower Upper
43 100
74 28.5 20.8 31.2

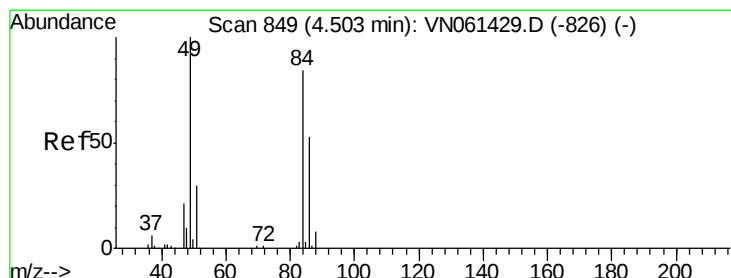
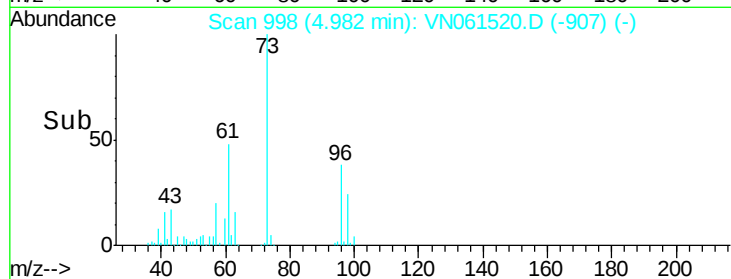
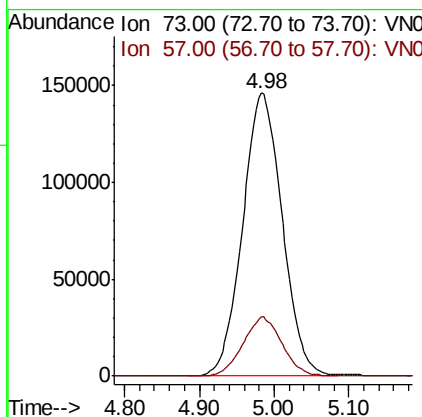
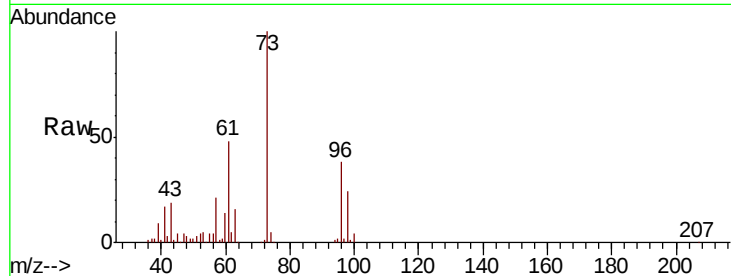




#19
Methvl tert-butvl Ether
Concen: 43.209 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

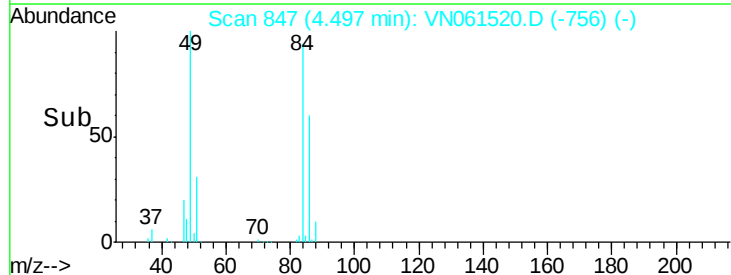
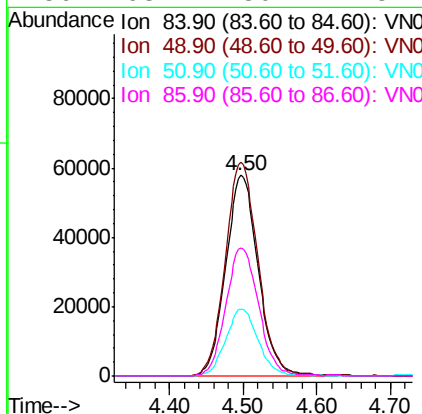
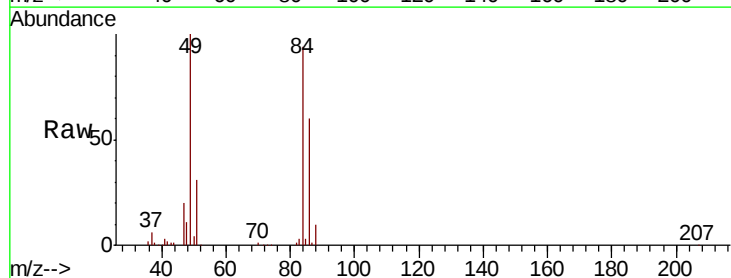
Instrument :
MSVOA_N
ClientSampleId :

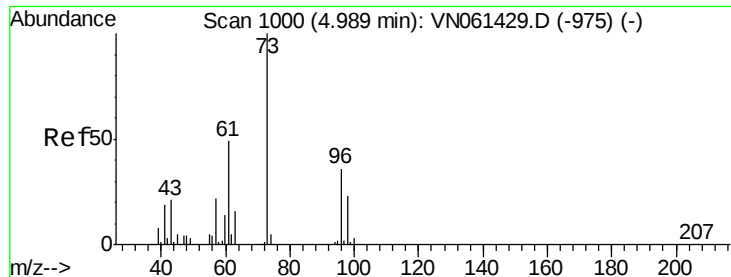
Tot Ion: 73 Resp: 537847
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.0



#20
Methylene Chloride
Concen: 45.287 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Tgt Ion: 84 Resp: 177755
Ion Ratio Lower Upper
84 100
49 106.6 95.3 142.9
51 33.5 29.0 43.6
86 63.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 46.814 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

ClientSampleId :

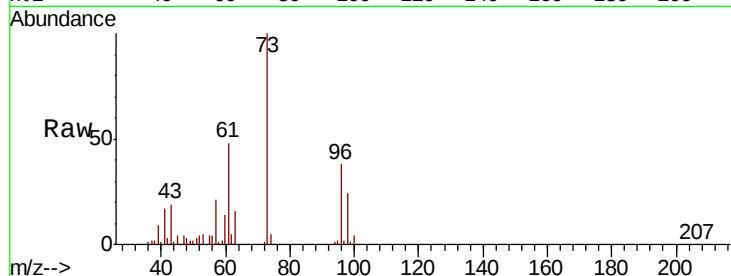
Tot Ion: 96 Resp: 177066

Ion Ratio Lower Upper

96 100

61 127.3 109.8 164.6

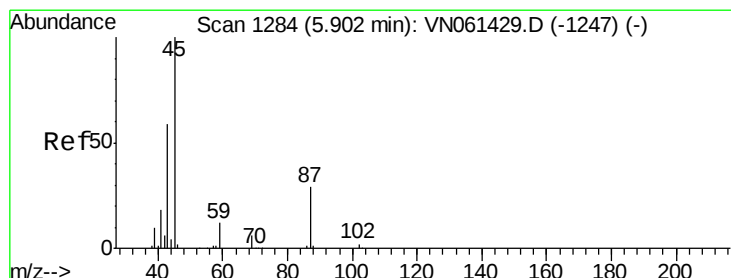
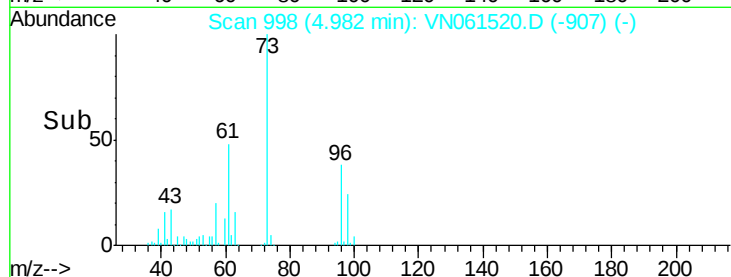
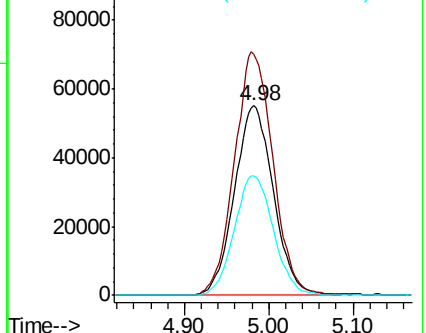
98 63.1 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VN061520.D (-907) (-)

Ion 60.90 (60.60 to 61.60): VN061520.D (-907) (-)

Ion 97.90 (97.60 to 98.60): VN061520.D (-907) (-)



#22

Diisopropyl ether

Concen: 41.146 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Tgt Ion: 45 Resp: 493564

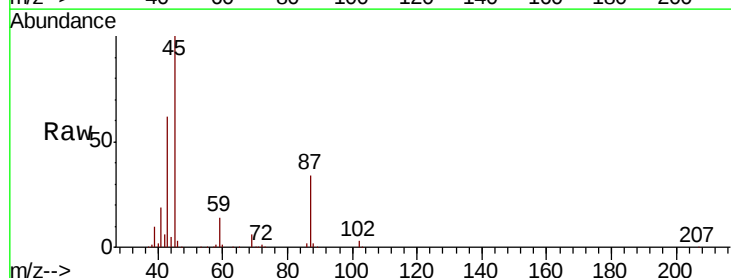
Ion Ratio Lower Upper

45 100

43 60.5 47.9 71.9

87 33.9 24.0 36.0

59 13.4 9.7 14.5

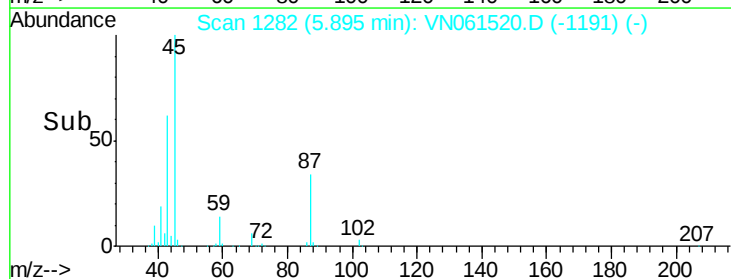
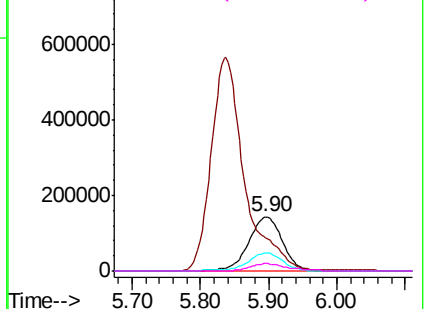


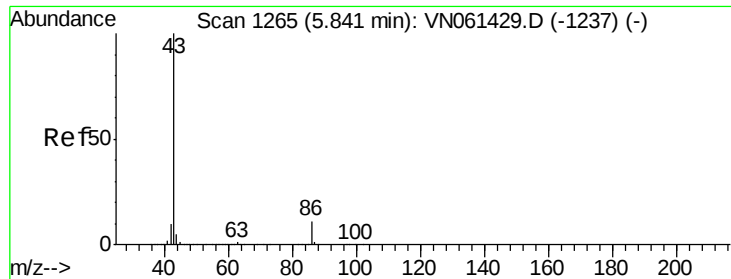
Abundance Ion 45.00 (44.70 to 45.70): VN061520.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN061520.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN061520.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN061520.D (-1191) (-)





#23

Vinyl Acetate

Concen: 201.344 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

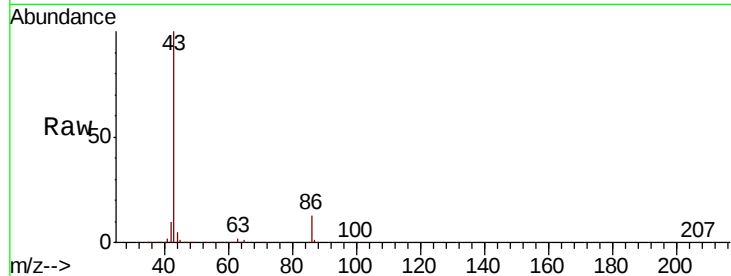
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1920607

Ion Ratio Lower Upper

43 100

86 13.1 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN061520.D (-1172) (-)

Ion 86.00 (85.70 to 86.70): VN061520.D (-1172) (-)

5.84

600000

500000

400000

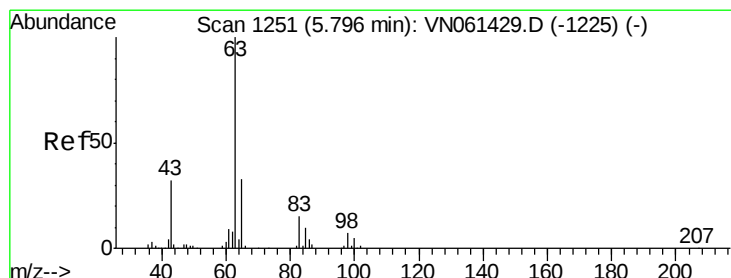
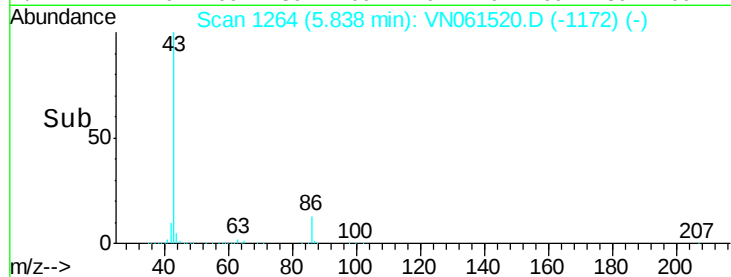
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 43.605 ug/l

RT: 5.79 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

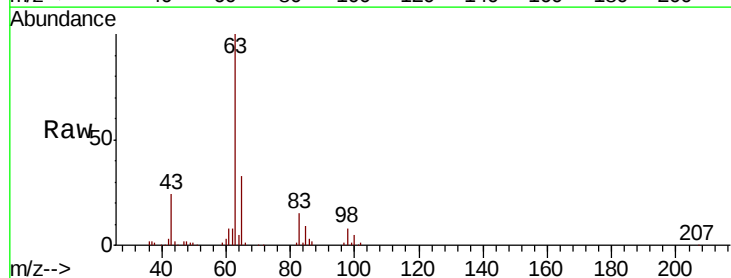
Tgt Ion: 63 Resp: 305091

Ion Ratio Lower Upper

63 100

98 8.3 3.5 10.5

100 4.8 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VN061520.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN061520.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN061520.D (-1158) (-)

120000

100000

80000

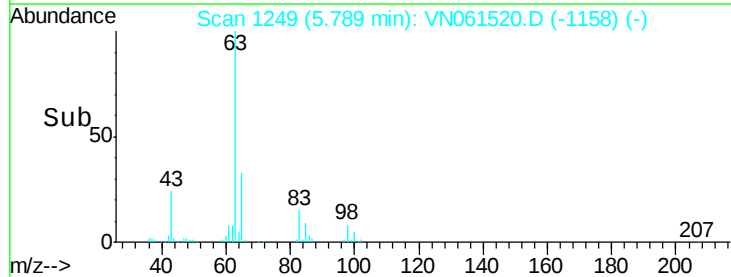
60000

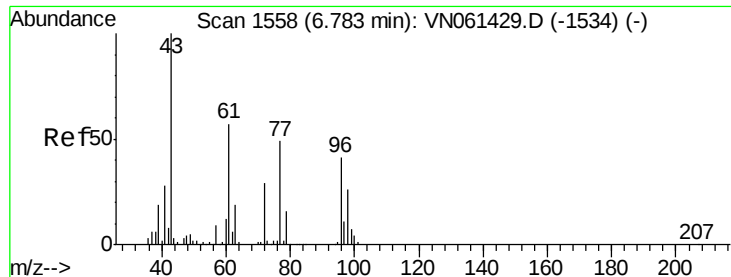
40000

20000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 209.027 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

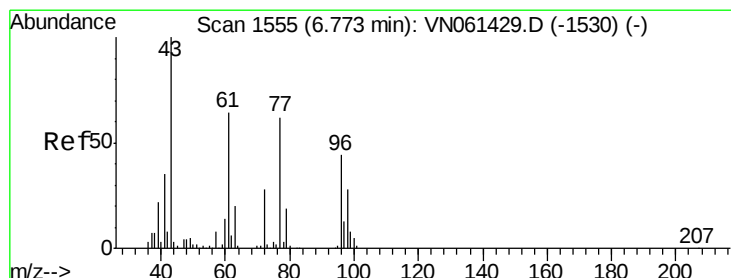
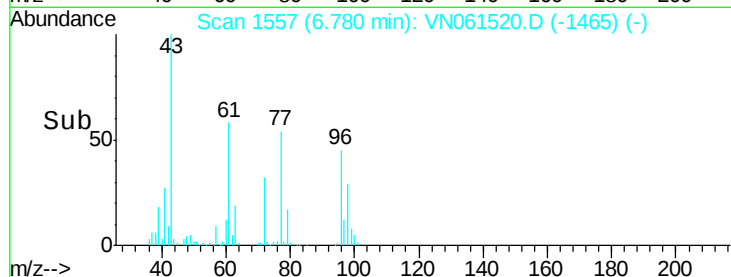
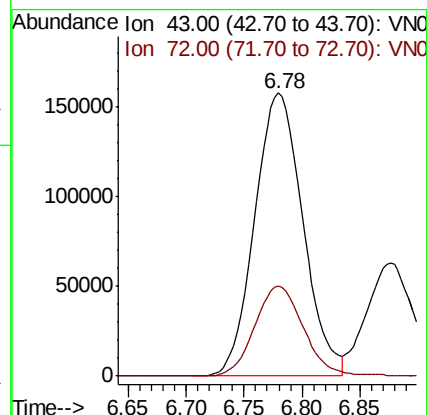
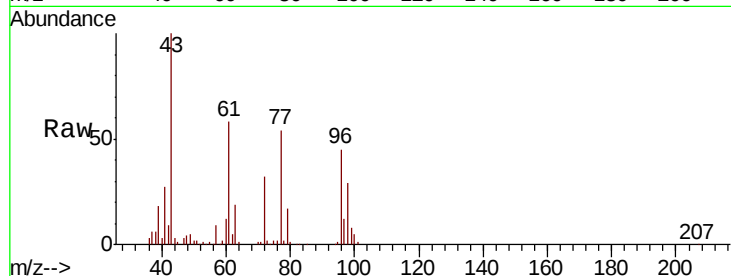
ClientSampled :

Tot Ion: 43 Resp: 454528

Ion Ratio Lower Upper

43 100

72 31.7 23.0 34.6



#26

2,2-Dichloropropane

Concen: 45.082 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.00 min

Lab File: VN061520.D

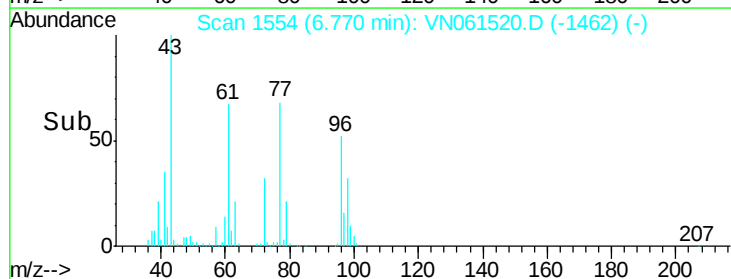
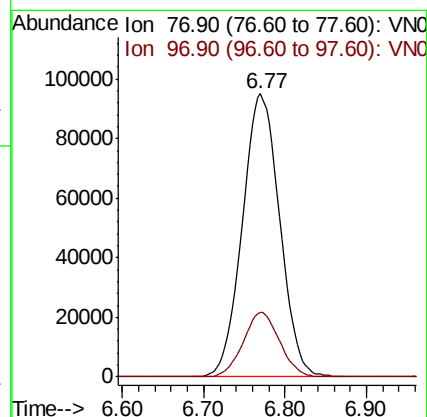
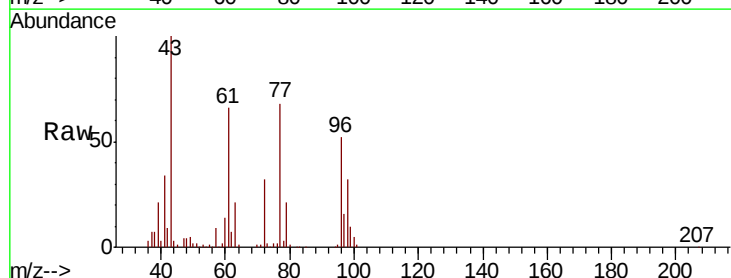
Acq: 21 May 2020 10:02

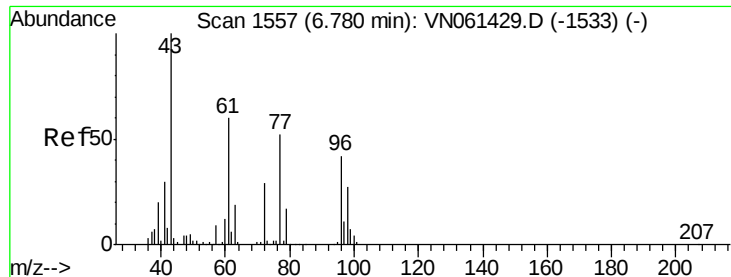
Tgt Ion: 77 Resp: 300690

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 47.838 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :

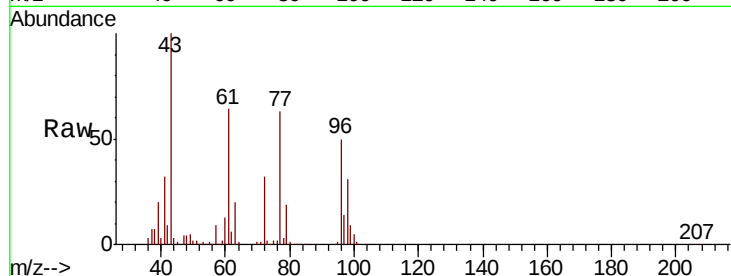
Tot Ion: 96 Resp: 213728

Ion Ratio Lower Upper

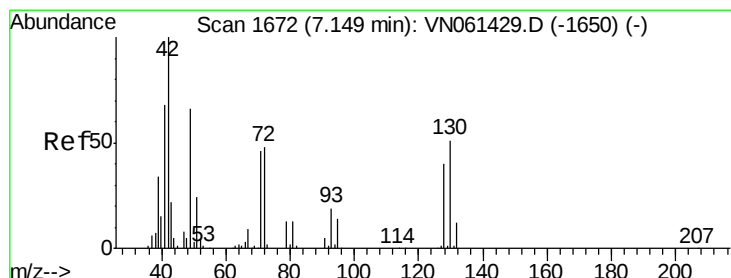
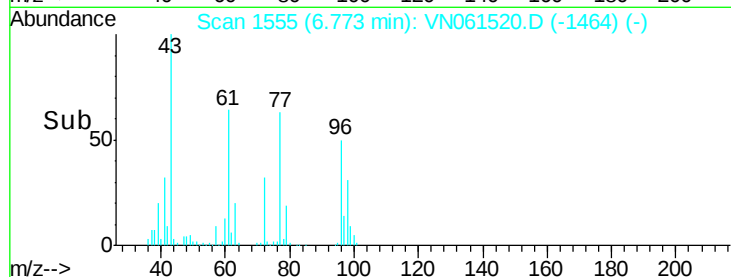
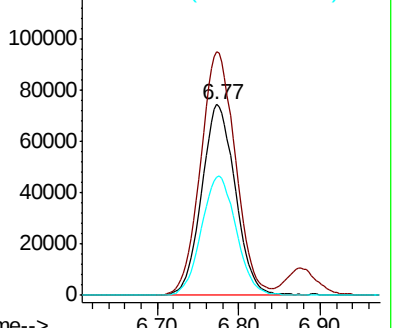
96 100

61 132.4 0.0 294.2

98 64.4 0.0 128.2



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



#28

Bromochloromethane

Concen: 40.786 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

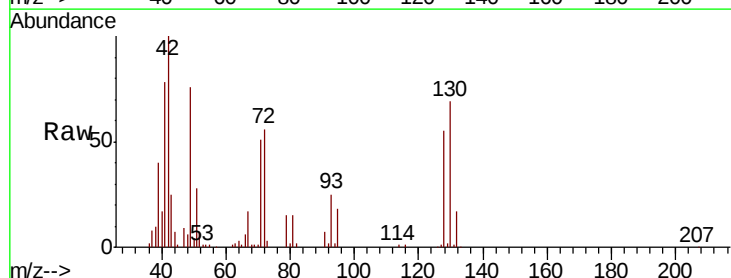
Tgt Ion: 49 Resp: 121128

Ion Ratio Lower Upper

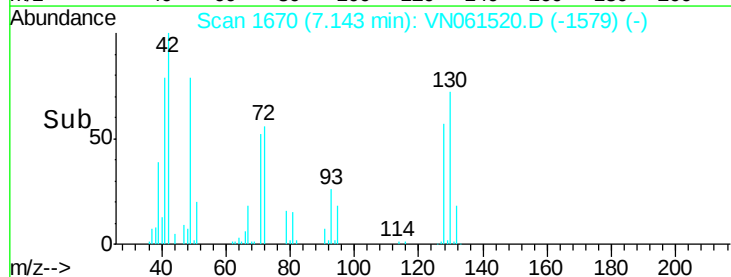
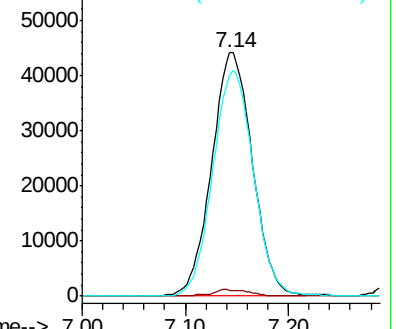
49 100

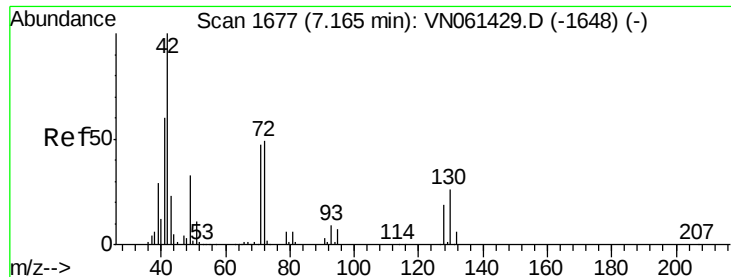
129 2.4 0.0 4.6

130 92.7 62.2 93.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

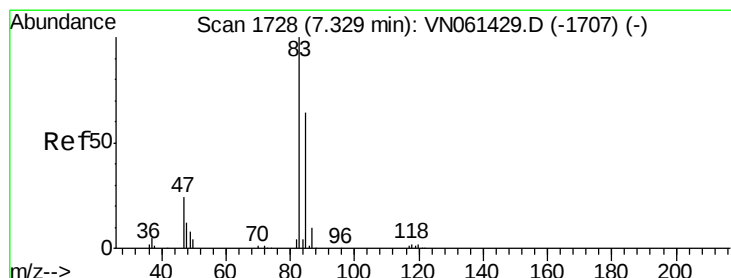
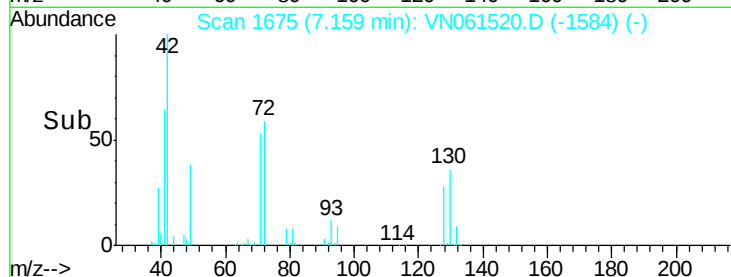
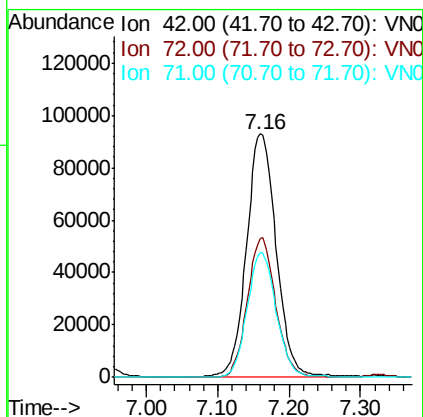
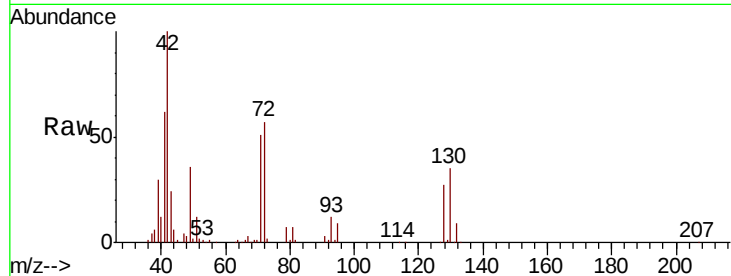




#29
Tetrahydrofuran
Concen: 187.644 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

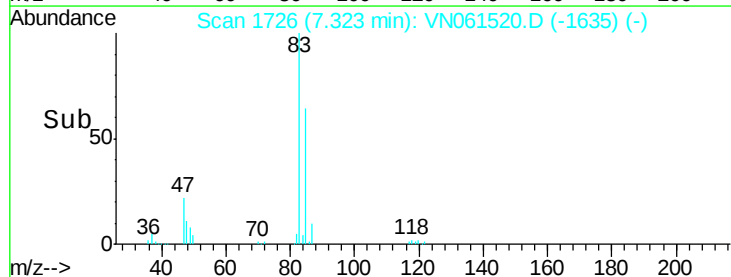
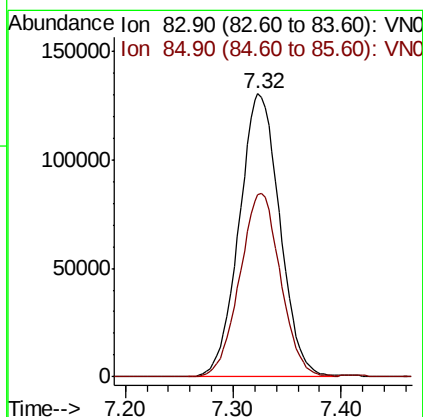
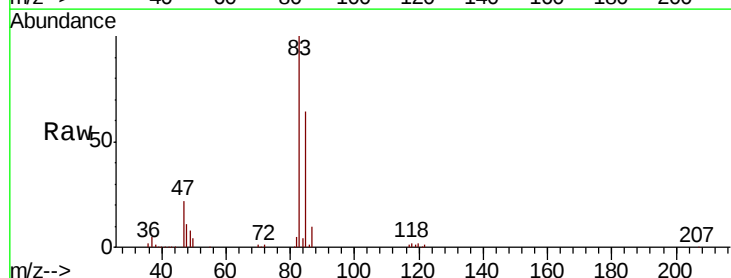
Instrument :
MSVOA_N
ClientSampled :

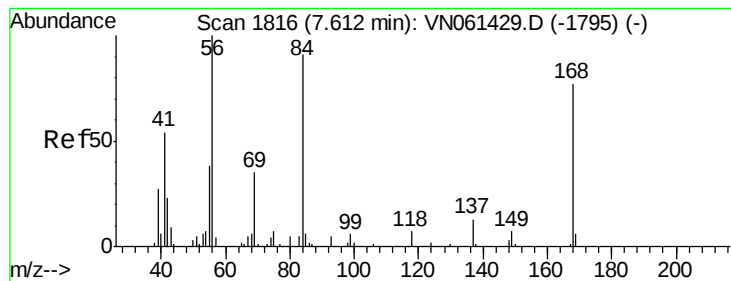
Tot Ion: 42 Resp: 270228
Ion Ratio Lower Upper
42 100
72 54.6 39.0 58.6
71 49.7 36.9 55.3



#30
Chloroform
Concen: 46.739 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.01 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Tgt Ion: 83 Resp: 341557
Ion Ratio Lower Upper
83 100
85 64.2 51.0 76.4





#31

Cyclohexane

Concen: 41.989 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :
MSVOA_N
ClientSampled :

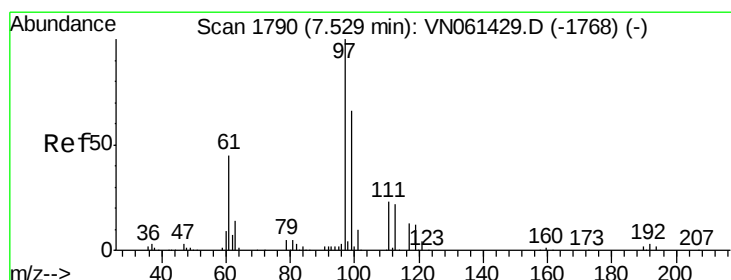
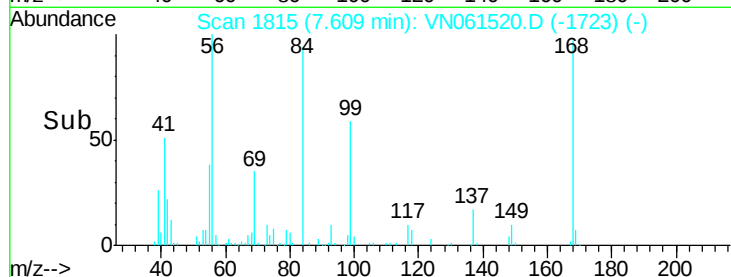
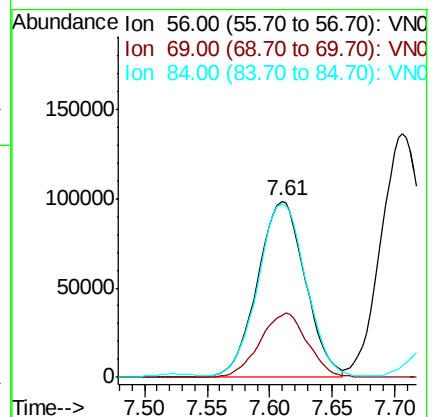
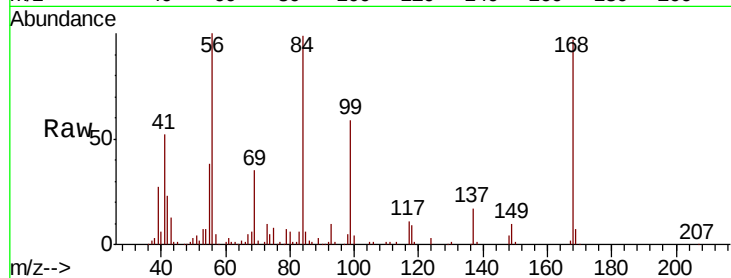
Tot Ion: 56 Resp: 261514

Ion Ratio Lower Upper

56 100

69 35.3 27.8 41.6

84 97.4 72.7 109.1



#32

1,1,1-Trichloroethane

Concen: 46.704 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

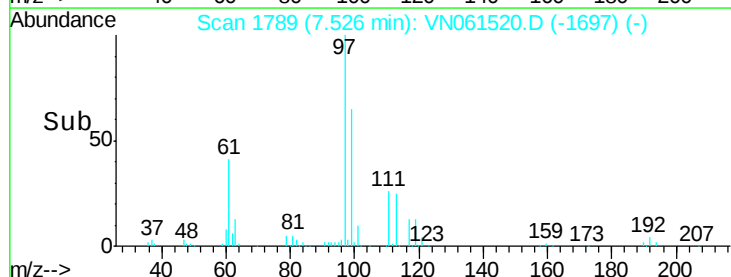
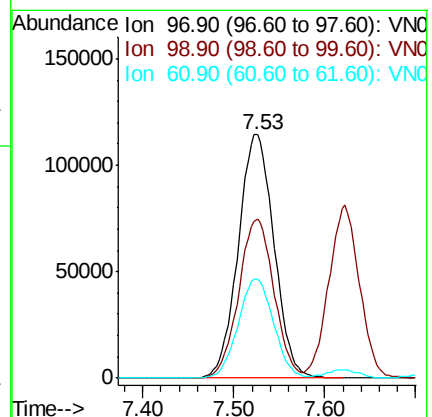
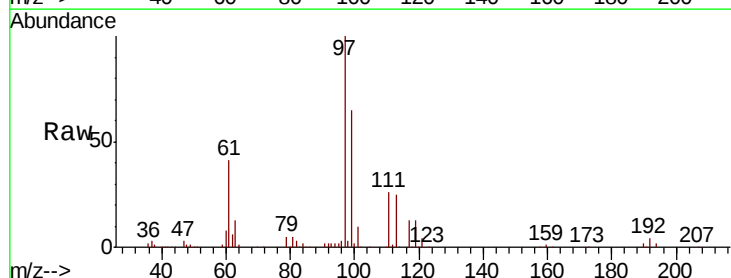
Tgt Ion: 97 Resp: 311879

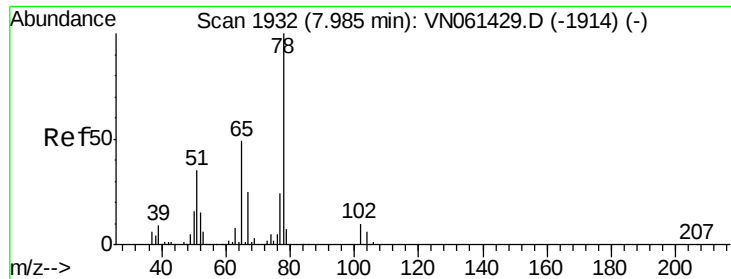
Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

61 40.6 35.8 53.6

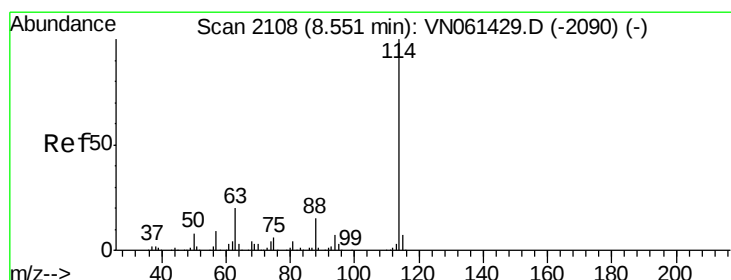
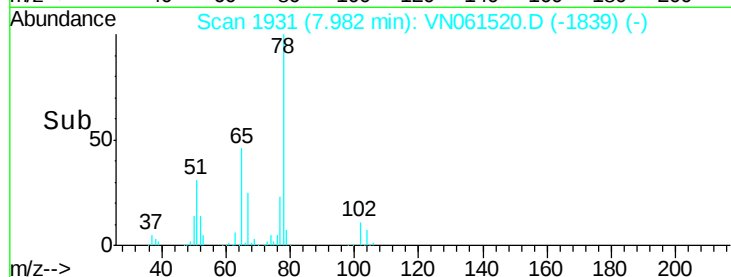
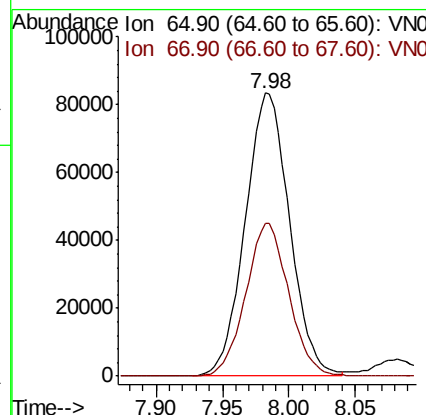
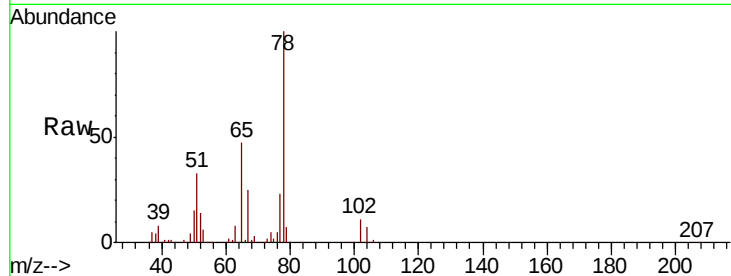




#33
 1,2-Dichloroethane-d4
 Concen: 40.555 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VN061520.D
 Acq: 21 May 2020 10:02

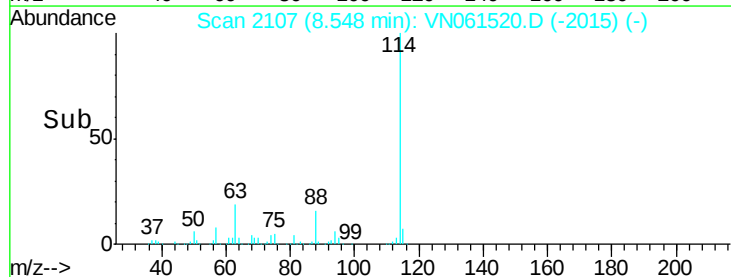
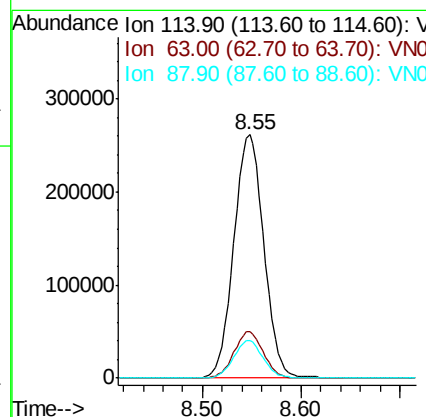
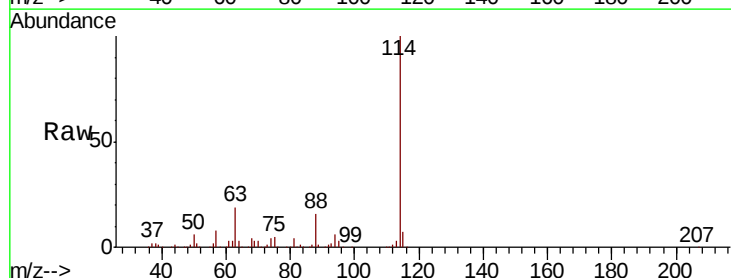
Instrument :
 MSVOA_N
 ClientSampleId :

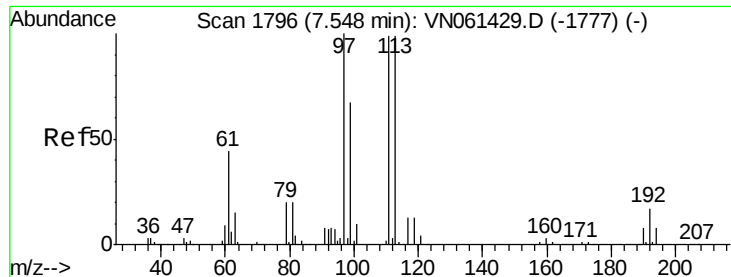
Tot Ion: 65 Resp: 193687
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061520.D
 Acq: 21 May 2020 10:02

Tgt Ion: 114 Resp: 551634
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.8
 88 15.6 0.0 30.8

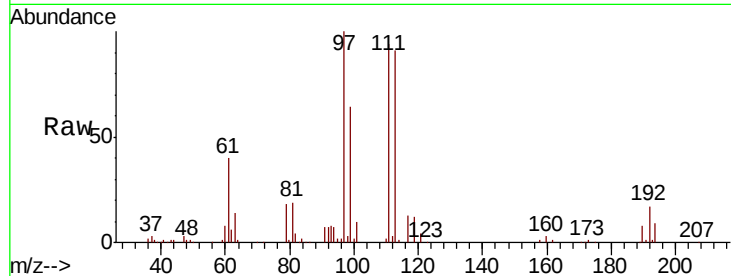




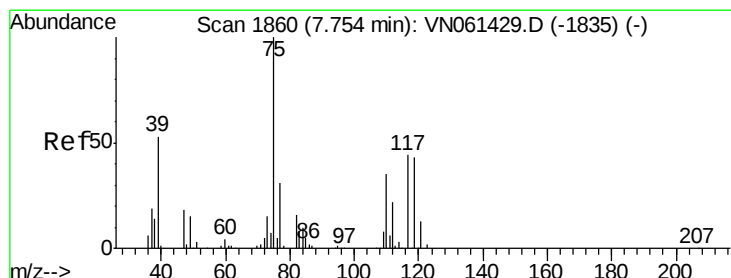
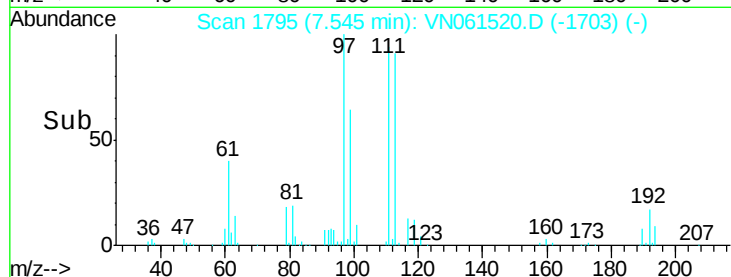
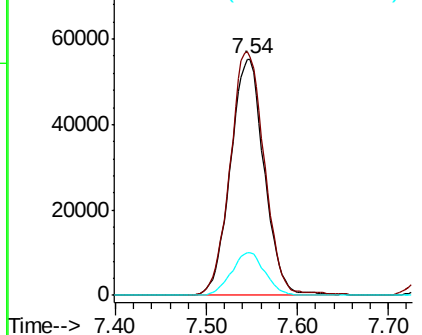
#35
 Dibromofluoromethane
 Concen: 49.296 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061520.D
 Acq: 21 May 2020 10:02

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 142459
 Ion Ratio Lower Upper
 113 100
 111 103.8 80.6 121.0
 192 17.9 13.2 19.8

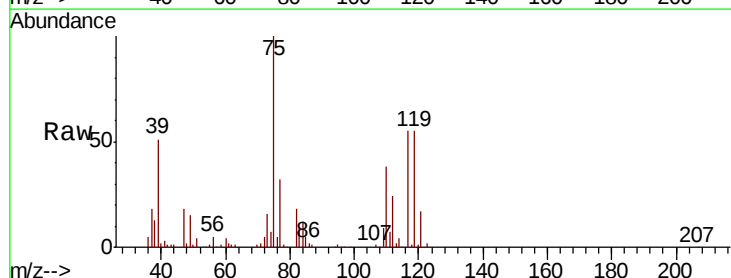


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

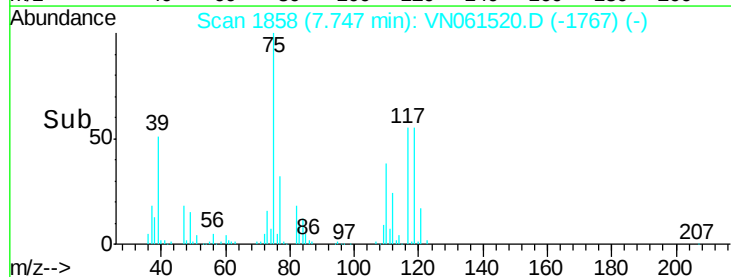
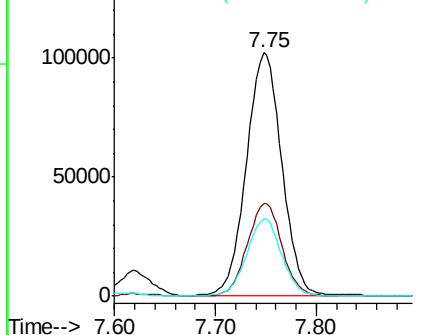


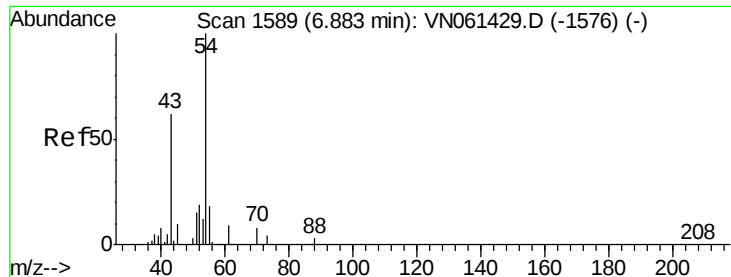
#36
 1,1-Dichloropropene
 Concen: 48.049 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: VN061520.D
 Acq: 21 May 2020 10:02

Tgt Ion: 75 Resp: 247840
 Ion Ratio Lower Upper
 75 100
 110 37.4 17.3 51.9
 77 31.5 24.9 37.3



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

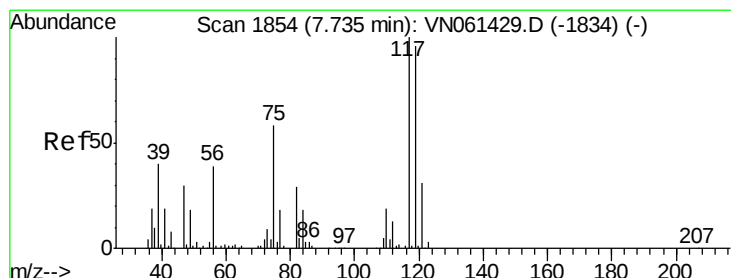
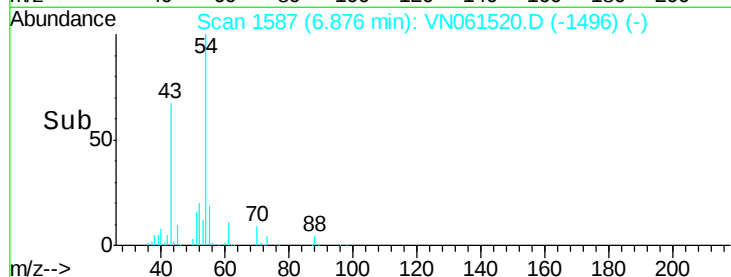
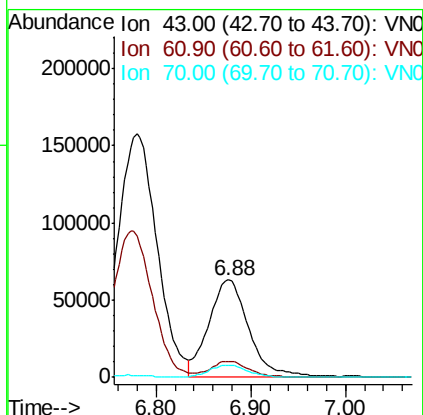
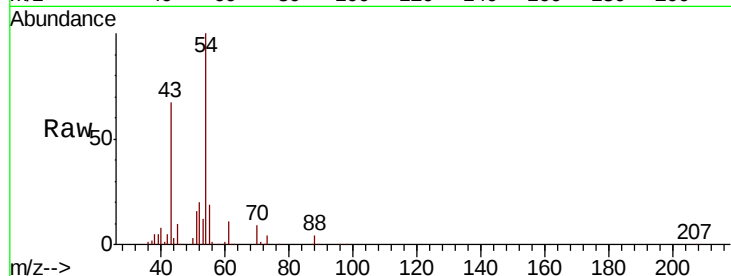




#37
Ethyl Acetate
Concen: 38.940 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

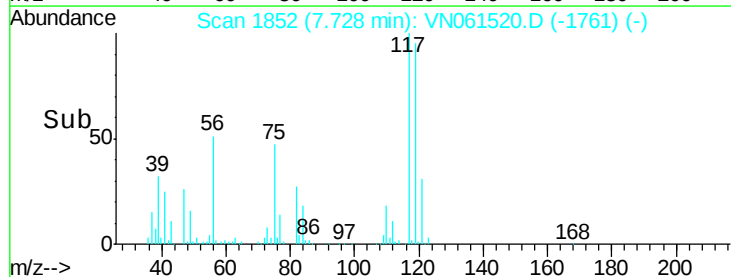
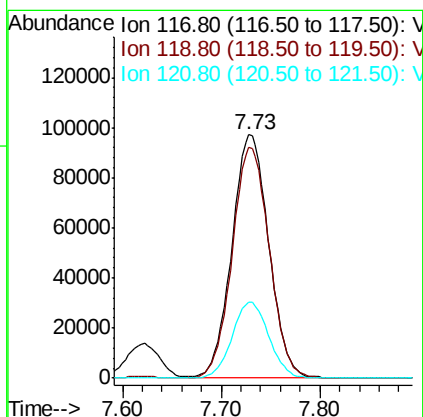
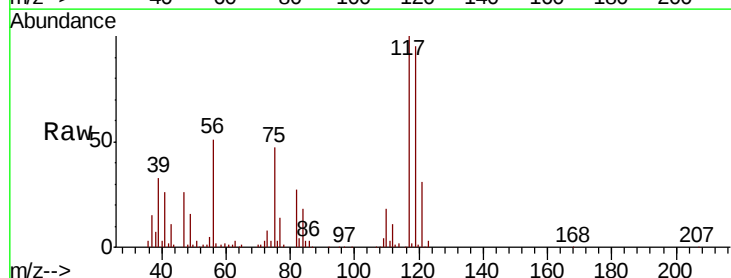
Instrument :
MSVOA_N
ClientSampled :

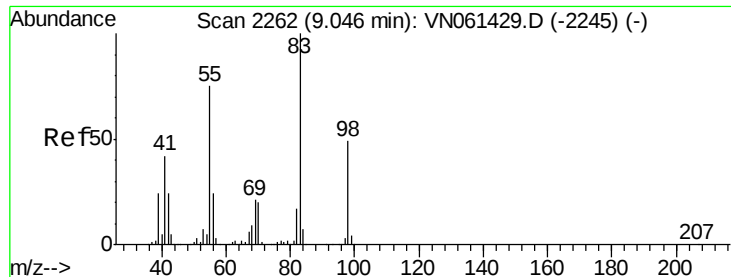
Tot Ion: 43 Resp: 182154
Ion Ratio Lower Upper
43 100
61 15.2 11.7 17.5
70 12.3 9.2 13.8



#38
Carbon Tetrachloride
Concen: 52.819 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Tgt Ion: 117 Resp: 250865
Ion Ratio Lower Upper
117 100
119 95.0 77.0 115.6
121 31.1 24.7 37.1

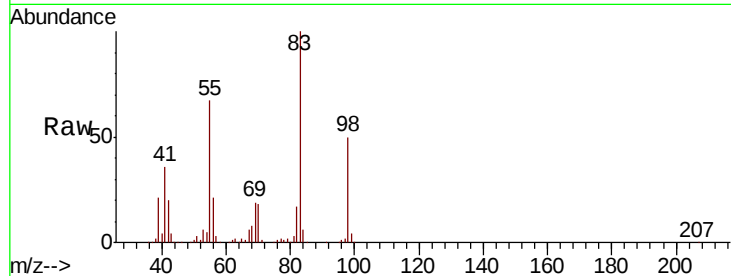




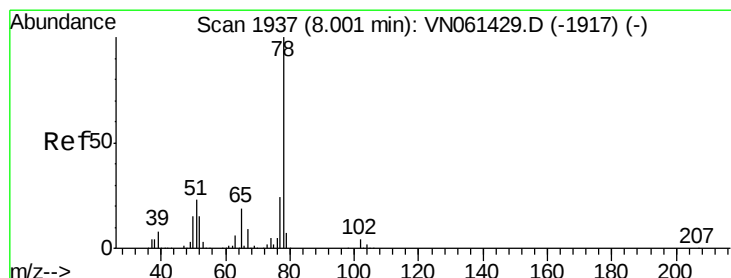
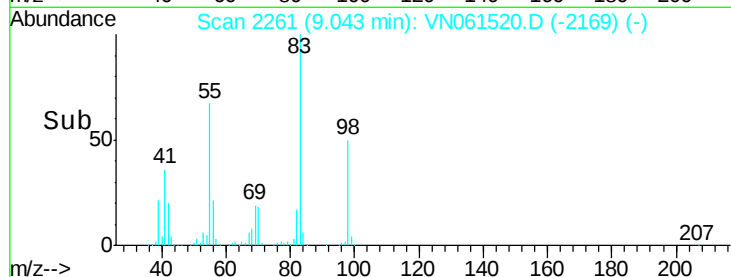
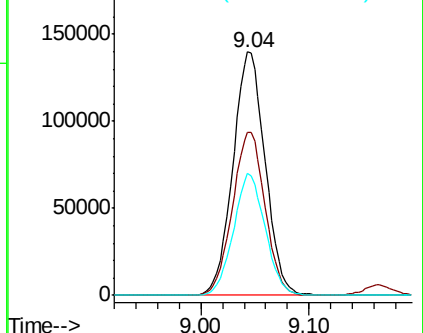
#39
Methvlcvclohexane
Concen: 46.135 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 290649
Ion Ratio Lower Upper
83 100
55 66.9 59.7 89.5
98 50.1 38.9 58.3

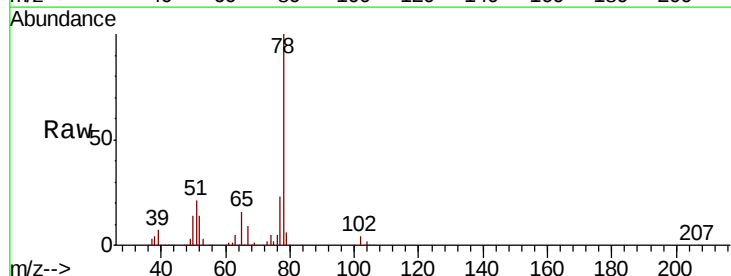


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

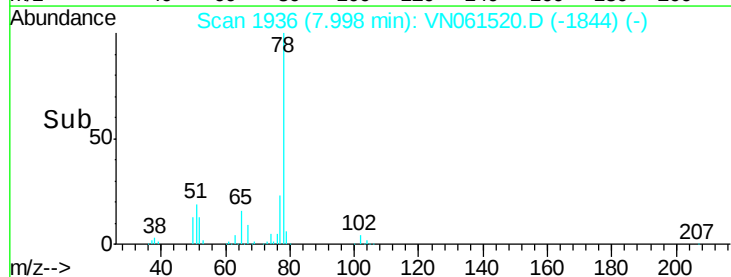
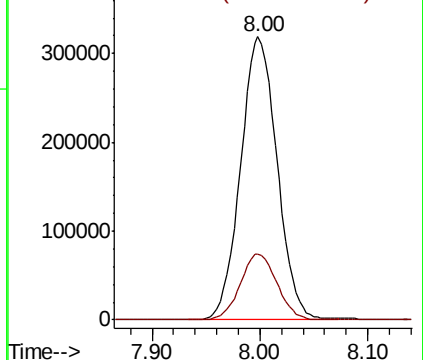


#40
Benzene
Concen: 48.274 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Tgt Ion: 78 Resp: 750377
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7



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

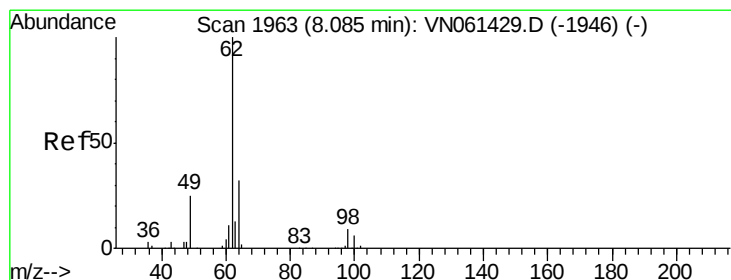
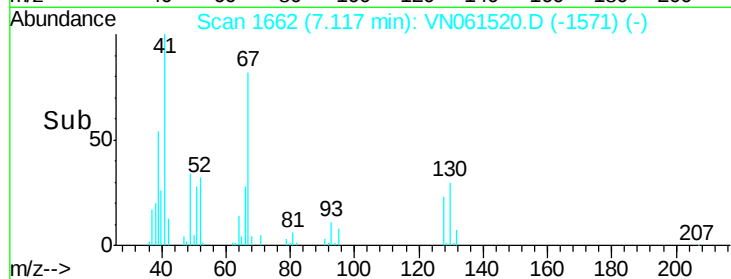
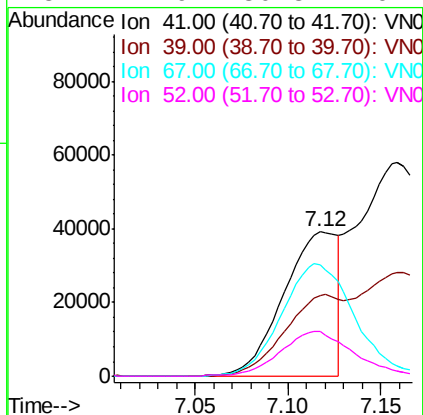
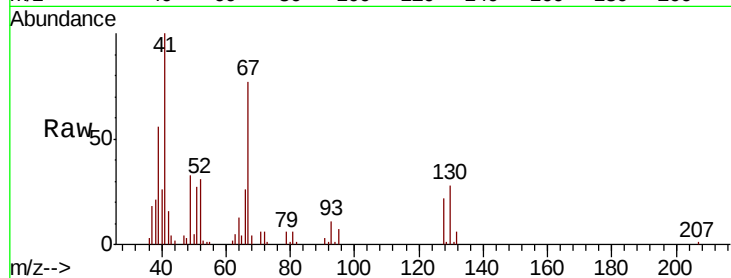




#41
Methacrylonitrile
Concen: 40.408 ug/l
RT: 7.12 min Scan# 1662
Delta R.T. -0.01 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

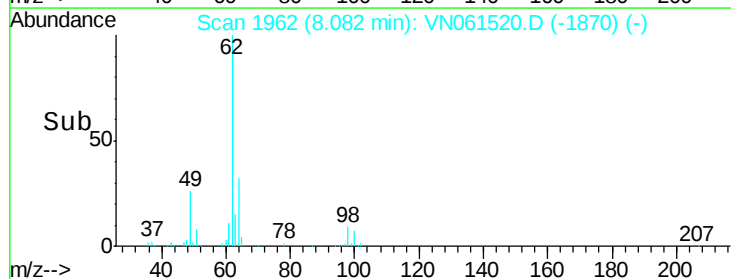
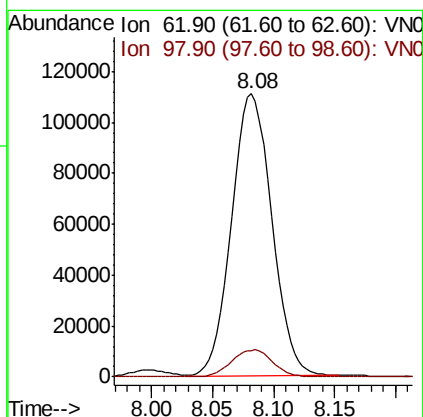
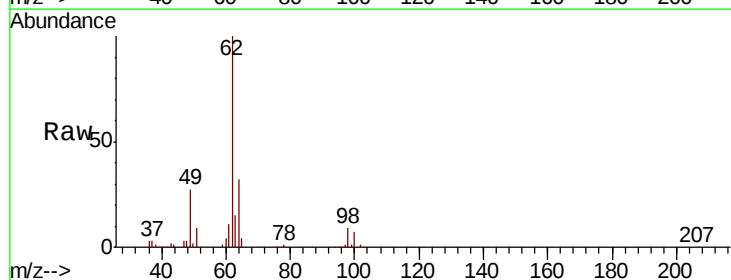
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 79835
Ion Ratio Lower Upper
41 100
39 59.9 48.3 72.5
67 105.1 74.2 111.4
52 42.9 30.8 46.2



#42
1,2-Dichloroethane
Concen: 45.497 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Tgt Ion: 62 Resp: 254796
Ion Ratio Lower Upper
62 100
98 9.9 0.0 18.4

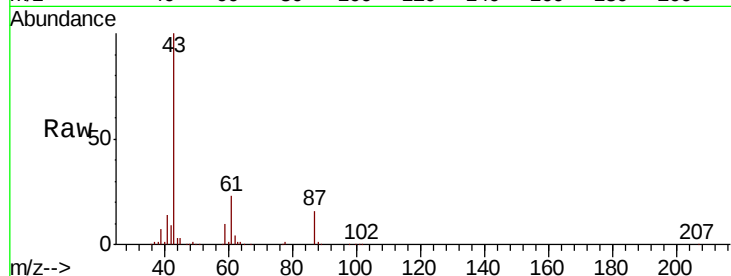




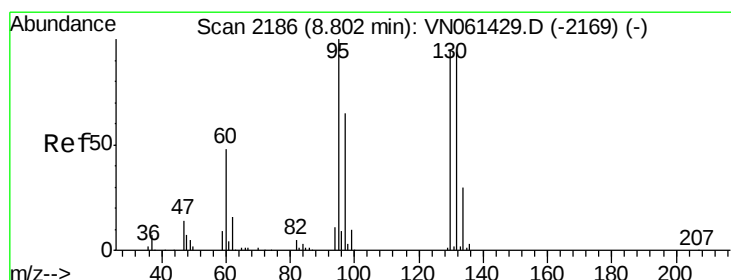
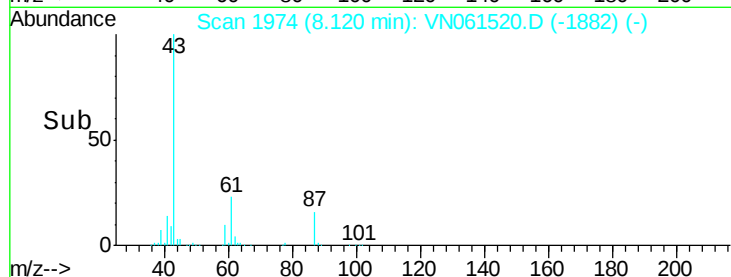
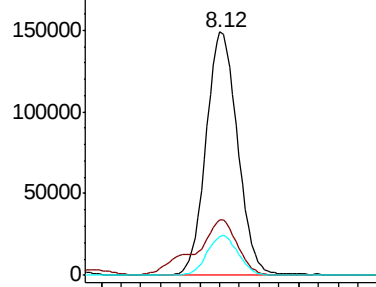
#43
Isopropyl Acetate
Concen: 40.437 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	23.0	34.4
87	16.3	11.6	17.4

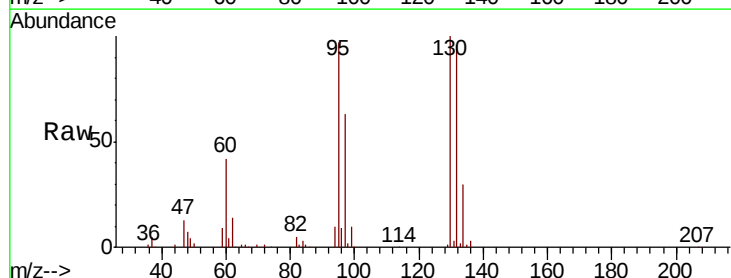


Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-1956) (-)
Ion 61.00 (60.70 to 61.70): VN061429.D (-1956) (-)
Ion 87.00 (86.70 to 87.70): VN061429.D (-1956) (-)

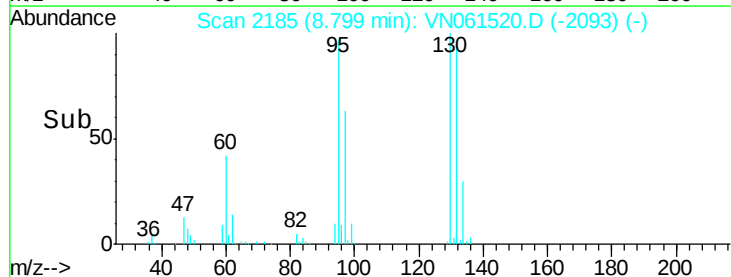
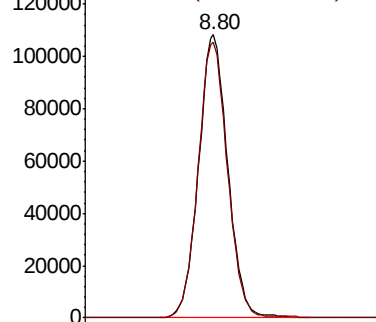


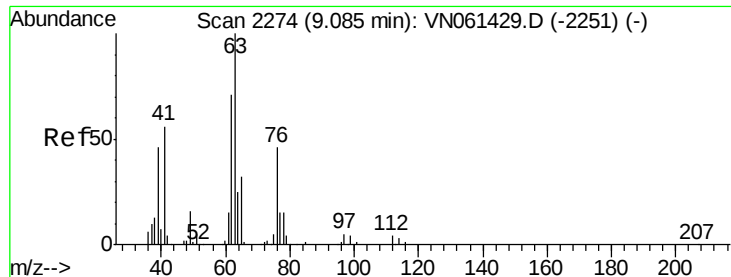
#44
Trichloroethene
Concen: 54.900 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	209.8



Abundance Ion 129.80 (129.50 to 130.50): VN061429.D (-2169) (-)
Ion 94.90 (94.60 to 95.60): VN061429.D (-2169) (-)





#45

1,2-Dichloropropane

Concen: 46.922 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

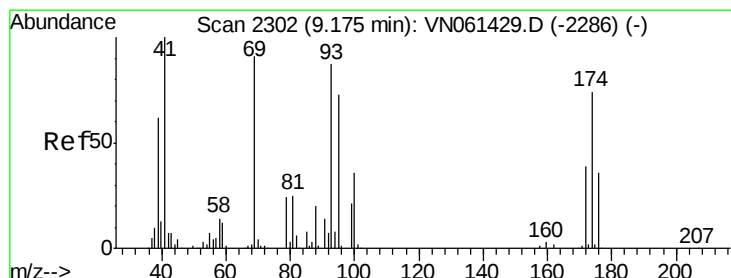
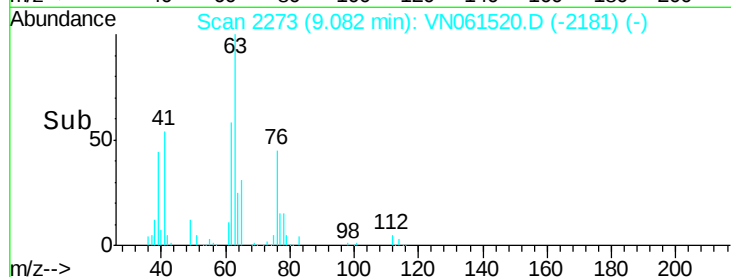
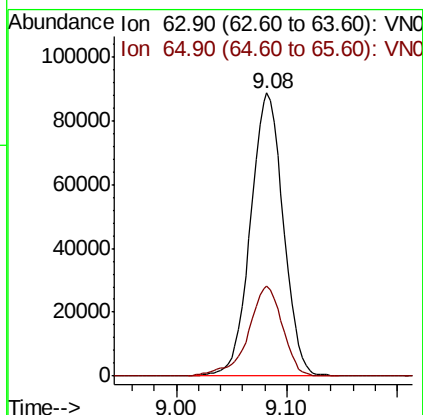
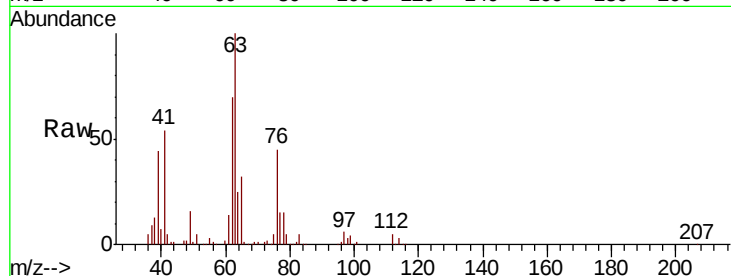
ClientSampled :

Tot Ion: 63 Resp: 182563

Ion Ratio Lower Upper

63 100

65 31.7 25.2 37.8



#46

Dibromomethane

Concen: 49.112 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

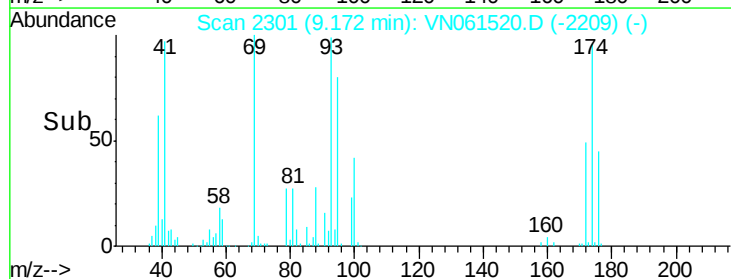
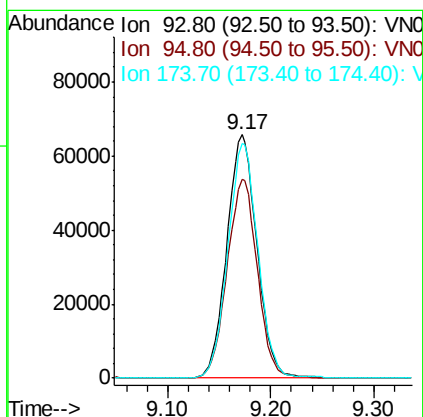
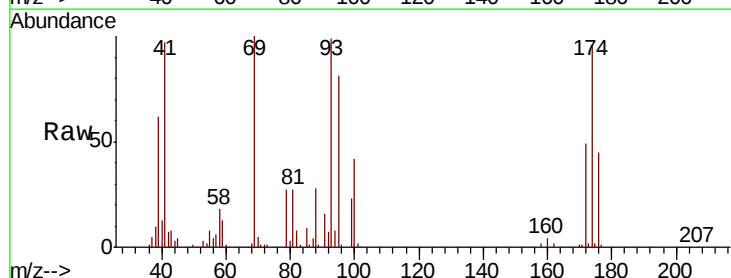
Tgt Ion: 93 Resp: 133953

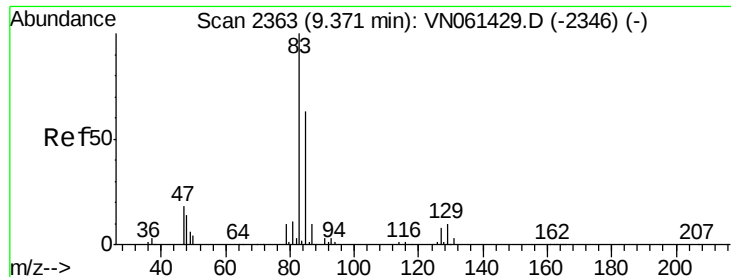
Ion Ratio Lower Upper

93 100

95 81.9 65.6 98.4

174 96.5 68.0 102.0





#47

Bromodichloromethane

Concen: 48.423 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

ClientSampleId :

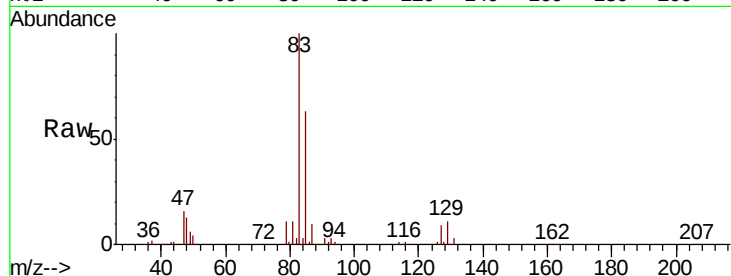
Tot Ion: 83 Resp: 278273

Ion Ratio Lower Upper

83 100

85 63.5 50.6 76.0

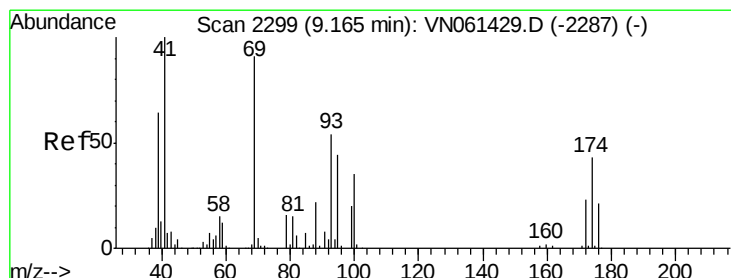
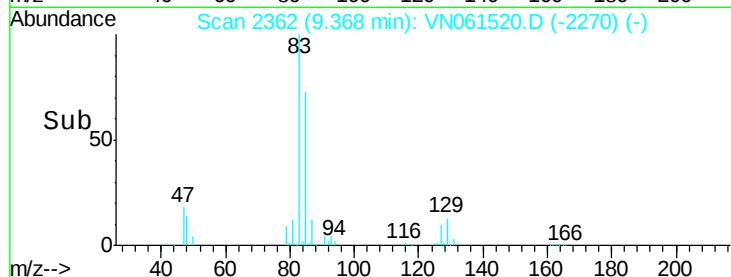
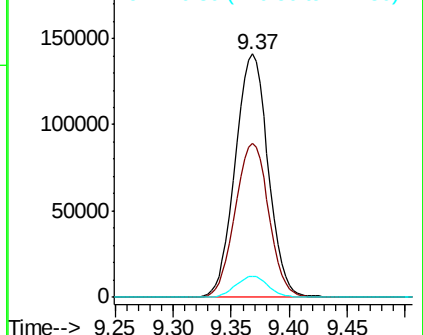
127 8.8 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN061520.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061520.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061520.D (-2270) (-)



#48

Methyl methacrylate

Concen: 39.817 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

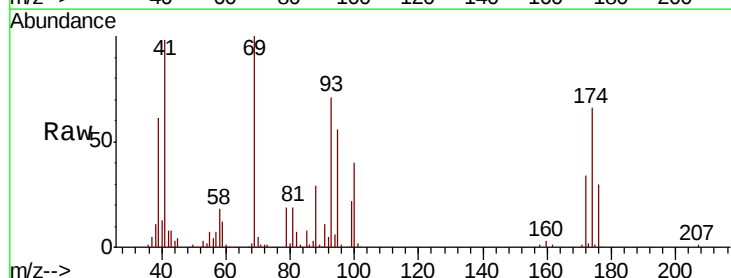
Tgt Ion: 41 Resp: 150066

Ion Ratio Lower Upper

41 100

69 101.8 75.3 112.9

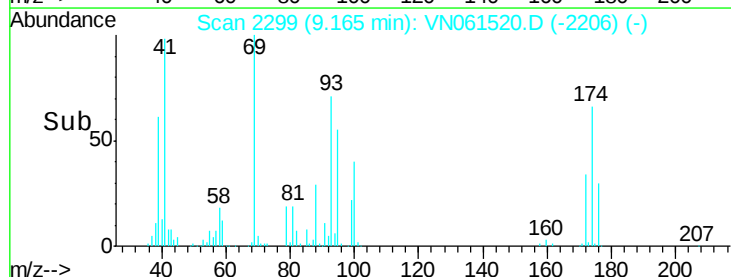
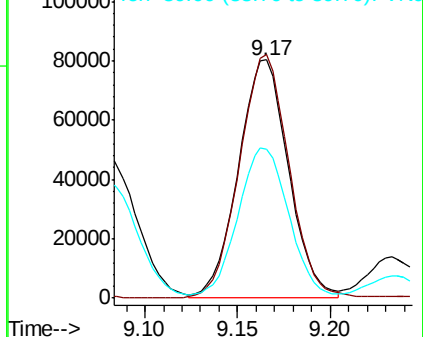
39 64.1 52.6 79.0

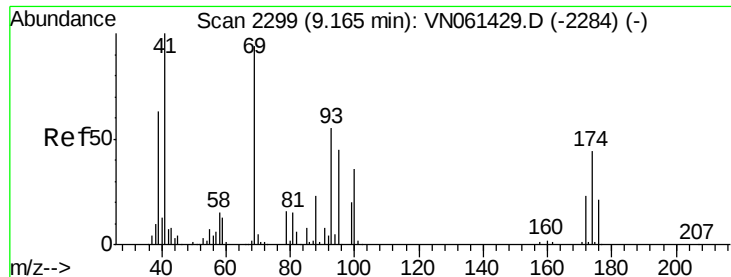


Abundance Ion 41.00 (40.70 to 41.70): VN061520.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061520.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061520.D (-2206) (-)

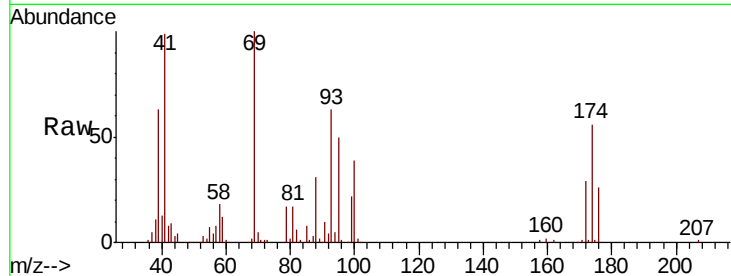




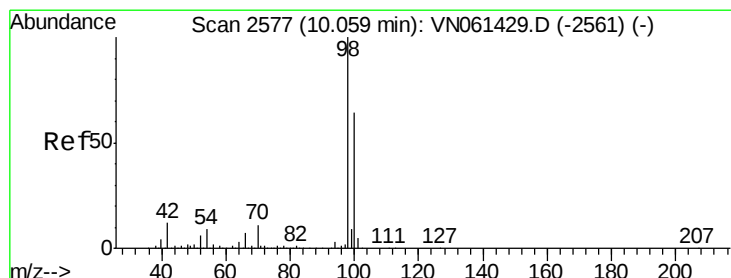
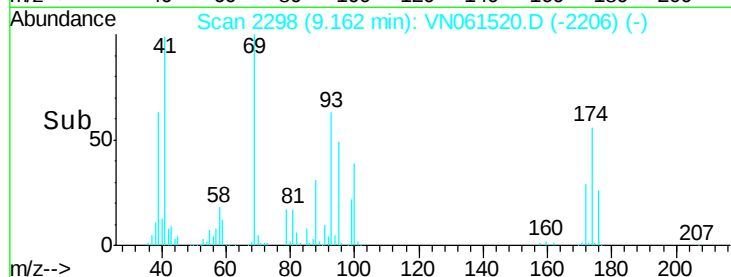
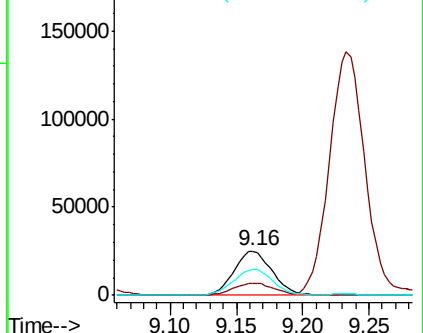
#49
1,4-Dioxane
Concen: 1281.608 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 50384
Ion Ratio Lower Upper
88 100
43 29.4 26.3 39.5
58 61.2 54.1 81.1

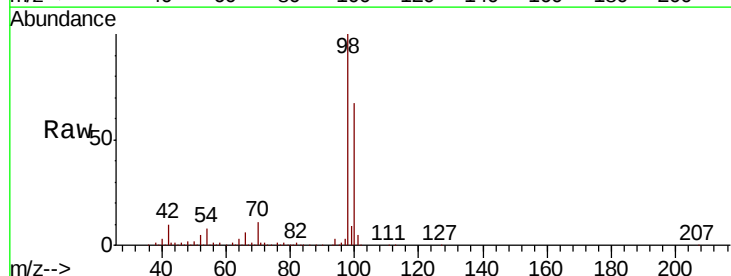


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

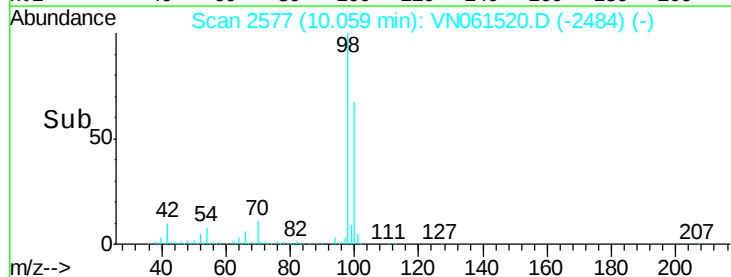
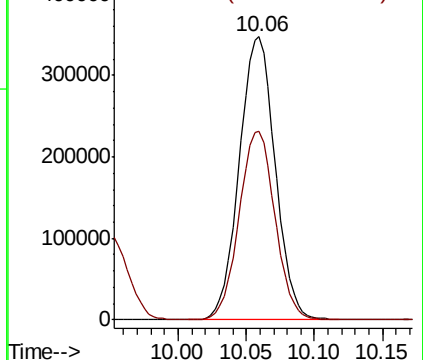


#50
Toluene-d8
Concen: 47.444 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Tgt Ion: 98 Resp: 635929
Ion Ratio Lower Upper
98 100
100 66.2 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 207.879 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

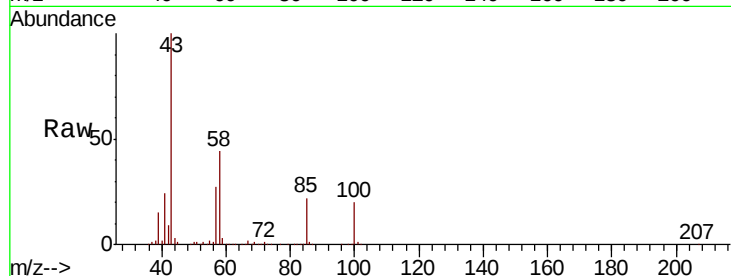
ClientSampled :

Tot Ion: 43 Resp: 923904

Ion Ratio Lower Upper

43 100

58 43.8 33.4 50.2



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-2524) (-)

Ion 58.00 (57.70 to 58.70): VN061429.D (-2524) (-)

9.95

600000

500000

400000

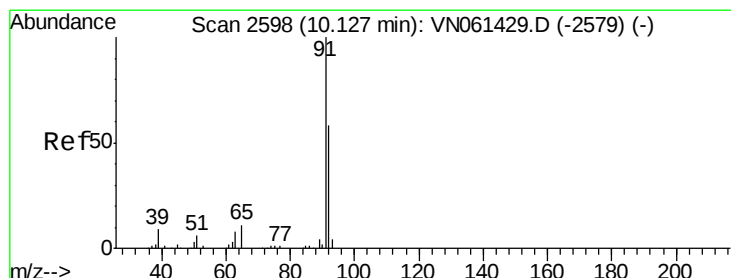
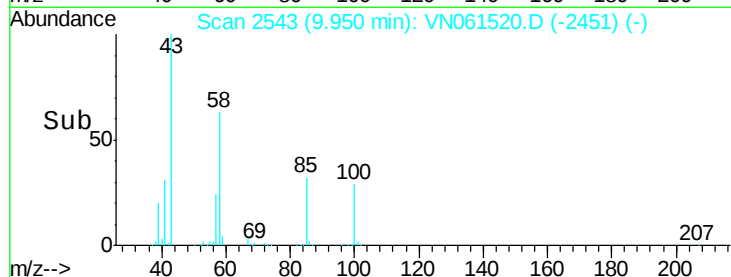
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.611 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061520.D

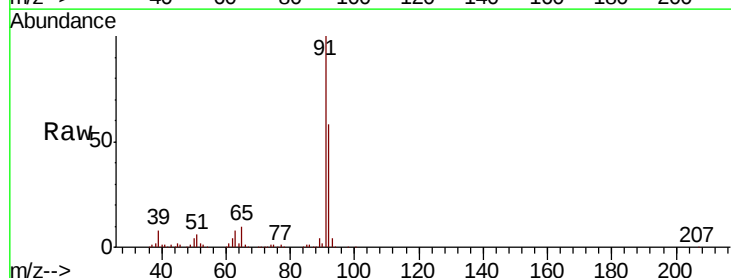
Acq: 21 May 2020 10:02

Tgt Ion: 92 Resp: 505069

Ion Ratio Lower Upper

92 100

91 170.3 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN061429.D (-2579) (-)

Ion 91.00 (90.70 to 91.70): VN061429.D (-2579) (-)

10.12

500000

400000

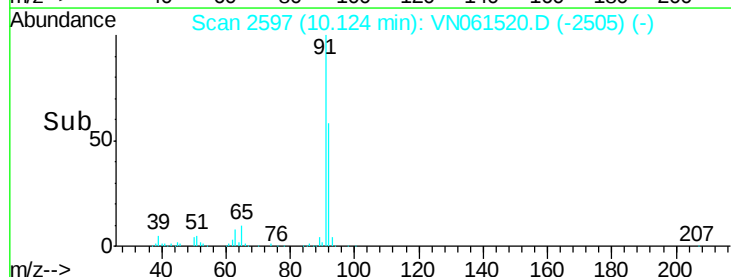
300000

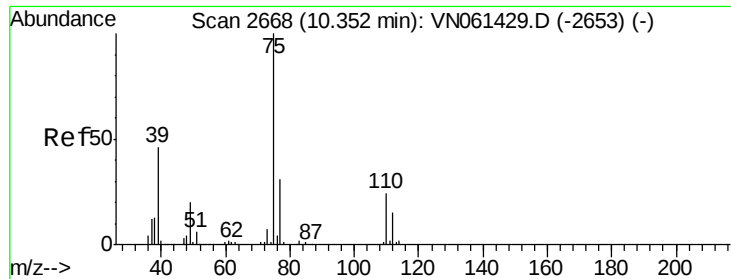
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.689 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

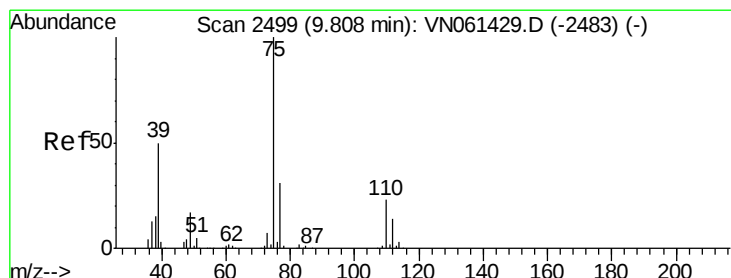
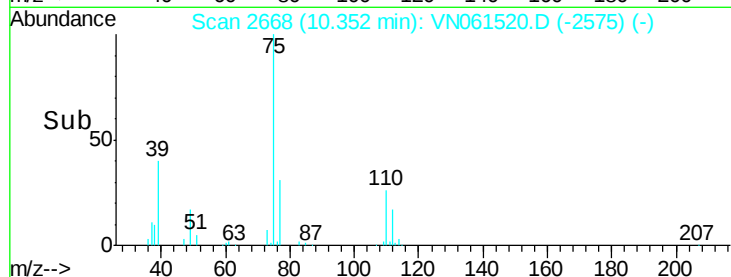
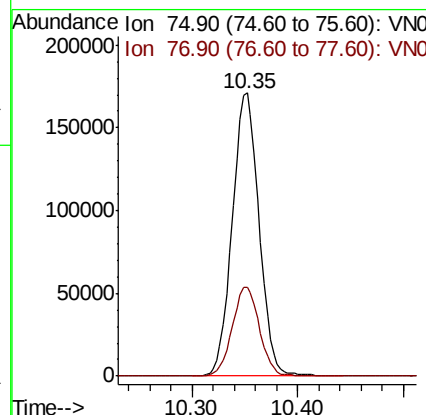
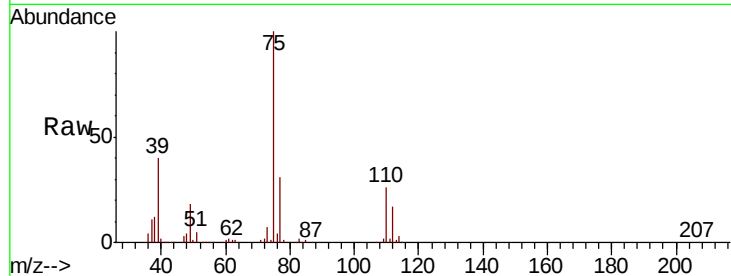
ClientSampleId :

Tot Ion: 75 Resp: 300374

Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 48.354 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

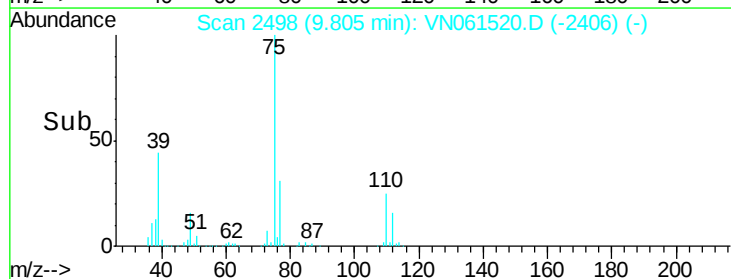
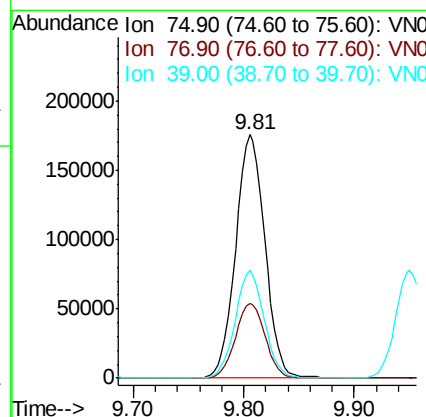
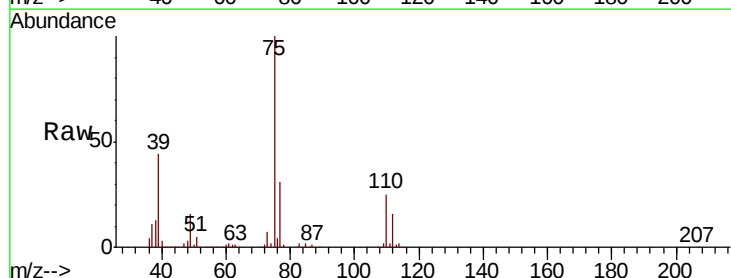
Tgt Ion: 75 Resp: 323764

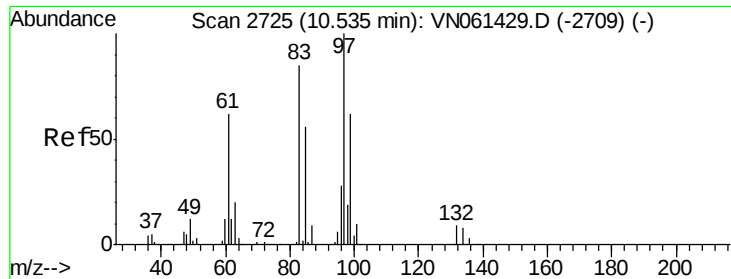
Ion Ratio Lower Upper

75 100

77 30.9 24.8 37.2

39 43.9 39.8 59.6

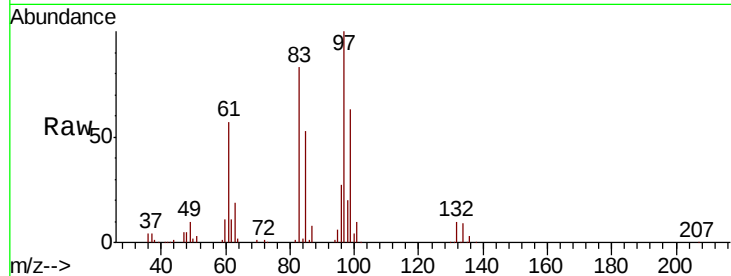




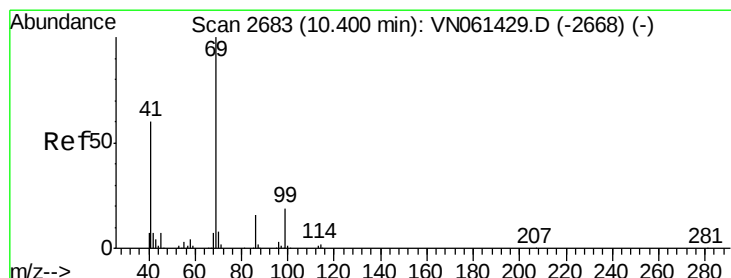
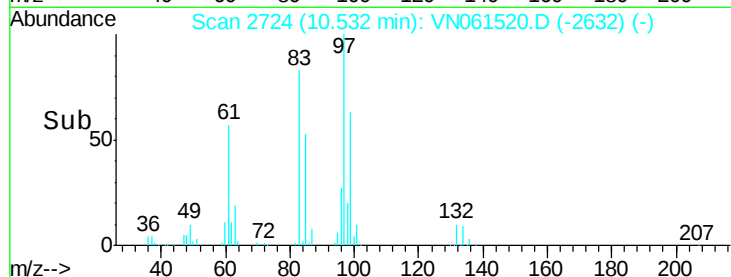
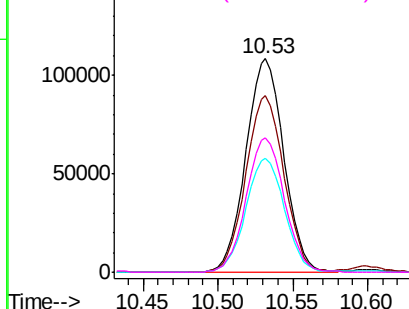
#55
 1,1,2-Trichloroethane
 Concen: 50.806 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061520.D
 Acq: 21 May 2020 10:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	191688
Ion	Ratio	Lower	Upper
97	100		
83	82.5	68.2	102.4
85	53.4	44.6	67.0
99	63.0	49.5	74.3

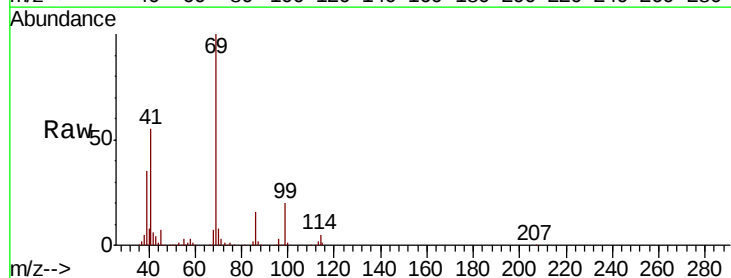


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

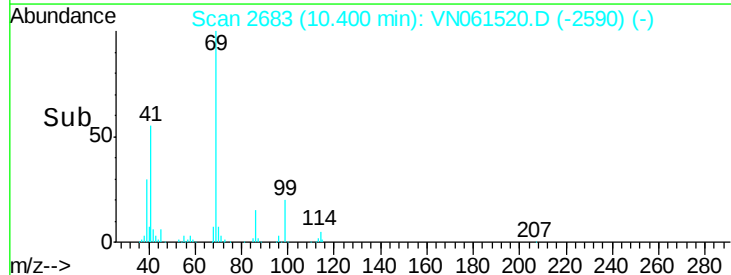
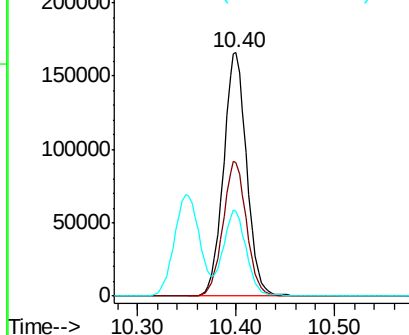


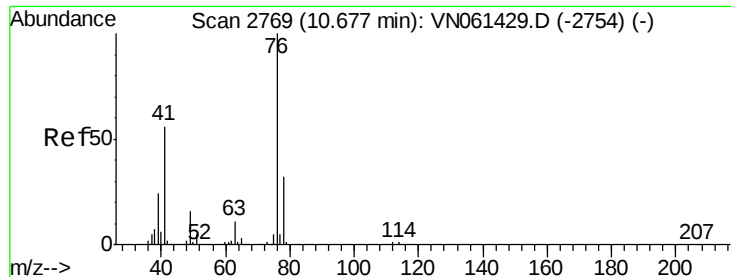
#56
 Ethyl methacrylate
 Concen: 46.514 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061520.D
 Acq: 21 May 2020 10:02

Tgt Ion:	69	Resp:	274367
Ion	Ratio	Lower	Upper
69	100		
41	55.4	48.3	72.5
39	34.9	30.2	45.2



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 48.194 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

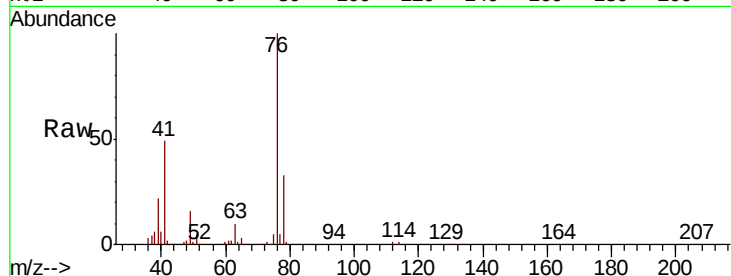
ClientSampled :

Tot Ion: 76 Resp: 314243

Ion Ratio Lower Upper

76 100

78 32.9 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN061520.D (-2676) (-)

Ion 77.90 (77.60 to 78.60): VN061520.D (-2676) (-)

10.68

200000

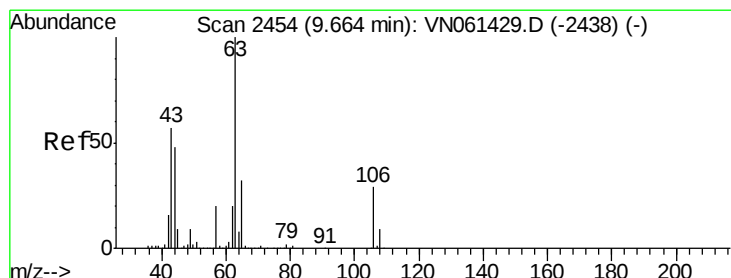
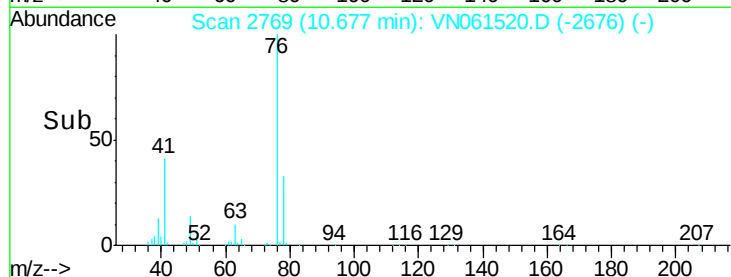
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 231.386 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN061520.D

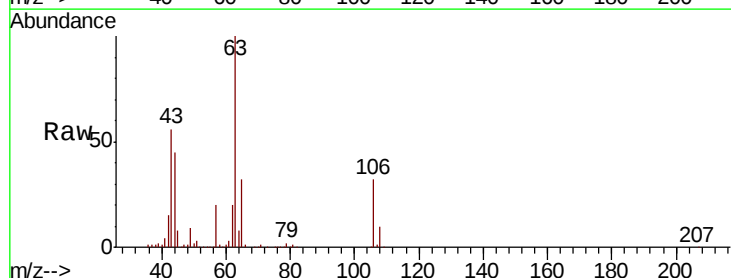
Acq: 21 May 2020 10:02

Tgt Ion: 63 Resp: 599083

Ion Ratio Lower Upper

63 100

106 32.0 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN061520.D (-2361) (-)

Ion 105.90 (105.60 to 106.60): VN061520.D (-2361) (-)

9.66

400000

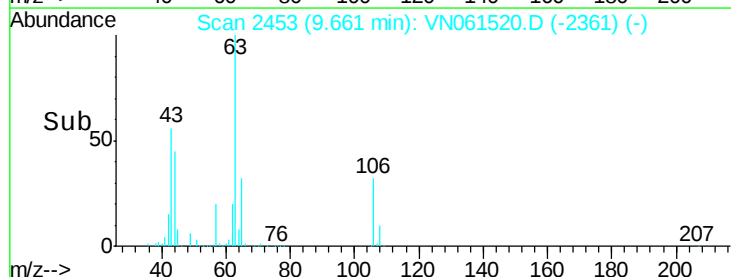
300000

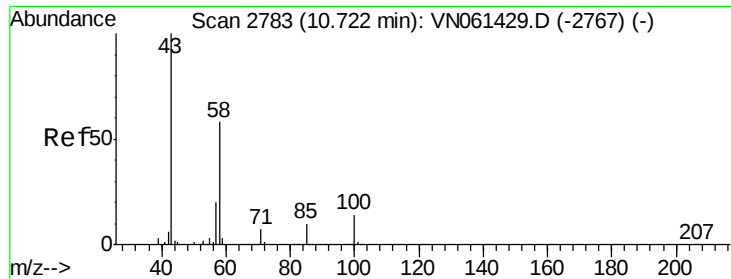
200000

100000

0

Time-->

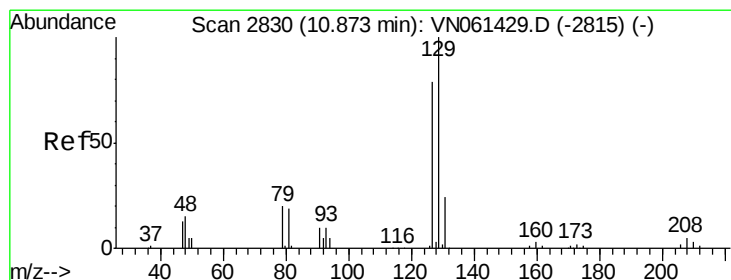
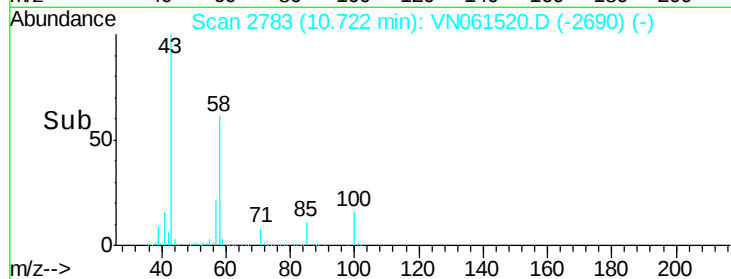
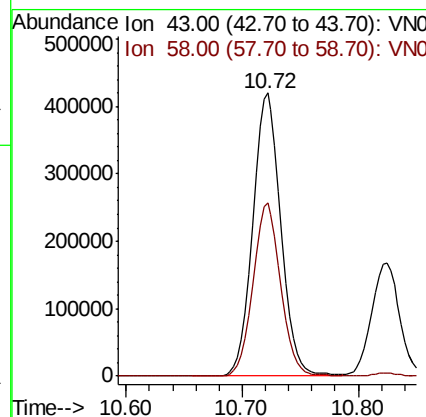
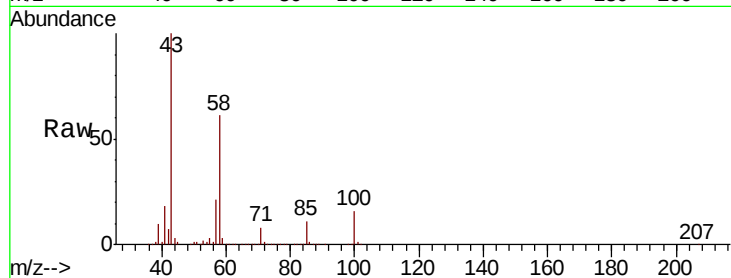




#59
2-Hexanone
Concen: 220.950 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

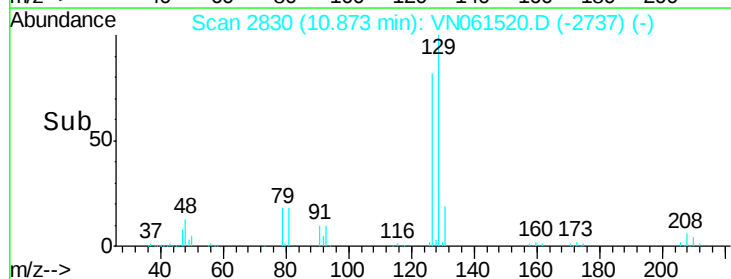
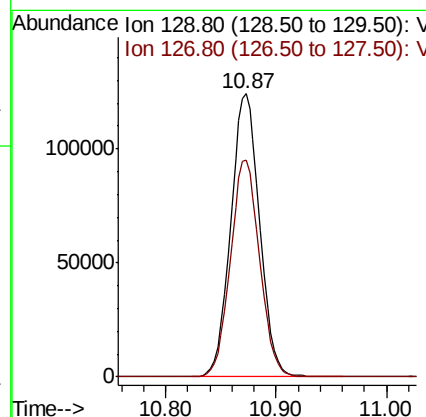
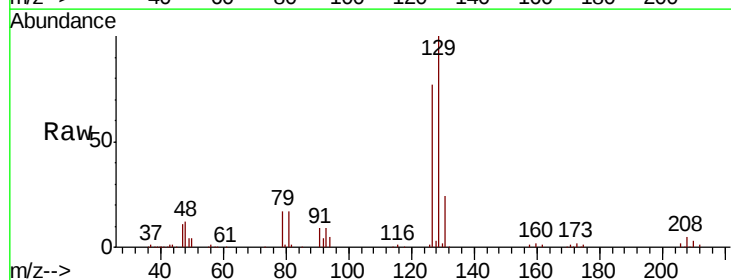
Instrument :
MSVOA_N
ClientSampleId :

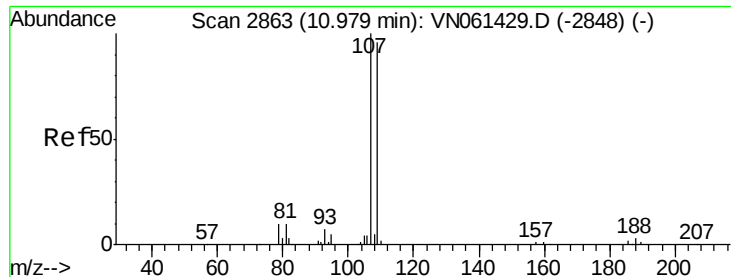
Tot Ion: 43 Resp: 710464
Ion Ratio Lower Upper
43 100
58 60.4 29.2 87.6



#60
Dibromochloromethane
Concen: 53.856 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Tgt Ion: 129 Resp: 224765
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3

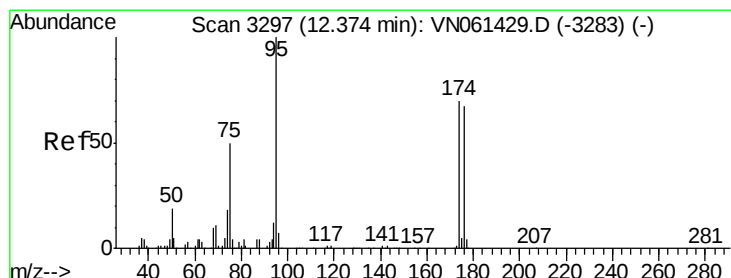
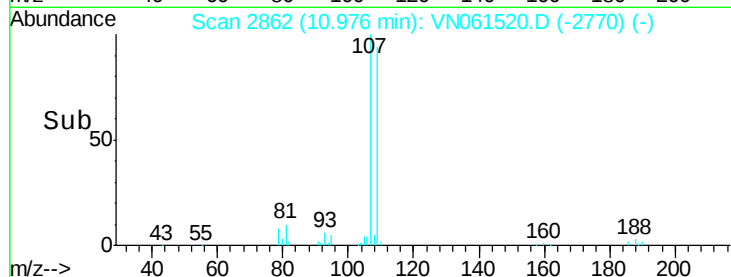
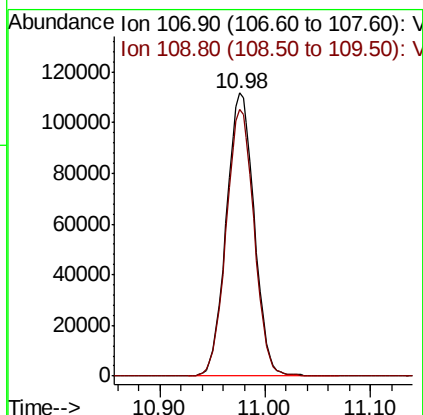
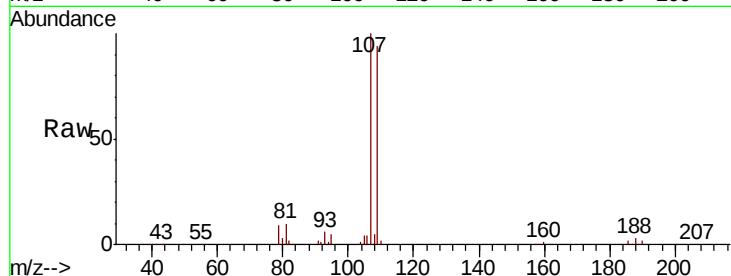




#61
 1,2-Dibromoethane
 Concen: 51.464 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061520.D
 Acq: 21 May 2020 10:02

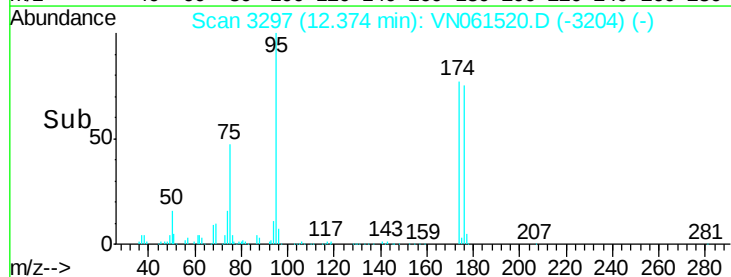
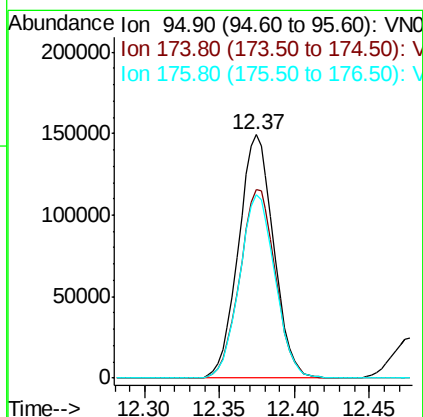
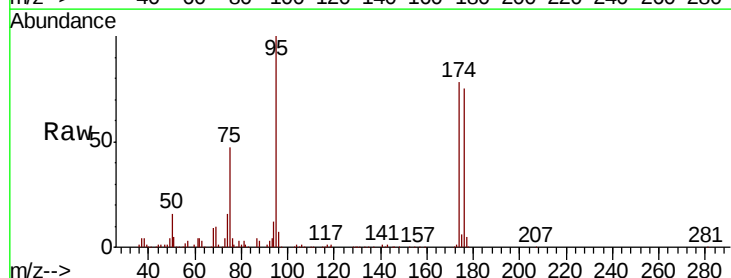
Instrument :
 MSVOA_N
 ClientSampled :

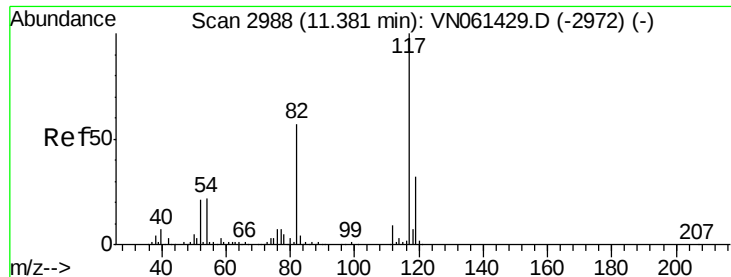
Tot Ion:107 Resp: 204158
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 48.652 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VN061520.D
 Acq: 21 May 2020 10:02

Tgt Ion: 95 Resp: 243636
 Ion Ratio Lower Upper
 95 100
 174 78.8 0.0 141.2
 176 76.6 0.0 137.6

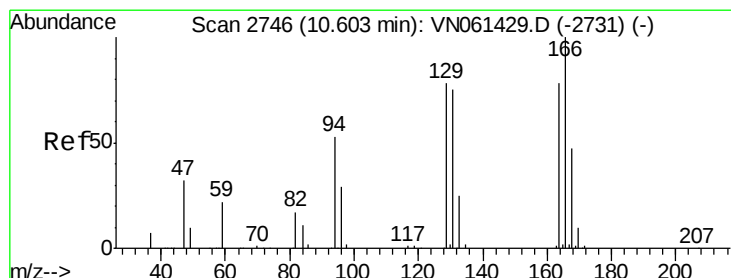
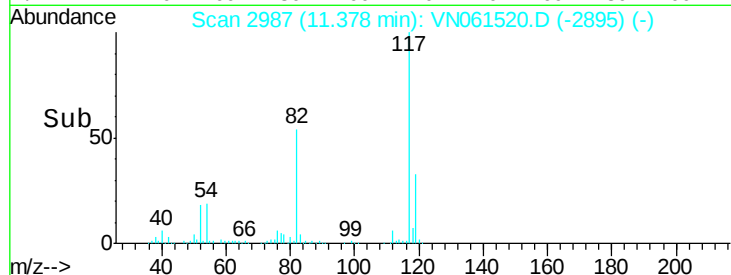
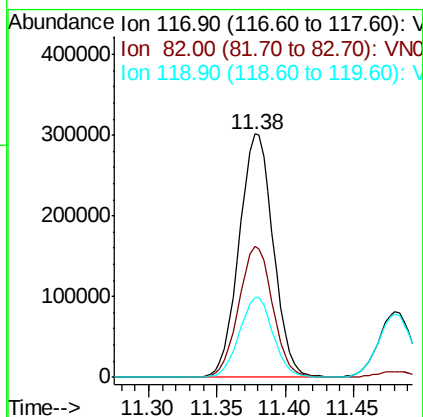
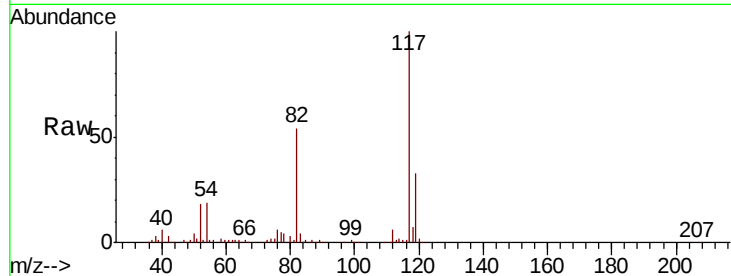




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

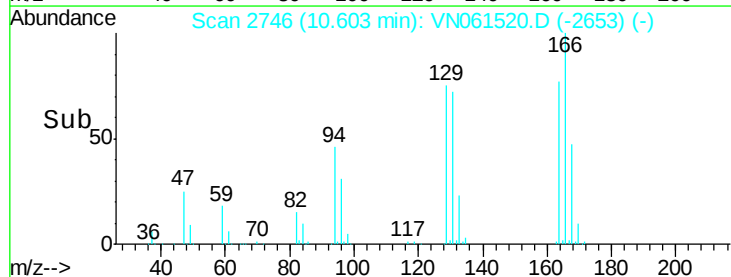
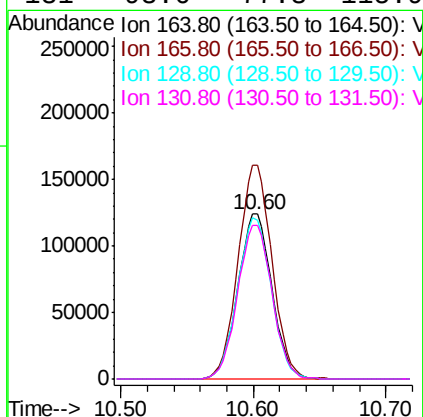
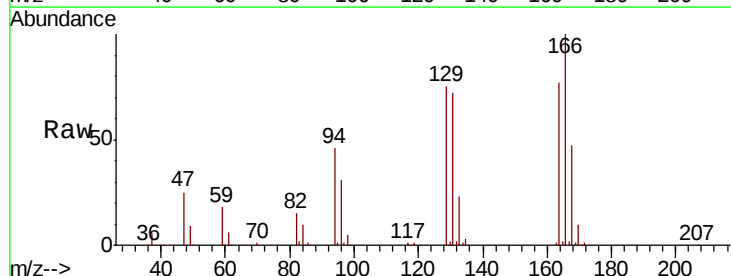
Instrument :
MSVOA_N
ClientSampled :

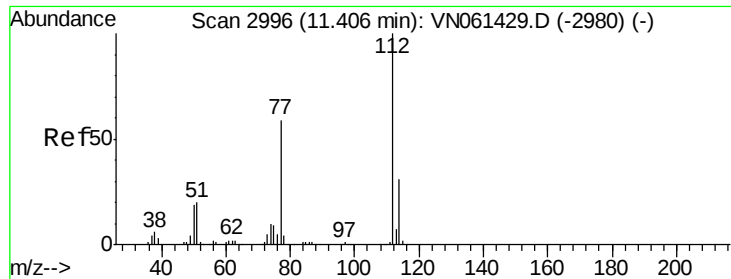
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.2	67.8
119	32.6	25.3	37.9



#64
Tetrachloroethene
Concen: 54.431 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.2	154.8
129	96.7	81.0	121.4
131	93.6	77.3	115.9





#65

Chlorobenzene

Concen: 51.182 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

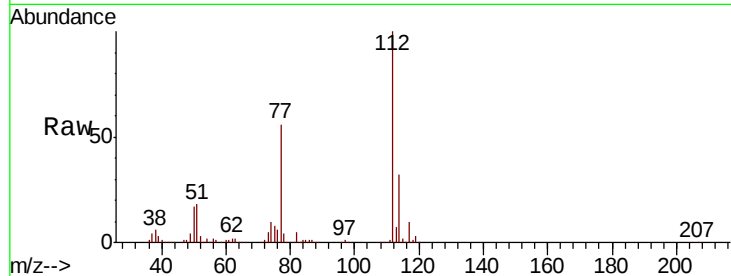
ClientSampleId :

Tot Ion:112 Resp: 548692

Ion Ratio Lower Upper

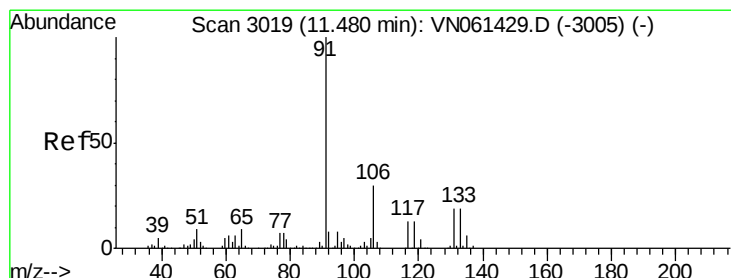
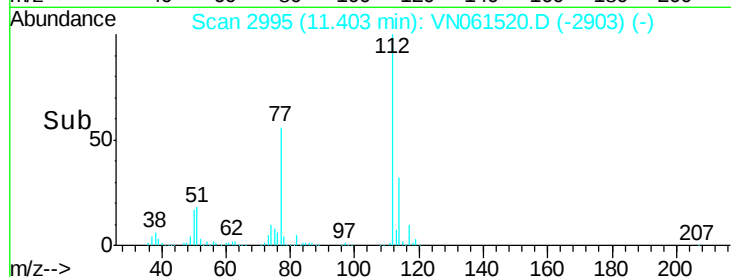
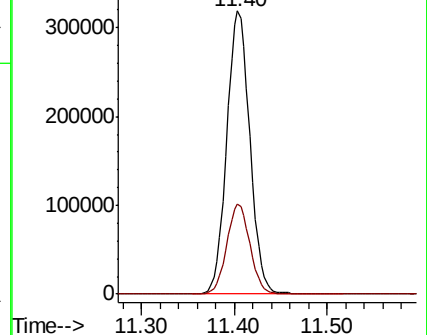
112 100

114 31.8 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.501 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

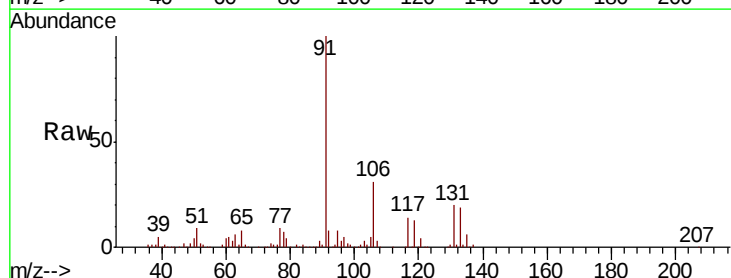
Tgt Ion:131 Resp: 205620

Ion Ratio Lower Upper

131 100

133 94.7 48.7 146.1

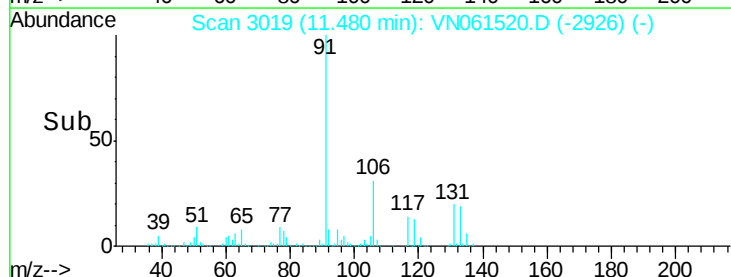
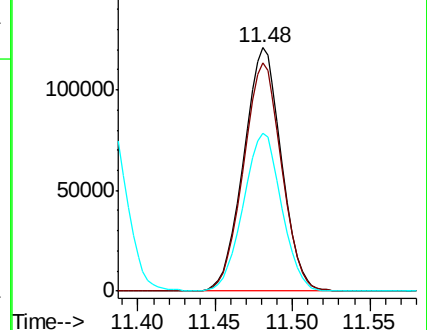
119 65.8 33.8 101.3

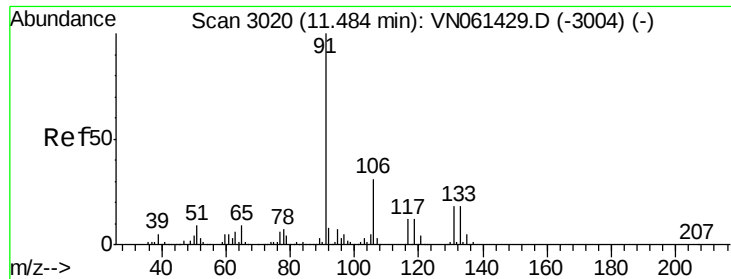


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.466 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

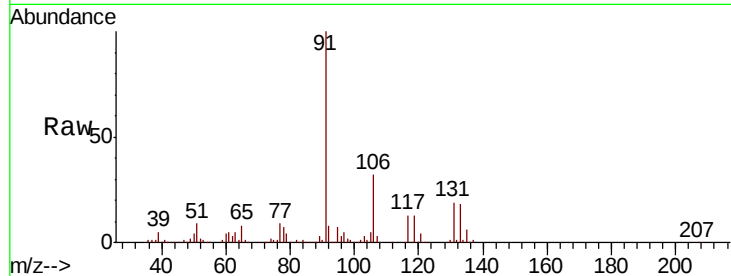
ClientSampled :

Tot Ion: 91 Resp: 987572

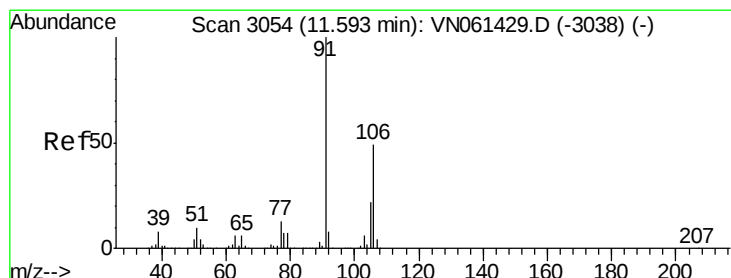
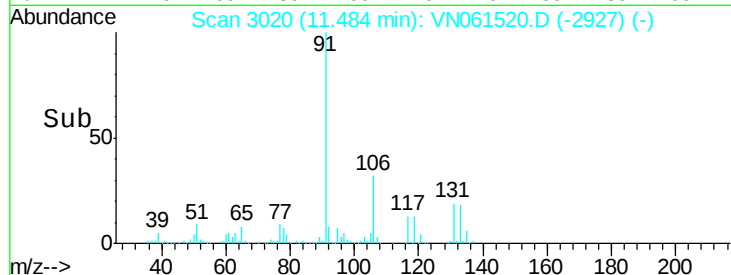
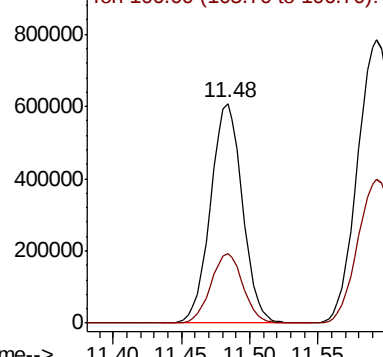
Ion Ratio Lower Upper

91 100

106 31.5 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN061520.D (-2927) (-)



#68

m/p-Xylenes

Concen: 104.158 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN061520.D

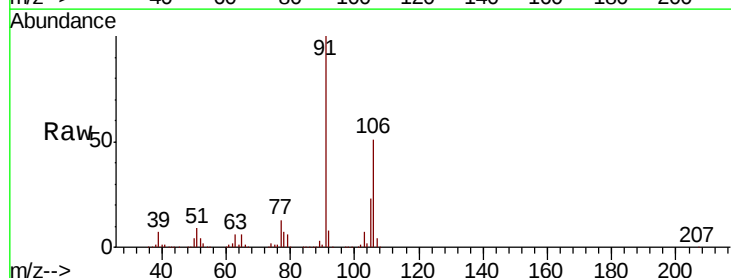
Acq: 21 May 2020 10:02

Tgt Ion: 106 Resp: 773667

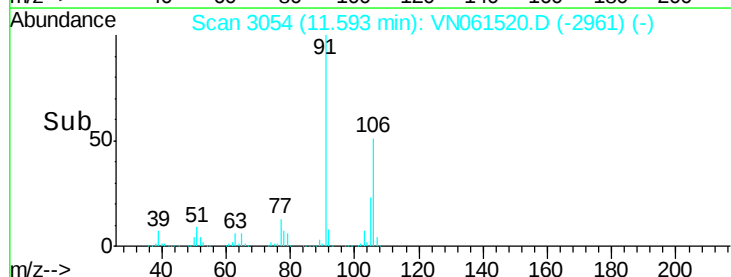
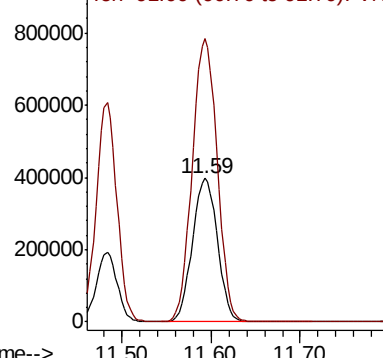
Ion Ratio Lower Upper

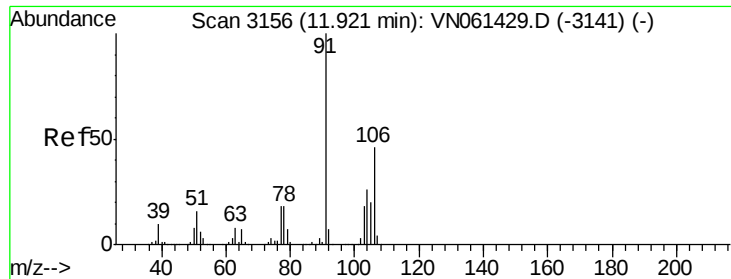
106 100

91 196.7 163.0 244.6



Abundance Ion 106.00 (105.70 to 106.70): VN061520.D (-2961) (-)

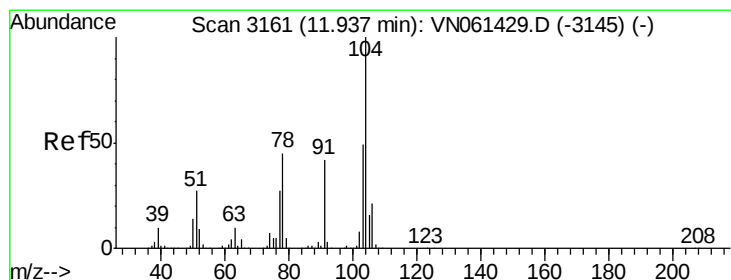
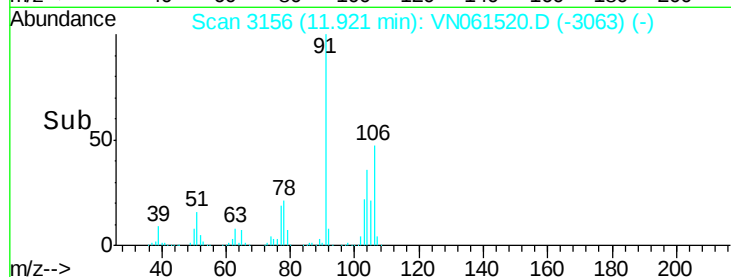
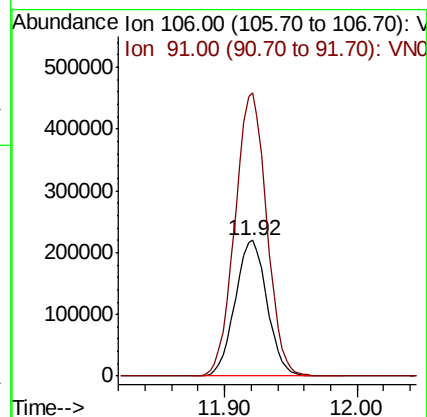
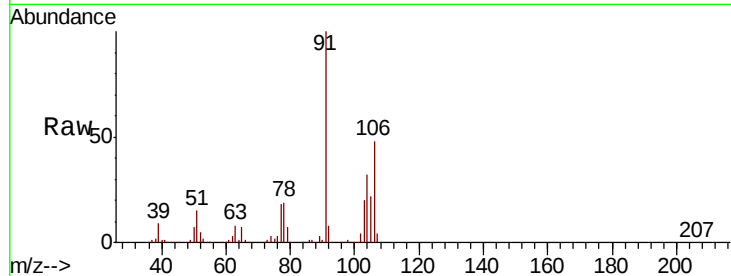




#69
o-Xylene
Concen: 51.243 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

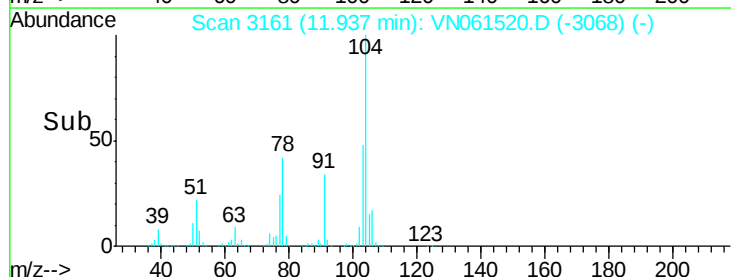
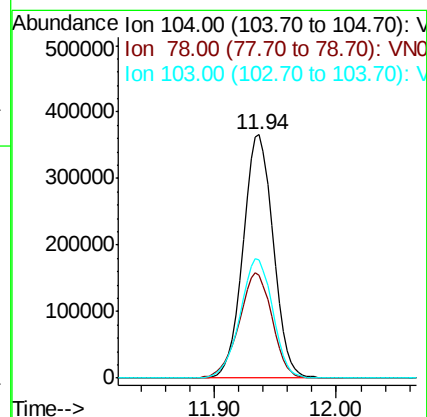
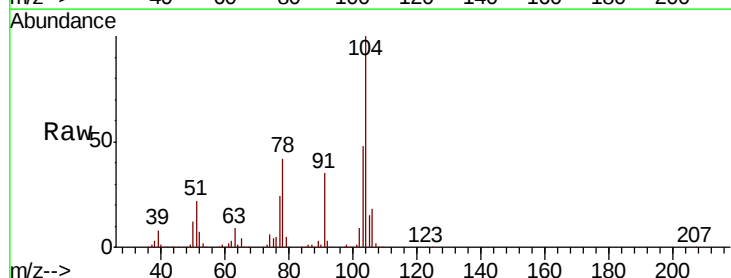
Instrument :
MSVOA_N
ClientSampled :

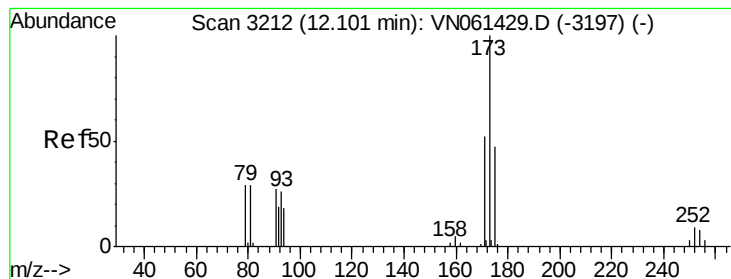
Tot Ion:106 Resp: 368334
Ion Ratio Lower Upper
106 100
91 207.3 107.9 323.7



#70
Styrene
Concen: 52.412 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Tgt Ion:104 Resp: 623866
Ion Ratio Lower Upper
104 100
78 47.6 40.7 61.1
103 53.4 43.0 64.4





#71

Bromoform

Concen: 49.364 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

ClientSampleId :

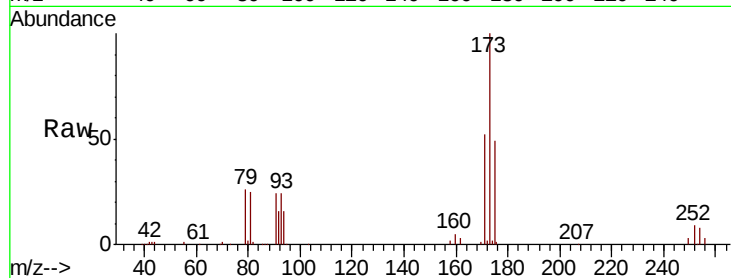
Tot Ion:173 Resp: 147451

Ion Ratio Lower Upper

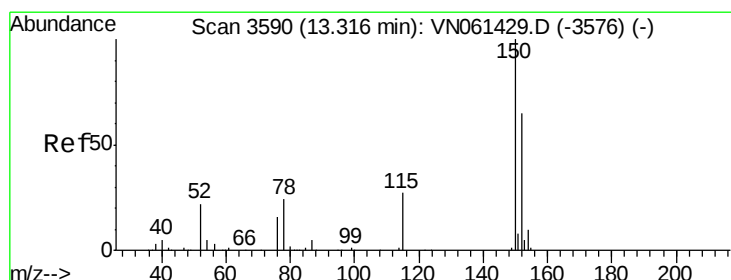
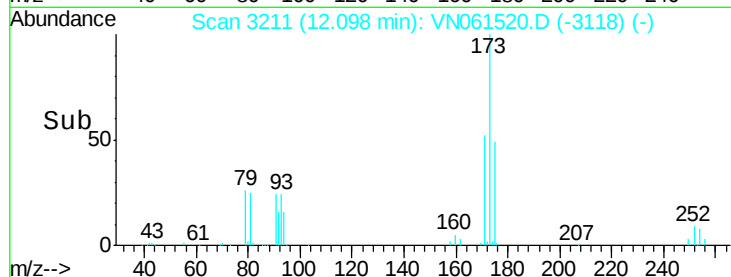
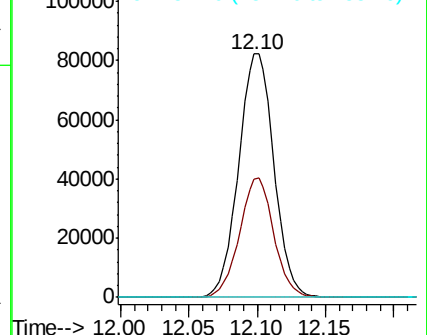
173 100

175 47.7 23.9 71.8

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: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

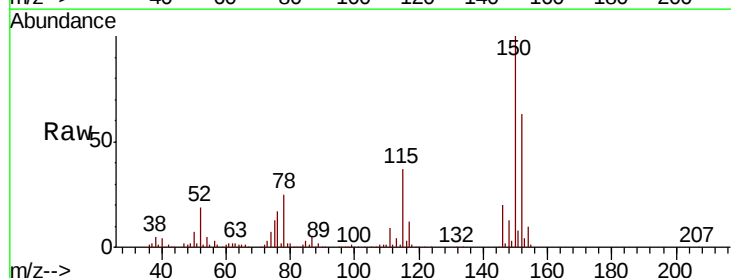
Tgt Ion:152 Resp: 264857

Ion Ratio Lower Upper

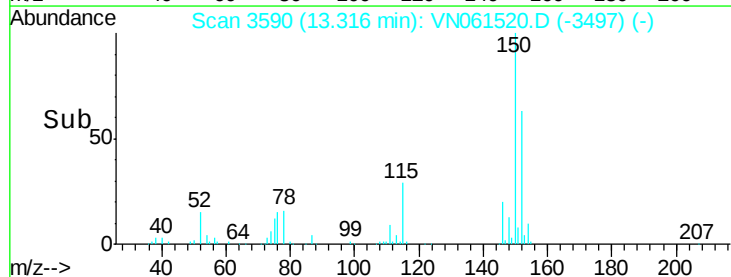
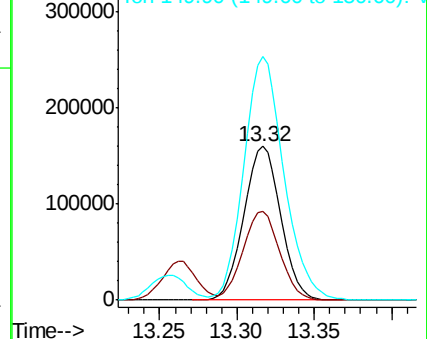
152 100

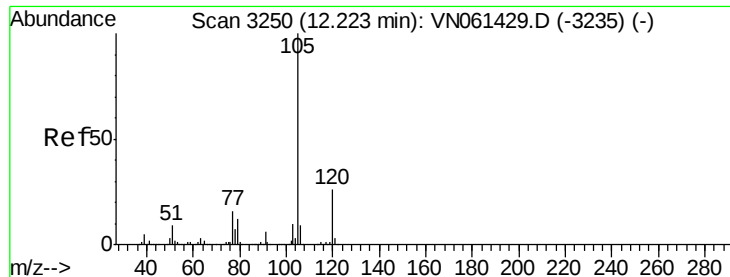
115 57.6 30.9 92.5

150 172.5 0.0 349.2



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





#73

Isopropylbenzene

Concen: 45.745 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

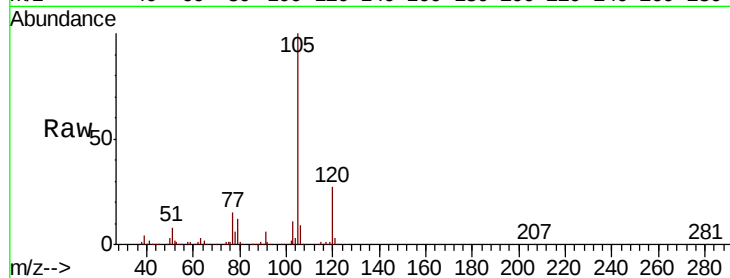
ClientSampleId :

Tot Ion:105 Resp: 972657

Ion Ratio Lower Upper

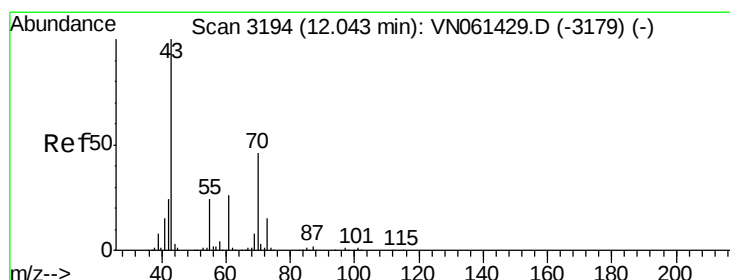
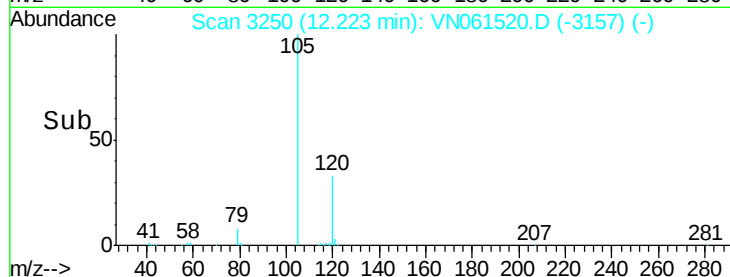
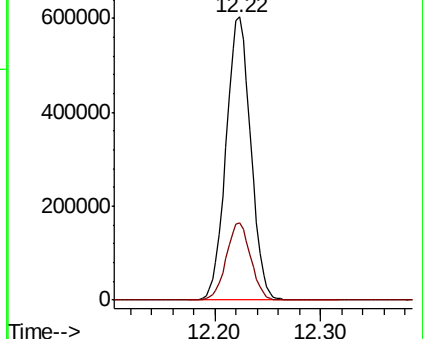
105 100

120 27.1 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 37.472 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Tgt Ion: 43 Resp: 291636

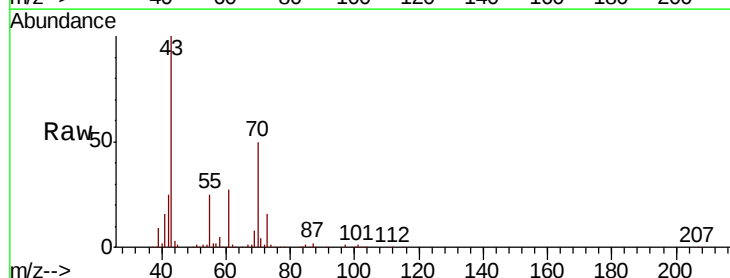
Ion Ratio Lower Upper

43 100

70 50.2 37.0 55.4

55 26.0 19.5 29.3

61 26.9 20.8 31.2

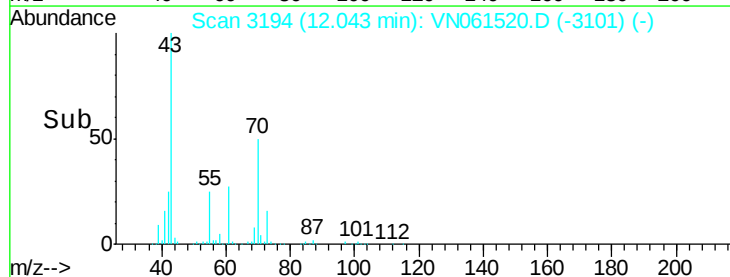
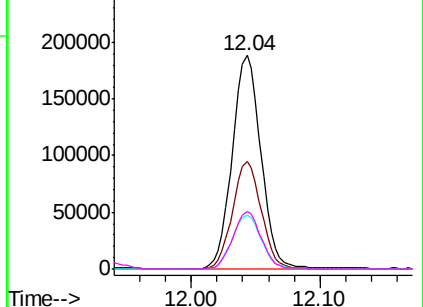


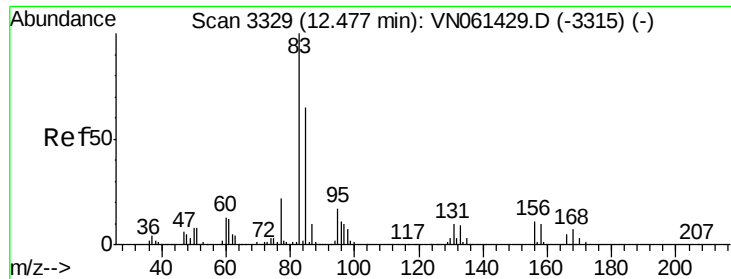
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 42.688 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

ClientSampleId :

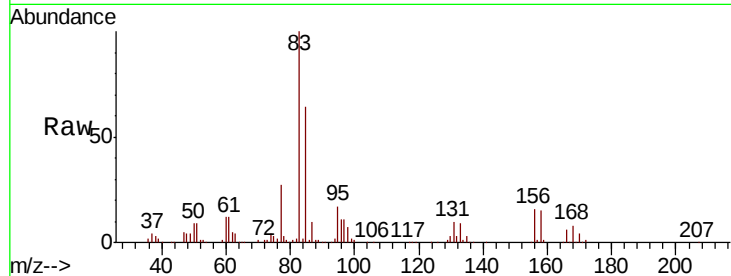
Tot Ion: 83 Resp: 249718

Ion Ratio Lower Upper

83 100

131 10.5 4.8 14.4

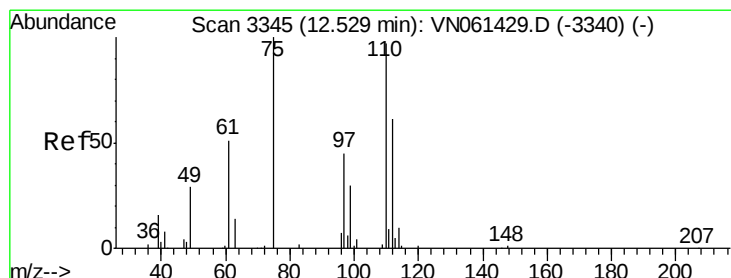
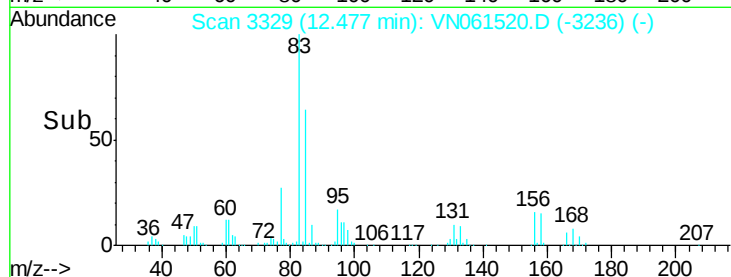
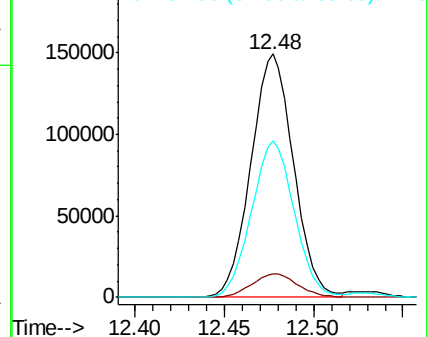
85 64.6 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN061520.D (-3236) (-)

Ion 130.80 (130.50 to 131.50): VN061520.D (-3236) (-)

Ion 84.90 (84.60 to 85.60): VN061520.D (-3236) (-)



#76

1,2,3-Trichloropropane

Concen: 57.890 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN061520.D

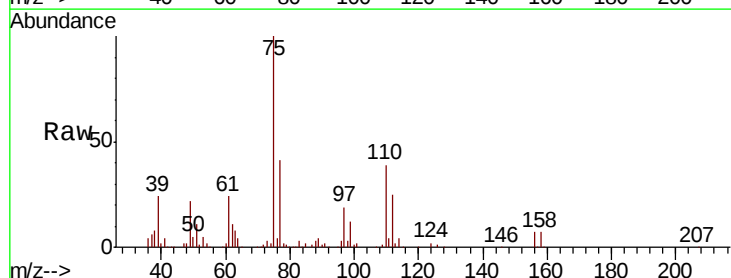
Acq: 21 May 2020 10:02

Tgt Ion: 75 Resp: 328999

Ion Ratio Lower Upper

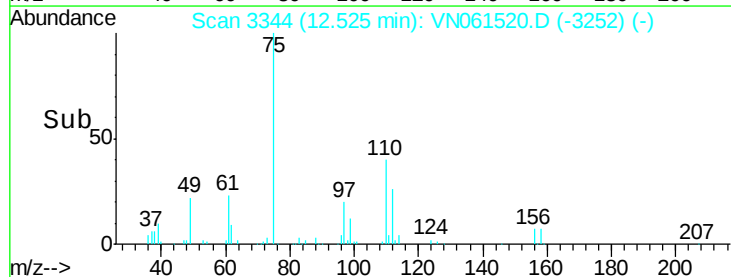
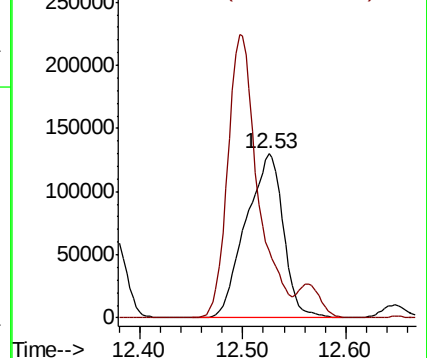
75 100

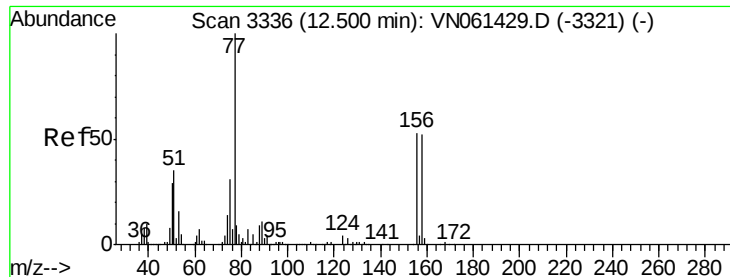
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061520.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061520.D (-3252) (-)





#77

Bromobenzene

Concen: 51.643 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

ClientSampled :

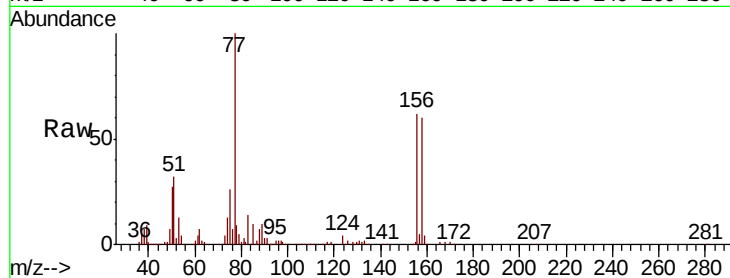
Tot Ion:156 Resp: 238306

Ion Ratio Lower Upper

156 100

77 192.0 112.3 336.9

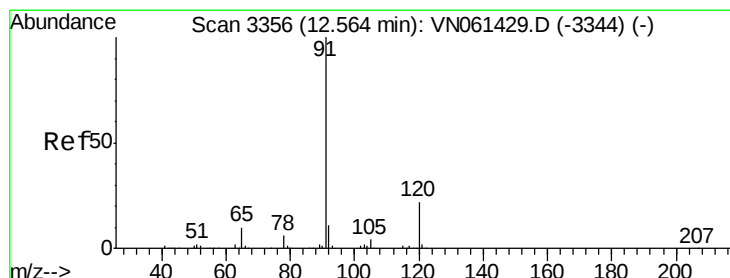
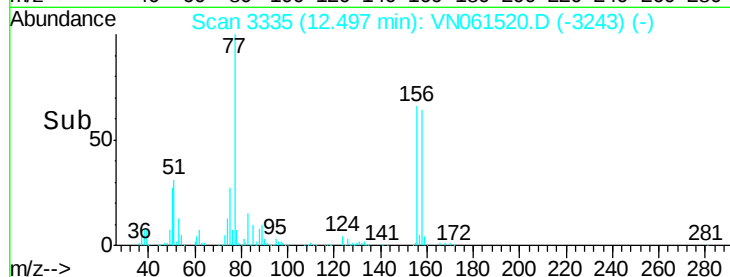
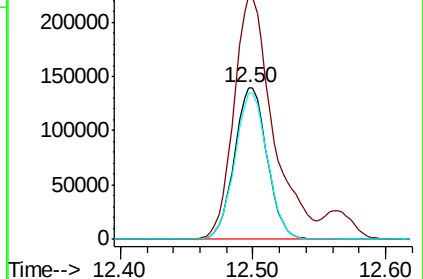
158 96.9 47.9 143.6



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: 45.719 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061520.D

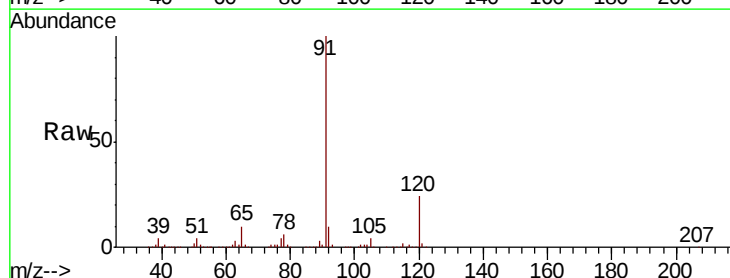
Acq: 21 May 2020 10:02

Tgt Ion: 91 Resp: 1107603

Ion Ratio Lower Upper

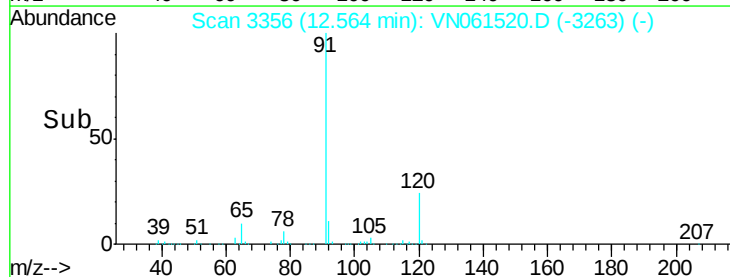
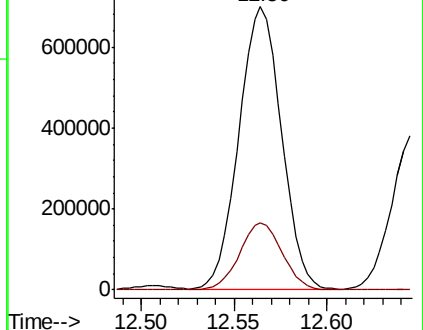
91 100

120 23.9 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.978 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

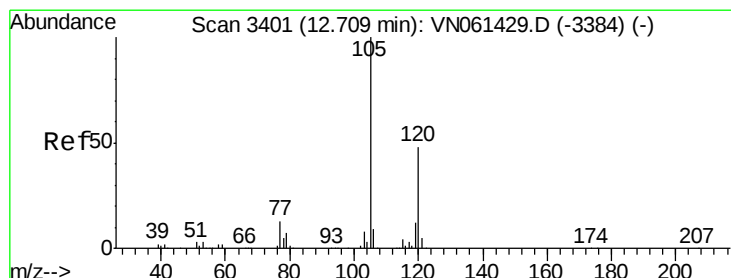
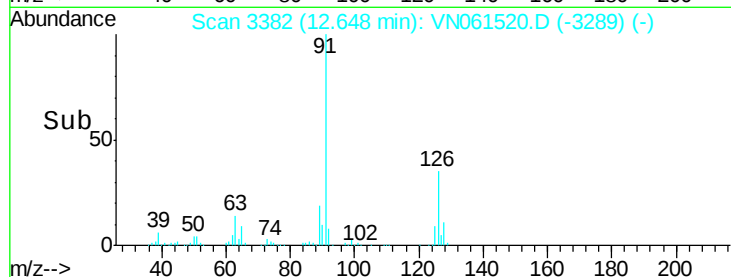
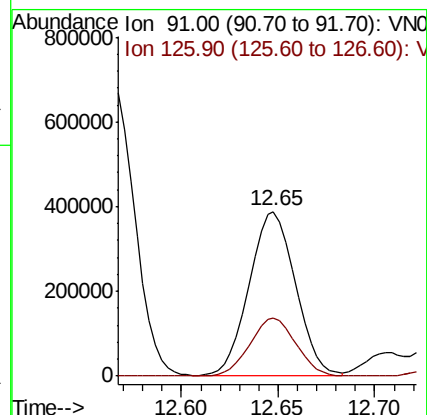
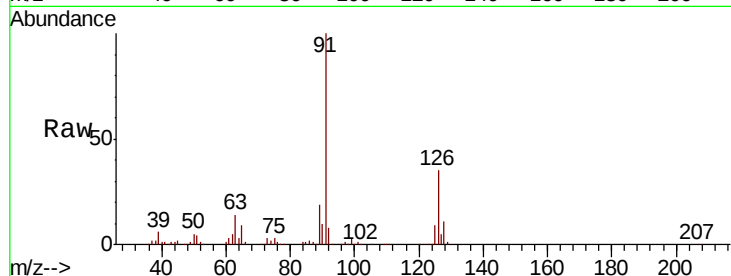
ClientSampled :

Tot Ion: 91 Resp: 644079

Ion Ratio Lower Upper

91 100

126 35.3 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 47.196 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061520.D

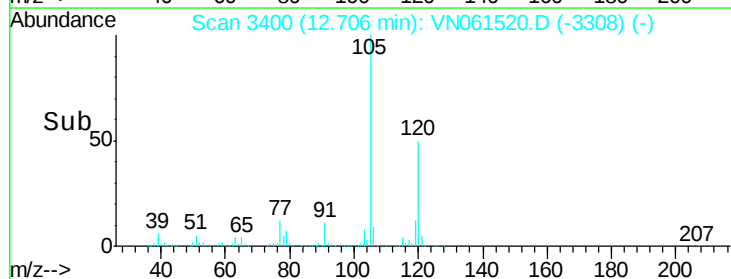
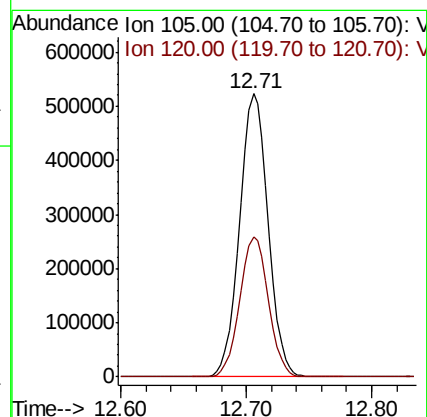
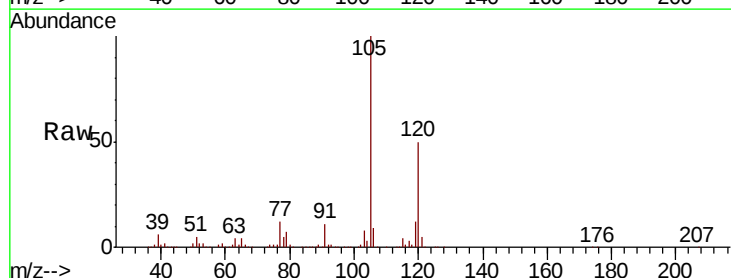
Acq: 21 May 2020 10:02

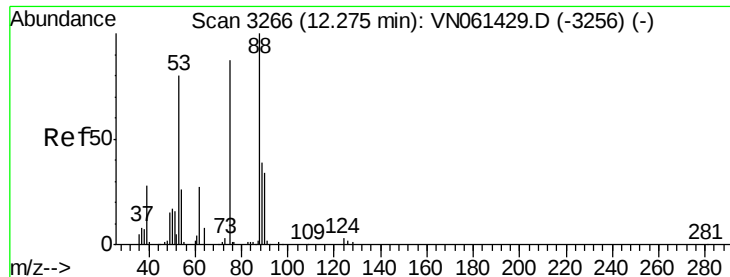
Tgt Ion: 105 Resp: 821673

Ion Ratio Lower Upper

105 100

120 49.9 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 40.261 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

ClientSampleId :

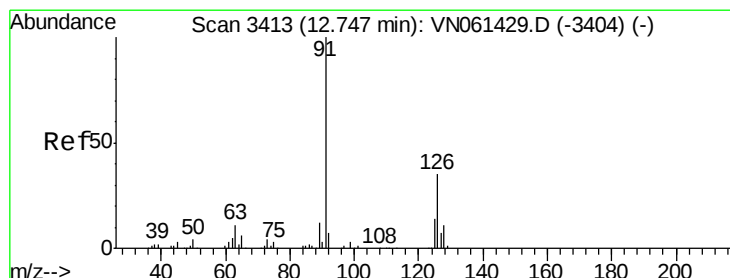
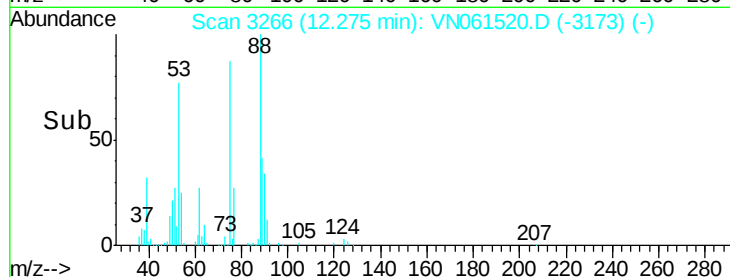
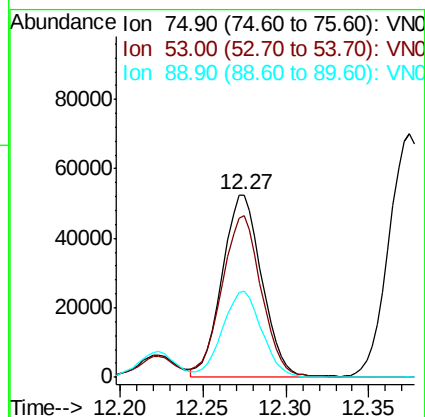
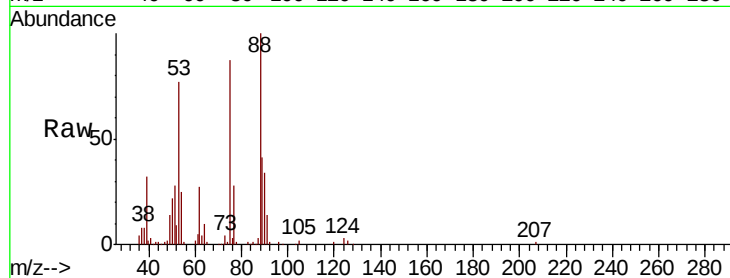
Tot Ion: 75 Resp: 86253

Ion Ratio Lower Upper

75 100

53 90.5 75.2 112.8

89 47.4 38.2 57.4



#82

4-Chlorotoluene

Concen: 46.057 ug/l

RT: 12.74 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VN061520.D

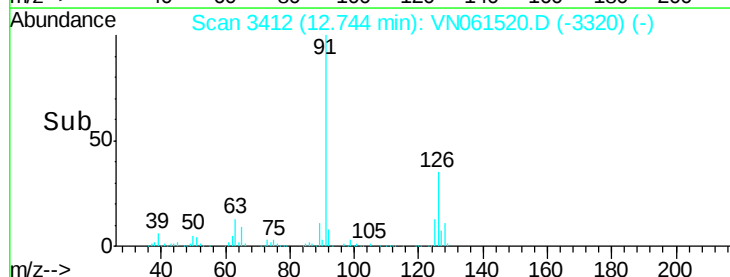
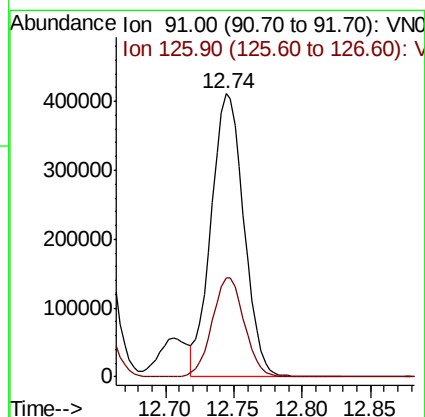
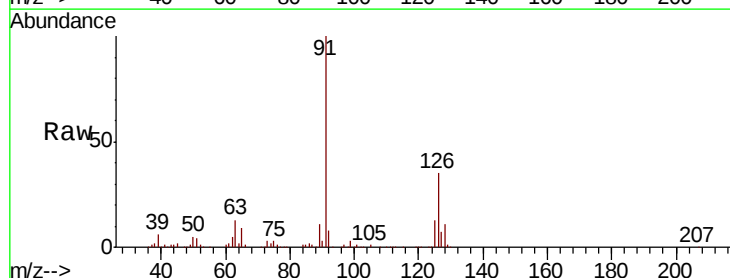
Acq: 21 May 2020 10:02

Tgt Ion: 91 Resp: 682900

Ion Ratio Lower Upper

91 100

126 34.6 16.1 48.2

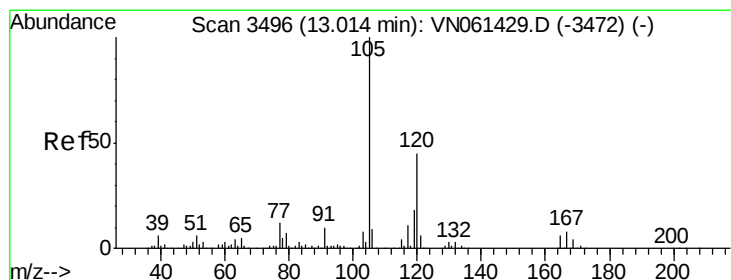
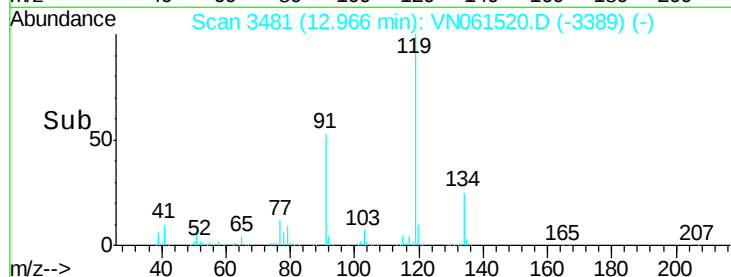
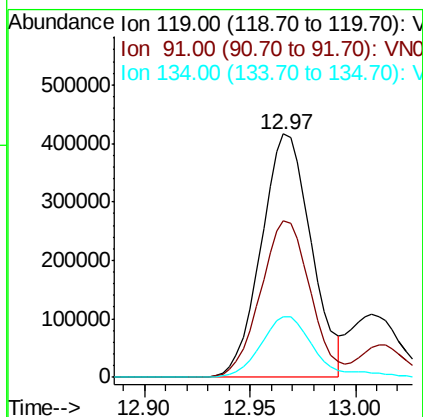
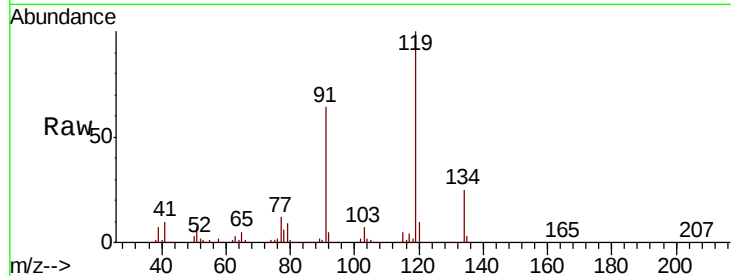




#83
 tert-Butylbenzene
 Concen: 45.992 ug/l
 RT: 12.97 min Scan# 3481
 Delta R.T. -0.00 min
 Lab File: VN061520.D
 Acq: 21 May 2020 10:02

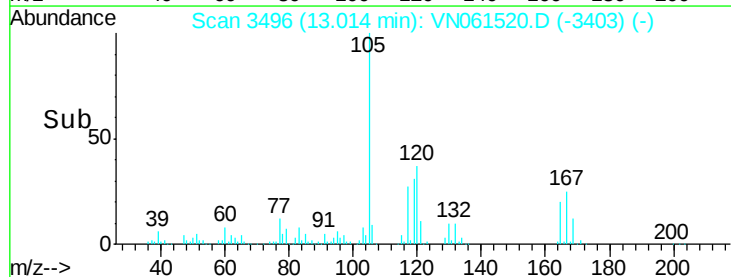
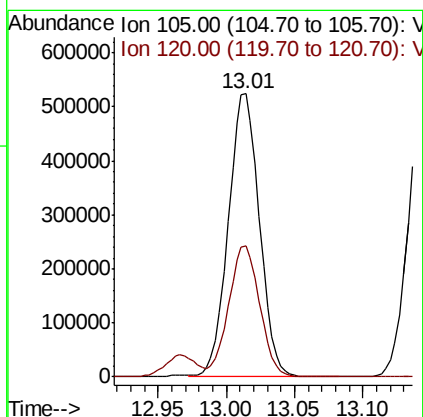
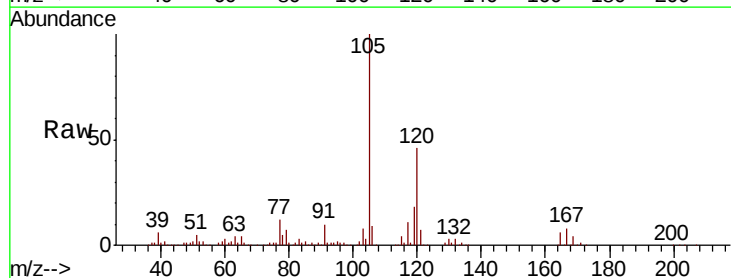
Instrument :
 MSVOA_N
 ClientSampled :

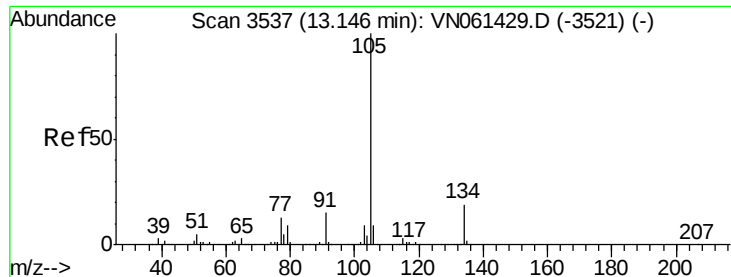
Tot Ion:119 Resp: 685870
 Ion Ratio Lower Upper
 119 100
 91 64.1 33.7 101.0
 134 26.8 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 47.423 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061520.D
 Acq: 21 May 2020 10:02

Tgt Ion:105 Resp: 826264
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.4 67.3





#85

sec-Butylbenzene

Concen: 45.268 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

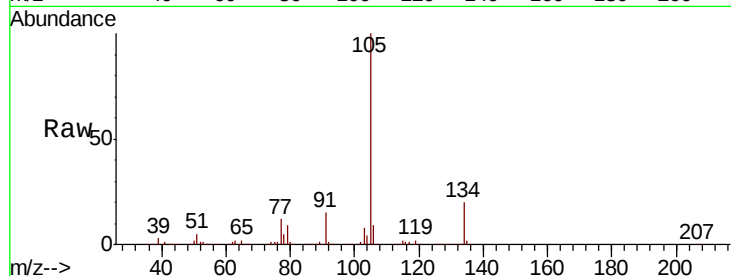
ClientSampled :

Tot Ion:105 Resp: 912826

Ion Ratio Lower Upper

105 100

134 20.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

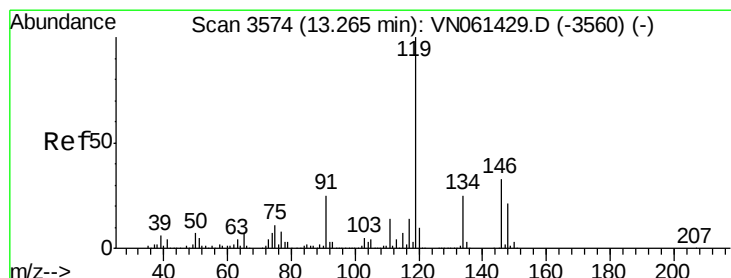
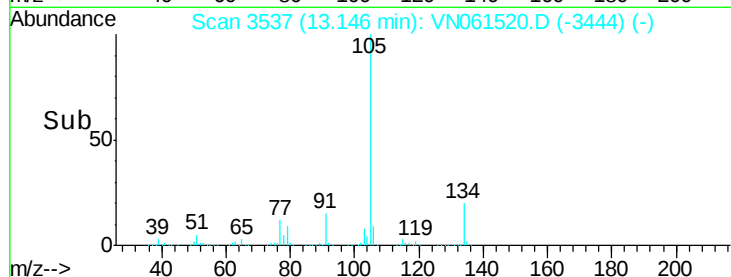
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.083 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

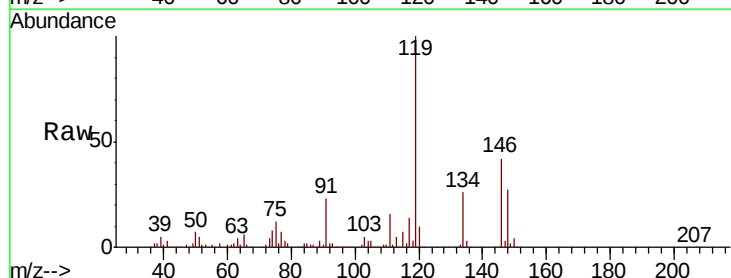
Tgt Ion:119 Resp: 843080

Ion Ratio Lower Upper

119 100

134 26.5 12.7 38.1

91 23.2 12.6 37.6



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

13.26

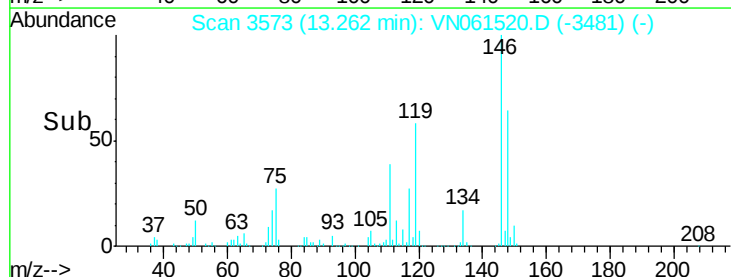
600000

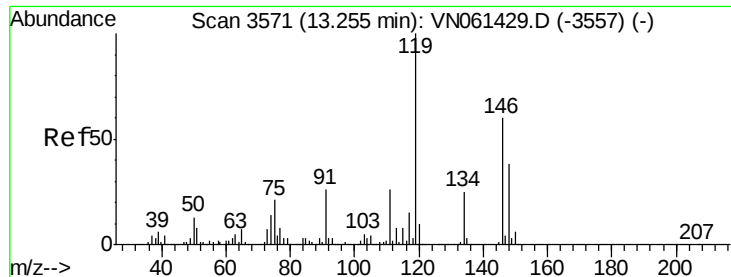
400000

200000

0

Time-->

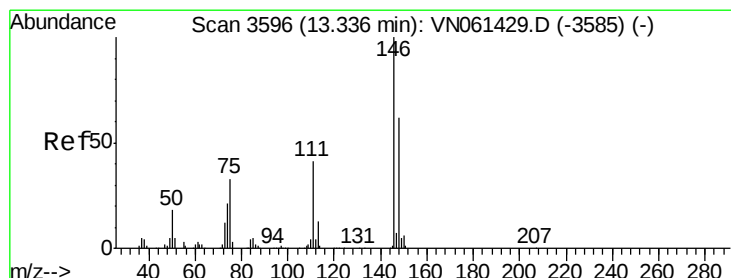
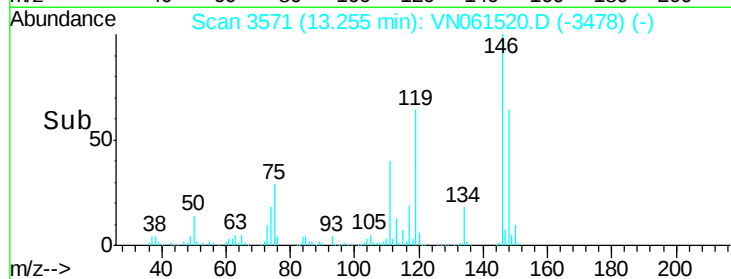
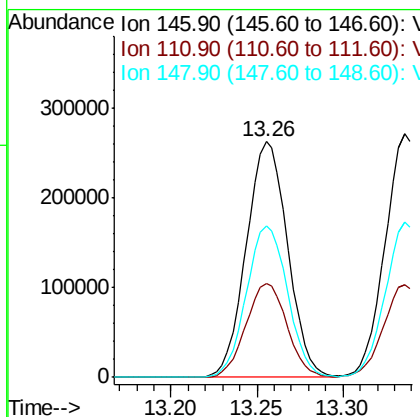
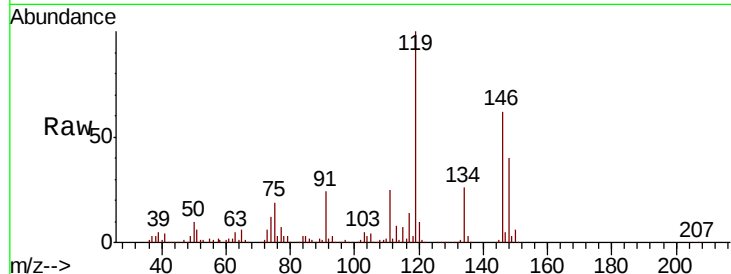




#87
 1,3-Dichlorobenzene
 Concen: 51.928 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VN061520.D
 Acq: 21 May 2020 10:02

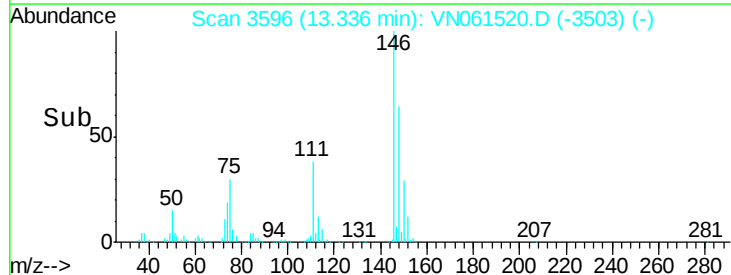
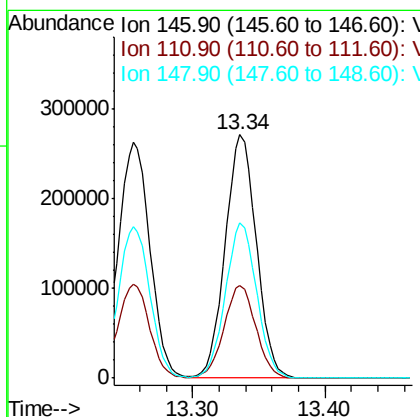
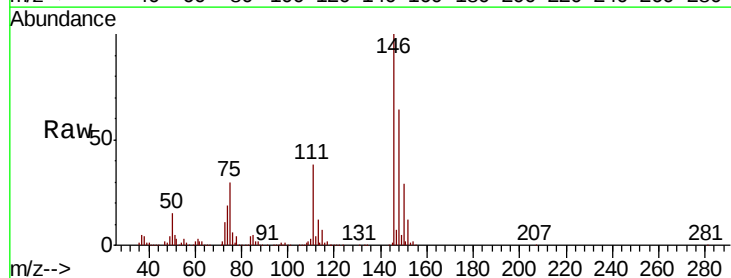
Instrument :
 MSVOA_N
 ClientSampled :

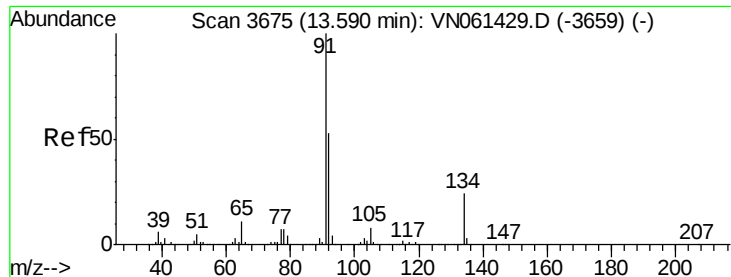
Tot Ion:146 Resp: 438532
 Ion Ratio Lower Upper
 146 100
 111 39.4 21.5 64.5
 148 64.1 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 52.338 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VN061520.D
 Acq: 21 May 2020 10:02

Tgt Ion:146 Resp: 442649
 Ion Ratio Lower Upper
 146 100
 111 38.8 20.8 62.5
 148 64.2 31.6 94.8

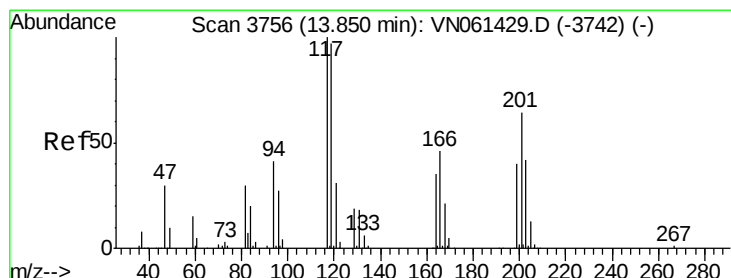
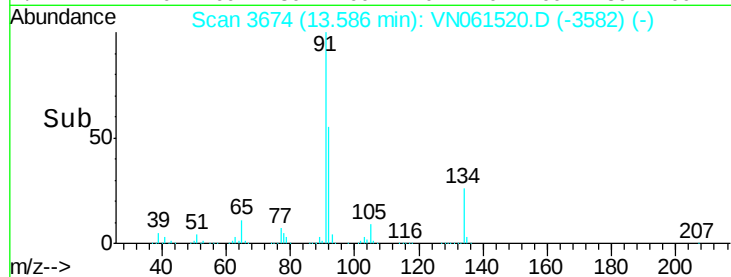
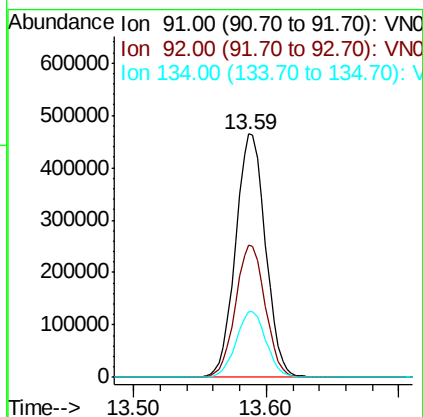
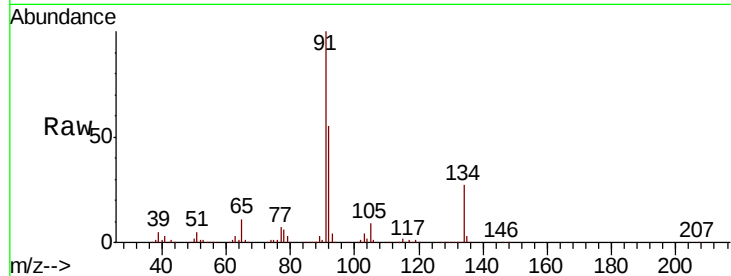




#89
n-Butylbenzene
Concen: 44.701 ug/l
RT: 13.59 min Scan# 3674
Delta R.T. -0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

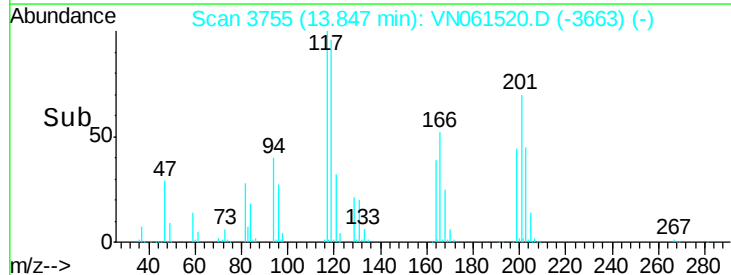
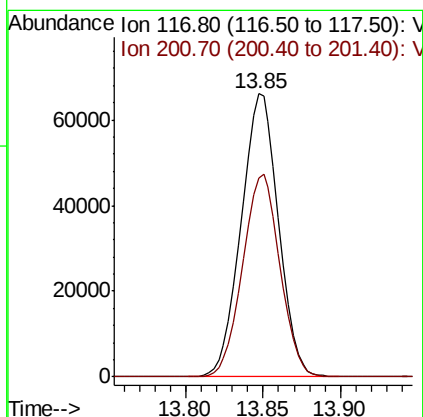
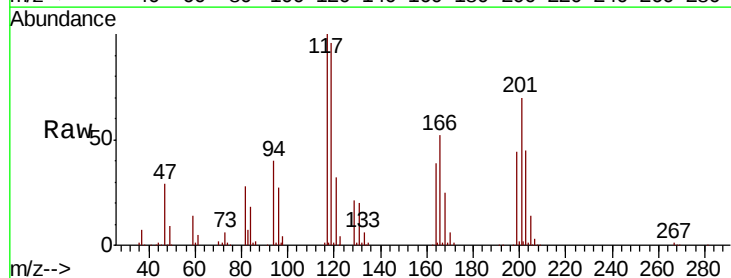
Instrument :
MSVOA_N
ClientSampleId :

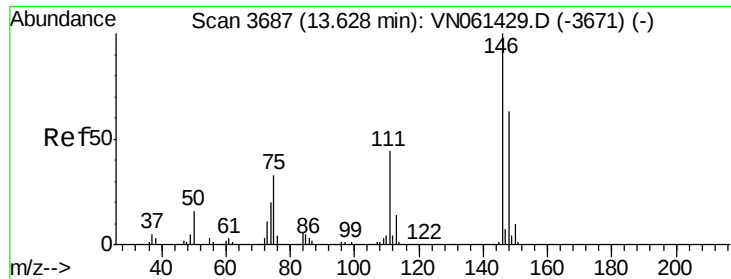
Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.8	80.3
134	27.0	12.4	37.4



#90
Hexachloroethane
Concen: 45.689 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061520.D
Acq: 21 May 2020 10:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.6	32.9	98.7





#91

1,2-Dichlorobenzene

Concen: 51.323 ug/l

RT: 13.63 min Scan# 3686

Delta R.T. -0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

ClientSampleId :

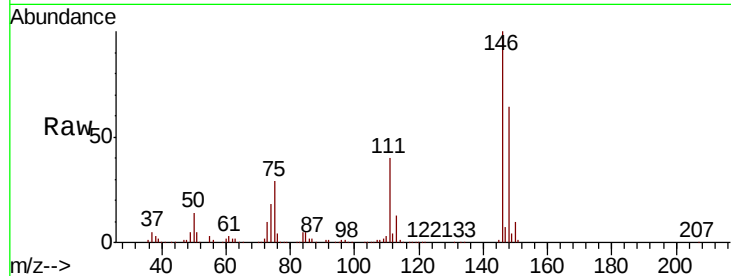
Tot Ion:146 Resp: 415763

Ion Ratio Lower Upper

146 100

111 40.7 21.9 65.7

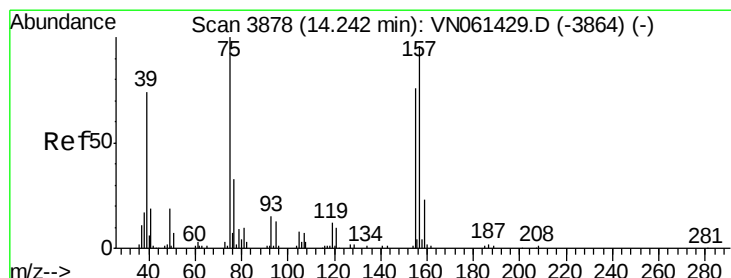
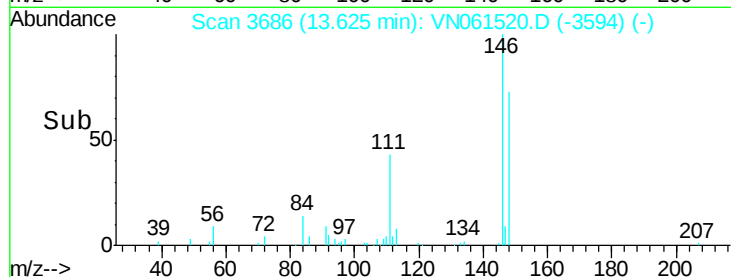
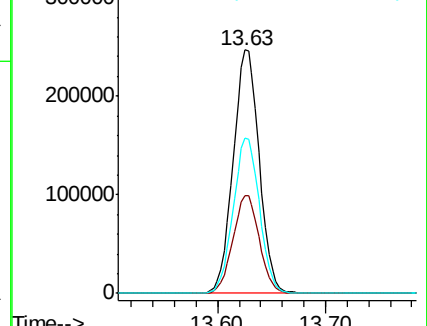
148 64.4 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 40.537 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

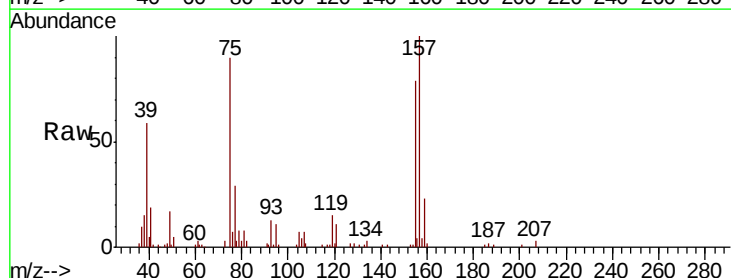
Tgt Ion: 75 Resp: 47902

Ion Ratio Lower Upper

75 100

155 89.0 38.9 116.7

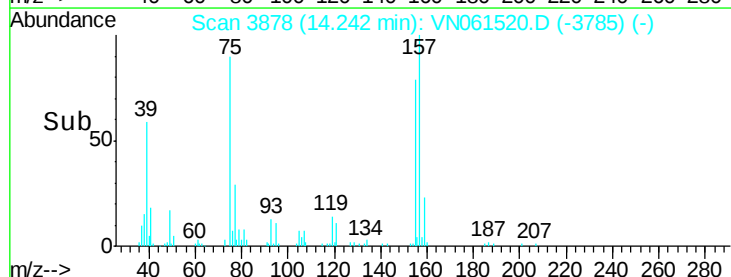
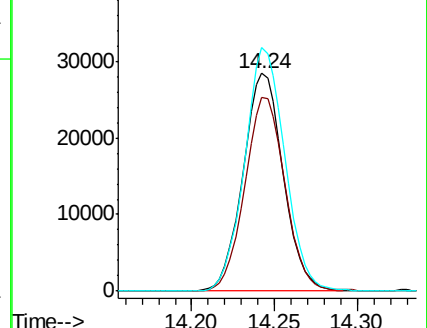
157 111.8 48.6 145.8



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

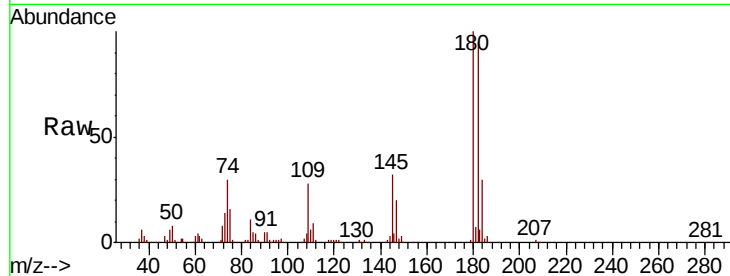




#93
 1,2,4-Trichlorobenzene
 Concen: 53.476 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061520.D
 Acq: 21 May 2020 10:02

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.0	141.0
145	32.1	16.7	50.0

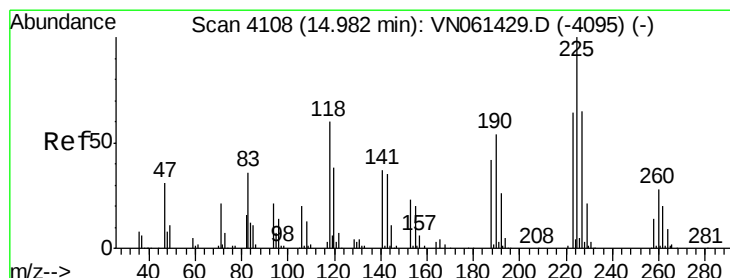
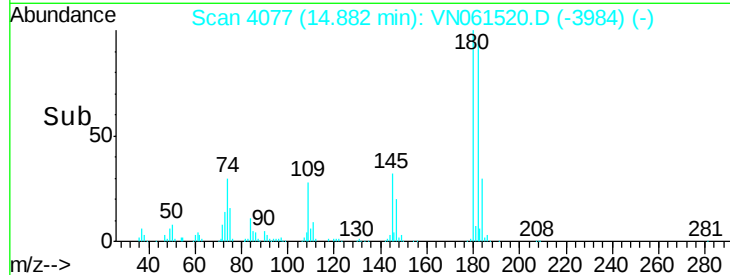
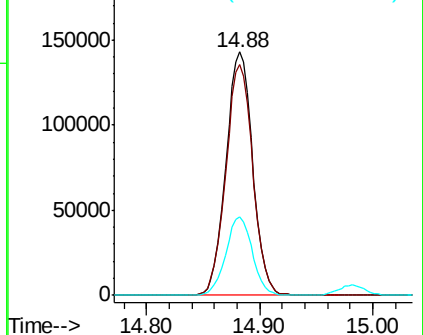


Abundance

Ion 179.80 (179.50 to 180.50): V

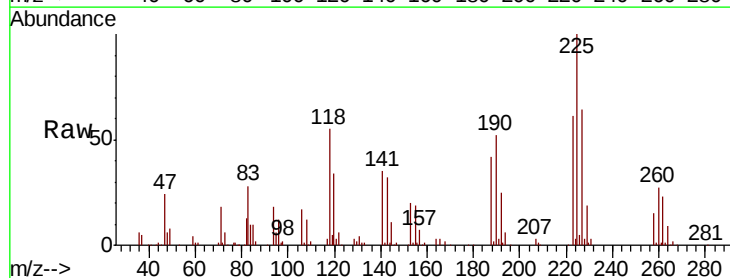
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 46.527 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN061520.D
 Acq: 21 May 2020 10:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.9	95.7
227	63.3	31.5	94.5

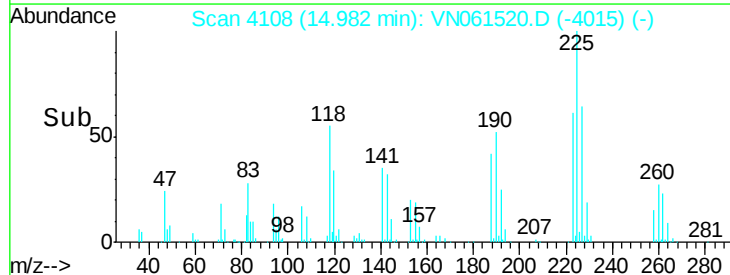
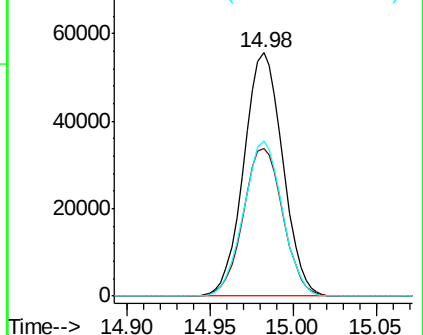


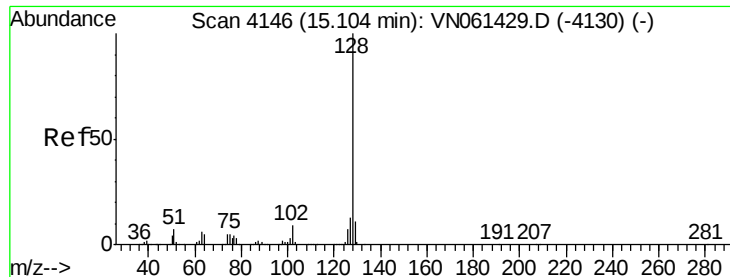
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.947 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

Instrument :

MSVOA_N

ClientSampleId :

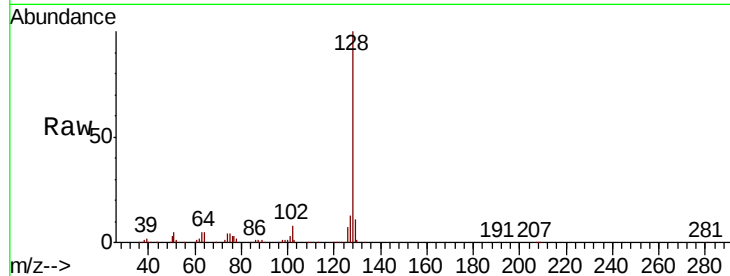
Tot Ion:128 Resp: 697464

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

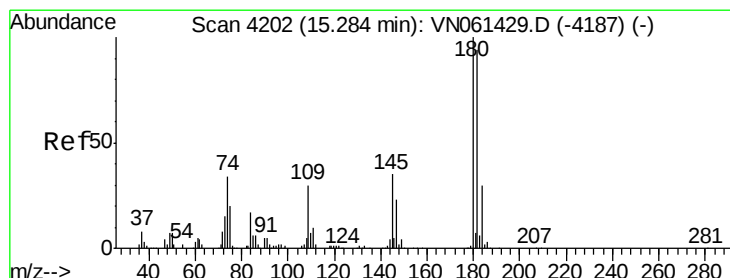
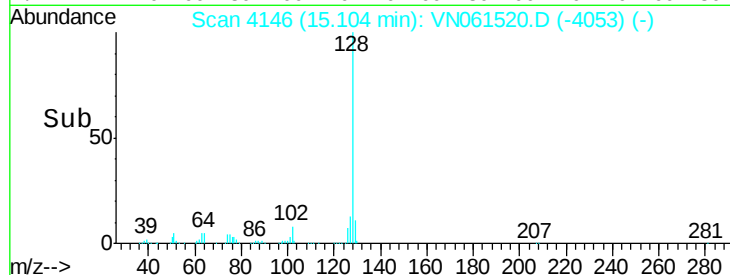
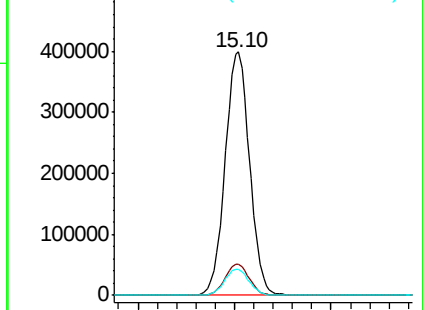
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.724 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061520.D

Acq: 21 May 2020 10:02

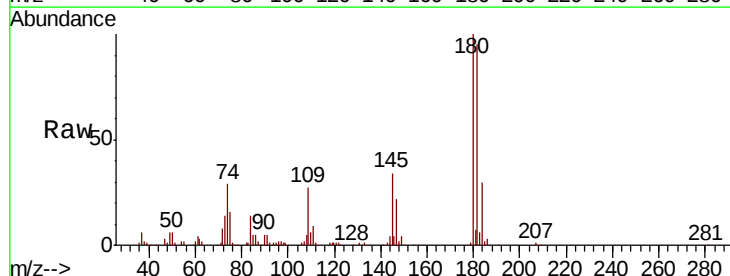
Tgt Ion:180 Resp: 226173

Ion Ratio Lower Upper

180 100

182 93.4 47.8 143.3

145 33.7 17.3 51.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

