

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051920\
 Data File : VN061475.D
 Acq On : 19 May 2020 11:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: May 20 02:46:26 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	302080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	534394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	511194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	251471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	213569	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
35) Dibromofluoromethane	7.54	113	141230	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.06	98	672022	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.37	95	259981	53.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	126591	50.399	ug/l	100
3) Chloromethane	2.03	50	186501	45.523	ug/l	100
4) Vinyl Chloride	2.16	62	281650	48.036	ug/l	100
5) Bromomethane	2.53	94	156495	53.023	ug/l	97
6) Chloroethane	2.67	64	184078	46.645	ug/l	99
7) Trichlorofluoromethane	2.98	101	359996	50.573	ug/l	100
8) Diethyl Ether	3.37	74	97613	47.079	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	148381	50.126	ug/l	99
10) Methyl Iodide	3.91	142	175288	48.754	ug/l	100
11) Tert butyl alcohol	4.73	59	132974	255.980	ug/l	99
12) 1,1-Dichloroethene	3.69	96	149059	48.139	ug/l	95
13) Acrolein	3.56	56	81889	218.517	ug/l	99
14) Allyl chloride	4.27	41	216711	43.005	ug/l	91
15) Acrylonitrile	4.92	53	362948	235.830	ug/l	100
16) Acetone	3.77	43	344893	301.379	ug/l	99
17) Carbon Disulfide	4.01	76	333947	50.281	ug/l	100
18) Methyl Acetate	4.27	43	144981	46.824	ug/l	98
19) Methyl tert-butyl Ether	4.98	73	562160	47.842	ug/l	98
20) Methylene Chloride	4.50	84	176288	47.578	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	177789	49.794	ug/l	99
22) Diisopropyl ether	5.90	45	541931	47.858	ug/l	97
23) Vinyl Acetate	5.84	43	2165173	240.448	ug/l	98
24) 1,1-Dichloroethane	5.79	63	323112	48.921	ug/l	99
25) 2-Butanone	6.78	43	498865	243.027	ug/l	96
26) 2,2-Dichloropropane	6.77	77	314445	49.941	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	217809	51.643	ug/l	95
28) Bromochloromethane	7.15	49	139135	49.629	ug/l	93
29) Tetrahydrofuran	7.16	42	309952	227.997	ug/l	95
30) Chloroform	7.33	83	356237	51.640	ug/l	100
31) Cyclohexane	7.61	56	280598	48.159	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	323966	51.392	ug/l	98
36) 1,1-Dichloropropene	7.75	75	262899	52.613	ug/l	99
37) Ethyl Acetate	6.88	43	207080	45.697	ug/l	100
38) Carbon Tetrachloride	7.73	117	254428	55.297	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	293176	48.037	ug/l	97
40) Benzene	8.00	78	789847	52.452	ug/l	99
41) Methacrylonitrile	7.12	41	90647	47.361	ug/l #	87
42) 1,2-Dichloroethane	8.08	62	277476	51.145	ug/l	99
43) Isopropyl Acetate	8.12	43	382603	48.409	ug/l	99
44) Trichloroethene	8.80	130	220970	56.003	ug/l	99
45) 1,2-Dichloropropane	9.08	63	196945	52.252	ug/l	99
46) Dibromomethane	9.17	93	139756	52.892	ug/l	97
47) Bromodichloromethane	9.37	83	294522	52.904	ug/l	98
48) Methyl methacrylate	9.16	41	170950	46.821	ug/l	97
49) 1,4-Dioxane	9.16	88	47900	1257.001	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1070828	248.710	ug/l	99
52) Toluene	10.12	92	532767	55.108	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	327605	53.690	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	345049	53.196	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	199505	54.584	ug/l	98
56) Ethyl methacrylate	10.40	69	307296	53.778	ug/l	97
57) 1,3-Dichloropropane	10.68	76	337686	53.460	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	435405	173.593	ug/l	97
59) 2-Hexanone	10.72	43	800674	257.038	ug/l	99
60) Dibromochloromethane	10.87	129	225522	55.780	ug/l	99
61) 1,2-Dibromoethane	10.98	107	211378	55.003	ug/l	100
64) Tetrachloroethene	10.60	164	210795	53.301	ug/l	98
65) Chlorobenzene	11.40	112	561245	53.839	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	205387	54.958	ug/l	98
67) Ethyl Benzene	11.48	91	1040635	54.688	ug/l	97
68) m/p-Xylenes	11.59	106	806269	111.629	ug/l	98
69) o-Xylene	11.92	106	383524	54.871	ug/l	97
70) Styrene	11.94	104	662941	57.276	ug/l	98
71) Bromoform	12.10	173	145796	50.162	ug/l #	98
73) Isopropylbenzene	12.22	105	1000462	49.557	ug/l	99
74) N-amyl acetate	12.04	43	346088	46.835	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	268580	48.356	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	365067	67.656	ug/l #	100
77) Bromobenzene	12.50	156	232168	52.991	ug/l	93
78) n-propylbenzene	12.56	91	1149226	49.962	ug/l	98
79) 2-Chlorotoluene	12.65	91	678171	49.880	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	836696	50.618	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	100982	49.645	ug/l	97
82) 4-Chlorotoluene	12.75	91	727234	51.657	ug/l	99
83) tert-Butylbenzene	12.97	119	678808	47.942	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	853188	51.575	ug/l	99
85) sec-Butylbenzene	13.15	105	908562	47.455	ug/l	100
86) p-Isopropyltoluene	13.26	119	839462	49.377	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	432632	53.956	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	438697	54.632	ug/l	99
89) n-Butylbenzene	13.59	91	731580	47.365	ug/l	99
90) Hexachloroethane	13.85	117	109697	47.609	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	407566	52.990	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	54257	48.359	ug/l	96

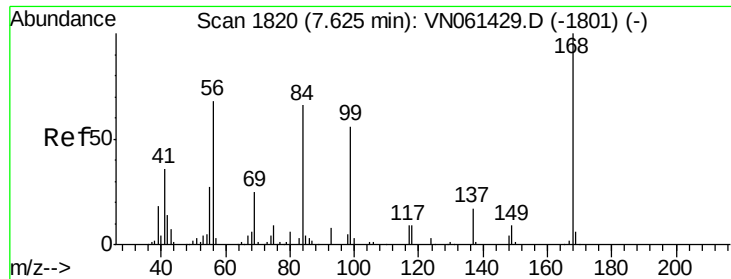
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	220257	52.814	ug/l	99
94) Hexachlorobutadiene	14.98	225	78022	42.105	ug/l	99
95) Naphthalene	15.10	128	711931	53.697	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	205569	49.515	ug/l	99

(#) = 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: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

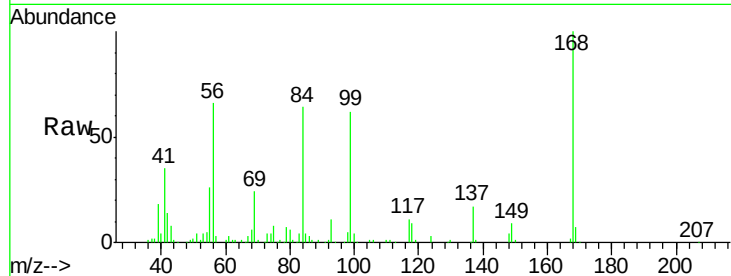
VSTDCCC050

Tot Ion:168 Resp: 302080

Ion Ratio Lower Upper

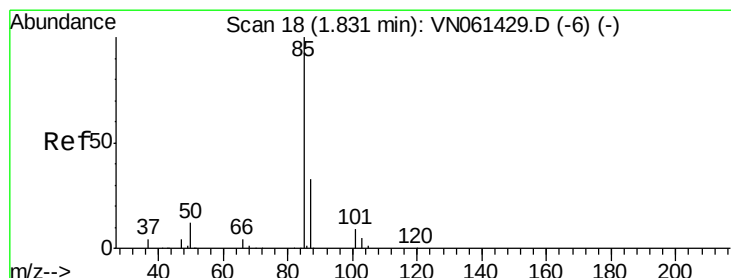
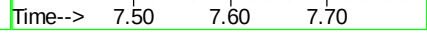
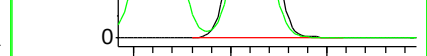
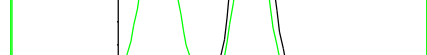
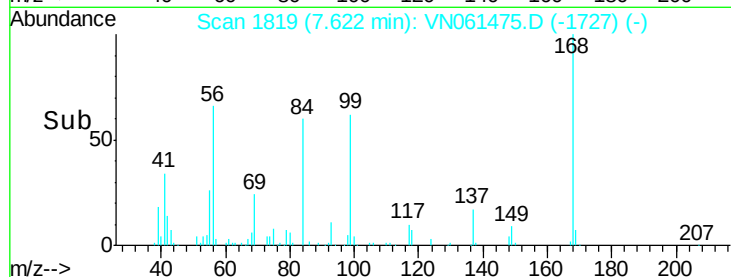
168 100

99 61.6 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 50.399 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061475.D

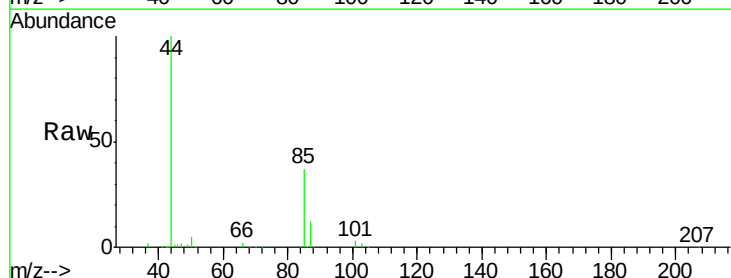
Acq: 19 May 2020 11:28

Tgt Ion: 85 Resp: 126591

Ion Ratio Lower Upper

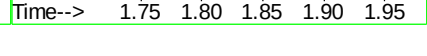
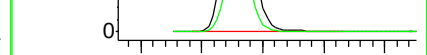
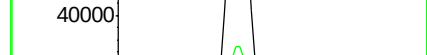
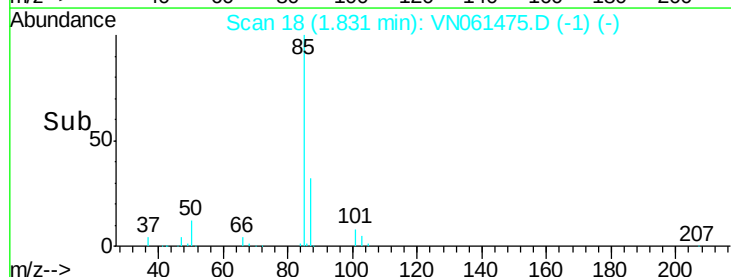
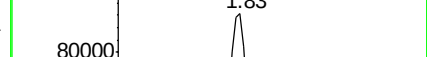
85 100

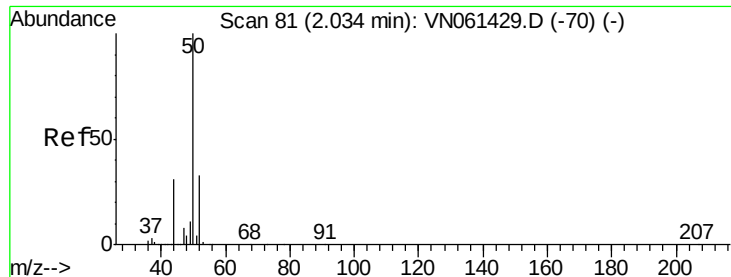
87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 45.523 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

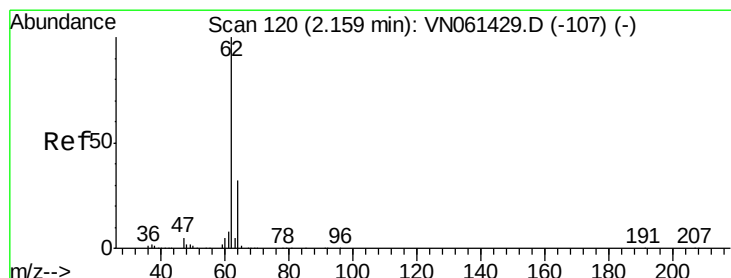
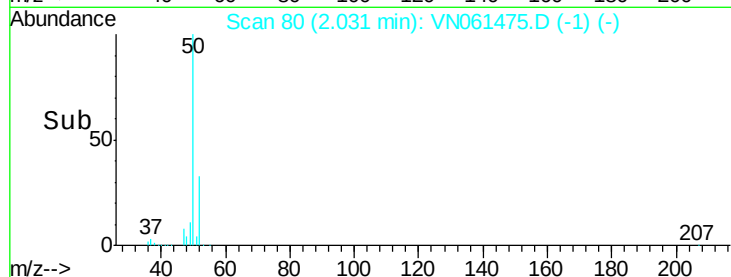
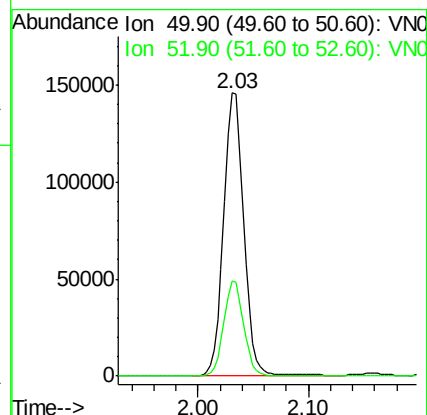
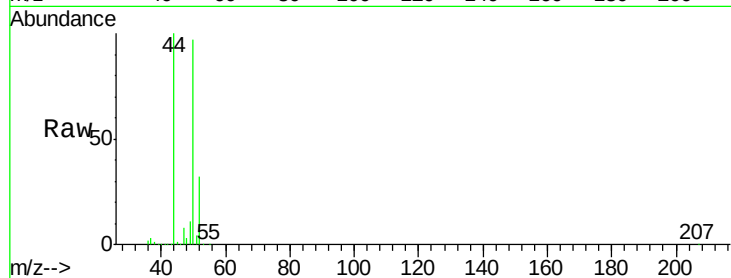
VSTDCCC050

Tot Ion: 50 Resp: 186501

Ion Ratio Lower Upper

50 100

52 33.4 26.7 40.1



#4

Vinyl Chloride

Concen: 48.036 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061475.D

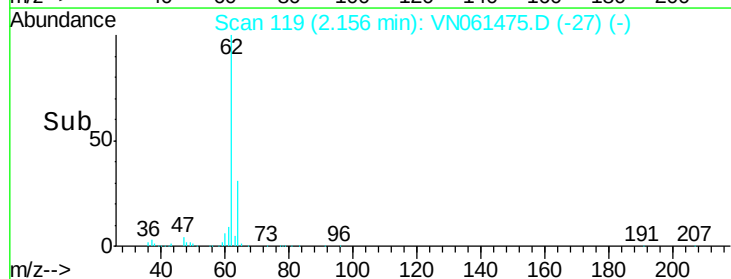
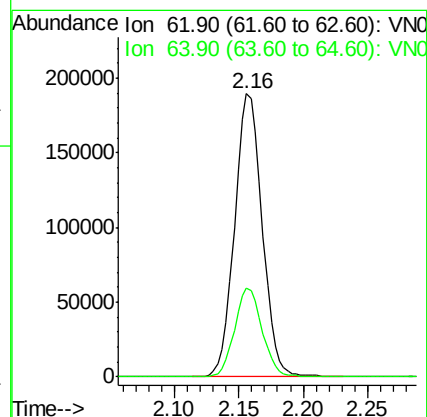
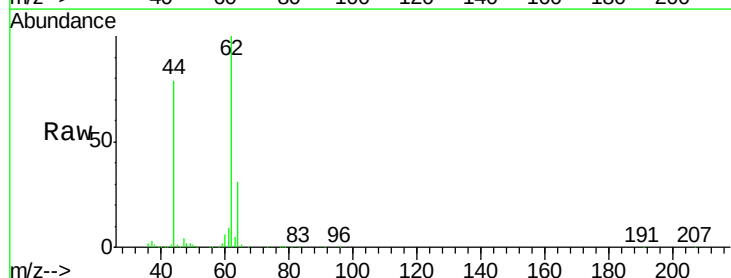
Acq: 19 May 2020 11:28

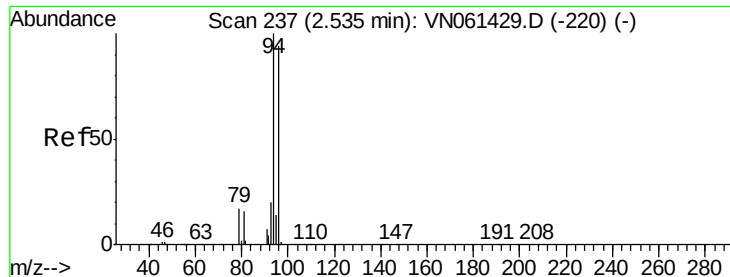
Tgt Ion: 62 Resp: 281650

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 53.023 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

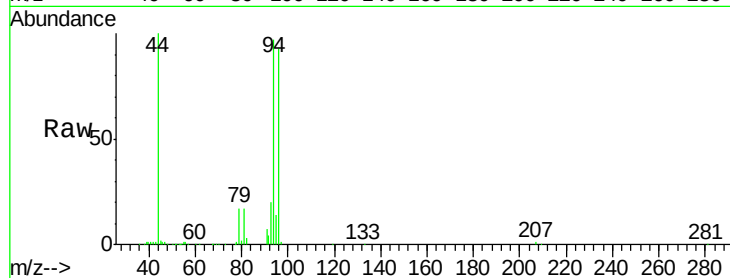
VSTDCCC050

Tot Ion: 94 Resp: 156495

Ion Ratio Lower Upper

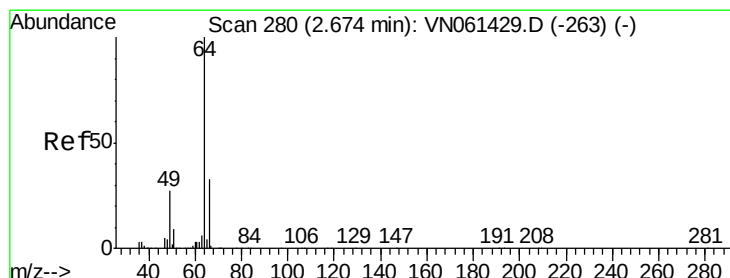
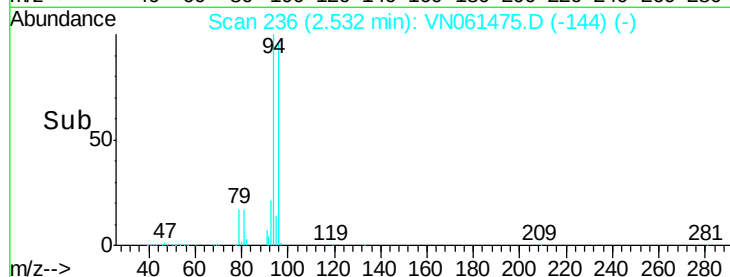
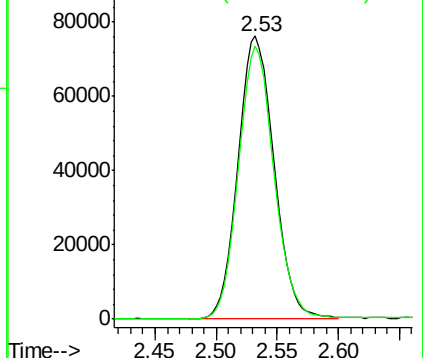
94 100

96 96.0 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.645 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061475.D

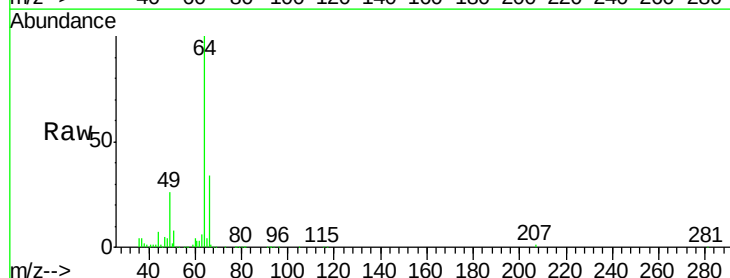
Acq: 19 May 2020 11:28

Tgt Ion: 64 Resp: 184078

Ion Ratio Lower Upper

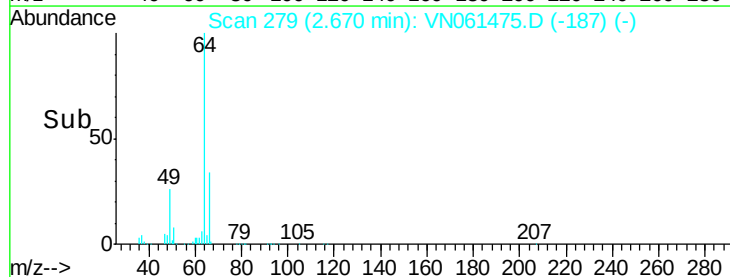
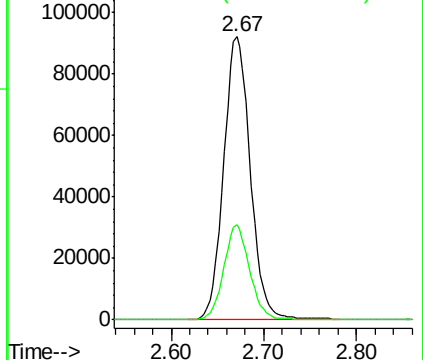
64 100

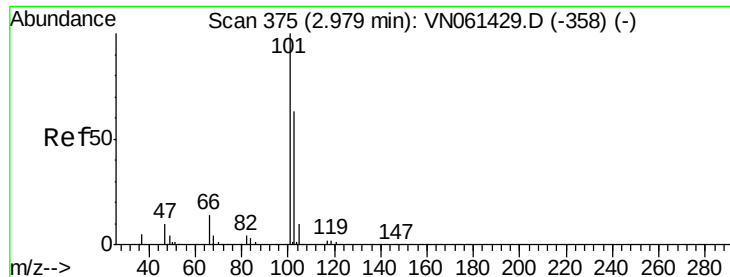
66 33.4 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



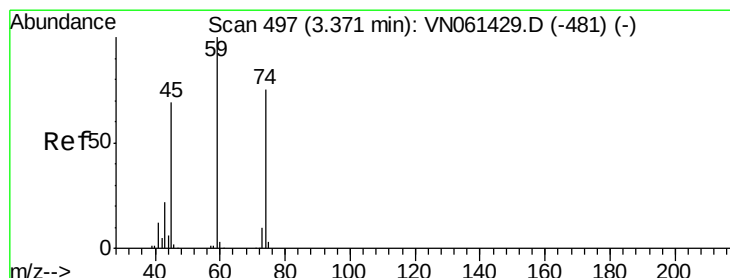
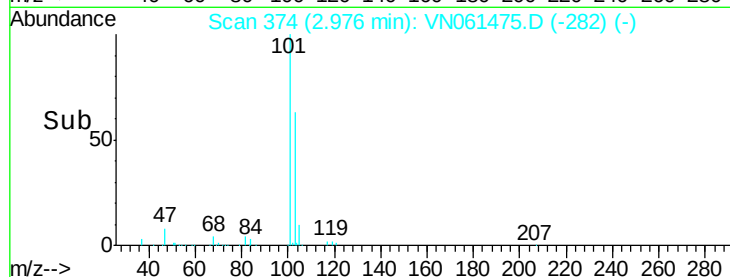
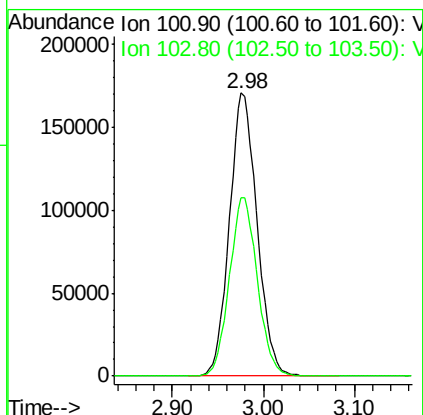
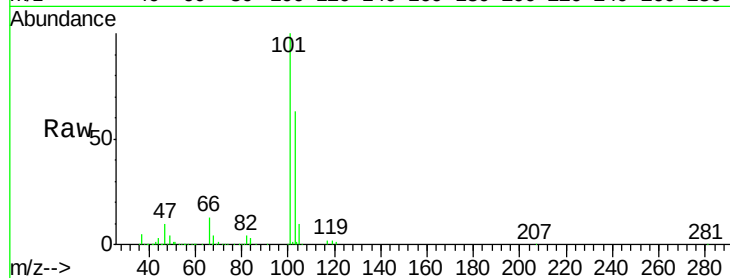


#7

Trichlorofluoromethane
Concen: 50.573 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

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ClientSampleId :
VSTDCCC050

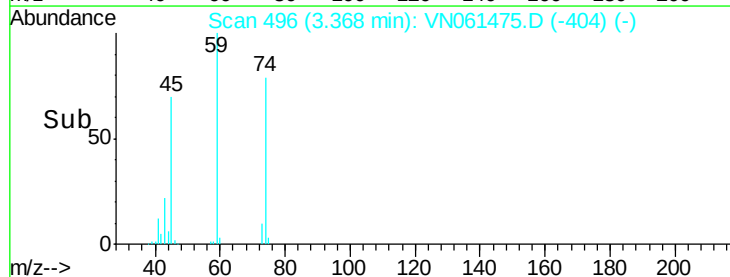
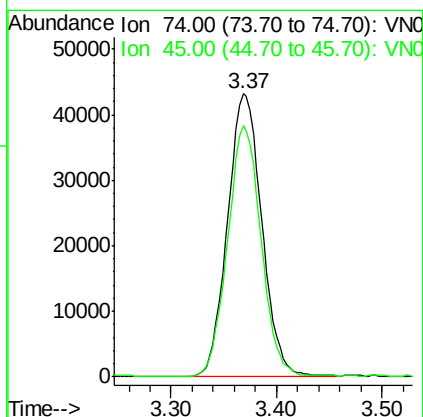
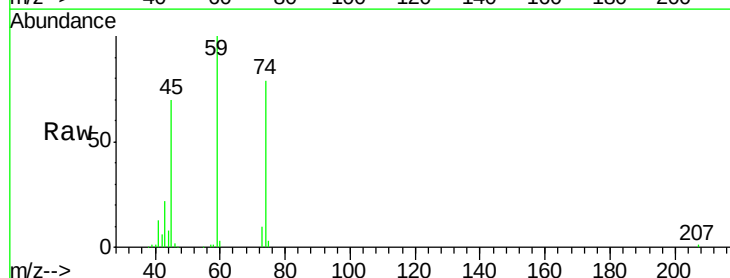
Tot Ion:101 Resp: 359996
Ion Ratio Lower Upper
101 100
103 63.1 50.2 75.4

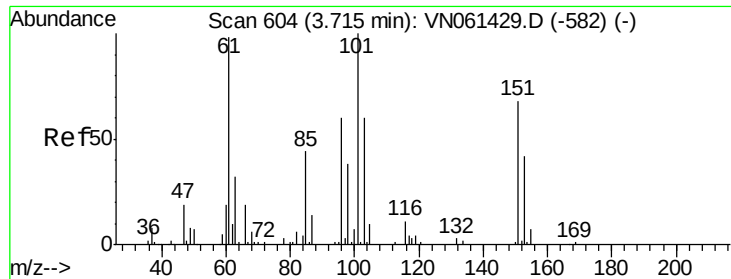


#8

Diethyl Ether
Concen: 47.079 ug/l
RT: 3.37 min Scan# 496
Delta R.T. -0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

Tgt Ion: 74 Resp: 97613
Ion Ratio Lower Upper
74 100
45 86.6 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.126 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

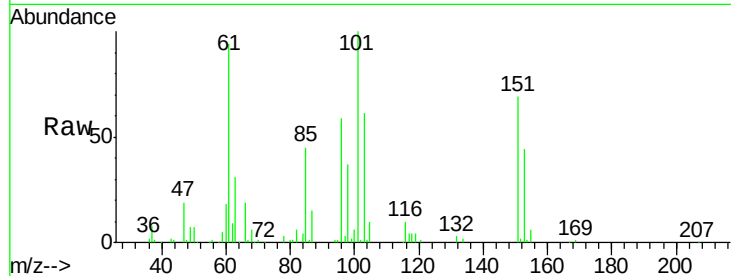
Tot Ion:101 Resp: 148381

Ion Ratio Lower Upper

101 100

85 46.1 36.6 55.0

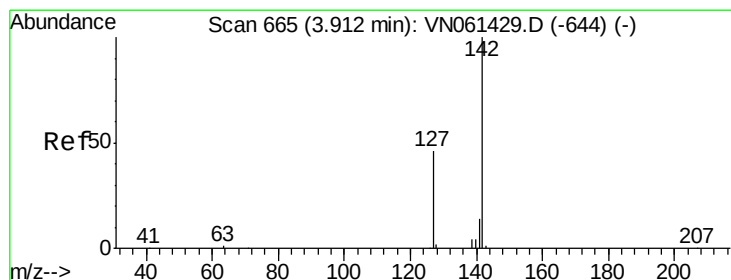
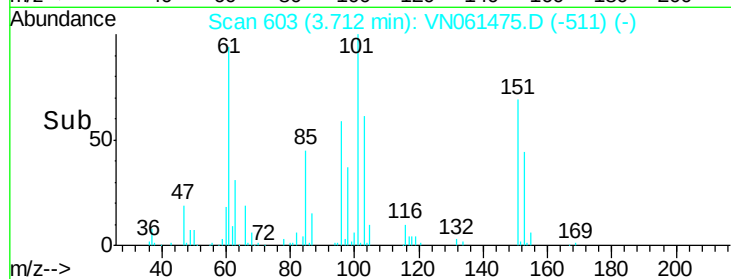
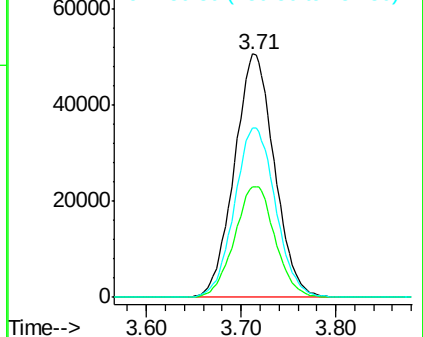
151 71.5 56.3 84.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.754 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

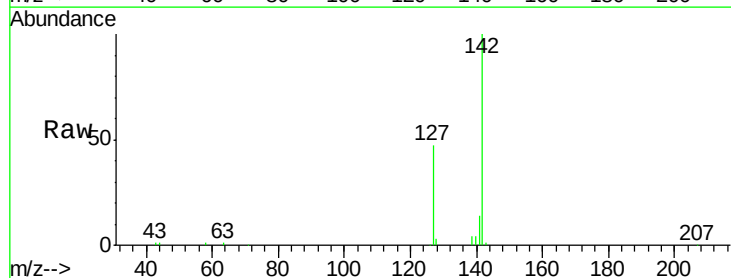
Tgt Ion:142 Resp: 175288

Ion Ratio Lower Upper

142 100

127 45.8 36.7 55.1

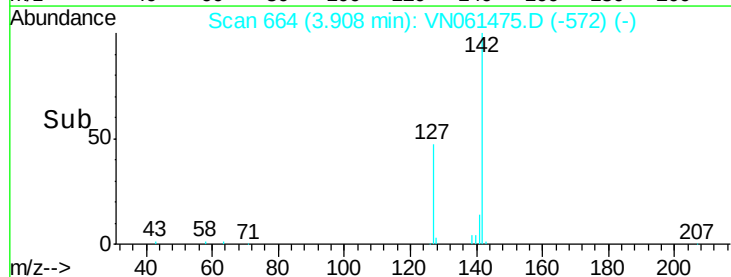
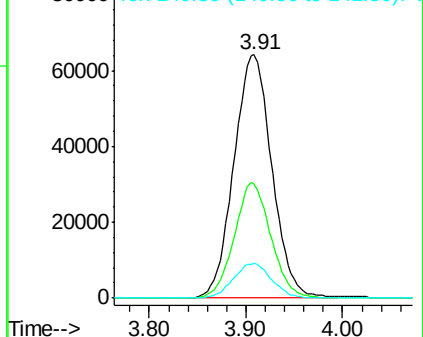
141 14.3 11.5 17.3

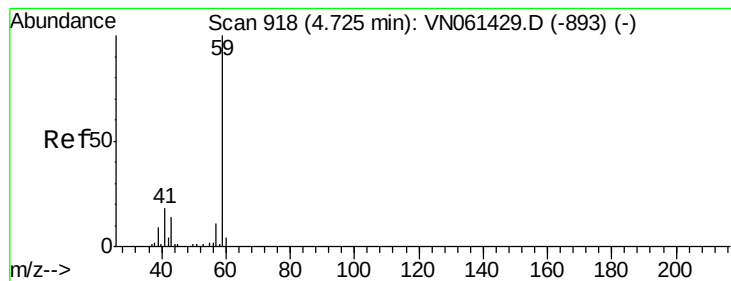


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



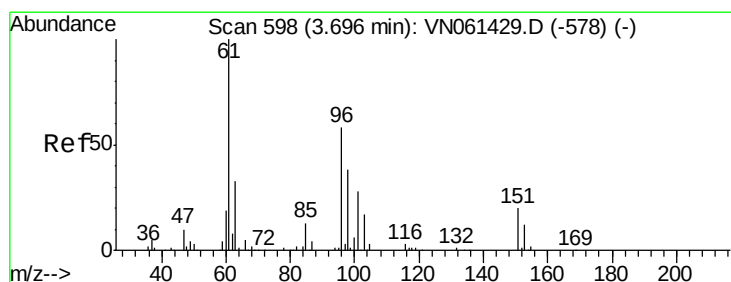
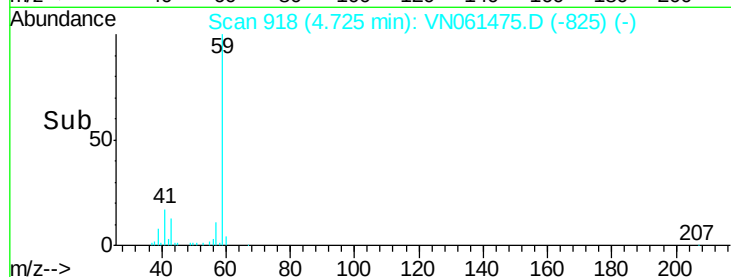
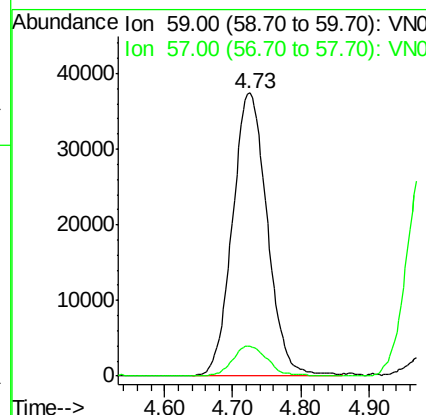
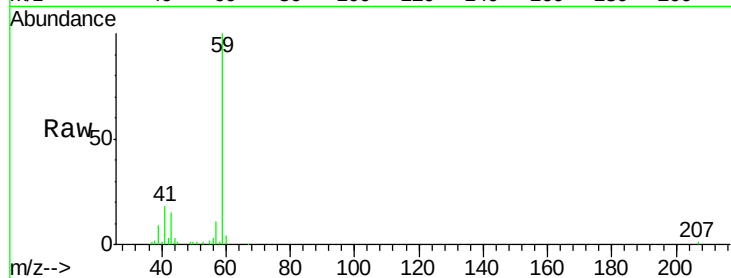


#11

Tert butyl alcohol
Concen: 255.980 ug/l
RT: 4.73 min Scan# 918
Delta R.T. 0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

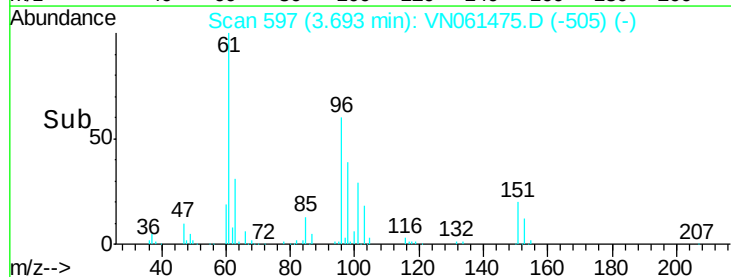
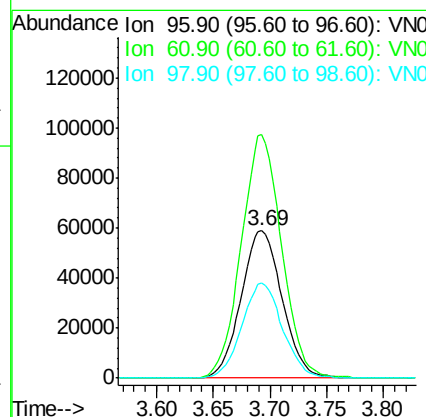
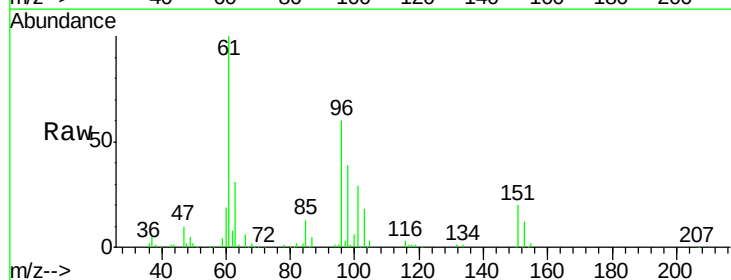
Tot Ion: 59 Resp: 132974
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2

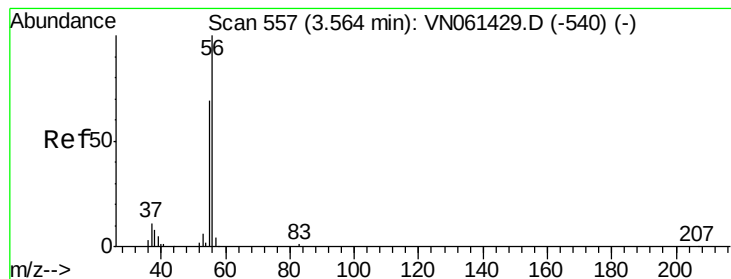


#12

1,1-Dichloroethene
Concen: 48.139 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

Tgt Ion: 96 Resp: 149059
Ion Ratio Lower Upper
96 100
61 165.5 138.7 208.1
98 64.9 53.0 79.6





#13

Acrolein

Concen: 218.517 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

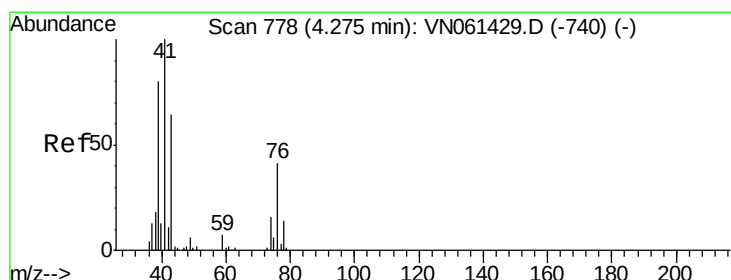
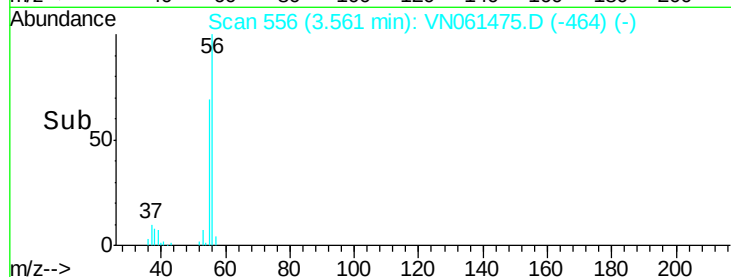
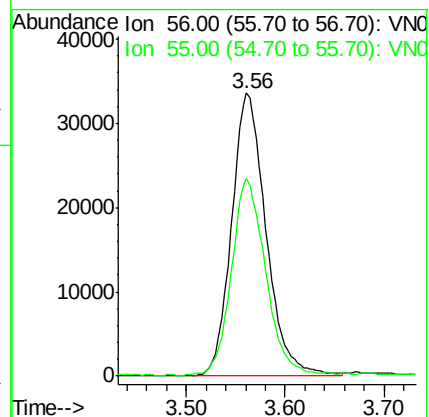
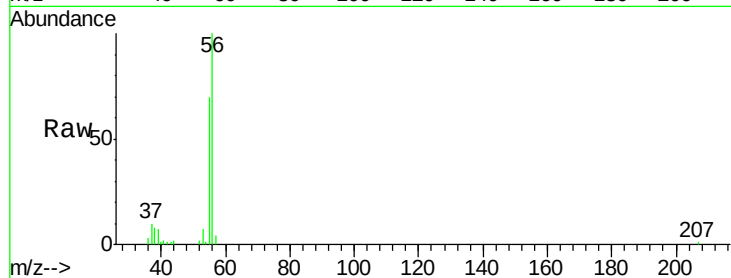
VSTDCCC050

Tot Ion: 56 Resp: 81889

Ion Ratio Lower Upper

56 100

55 69.7 54.8 82.2



#14

Allyl chloride

Concen: 43.005 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

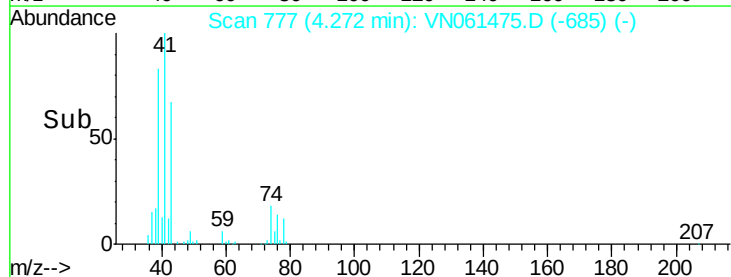
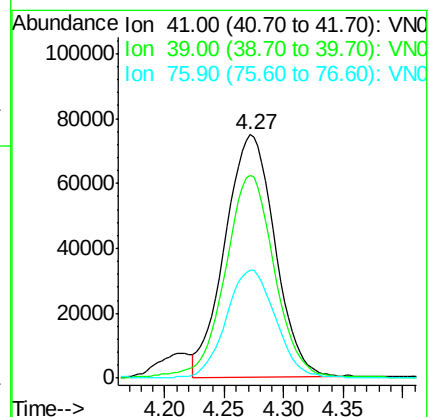
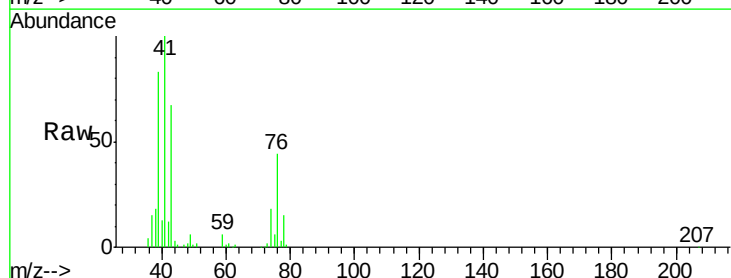
Tgt Ion: 41 Resp: 216711

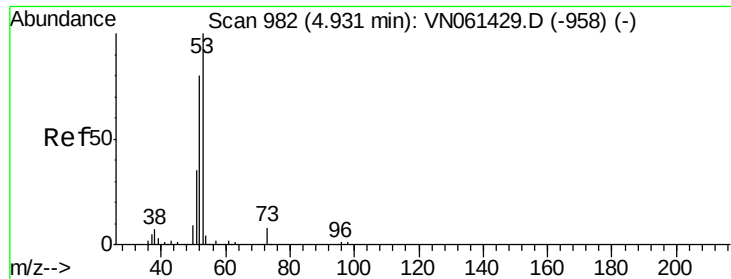
Ion Ratio Lower Upper

41 100

39 83.6 61.2 91.8

76 44.5 29.9 44.9





#15

Acrylonitrile

Concen: 235.830 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.01 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

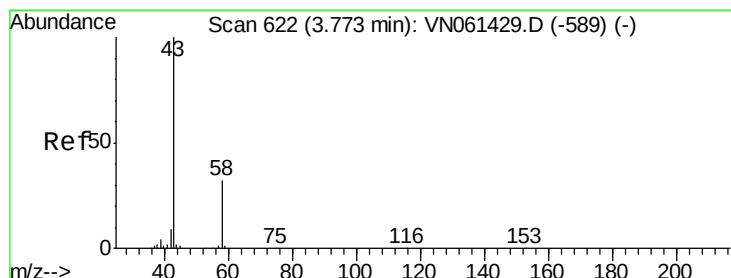
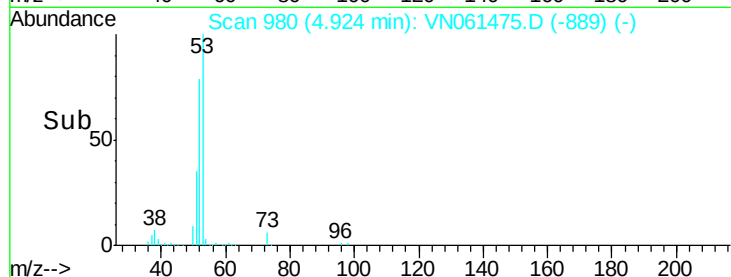
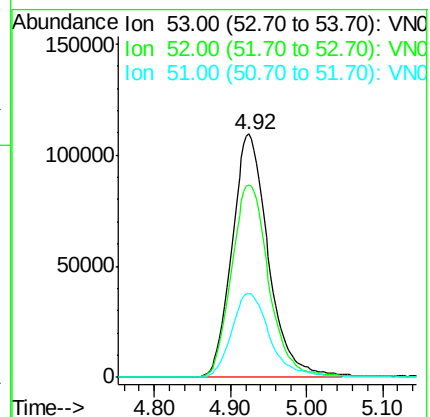
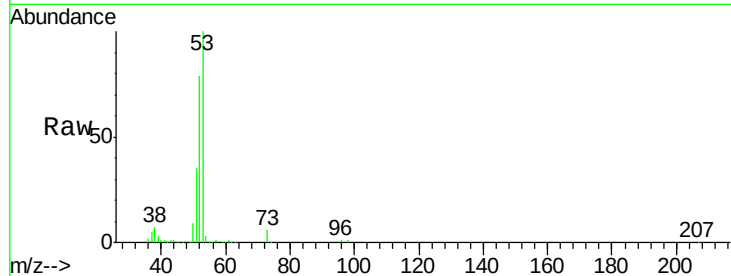
Tot Ion: 53 Resp: 362948

Ion Ratio Lower Upper

53 100

52 81.2 64.7 97.1

51 36.6 29.5 44.3



#16

Acetone

Concen: 301.379 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061475.D

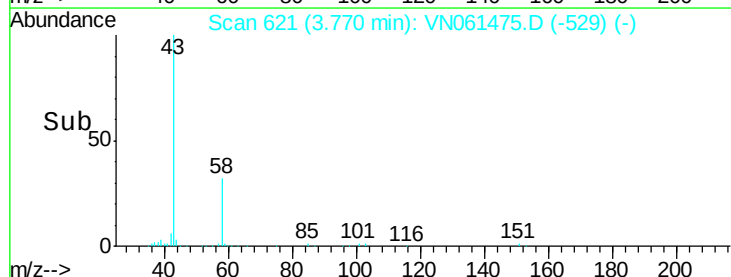
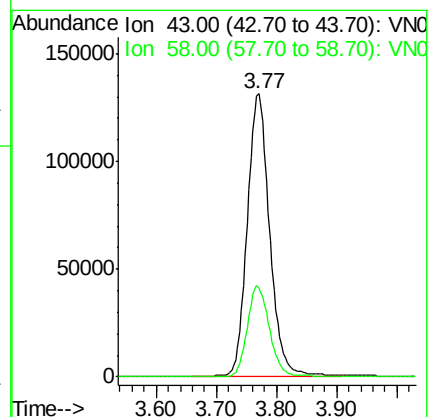
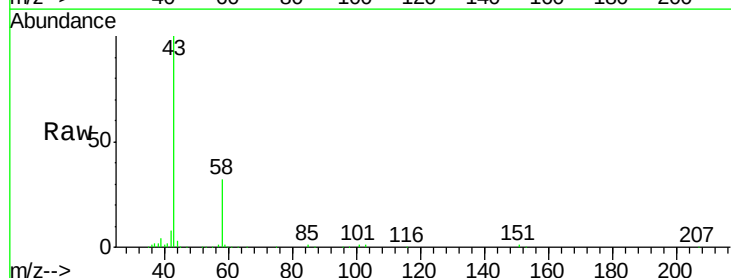
Acq: 19 May 2020 11:28

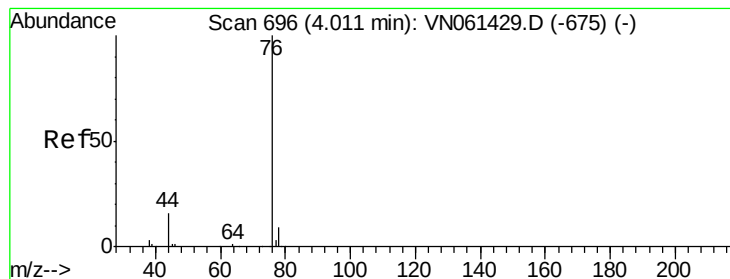
Tgt Ion: 43 Resp: 344893

Ion Ratio Lower Upper

43 100

58 31.6 25.6 38.4





#17

Carbon Disulfide

Concen: 50.281 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

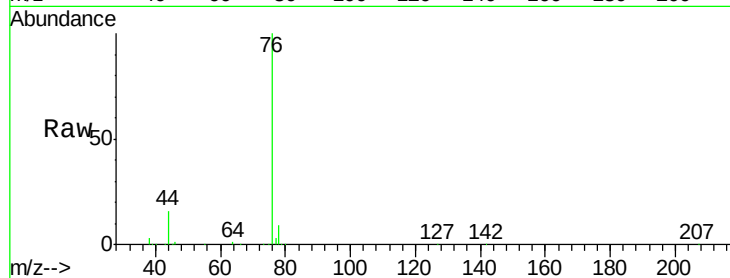
VSTDCCC050

Tot Ion: 76 Resp: 333947

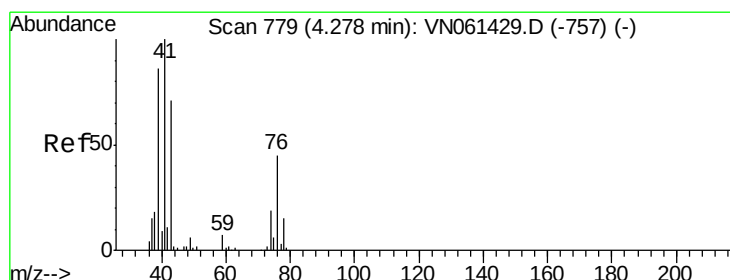
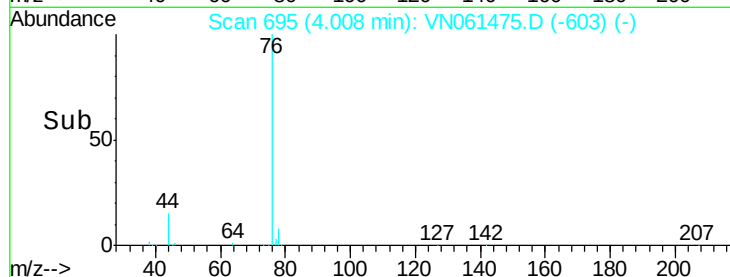
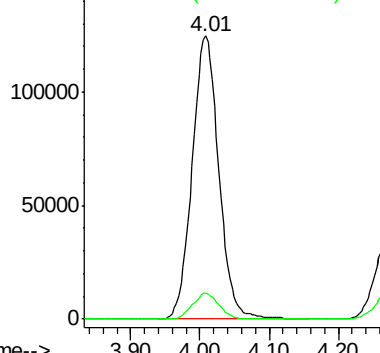
Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 46.824 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.01 min

Lab File: VN061475.D

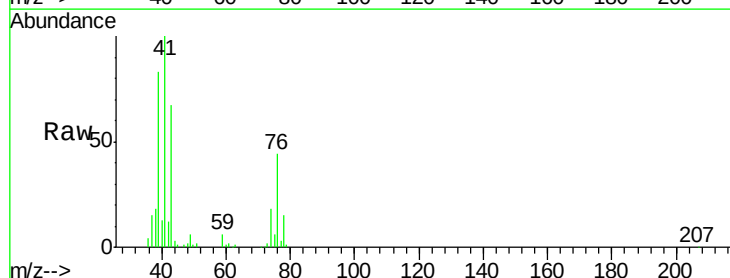
Acq: 19 May 2020 11:28

Tgt Ion: 43 Resp: 144981

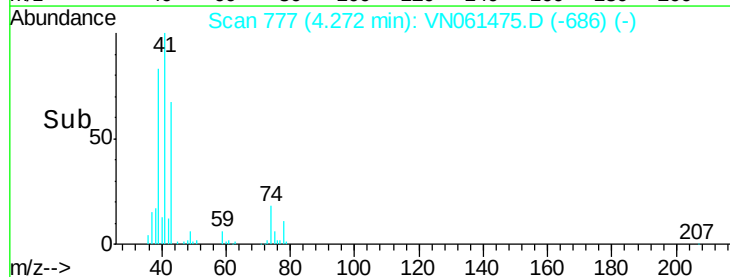
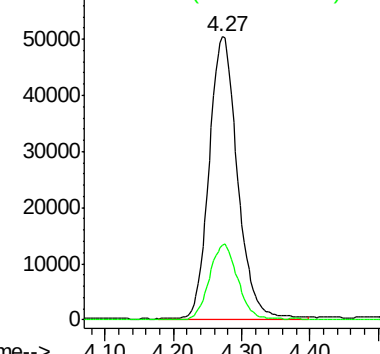
Ion Ratio Lower Upper

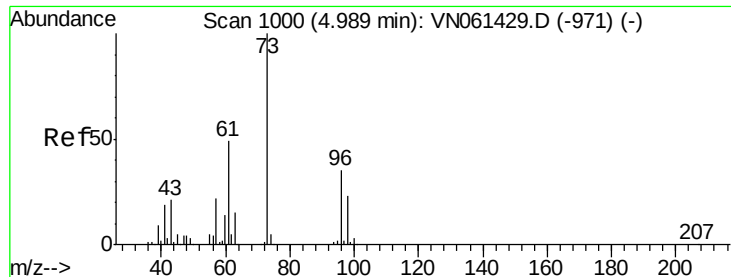
43 100

74 26.8 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

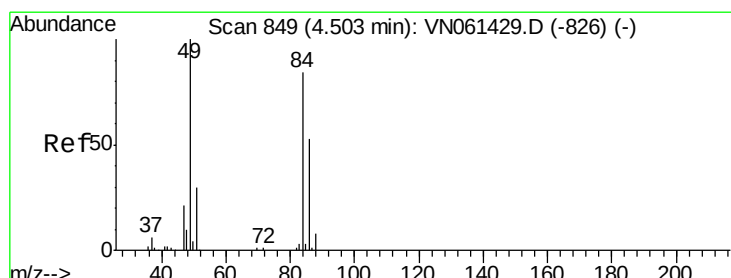
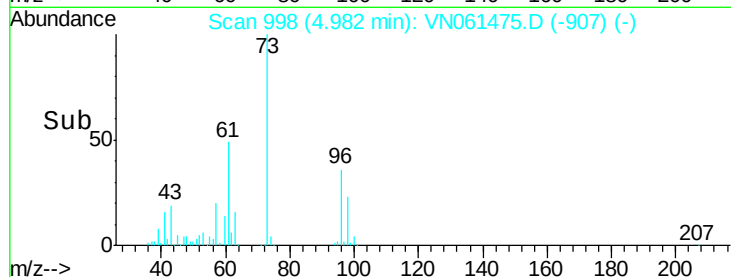
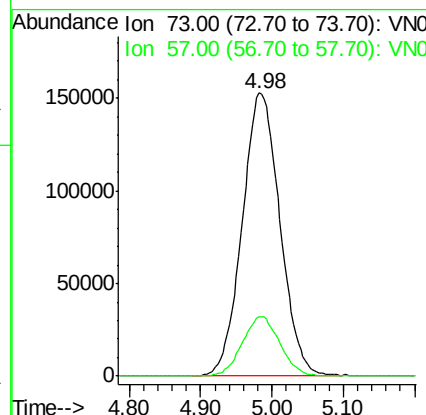
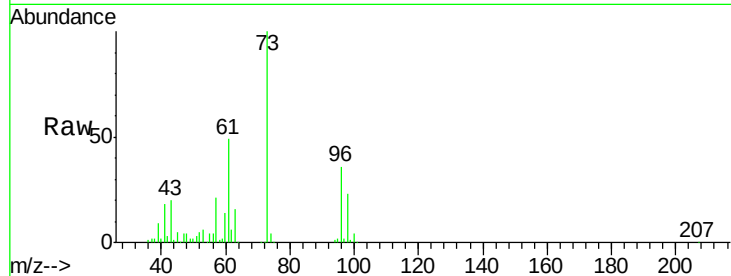




#19
Methyl tert-butyl Ether
Concen: 47.842 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

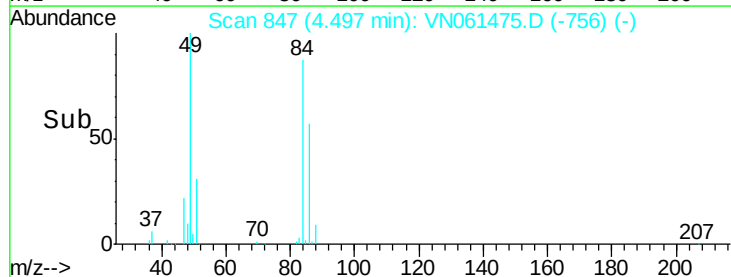
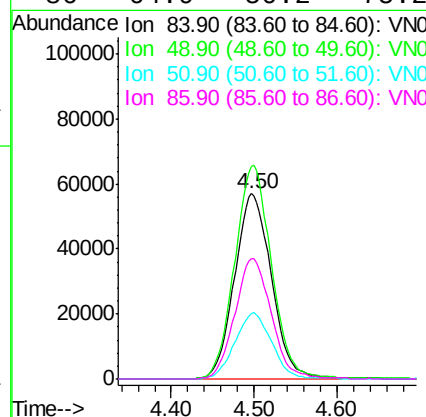
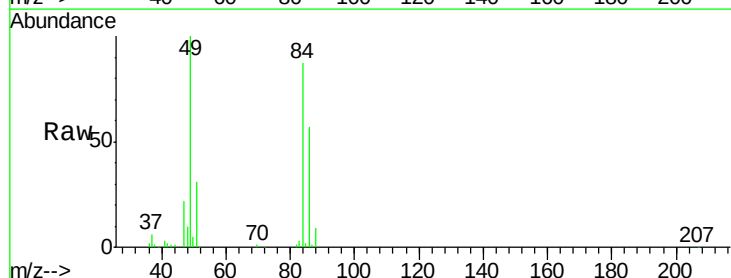
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

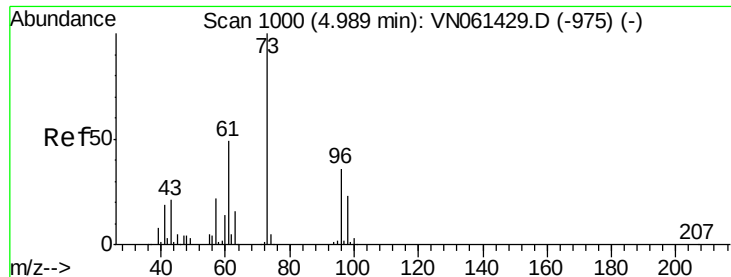
Tot Ion: 73 Resp: 562160
Ion Ratio Lower Upper
73 100
57 20.9 17.4 26.0



#20
Methylene Chloride
Concen: 47.578 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

Tgt Ion: 84 Resp: 176288
Ion Ratio Lower Upper
84 100
49 114.4 95.3 142.9
51 35.5 29.0 43.6
86 64.9 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 49.794 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

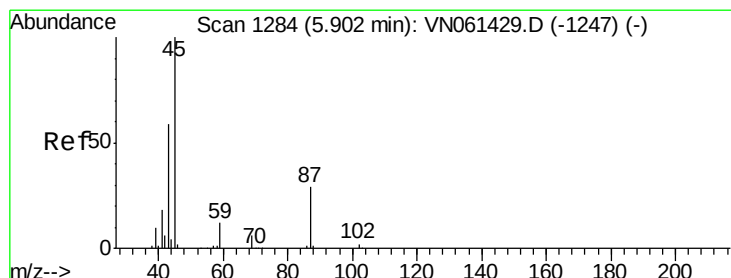
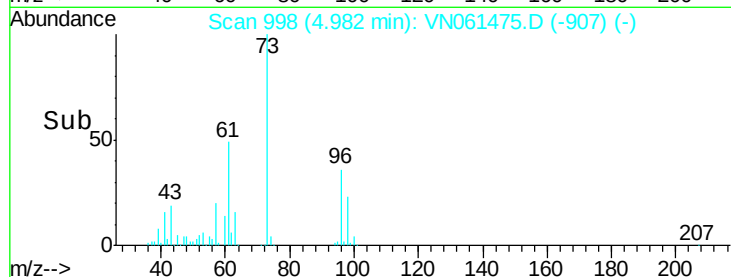
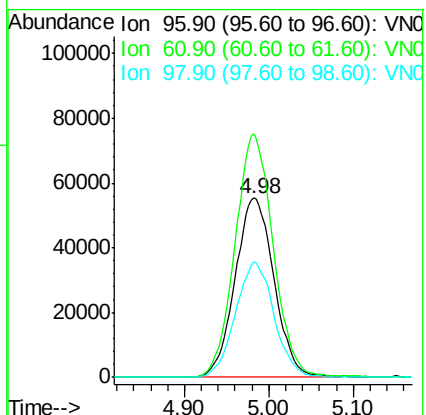
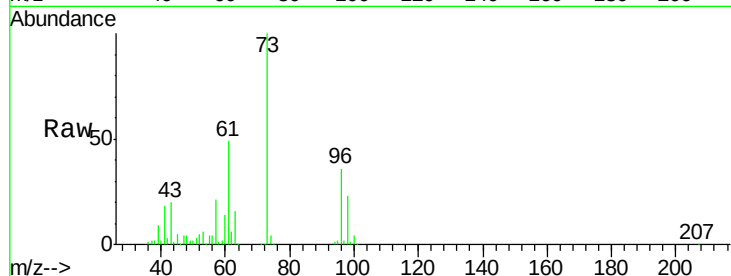
Tot Ion: 96 Resp: 177789

Ion Ratio Lower Upper

96 100

61 135.6 109.8 164.6

98 64.2 52.4 78.6



#22

Diisopropyl ether

Concen: 47.858 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Tgt Ion: 45 Resp: 541931

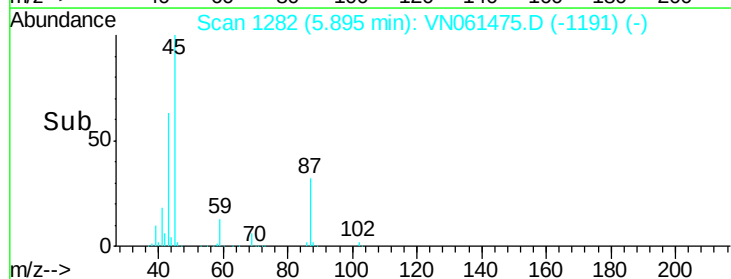
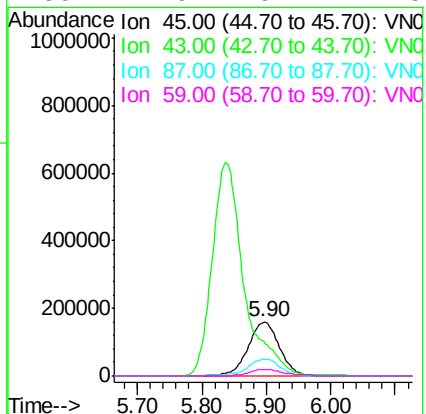
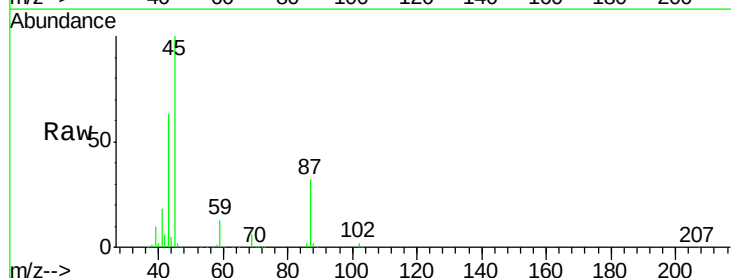
Ion Ratio Lower Upper

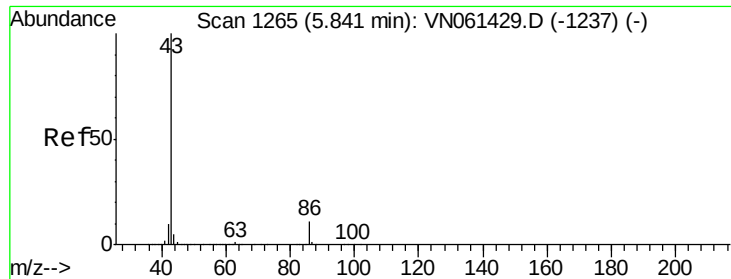
45 100

43 61.9 47.9 71.9

87 31.8 24.0 36.0

59 12.9 9.7 14.5





#23

Vinyl Acetate

Concen: 240.448 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

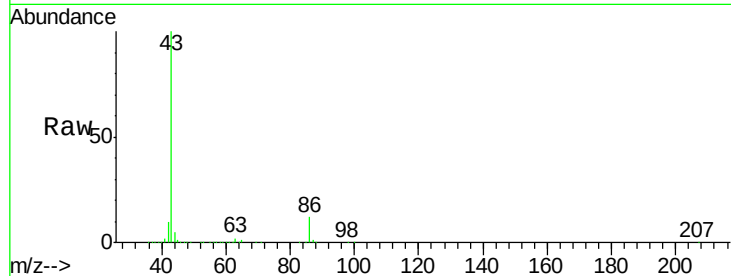
VSTDCCC050

Tot Ion: 43 Resp: 2165173

Ion Ratio Lower Upper

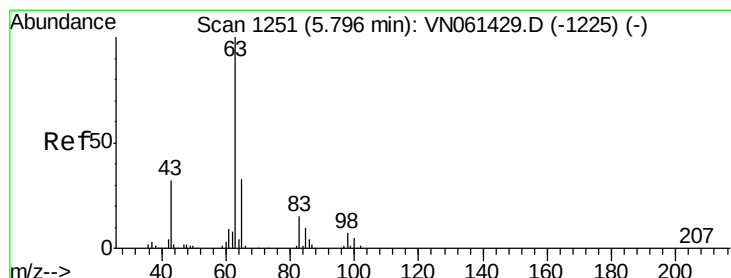
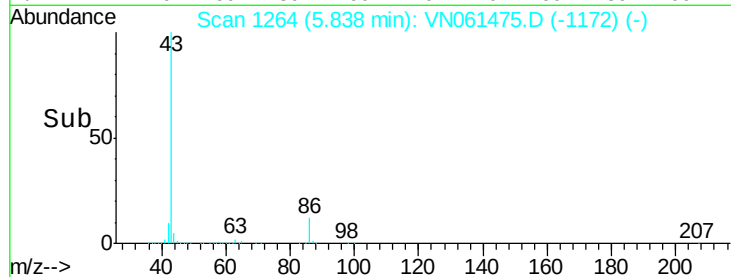
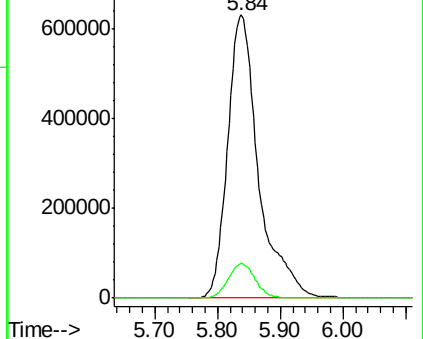
43 100

86 12.3 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.921 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

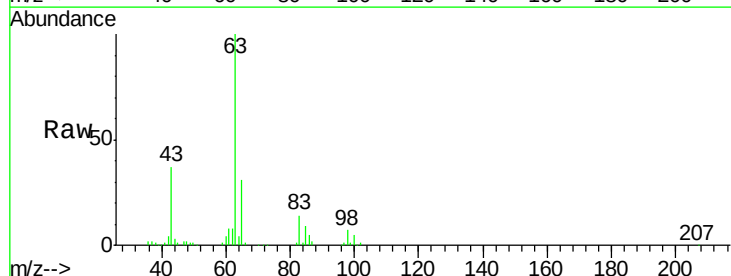
Tgt Ion: 63 Resp: 323112

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

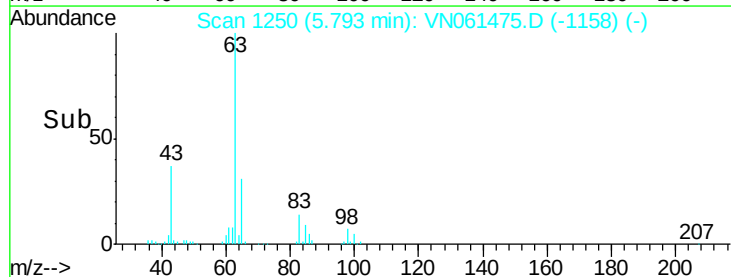
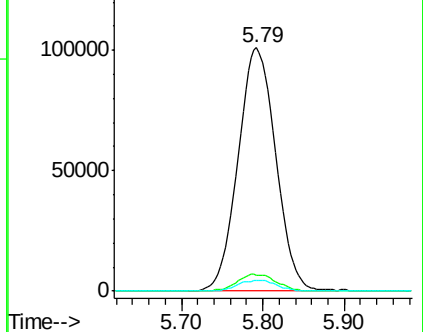
100 4.5 2.3 6.9

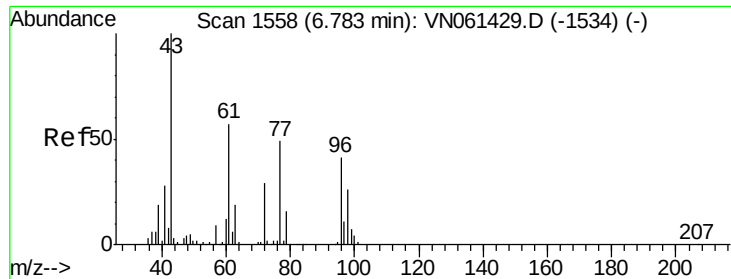


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 243.027 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

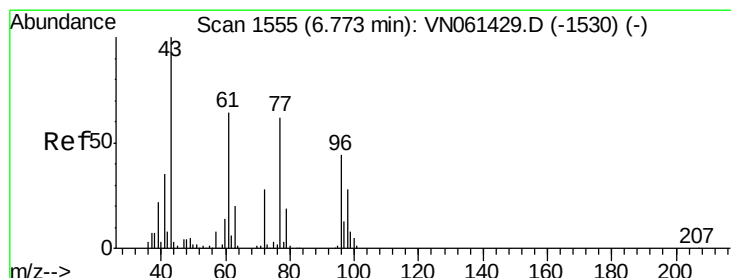
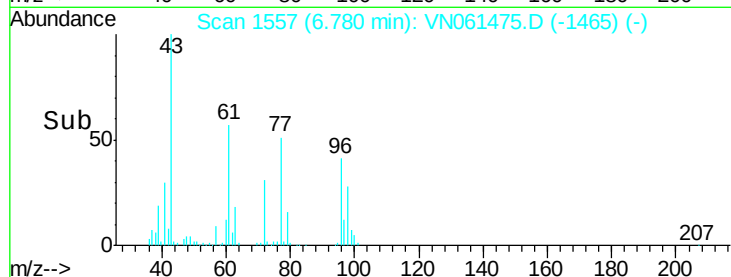
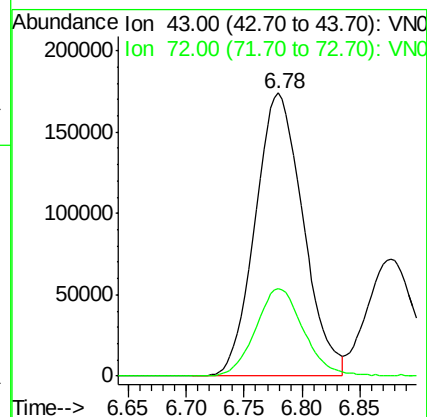
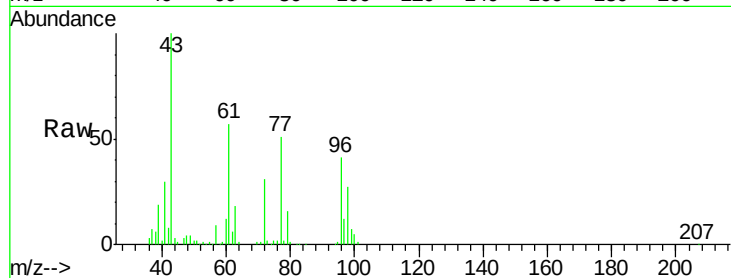
VSTDCCC050

Tot Ion: 43 Resp: 498865

Ion Ratio Lower Upper

43 100

72 30.9 23.0 34.6



#26

2,2-Dichloropropane

Concen: 49.941 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.00 min

Lab File: VN061475.D

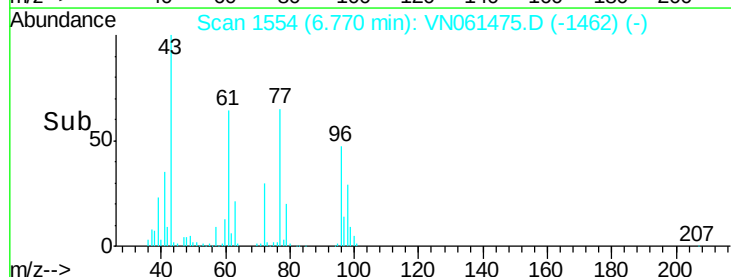
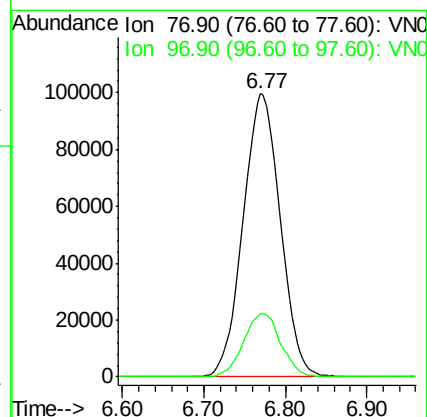
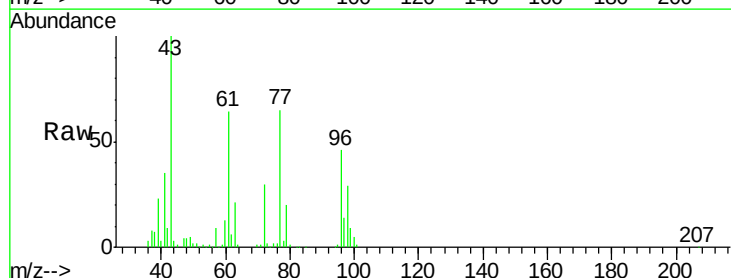
Acq: 19 May 2020 11:28

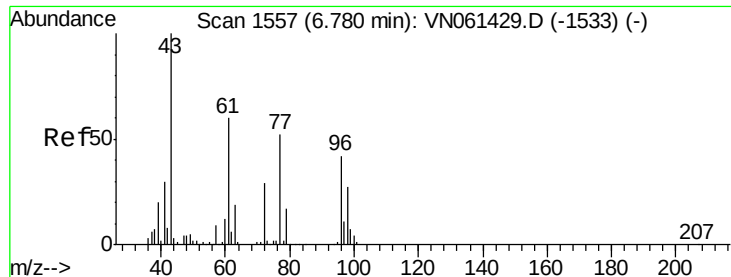
Tgt Ion: 77 Resp: 314445

Ion Ratio Lower Upper

77 100

97 22.4 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 51.643 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

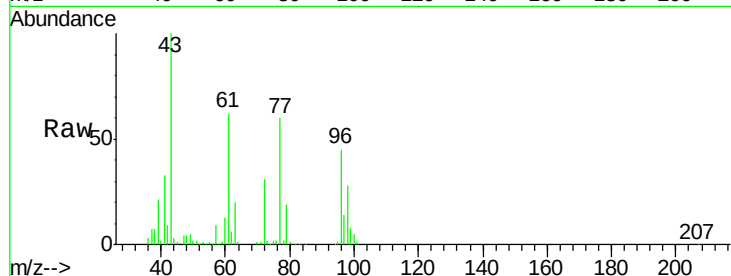
Tot Ion: 96 Resp: 217809

Ion Ratio Lower Upper

96 100

61 138.8 0.0 294.2

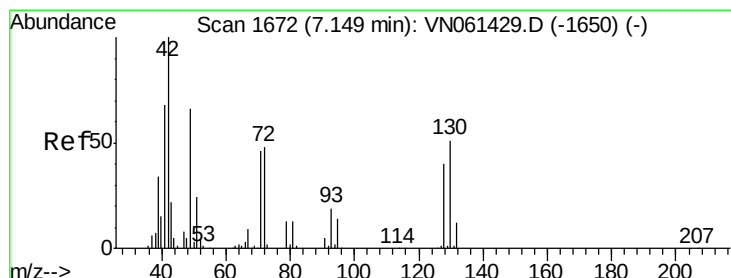
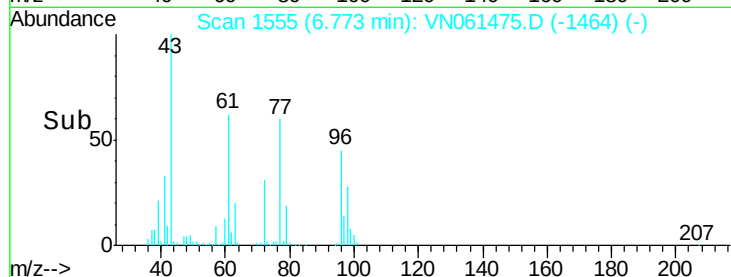
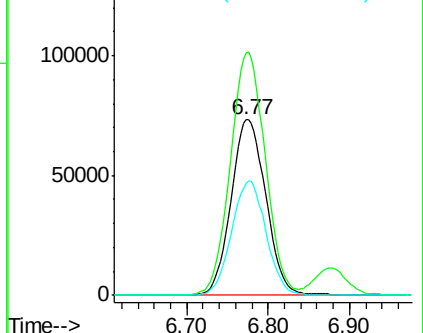
98 64.5 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN061475.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN061475.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN061475.D (-1464) (-)



#28

Bromochloromethane

Concen: 49.629 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

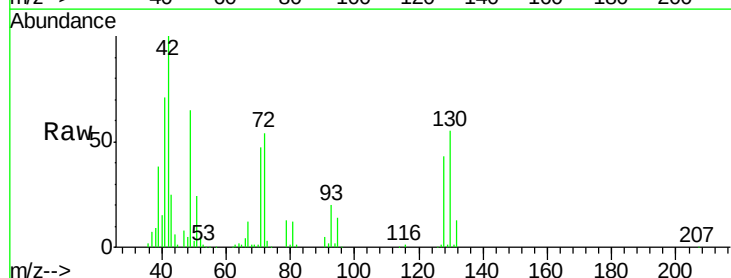
Tgt Ion: 49 Resp: 139135

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.6

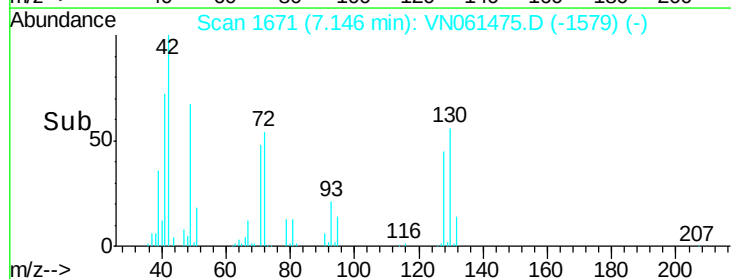
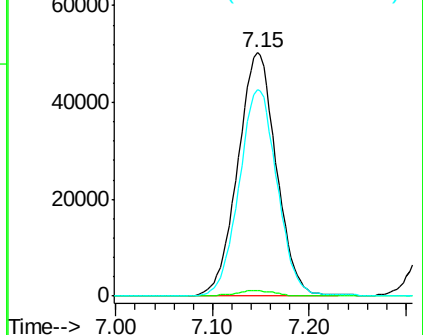
130 83.8 62.2 93.2

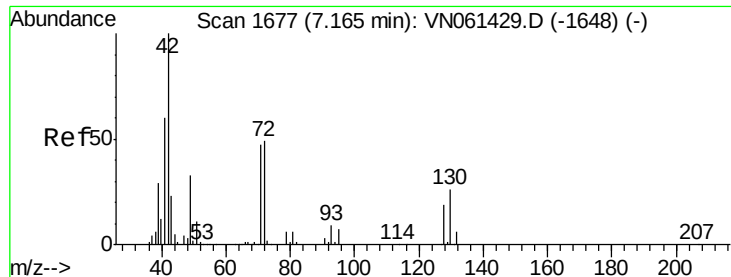


Abundance Ion 48.90 (48.60 to 49.60): VN061475.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN061475.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN061475.D (-1579) (-)





#29

Tetrahydrofuran

Concen: 227.997 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

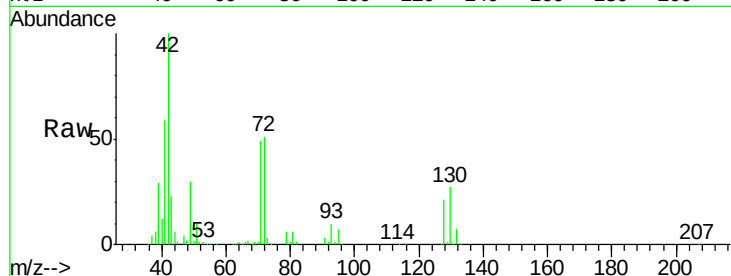
Tot Ion: 42 Resp: 309952

Ion Ratio Lower Upper

42 100

72 52.6 39.0 58.6

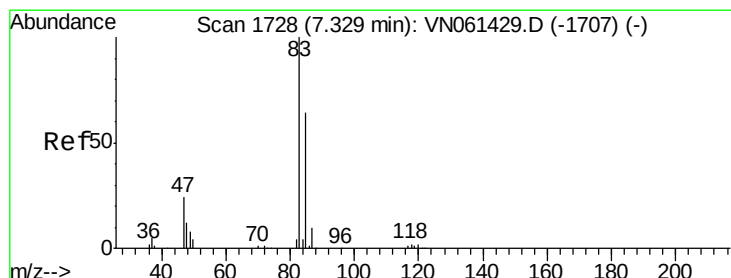
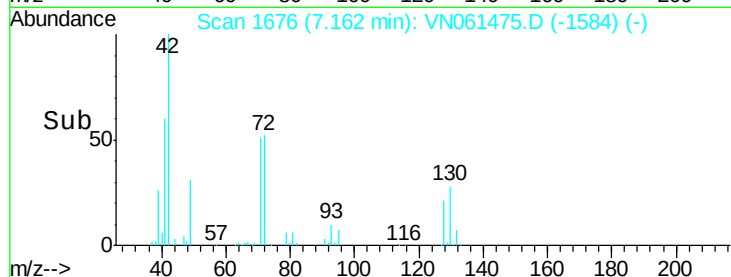
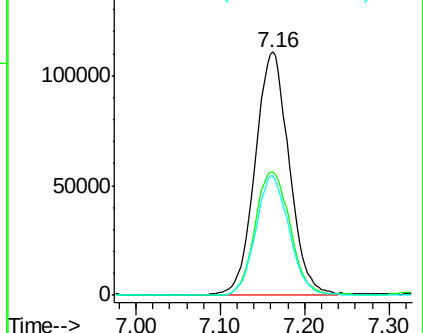
71 48.3 36.9 55.3



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 51.640 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VN061475.D

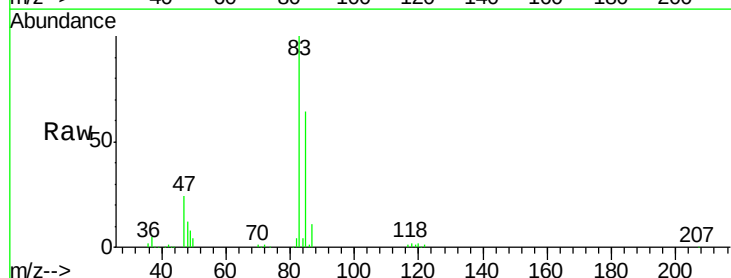
Acq: 19 May 2020 11:28

Tgt Ion: 83 Resp: 356237

Ion Ratio Lower Upper

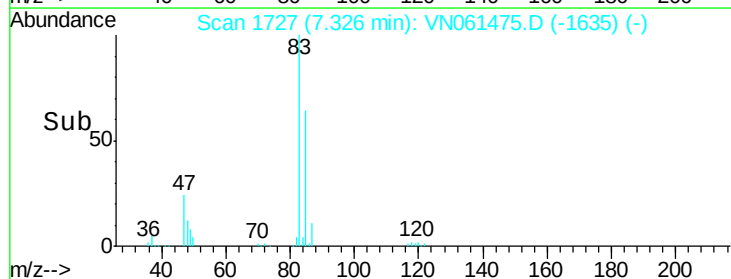
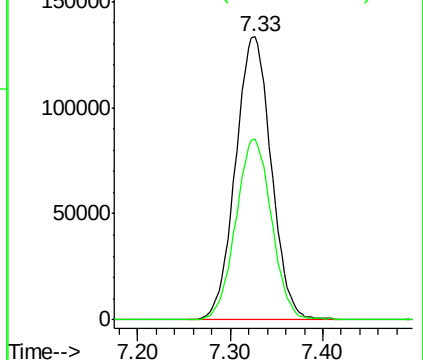
83 100

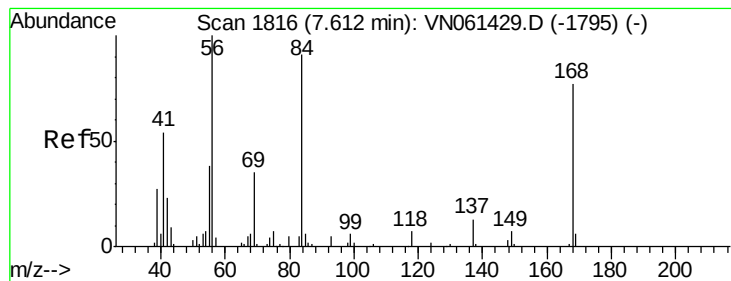
85 63.7 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.159 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

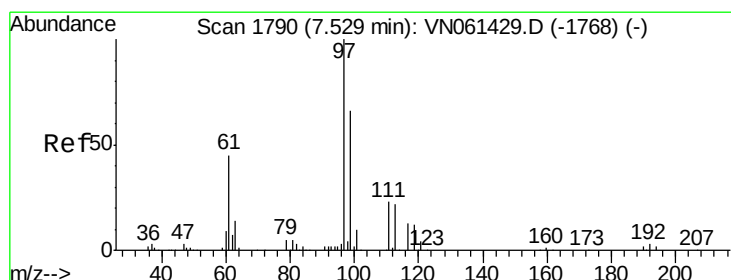
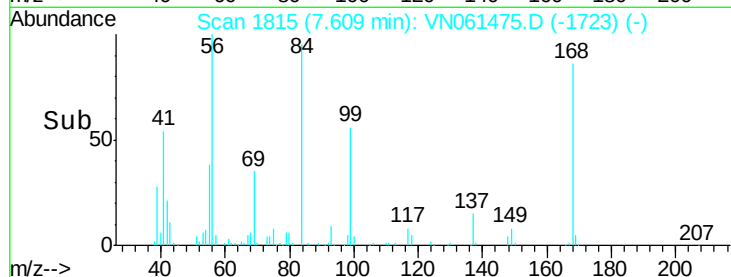
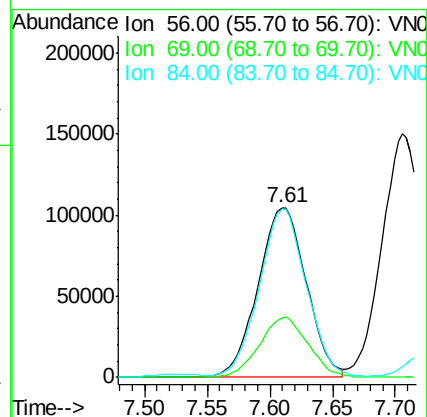
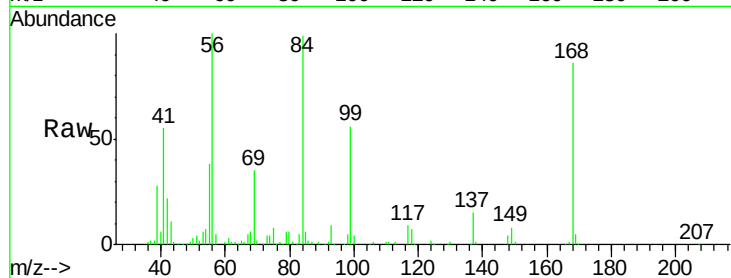
Tot Ion: 56 Resp: 280598

Ion Ratio Lower Upper

56 100

69 34.8 27.8 41.6

84 97.7 72.7 109.1



#32

1,1,1-Trichloroethane

Concen: 51.392 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

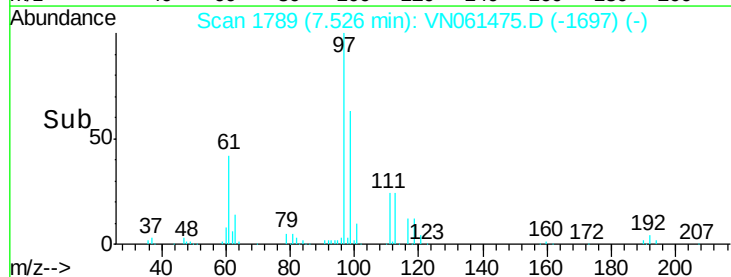
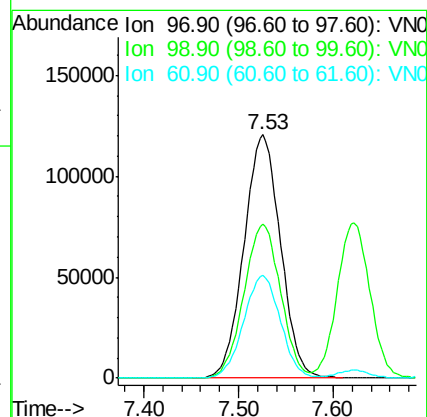
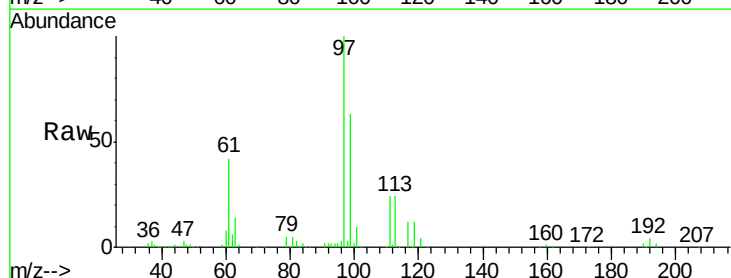
Tgt Ion: 97 Resp: 323966

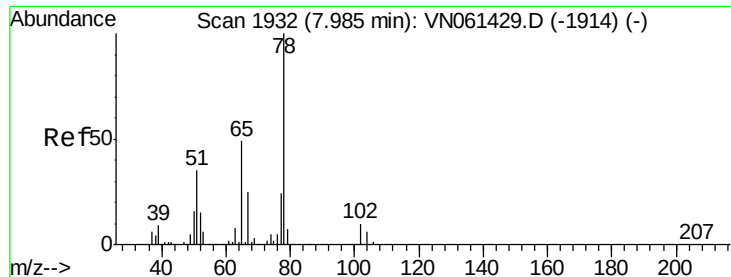
Ion Ratio Lower Upper

97 100

99 63.3 51.5 77.3

61 42.5 35.8 53.6

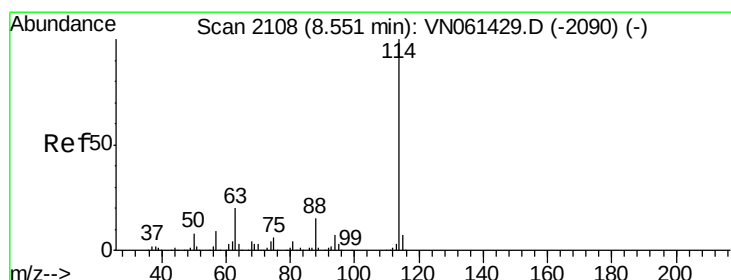
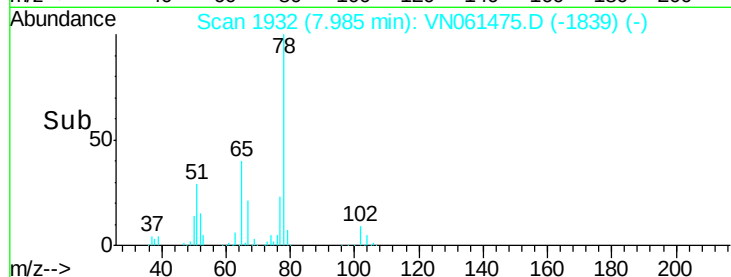
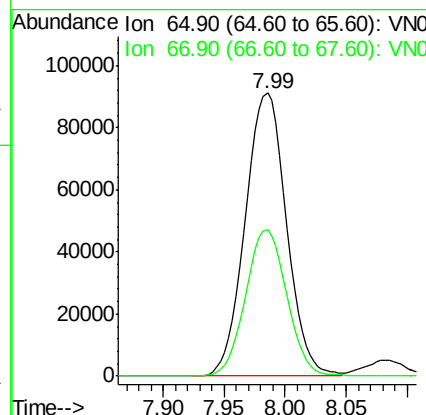
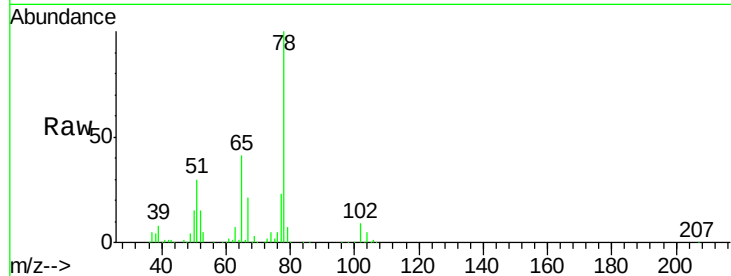




#33
 1,2-Dichloroethane-d4
 Concen: 47.371 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

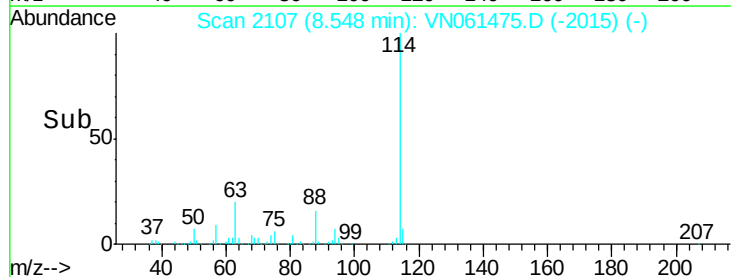
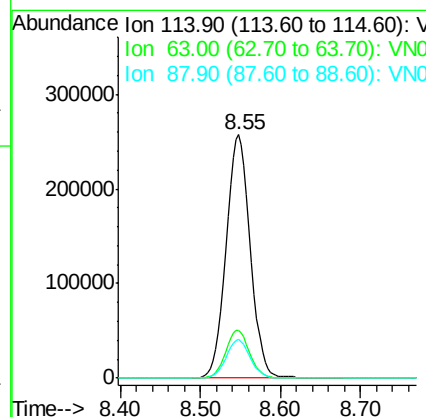
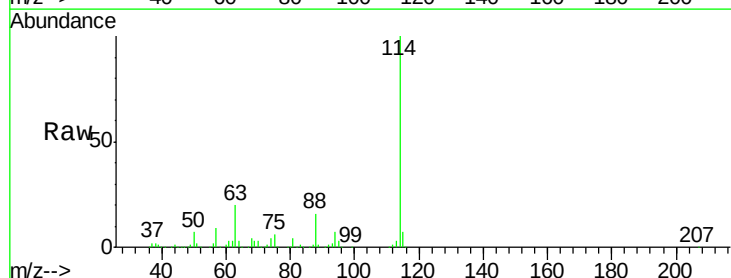
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

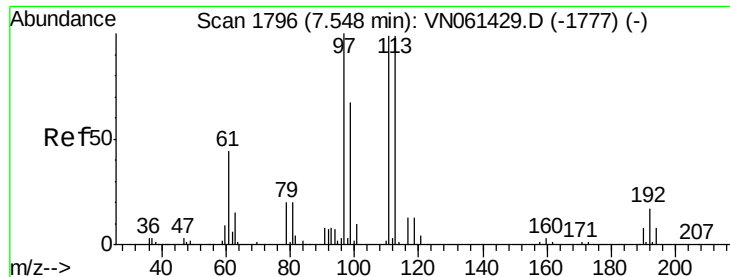
Tot Ion: 65 Resp: 213569
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

Tgt Ion: 114 Resp: 534394
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.8
 88 15.7 0.0 30.8

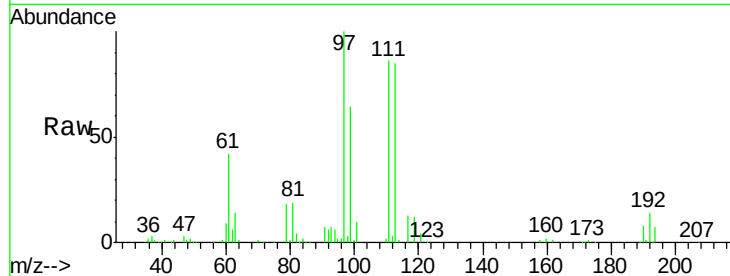




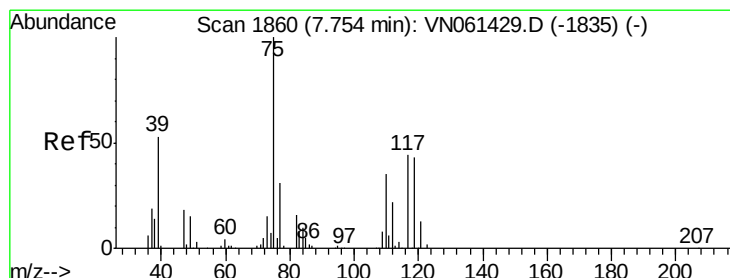
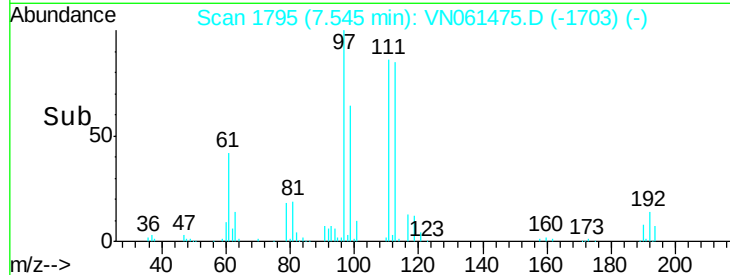
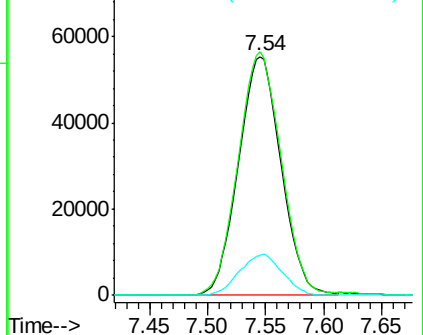
#35
 Dibromofluoromethane
 Concen: 50.448 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 141230
 Ion Ratio Lower Upper
 113 100
 111 102.8 80.6 121.0
 192 17.3 13.2 19.8

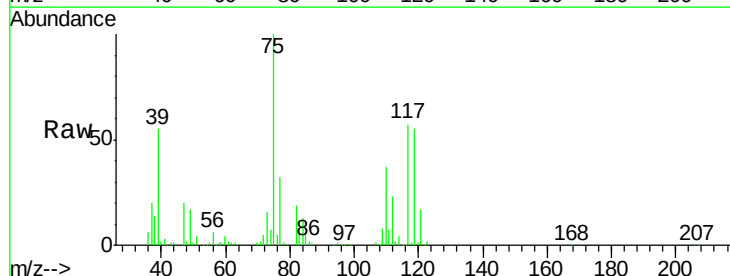


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

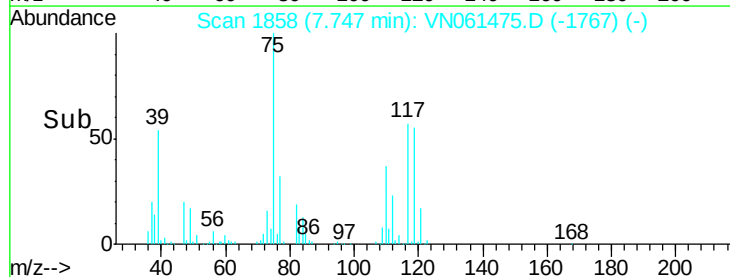
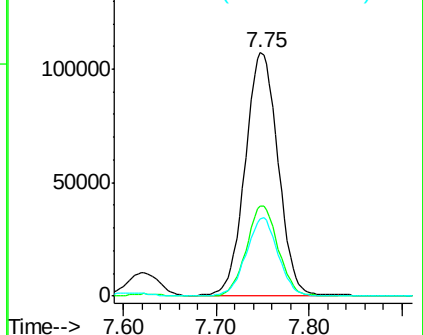


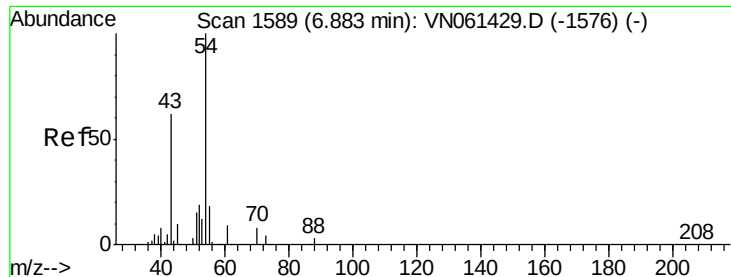
#36
 1,1-Dichloropropene
 Concen: 52.613 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

Tgt Ion: 75 Resp: 262899
 Ion Ratio Lower Upper
 75 100
 110 36.0 17.3 51.9
 77 31.2 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

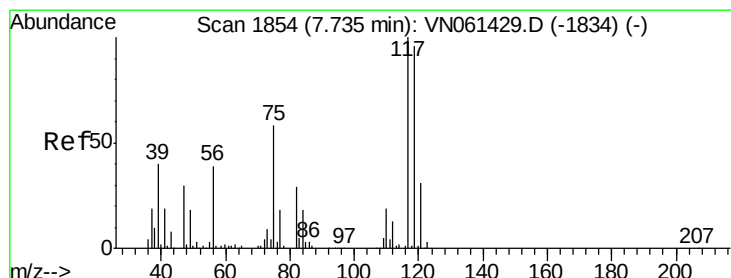
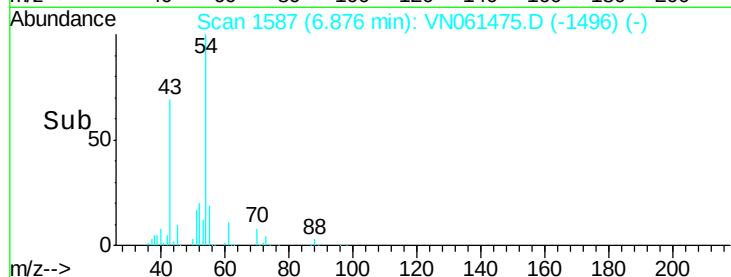
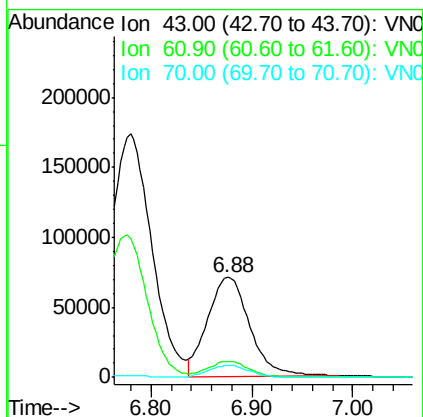
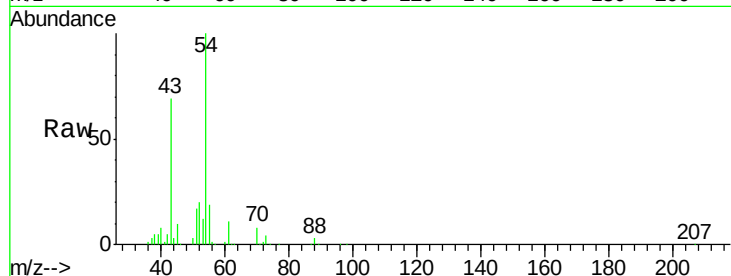




#37
Ethyl Acetate
Concen: 45.697 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

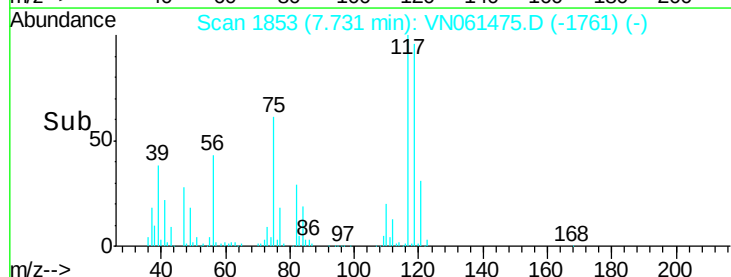
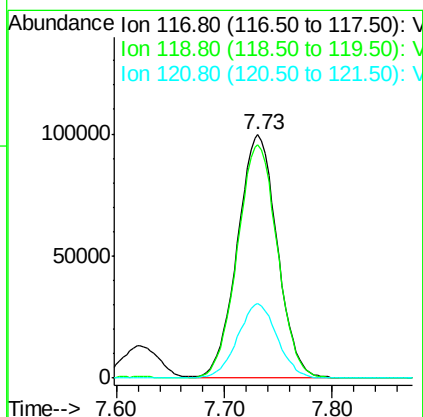
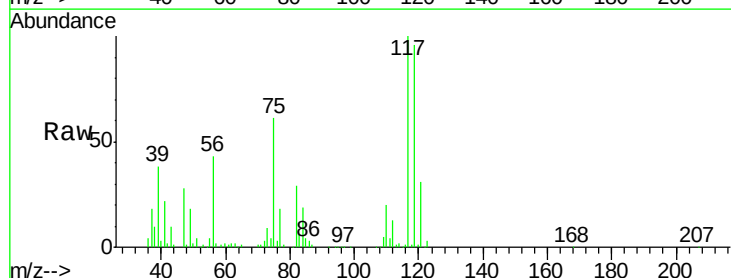
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

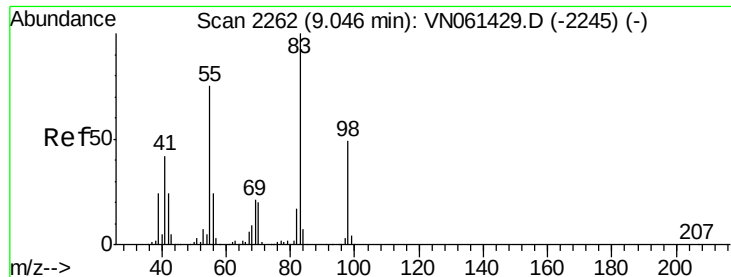
Tot Ion: 43 Resp: 207080
Ion Ratio Lower Upper
43 100
61 14.7 11.7 17.5
70 11.6 9.2 13.8



#38
Carbon Tetrachloride
Concen: 55.297 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

Tgt Ion: 117 Resp: 254428
Ion Ratio Lower Upper
117 100
119 96.2 77.0 115.6
121 30.7 24.7 37.1

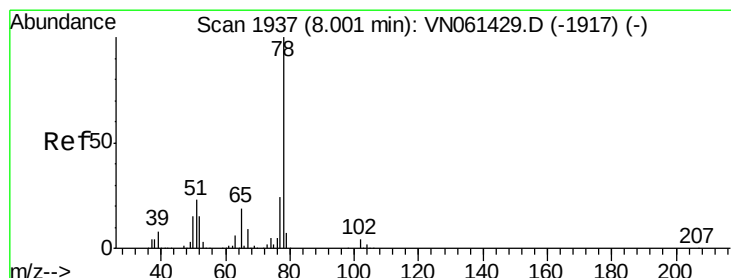
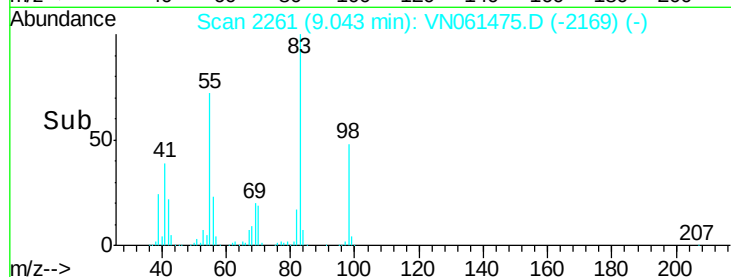
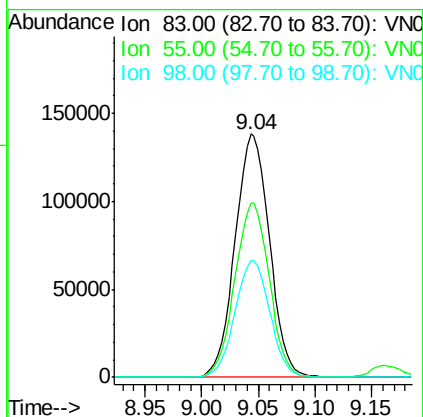
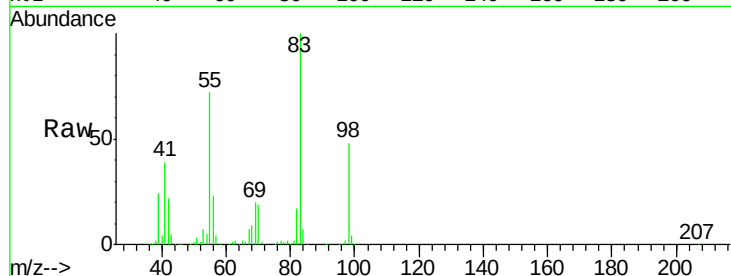




#39
Methylvlcyclohexane
Concen: 48.037 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

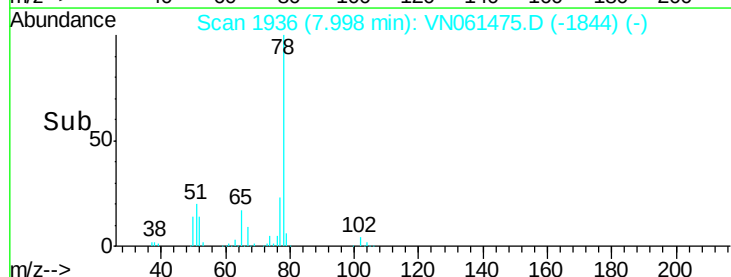
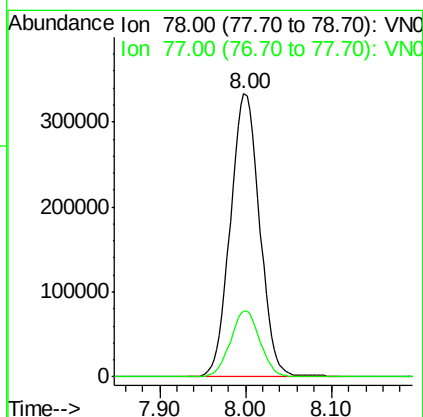
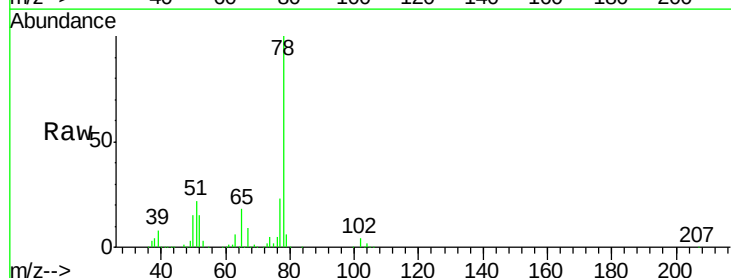
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

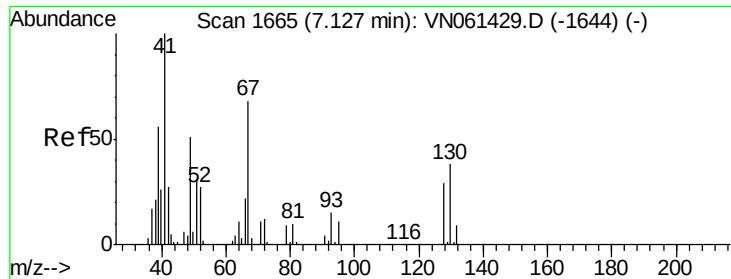
Tot Ion: 83 Resp: 293176
Ion Ratio Lower Upper
83 100
55 71.6 59.7 89.5
98 47.9 38.9 58.3



#40
Benzene
Concen: 52.452 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

Tgt Ion: 78 Resp: 789847
Ion Ratio Lower Upper
78 100
77 23.2 19.1 28.7

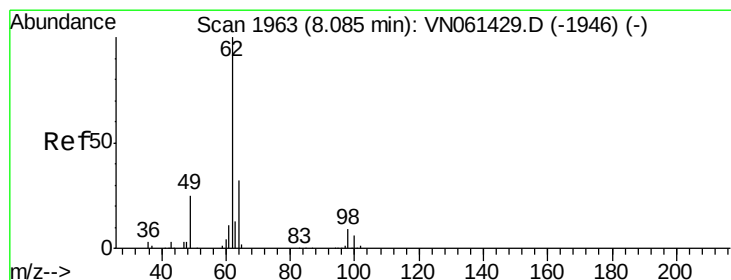
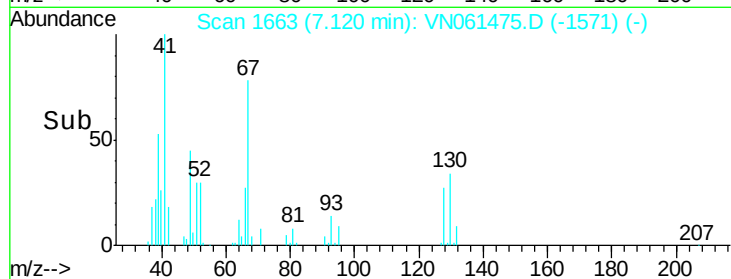
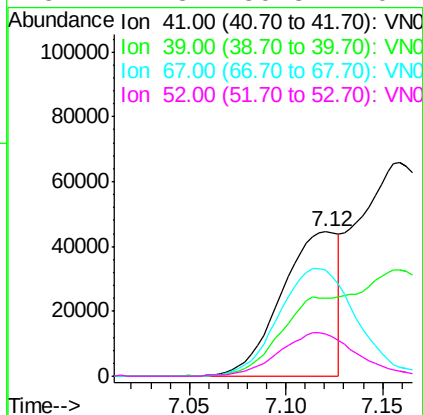
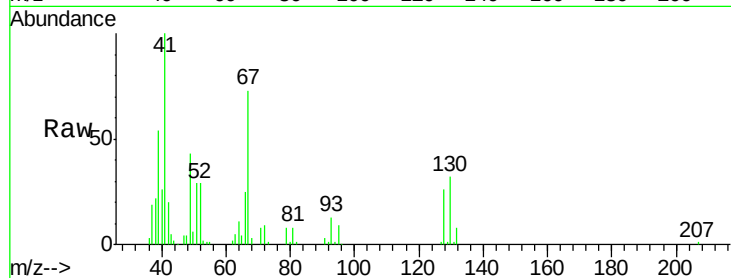




#41
Methacrylonitrile
Concen: 47.361 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

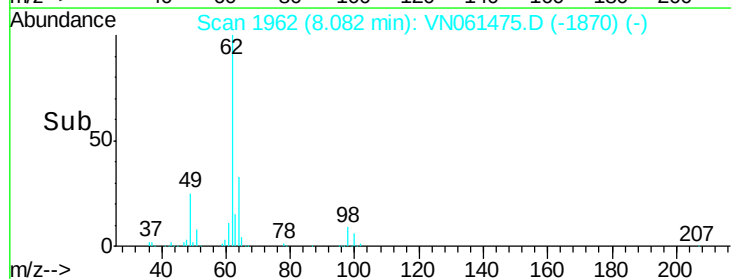
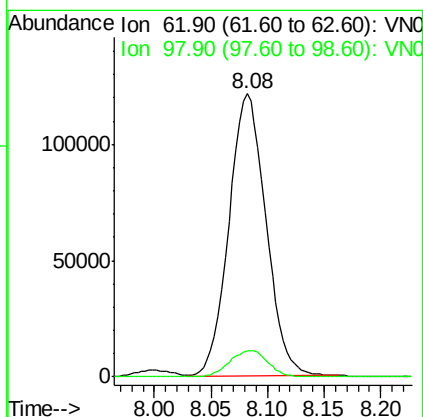
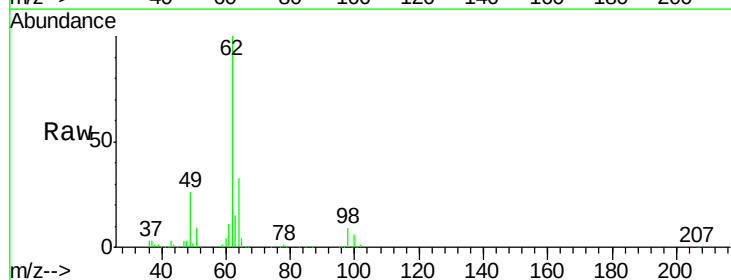
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

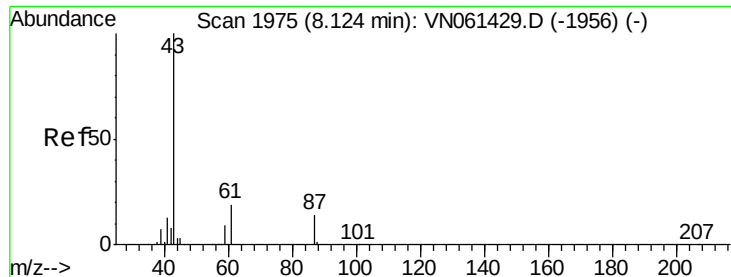
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	43.9	48.3	72.5#	
67	104.2	74.2	111.4	
52	41.3	30.8	46.2	



#42
1,2-Dichloroethane
Concen: 51.145 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	18.4	





#43

Isopropyl Acetate

Concen: 48.409 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

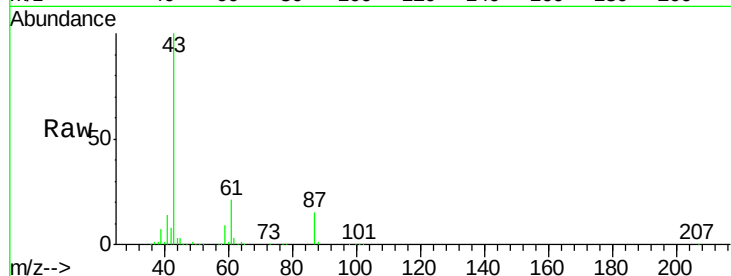
Tot Ion: 43 Resp: 382603

Ion Ratio Lower Upper

43 100

61 28.7 23.0 34.4

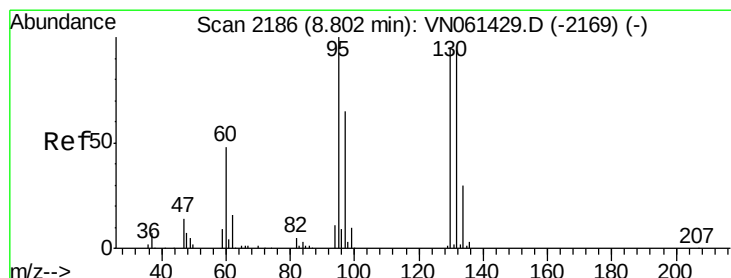
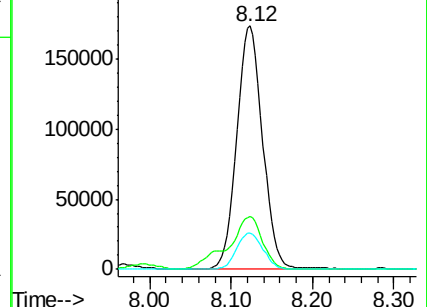
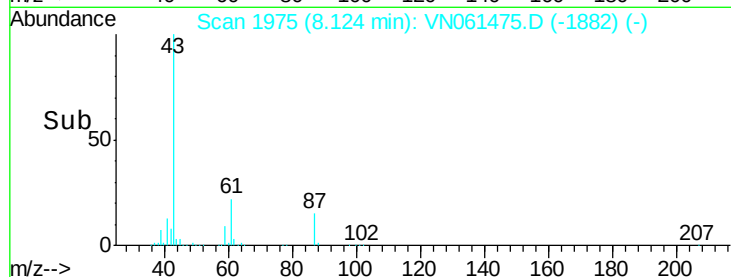
87 15.3 11.6 17.4



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: 56.003 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061475.D

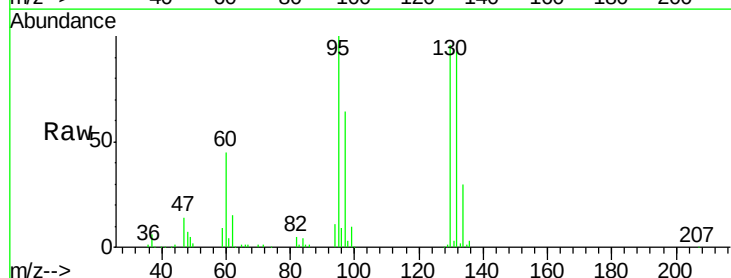
Acq: 19 May 2020 11:28

Tgt Ion:130 Resp: 220970

Ion Ratio Lower Upper

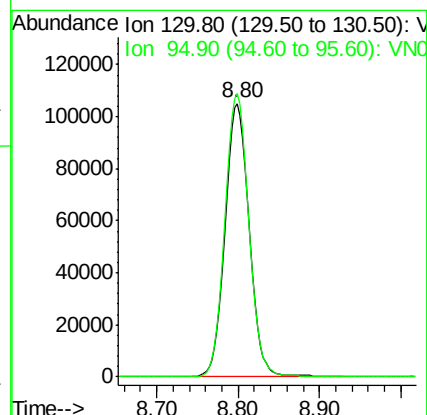
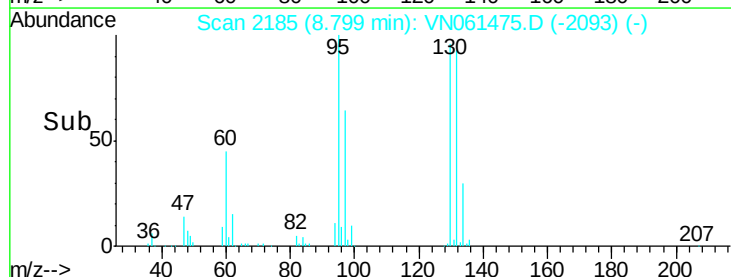
130 100

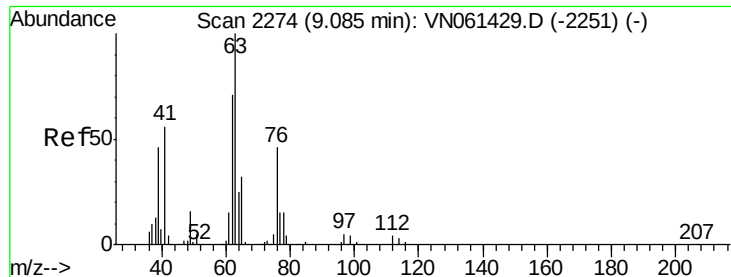
95 103.6 0.0 209.8



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: 52.252 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

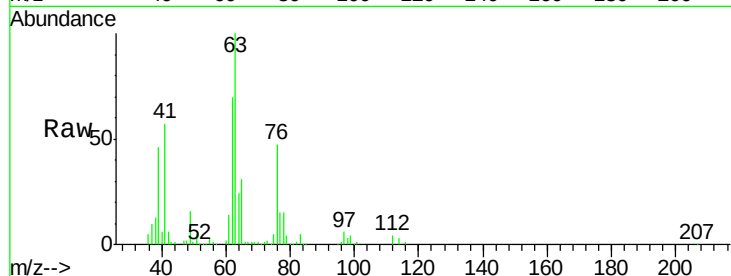
VSTDCCC050

Tot Ion: 63 Resp: 196945

Ion Ratio Lower Upper

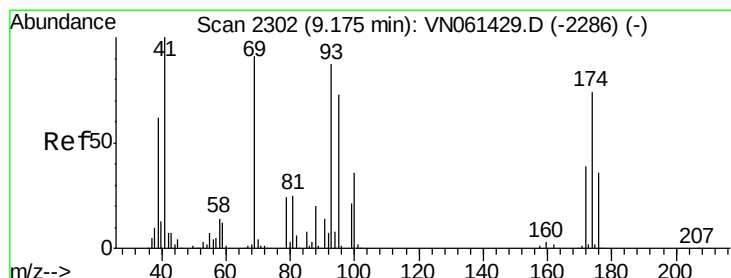
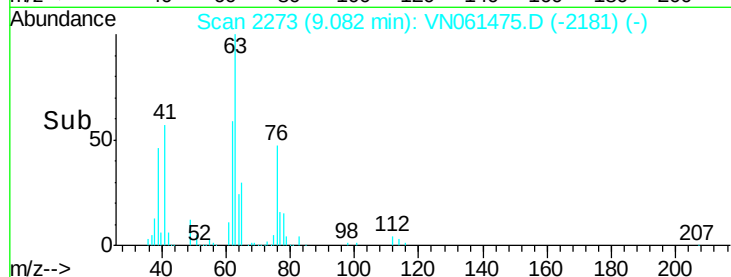
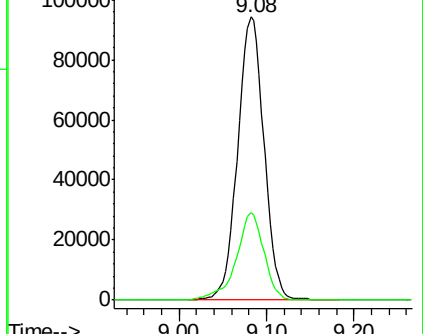
63 100

65 30.8 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.892 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

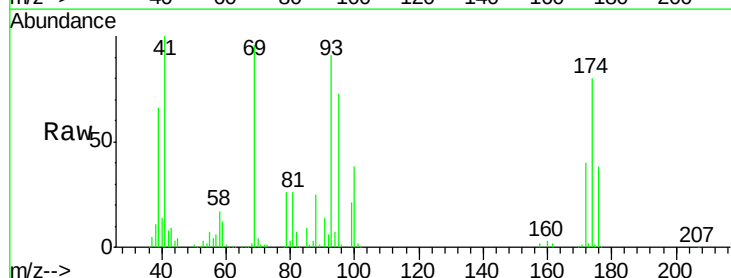
Tgt Ion: 93 Resp: 139756

Ion Ratio Lower Upper

93 100

95 81.2 65.6 98.4

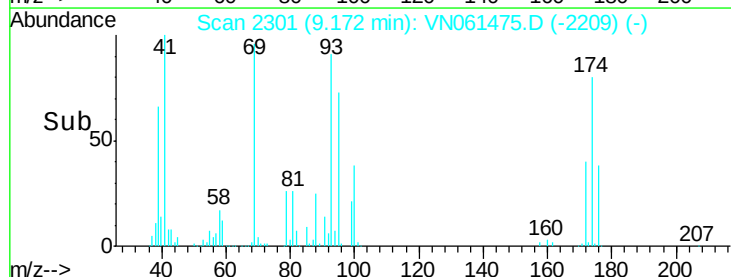
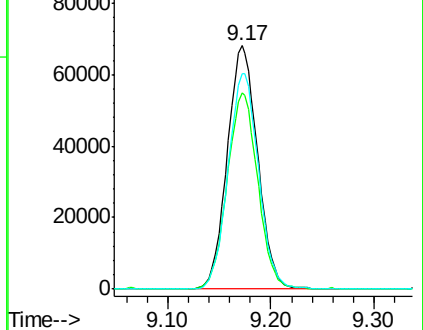
174 89.1 68.0 102.0

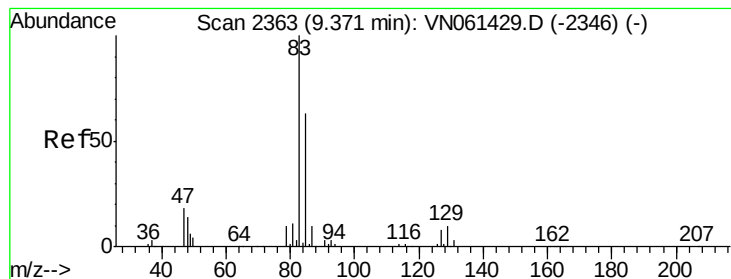


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.904 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

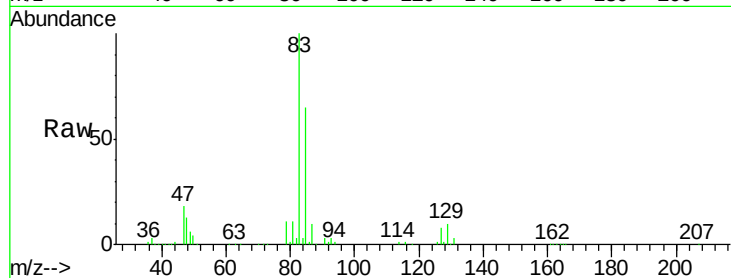
Tot Ion: 83 Resp: 294522

Ion Ratio Lower Upper

83 100

85 64.8 50.6 76.0

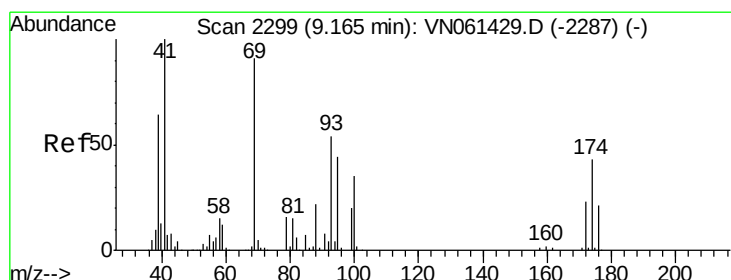
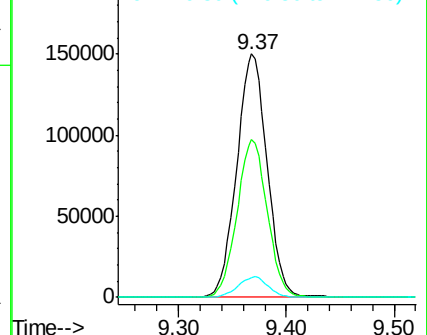
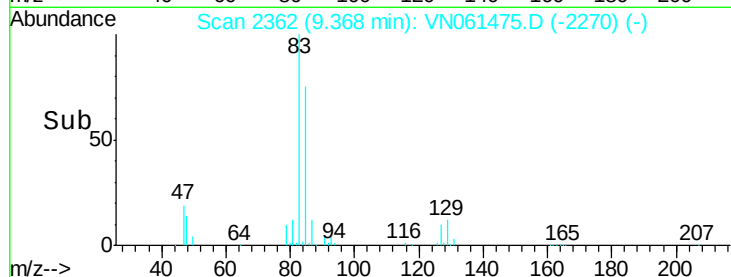
127 8.3 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN061475.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061475.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061475.D (-2270) (-)



#48

Methyl methacrylate

Concen: 46.821 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

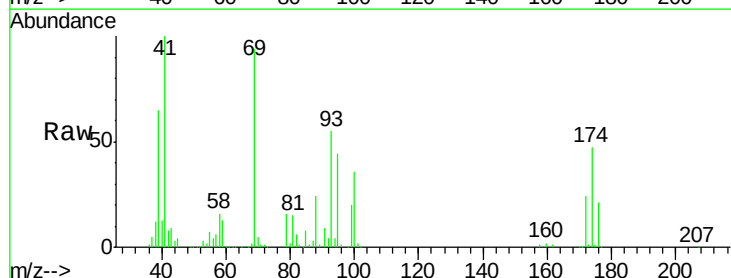
Tgt Ion: 41 Resp: 170950

Ion Ratio Lower Upper

41 100

69 97.6 75.3 112.9

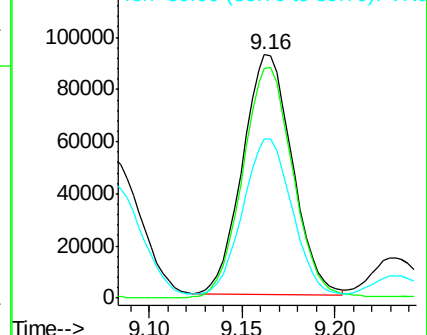
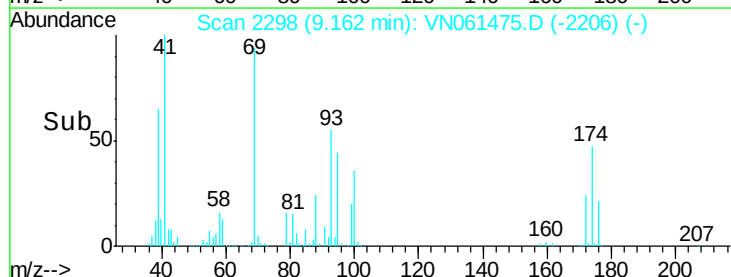
39 67.0 52.6 79.0

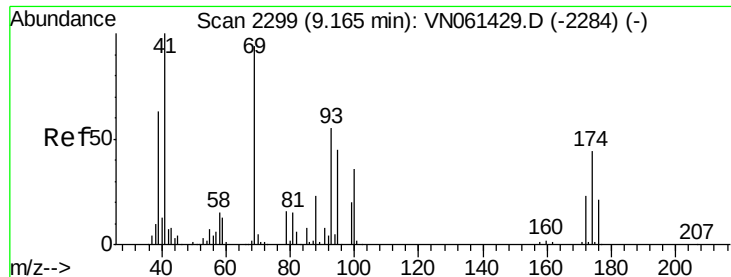


Abundance Ion 41.00 (40.70 to 41.70): VN061475.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061475.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061475.D (-2206) (-)

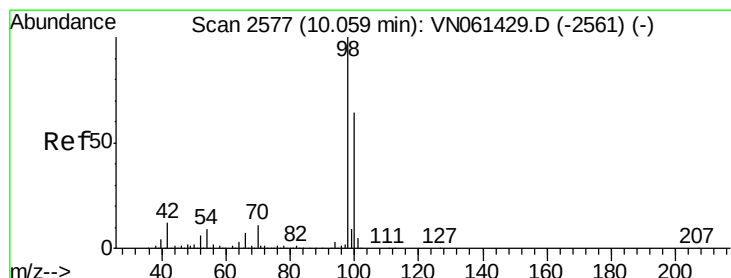
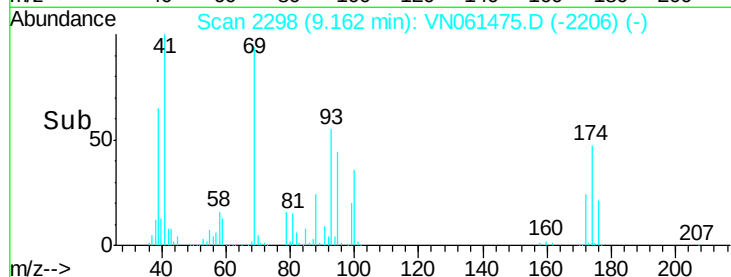
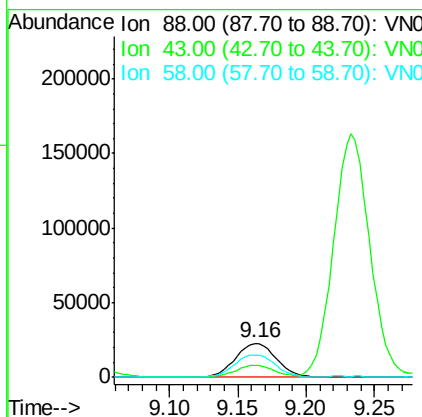
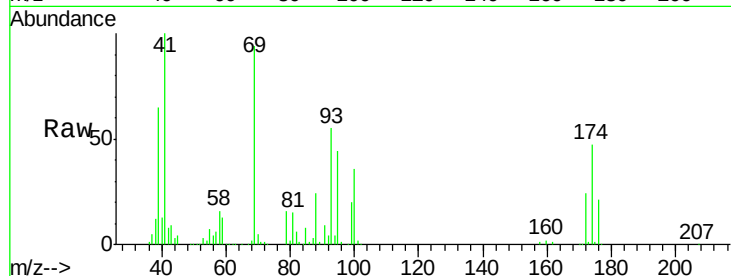




#49
 1,4-Dioxane
 Concen: 1257.001 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

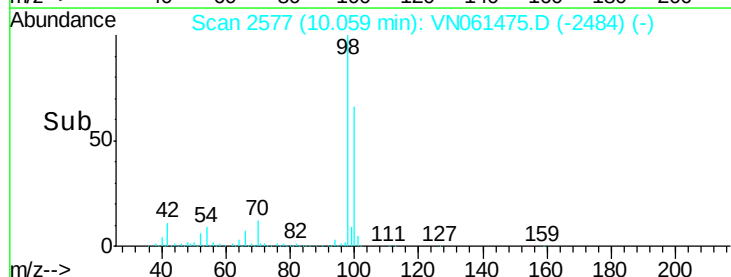
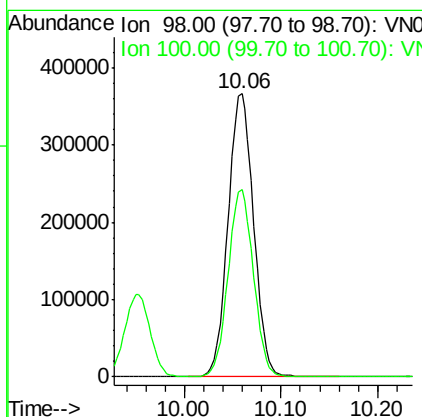
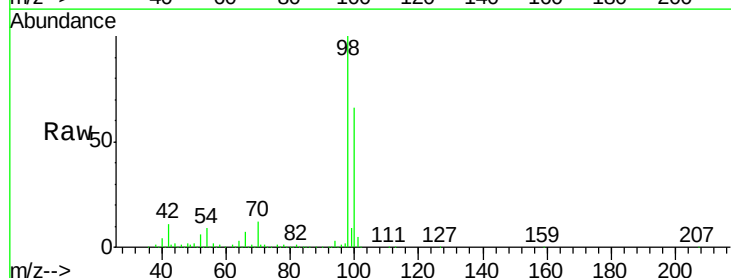
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

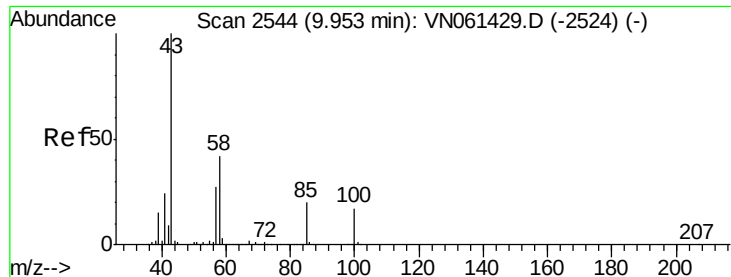
Tot Ion: 88 Resp: 47900
 Ion Ratio Lower Upper
 88 100
 43 32.7 26.3 39.5
 58 66.1 54.1 81.1



#50
 Toluene-d8
 Concen: 51.754 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

Tgt Ion: 98 Resp: 672022
 Ion Ratio Lower Upper
 98 100
 100 65.4 51.8 77.8

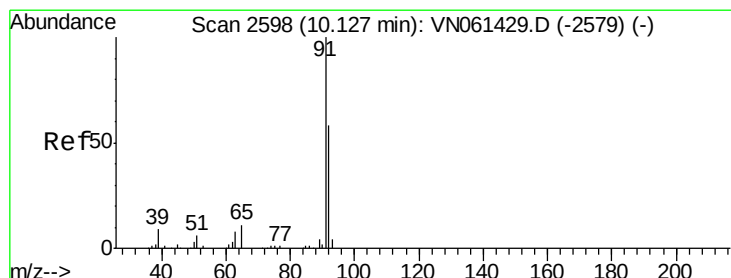
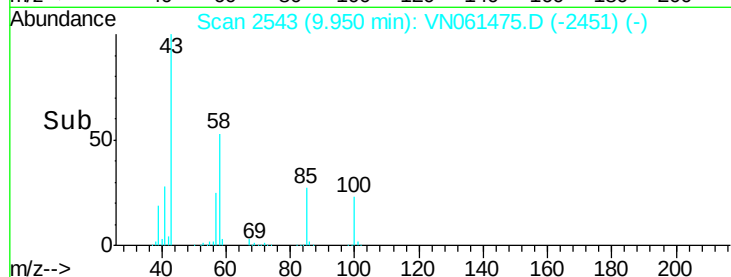
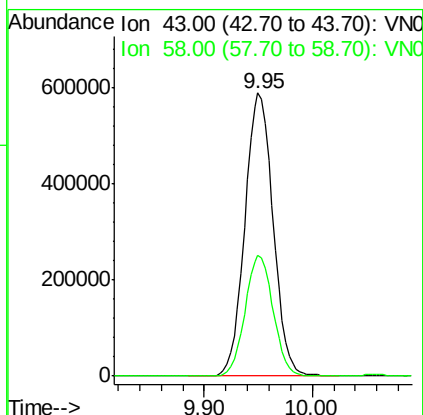
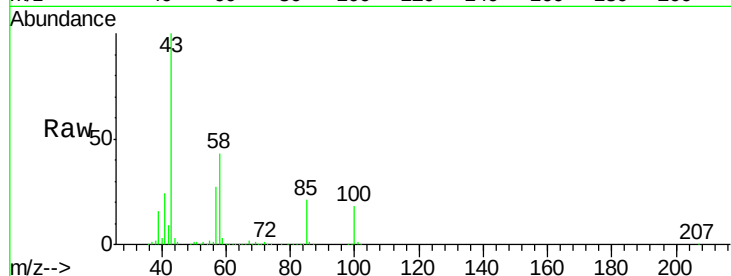




#51
4-Methyl-2-Pentanone
Concen: 248.710 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

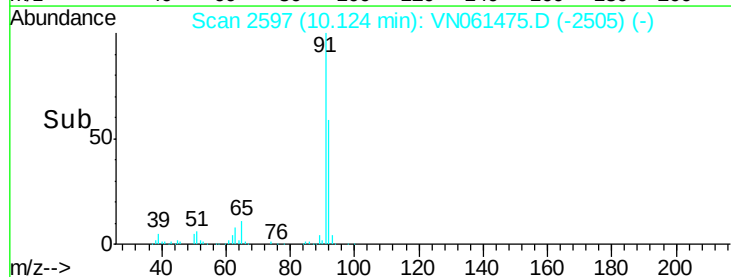
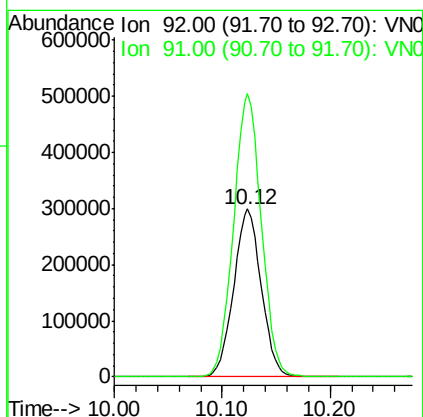
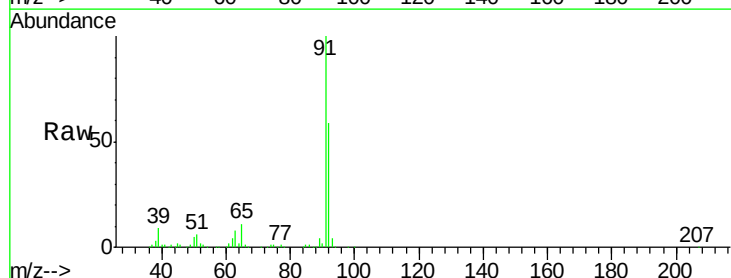
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

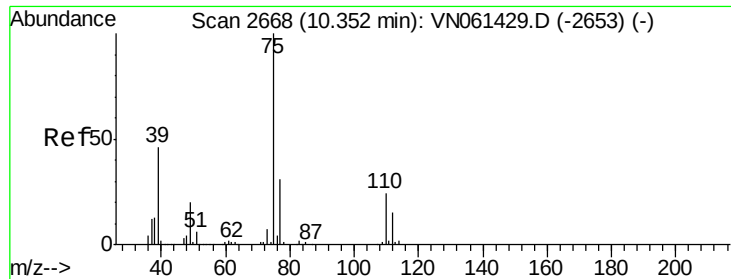
Tot Ion: 43 Resp: 1070828
Ion Ratio Lower Upper
43 100
58 42.5 33.4 50.2



#52
Toluene
Concen: 55.108 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

Tgt Ion: 92 Resp: 532767
Ion Ratio Lower Upper
92 100
91 170.5 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 53.690 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

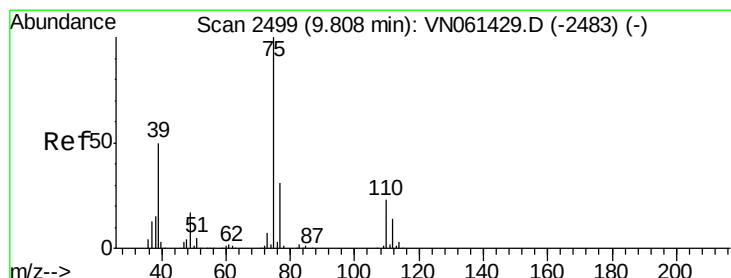
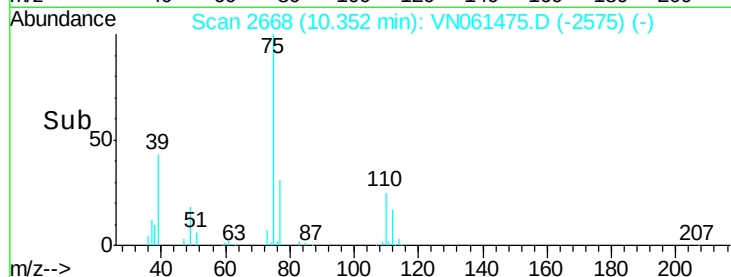
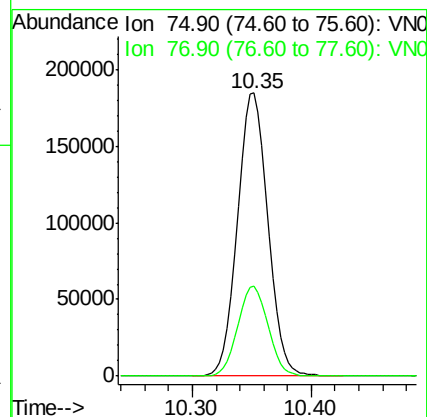
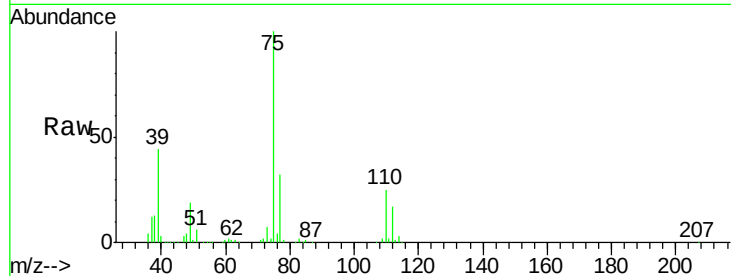
VSTDCCC050

Tot Ion: 75 Resp: 327605

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 53.196 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

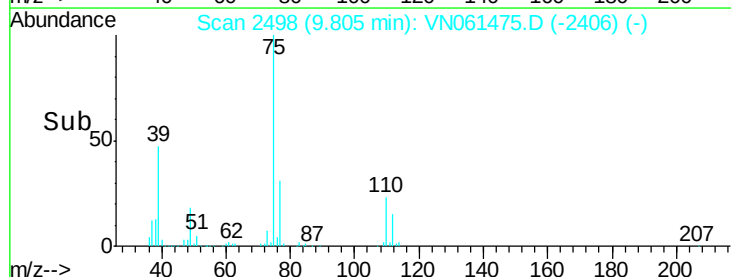
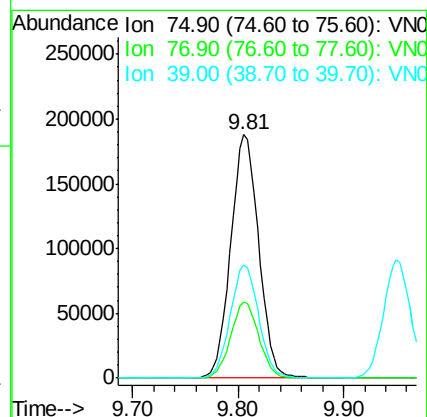
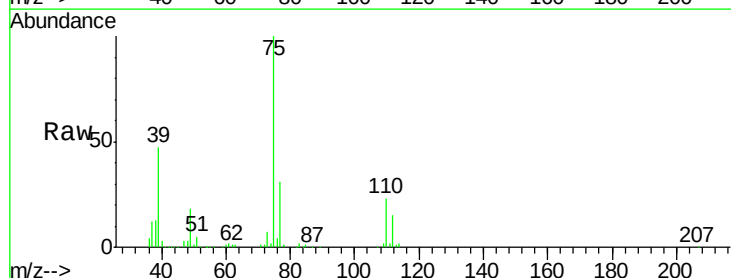
Tgt Ion: 75 Resp: 345049

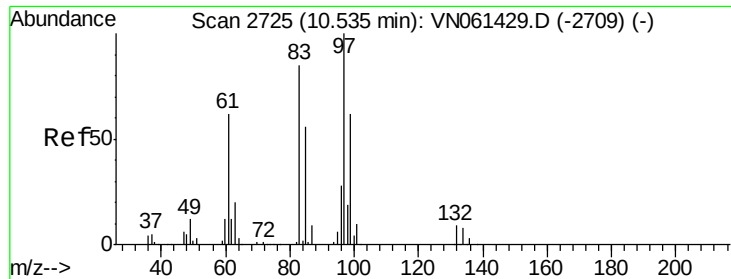
Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

39 46.5 39.8 59.6

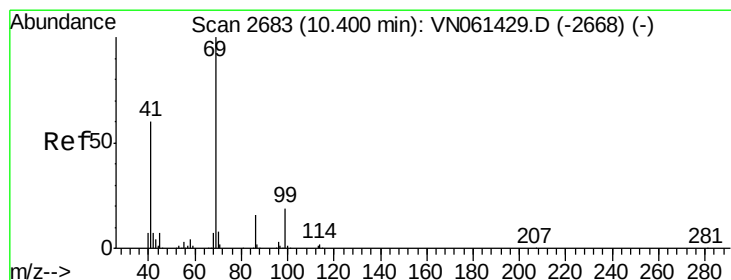
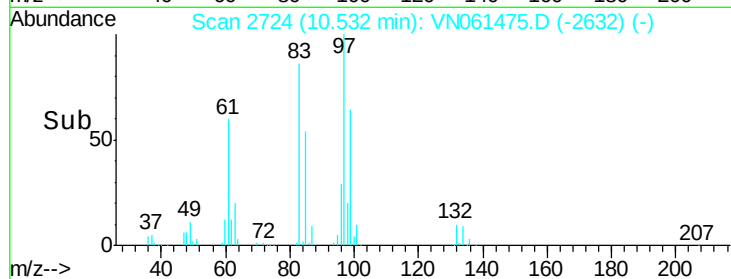
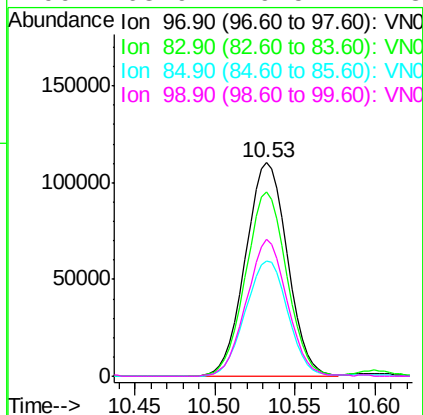
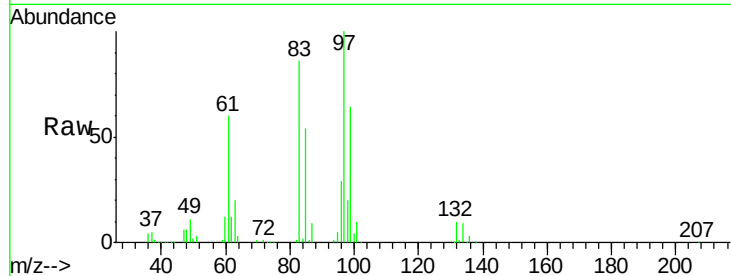




#55
 1,1,2-Trichloroethane
 Concen: 54.584 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

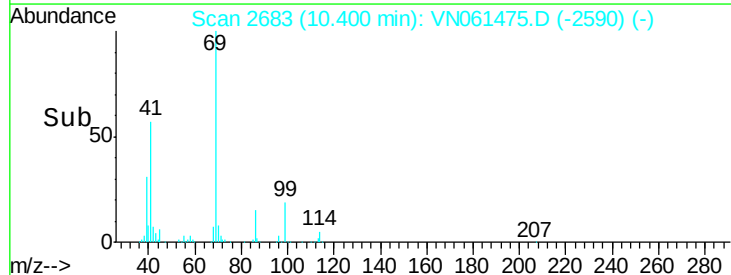
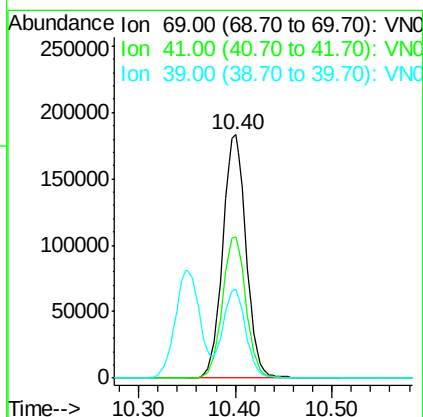
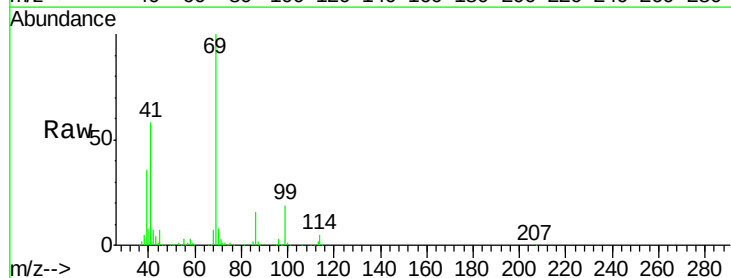
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

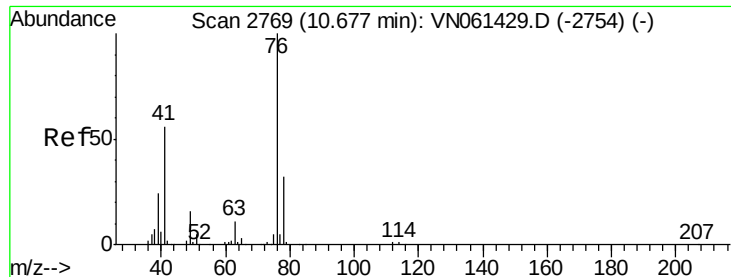
Tot Ion:	97	Resp:	199505
Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.2	102.4
85	54.1	44.6	67.0
99	63.9	49.5	74.3



#56
 Ethyl methacrylate
 Concen: 53.778 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

Tgt Ion:	69	Resp:	307296
Ion	Ratio	Lower	Upper
69	100		
41	57.7	48.3	72.5
39	36.1	30.2	45.2

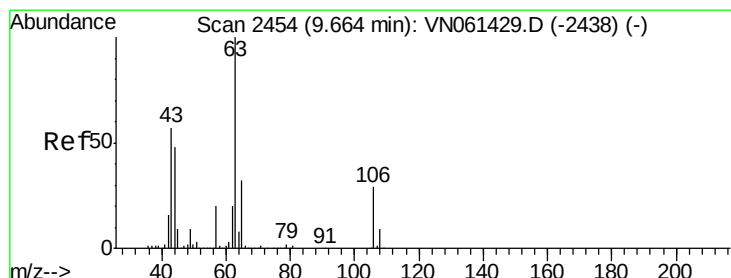
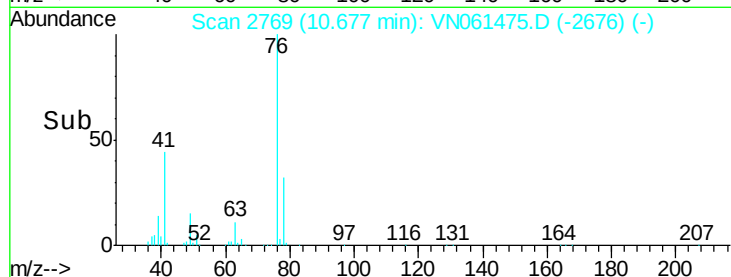
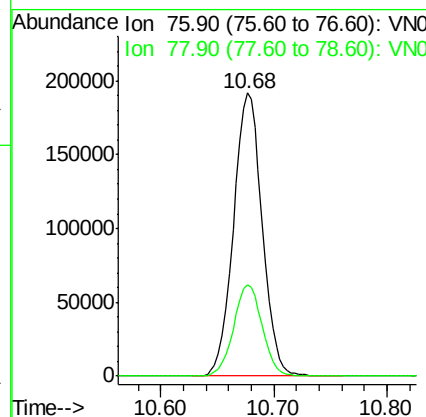
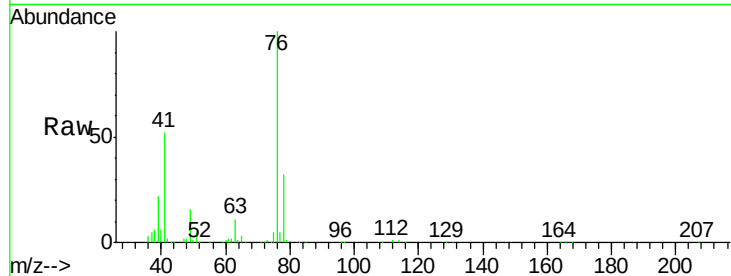




#57
 1,3-Dichloropropane
 Concen: 53.460 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. 0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

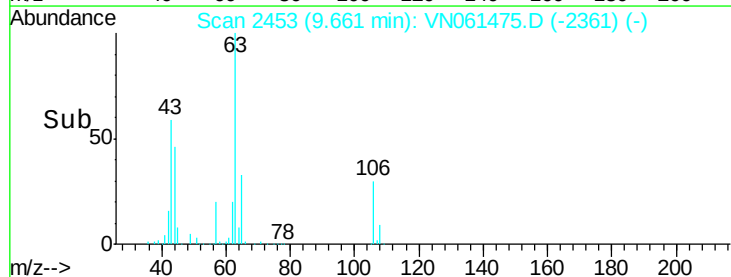
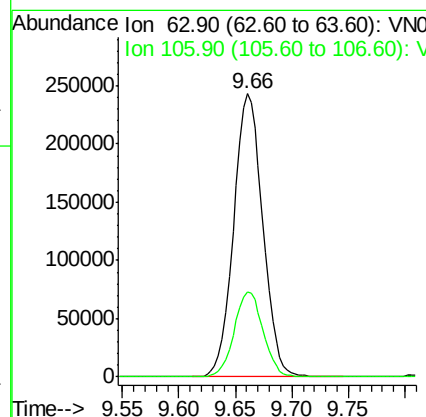
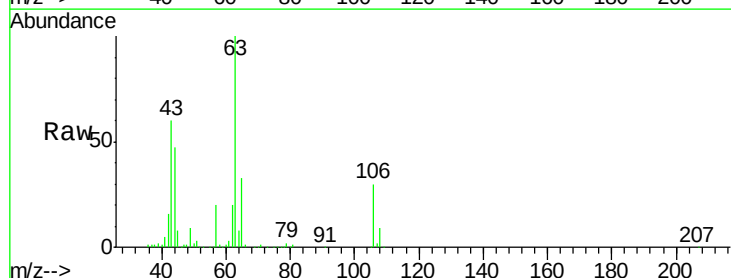
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

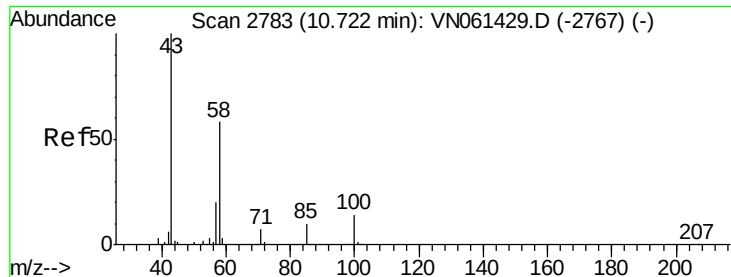
Tot Ion: 76 Resp: 337686
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 173.593 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

Tgt Ion: 63 Resp: 435405
 Ion Ratio Lower Upper
 63 100
 106 29.8 22.7 34.1

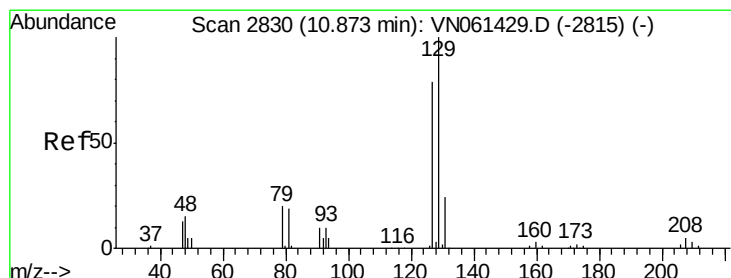
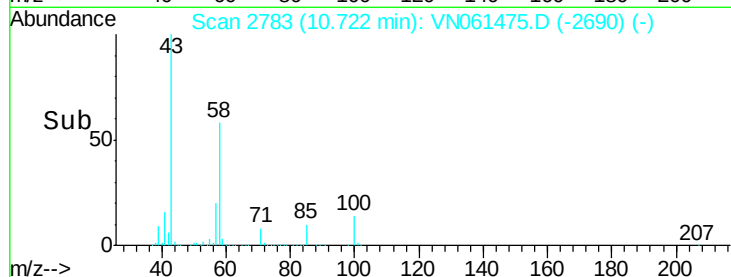
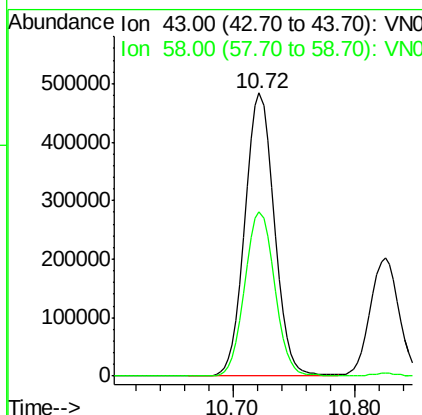
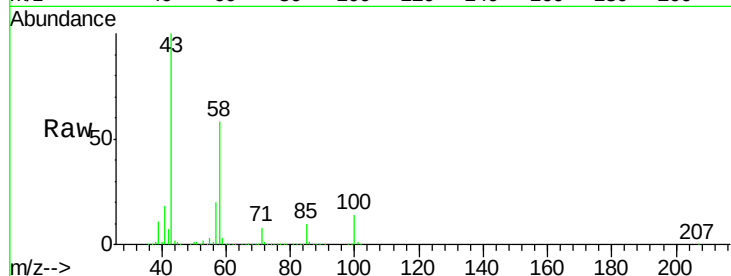




#59
2-Hexanone
Concen: 257.038 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

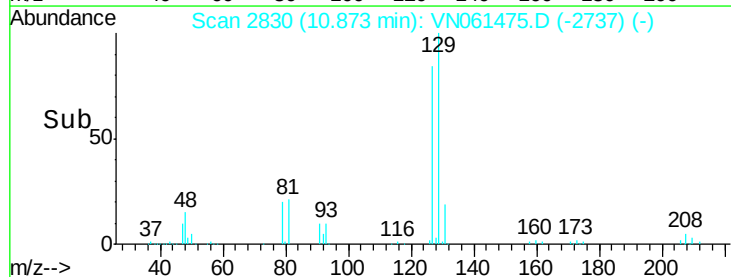
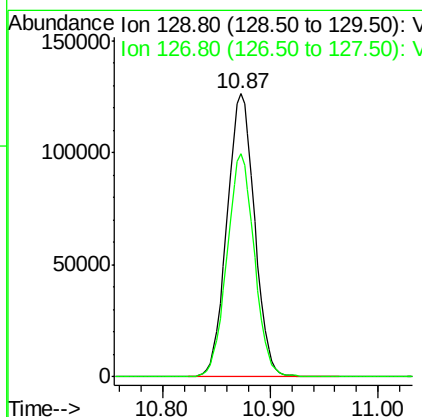
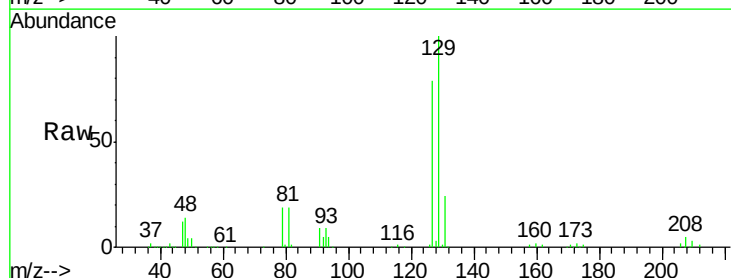
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

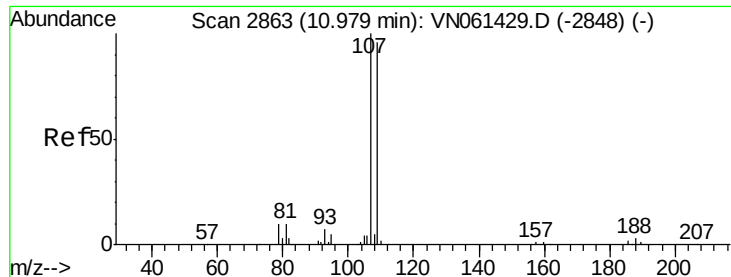
Tot Ion: 43 Resp: 800674
Ion Ratio Lower Upper
43 100
58 59.2 29.2 87.6



#60
Dibromochloromethane
Concen: 55.780 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

Tgt Ion: 129 Resp: 225522
Ion Ratio Lower Upper
129 100
127 78.1 38.8 116.3

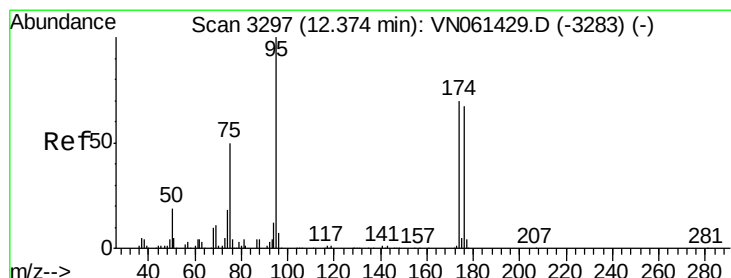
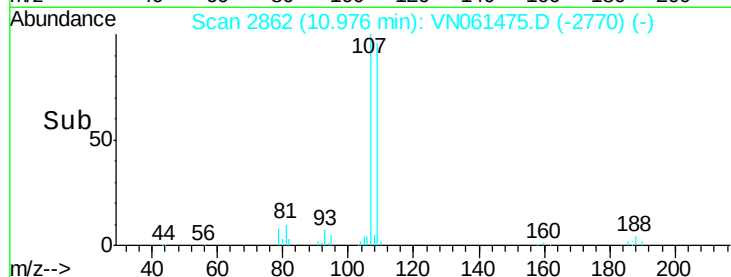
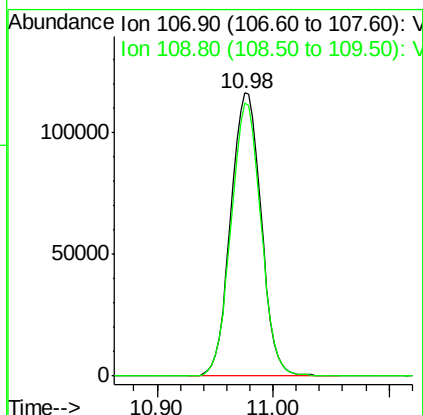
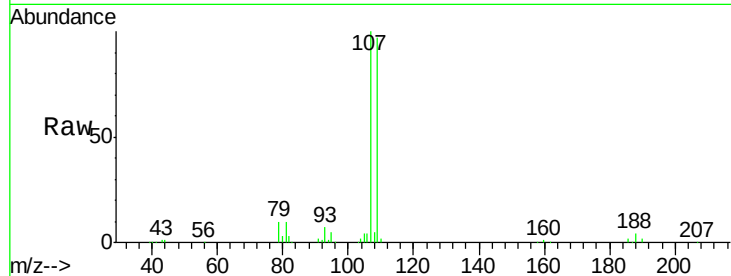




#61
 1,2-Dibromoethane
 Concen: 55.003 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

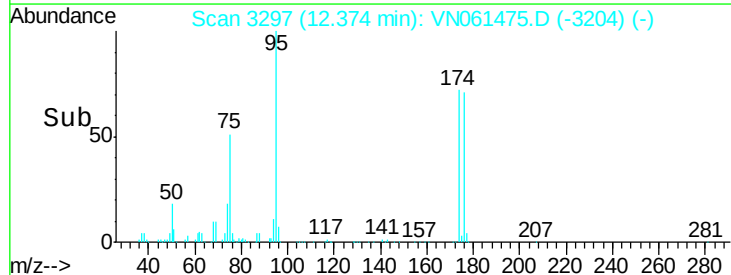
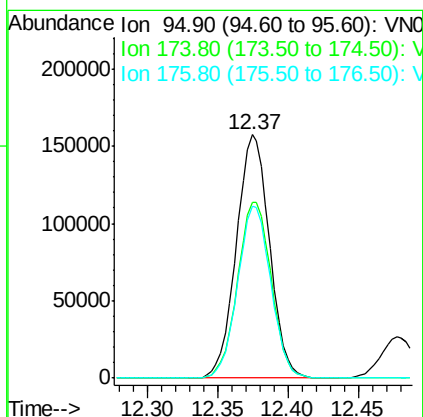
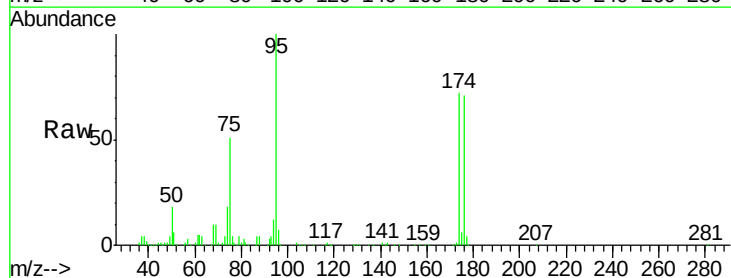
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

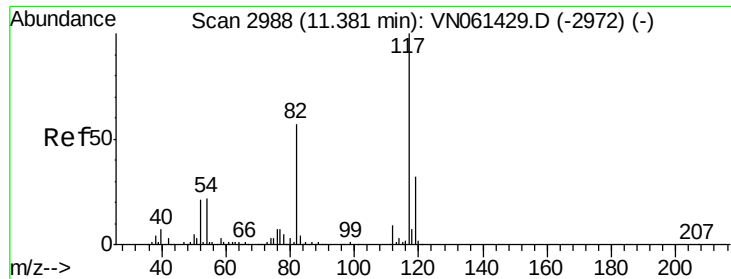
Tot Ion:107 Resp: 211378
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 53.590 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

Tgt Ion: 95 Resp: 259981
 Ion Ratio Lower Upper
 95 100
 174 73.5 0.0 141.2
 176 70.7 0.0 137.6

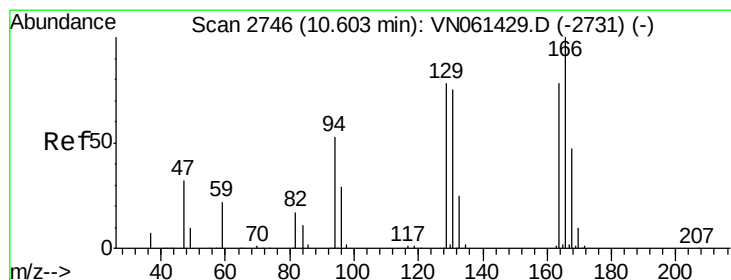
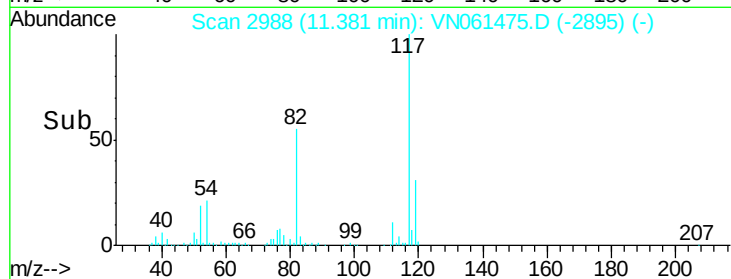
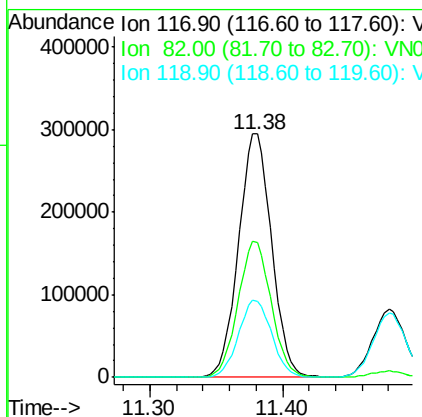
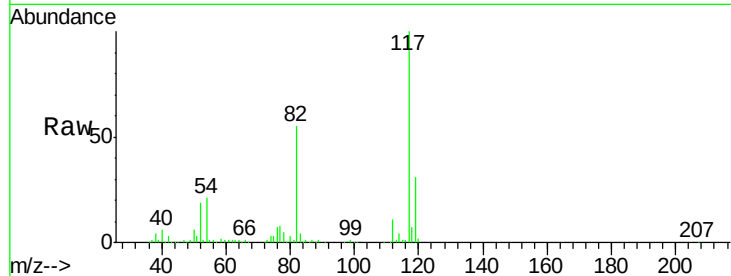




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

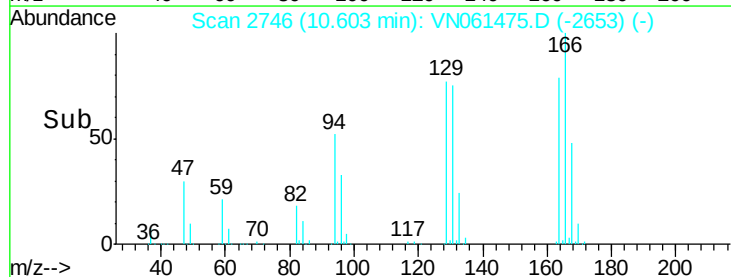
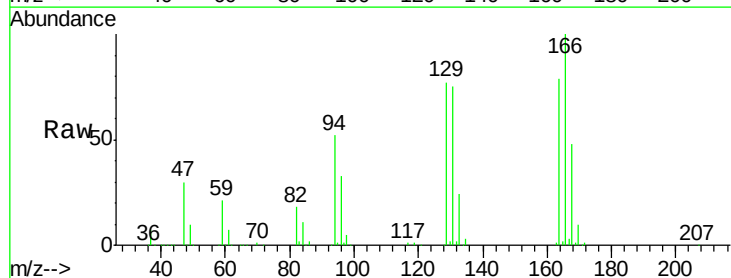
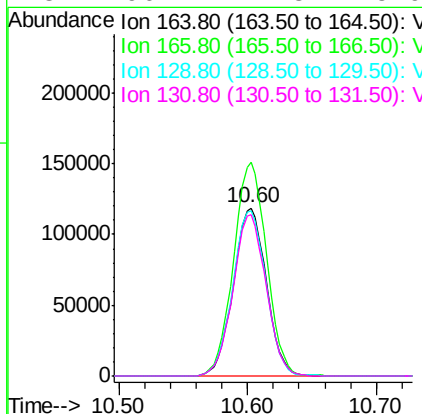
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

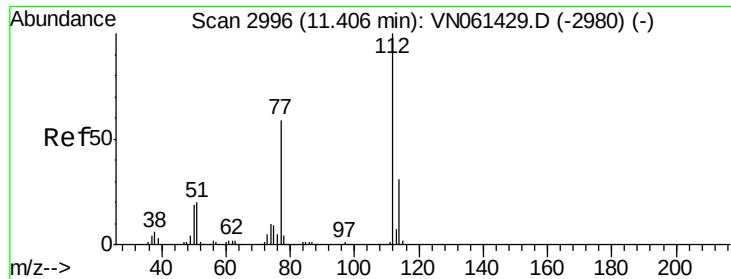
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.2	67.8
119	31.4	25.3	37.9



#64
Tetrachloroethene
Concen: 53.301 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	103.2	154.8
129	98.3	81.0	121.4
131	96.1	77.3	115.9

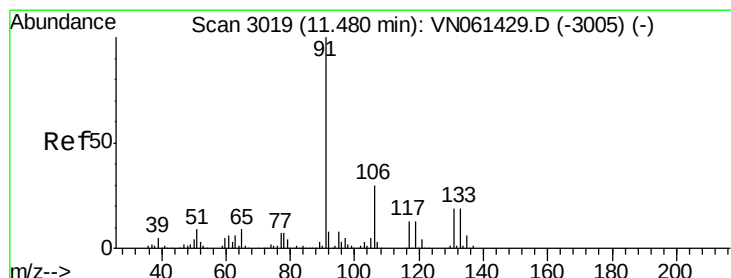
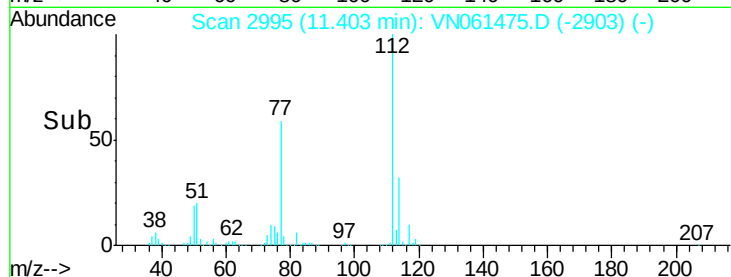
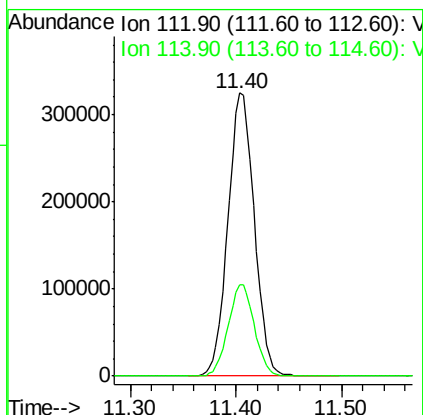
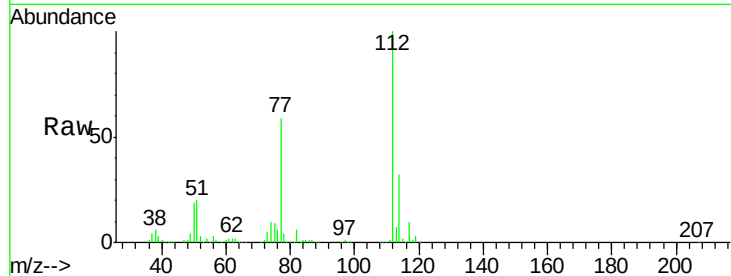




#65
Chlorobenzene
Concen: 53.839 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

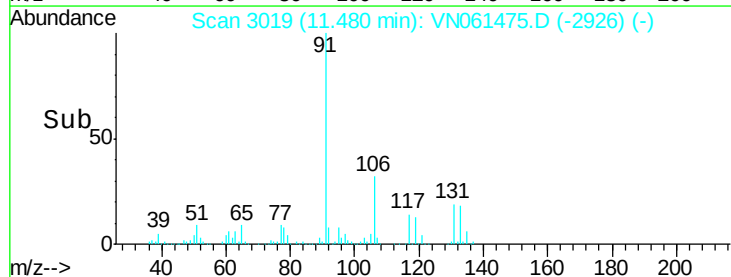
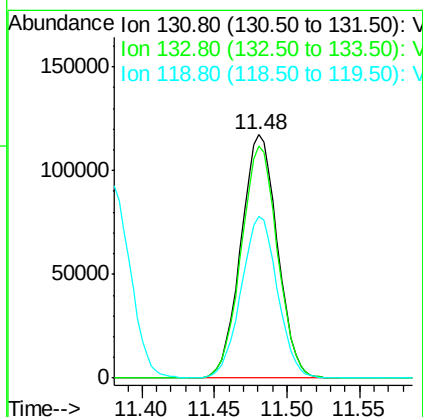
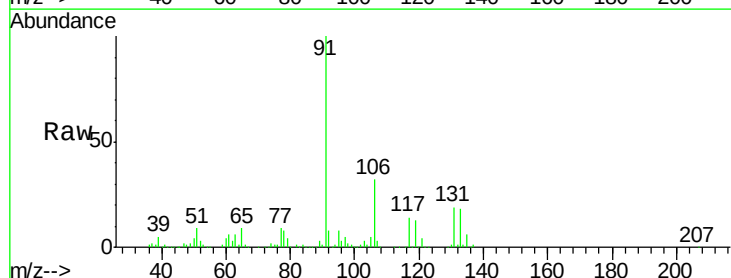
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

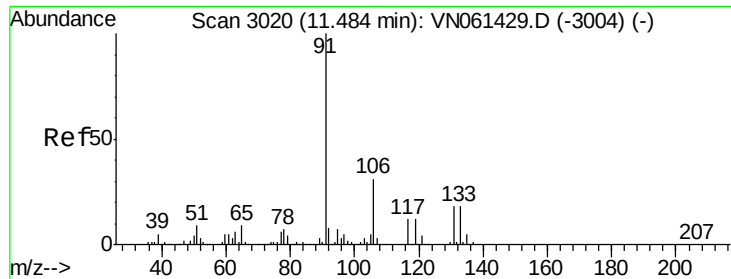
Tot Ion:112 Resp: 561245
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 54.958 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

Tgt Ion:131 Resp: 205387
Ion Ratio Lower Upper
131 100
133 95.2 48.7 146.1
119 66.2 33.8 101.3

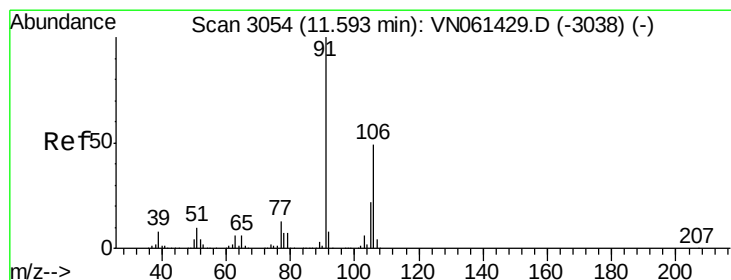
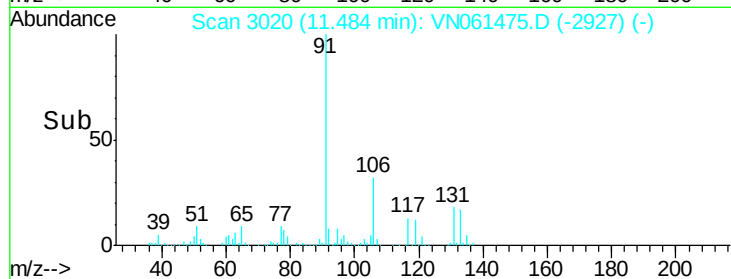
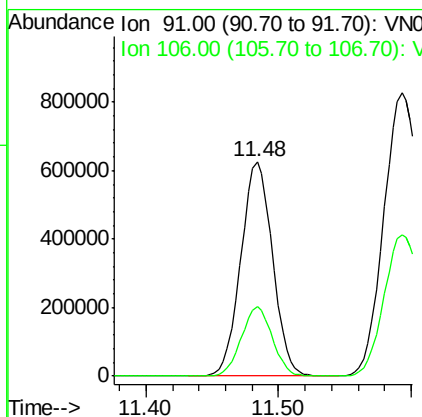
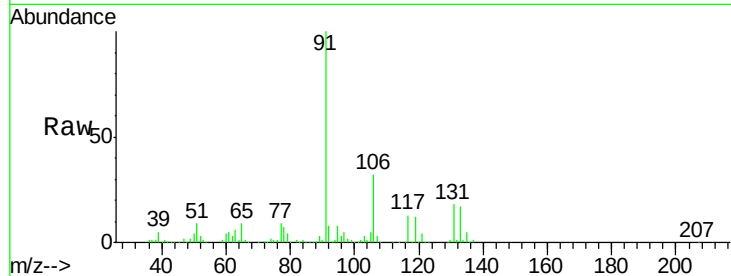




#67
Ethyl Benzene
Concen: 54.688 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

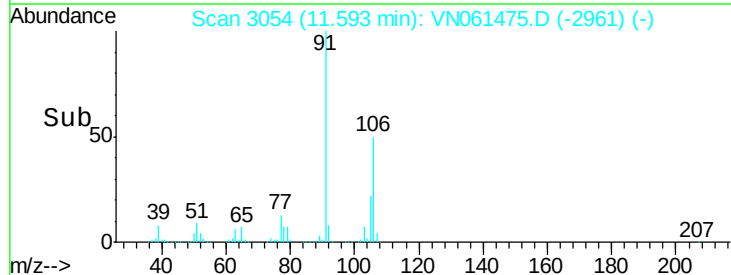
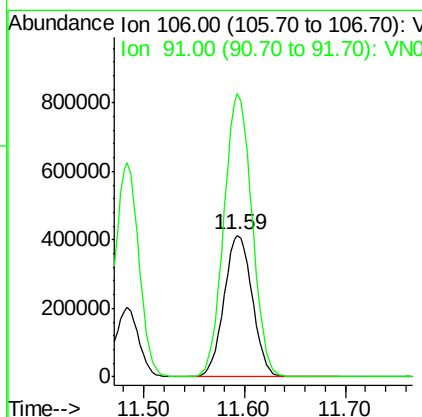
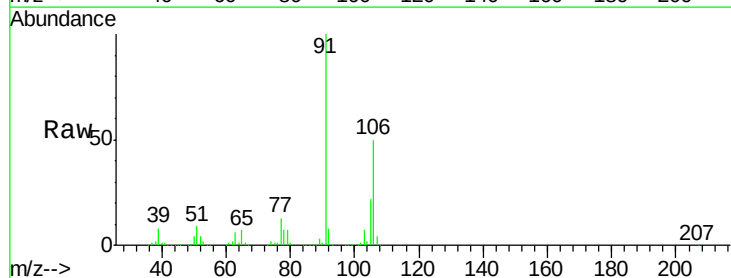
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

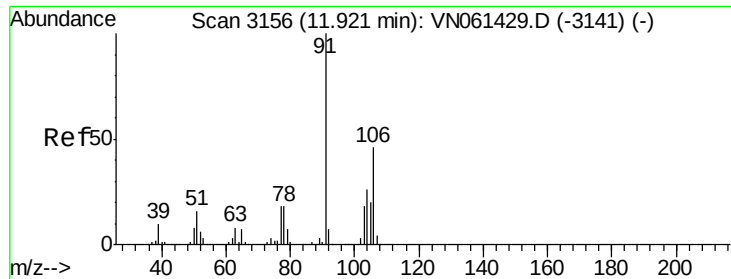
Tot Ion: 91 Resp: 1040635
Ion Ratio Lower Upper
91 100
106 32.2 24.6 36.8



#68
m/p-Xylenes
Concen: 111.629 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

Tgt Ion: 106 Resp: 806269
Ion Ratio Lower Upper
106 100
91 200.3 163.0 244.6

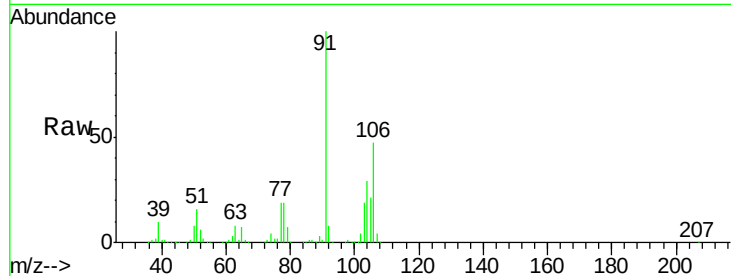




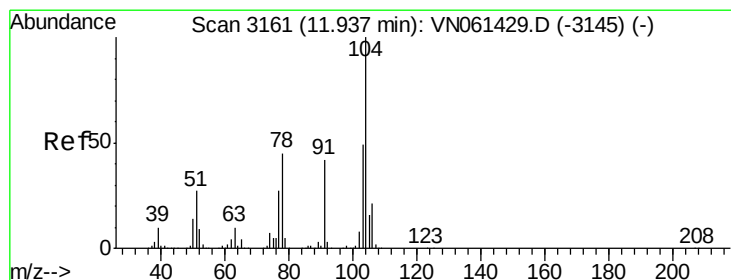
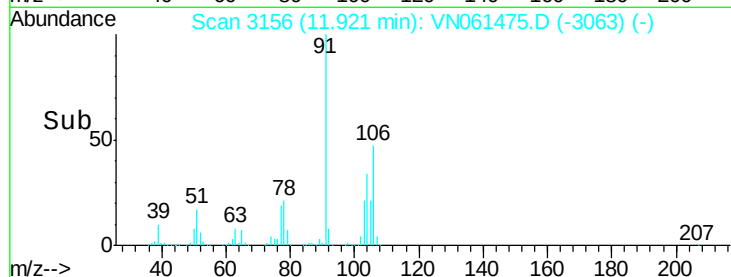
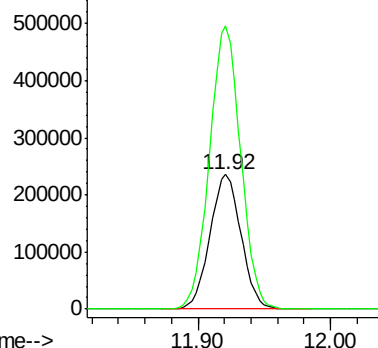
#69
o-Xylene
Concen: 54.871 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 383524
Ion Ratio Lower Upper
106 100
91 211.3 107.9 323.7

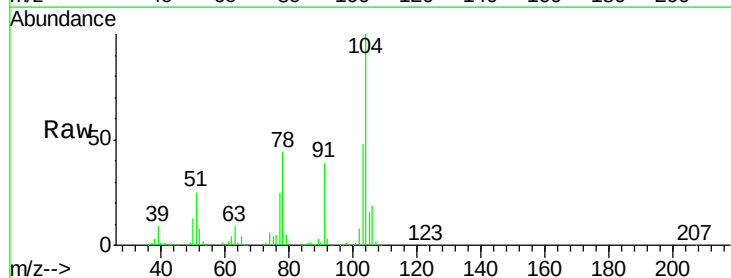


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

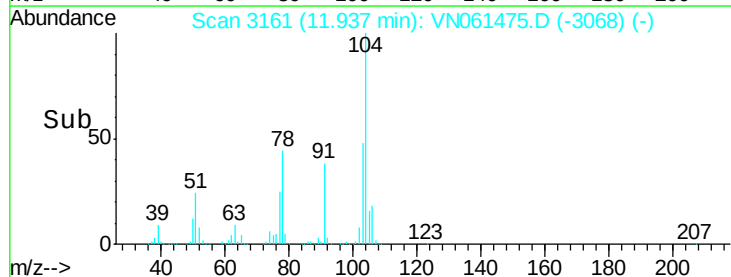
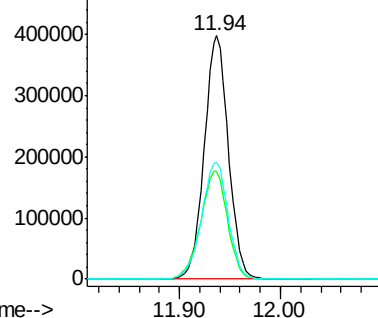


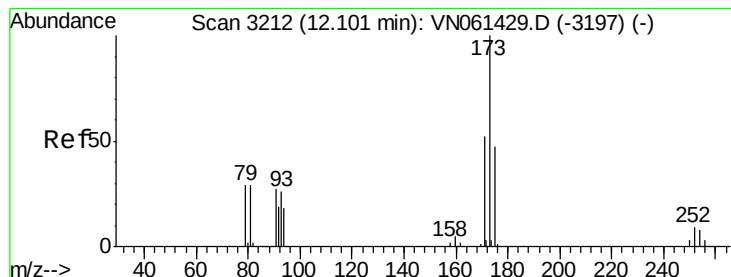
#70
Styrene
Concen: 57.276 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

Tgt Ion:104 Resp: 662941
Ion Ratio Lower Upper
104 100
78 49.6 40.7 61.1
103 52.8 43.0 64.4



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





#71

Bromoform

Concen: 50.162 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

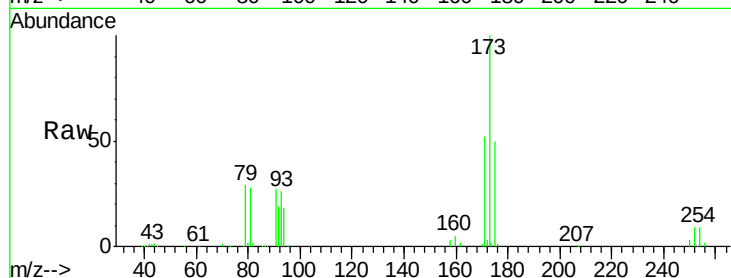
Tot Ion:173 Resp: 145796

Ion Ratio Lower Upper

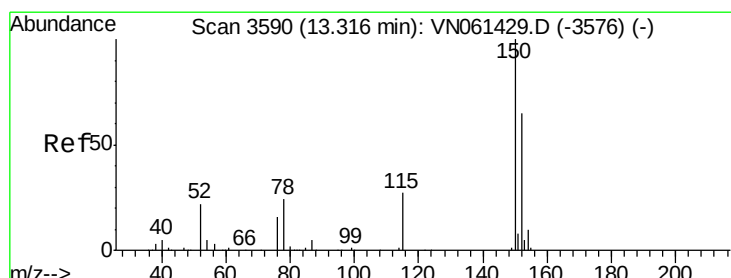
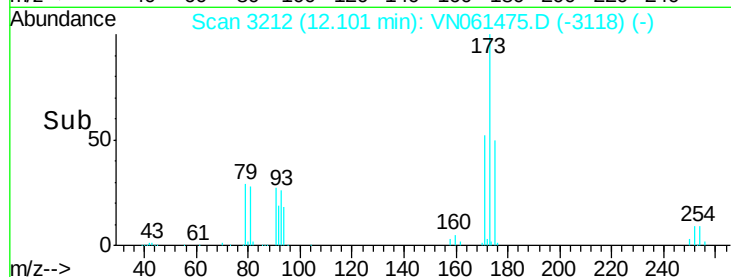
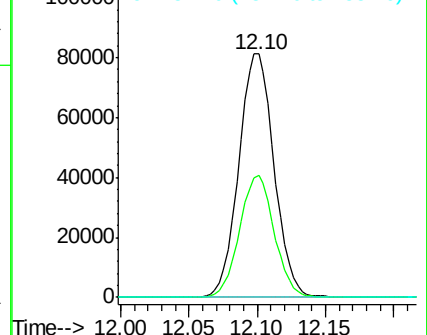
173 100

175 49.3 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: VN061475.D

Acq: 19 May 2020 11:28

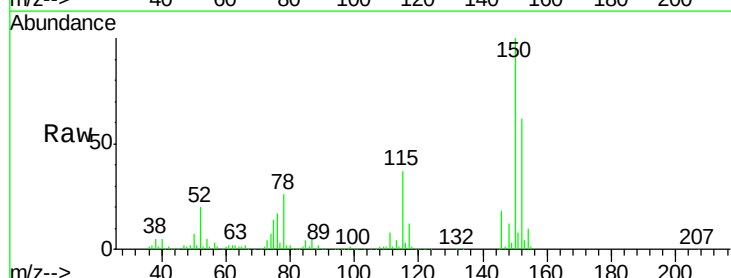
Tgt Ion:152 Resp: 251471

Ion Ratio Lower Upper

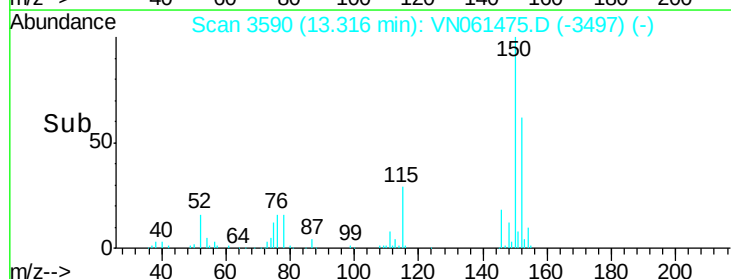
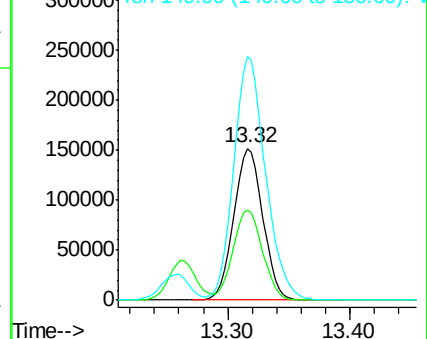
152 100

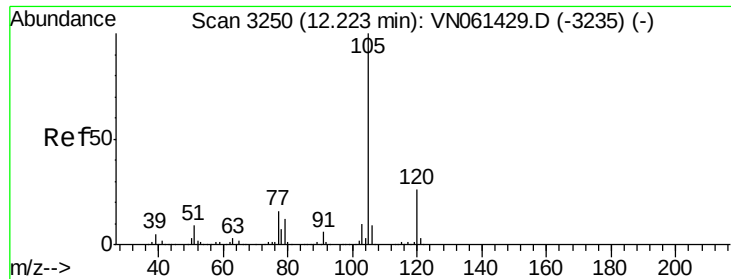
115 60.4 30.9 92.5

150 175.5 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: 49.557 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

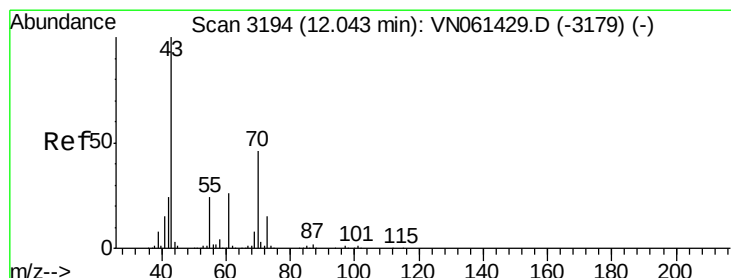
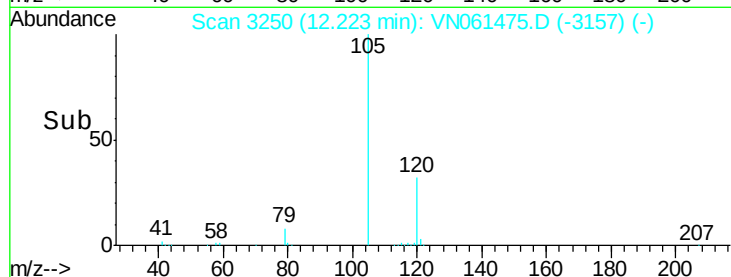
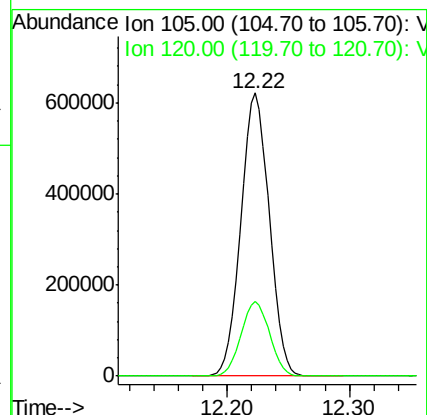
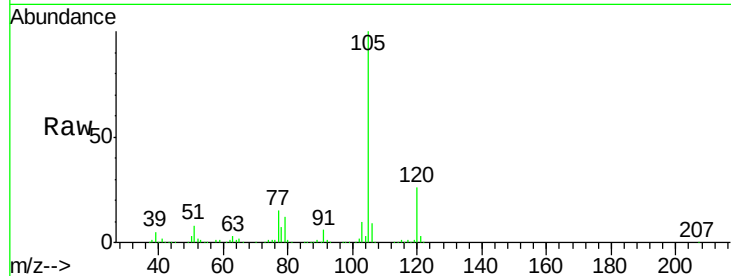
VSTDCCC050

Tot Ion:105 Resp: 1000462

Ion Ratio Lower Upper

105 100

120 26.5 13.0 39.0



#74

N-ethyl acetate

Concen: 46.835 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Tgt Ion: 43 Resp: 346088

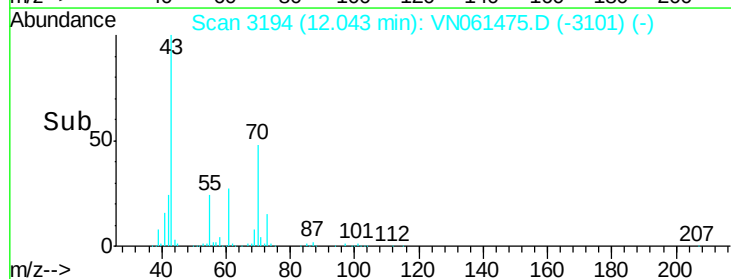
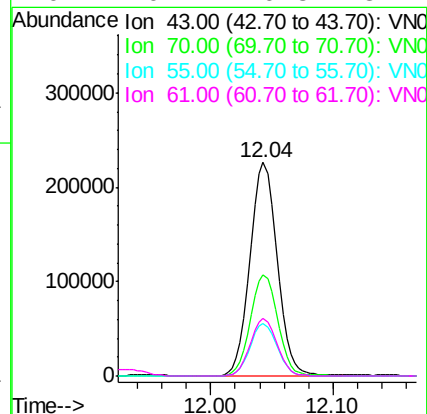
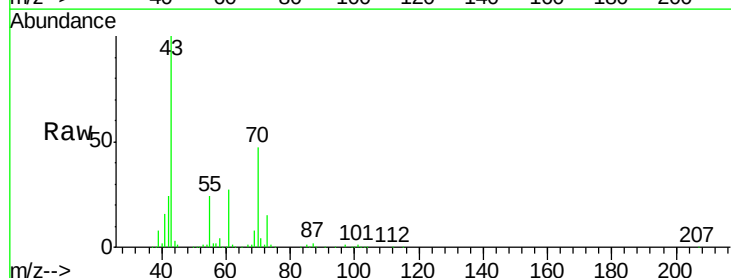
Ion Ratio Lower Upper

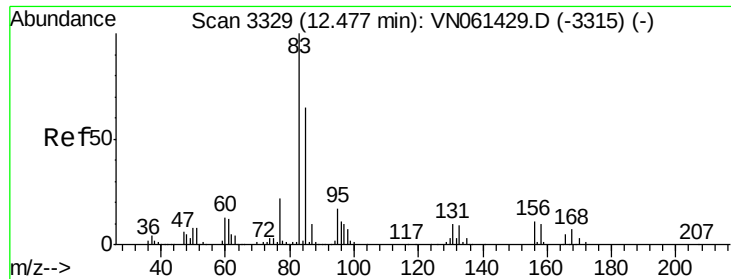
43 100

70 47.9 37.0 55.4

55 24.9 19.5 29.3

61 26.7 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.356 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

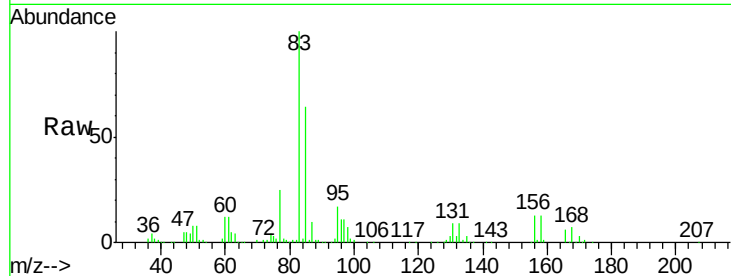
Tot Ion: 83 Resp: 268580

Ion Ratio Lower Upper

83 100

131 10.1 4.8 14.4

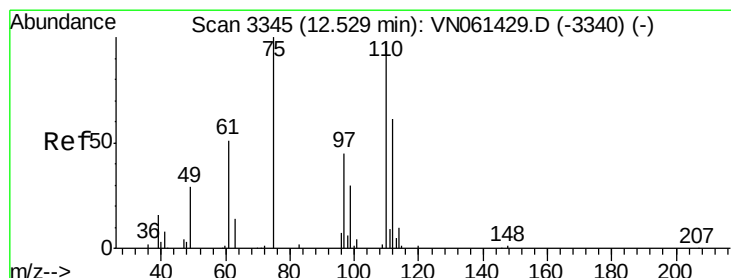
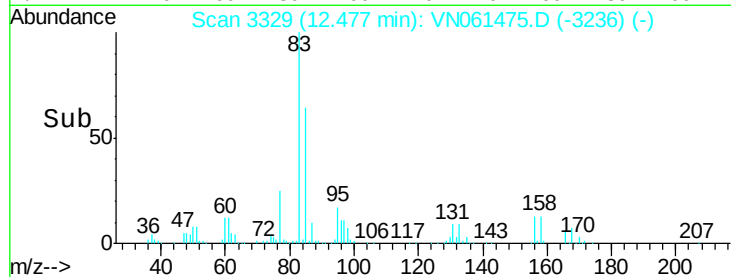
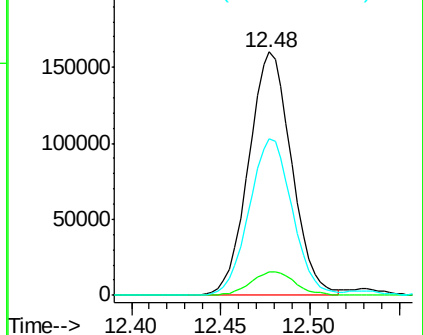
85 64.8 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 67.656 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN061475.D

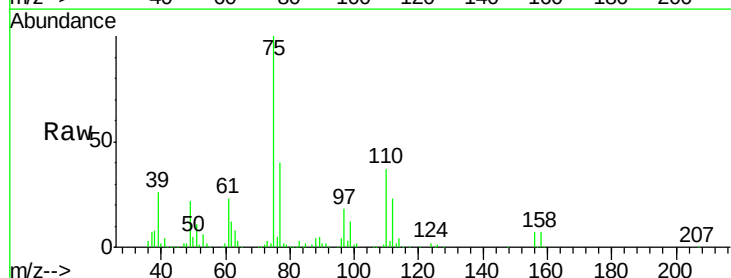
Acq: 19 May 2020 11:28

Tgt Ion: 75 Resp: 365067

Ion Ratio Lower Upper

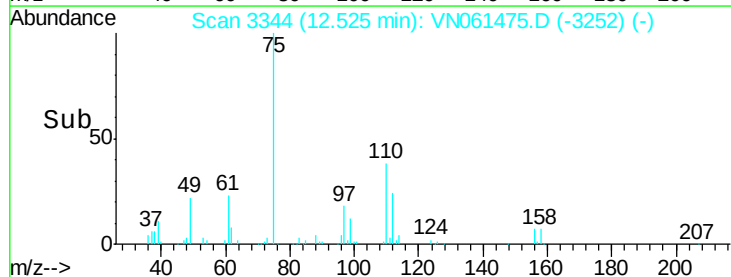
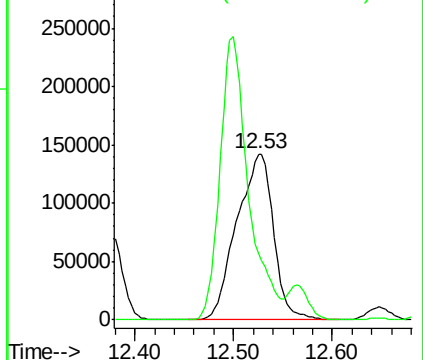
75 100

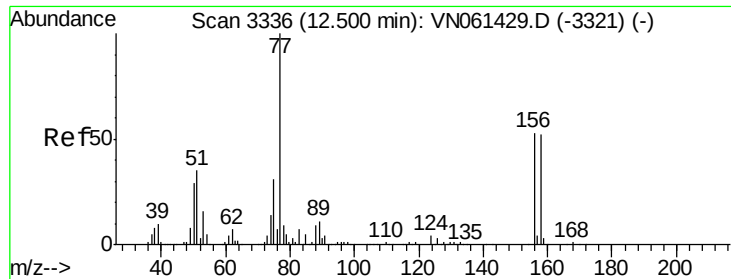
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 52.991 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

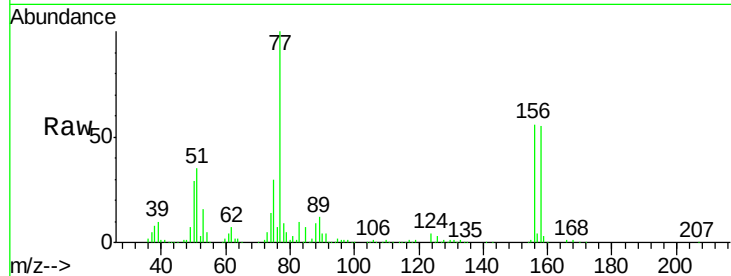
Tot Ion:156 Resp: 232168

Ion Ratio Lower Upper

156 100

77 210.7 112.3 336.9

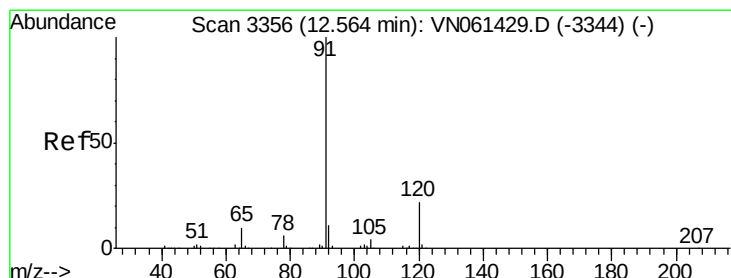
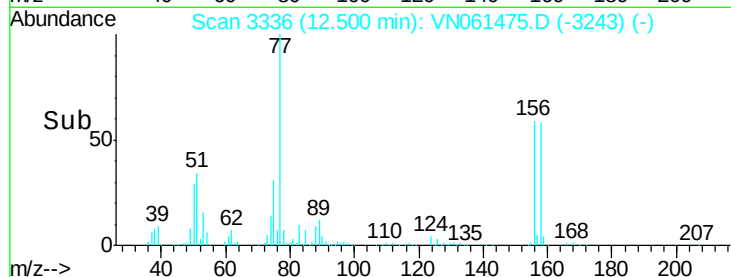
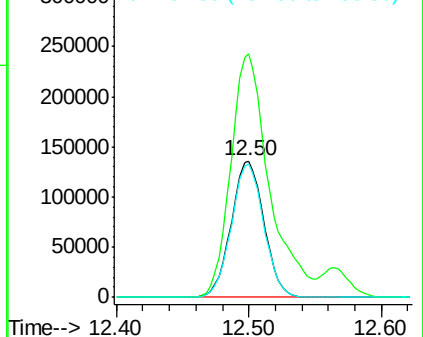
158 97.3 47.9 143.6



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: 49.962 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061475.D

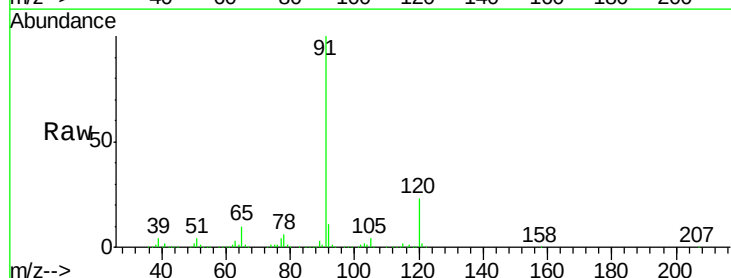
Acq: 19 May 2020 11:28

Tgt Ion: 91 Resp: 1149226

Ion Ratio Lower Upper

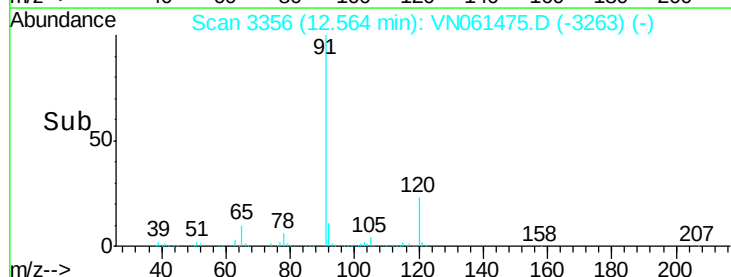
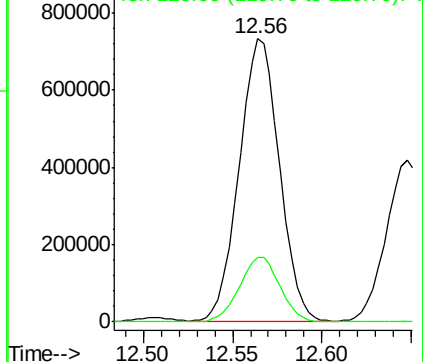
91 100

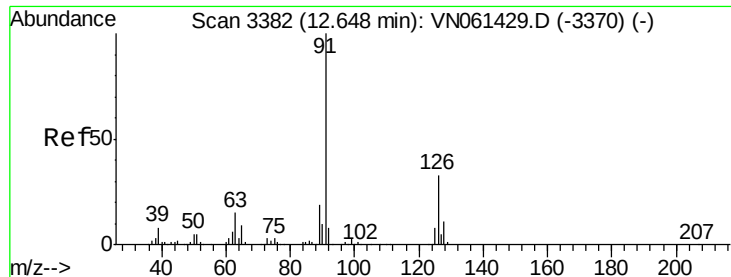
120 23.1 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.880 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

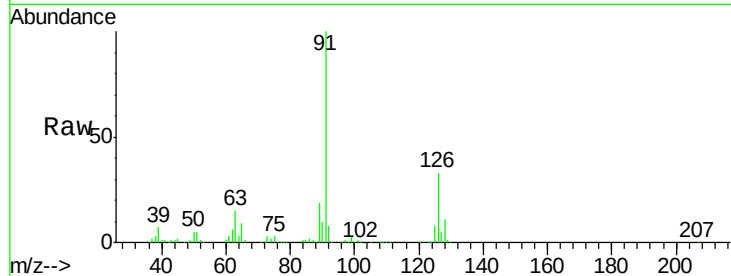
VSTDCCC050

Tot Ion: 91 Resp: 678171

Ion Ratio Lower Upper

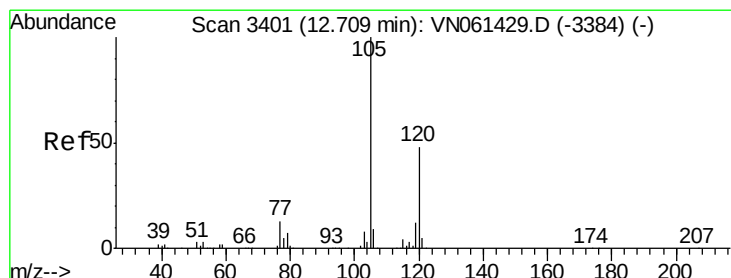
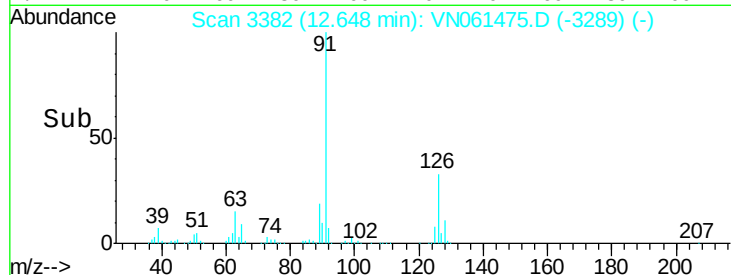
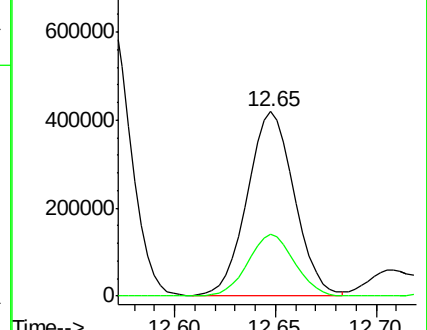
91 100

126 33.6 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061429.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.618 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061475.D

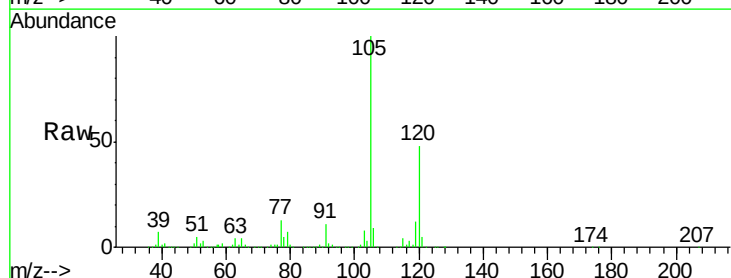
Acq: 19 May 2020 11:28

Tgt Ion: 105 Resp: 836696

Ion Ratio Lower Upper

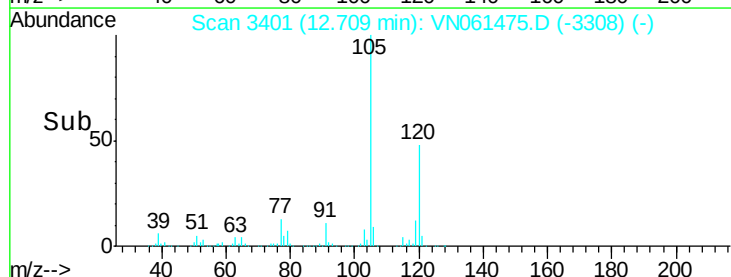
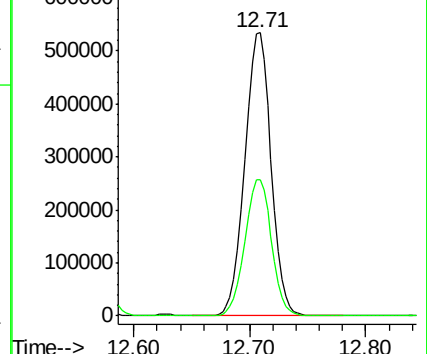
105 100

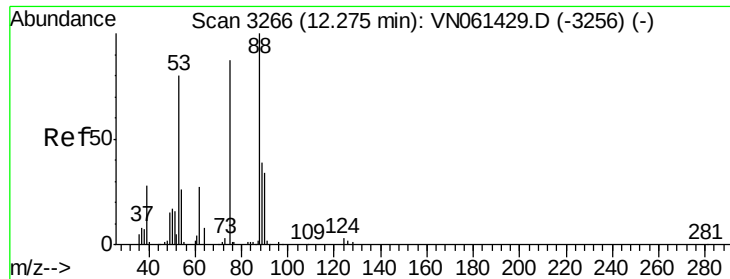
120 48.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061429.D (-3384) (-)

Ion 120.00 (119.70 to 120.70): VN061429.D (-3384) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.645 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

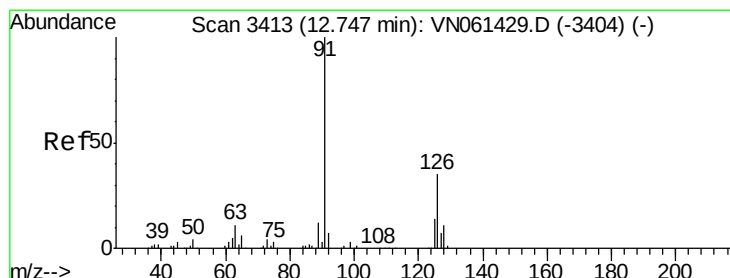
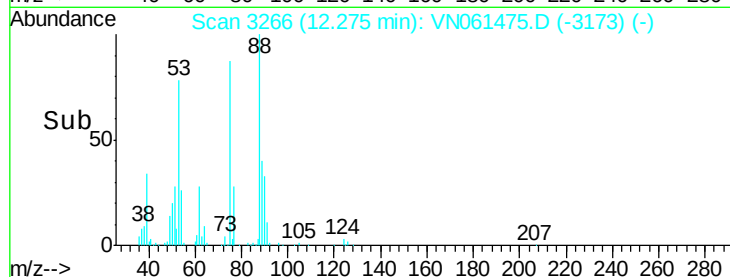
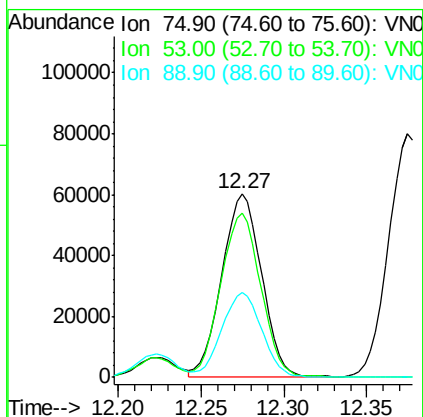
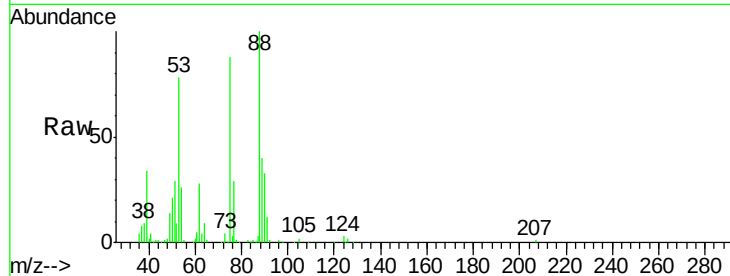
Tot Ion: 75 Resp: 100982

Ion Ratio Lower Upper

75 100

53 90.4 75.2 112.8

89 46.1 38.2 57.4



#82

4-Chlorotoluene

Concen: 51.657 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061475.D

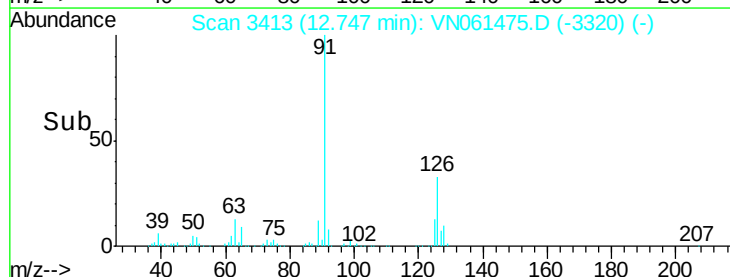
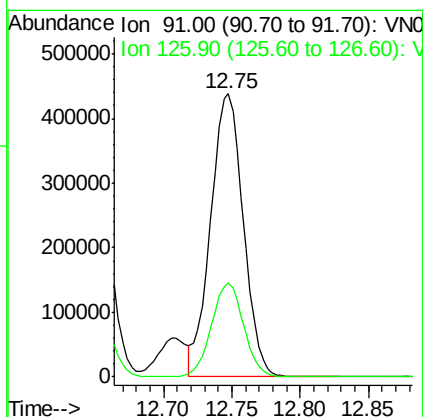
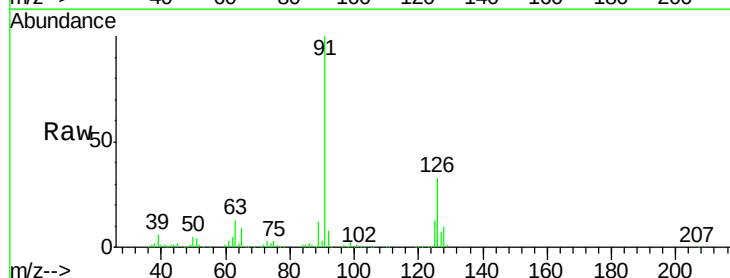
Acq: 19 May 2020 11:28

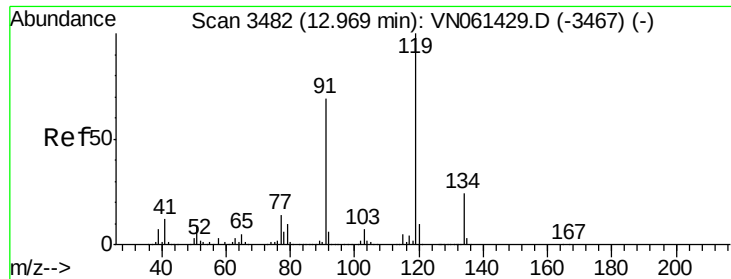
Tgt Ion: 91 Resp: 727234

Ion Ratio Lower Upper

91 100

126 32.6 16.1 48.2

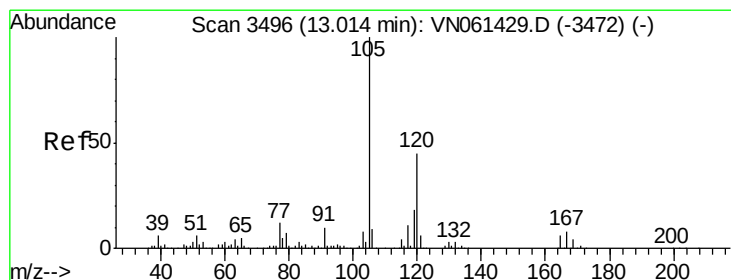
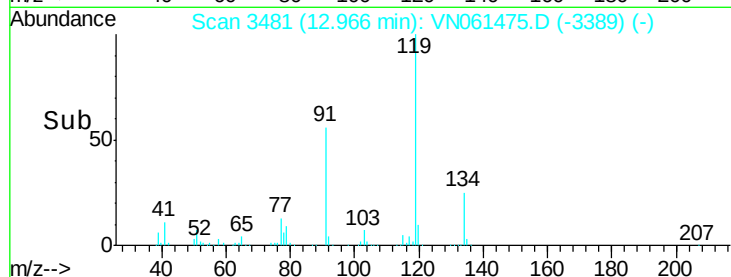
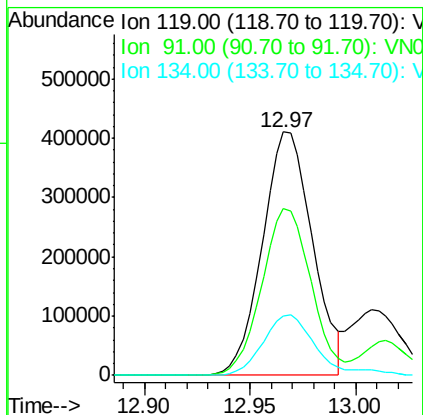
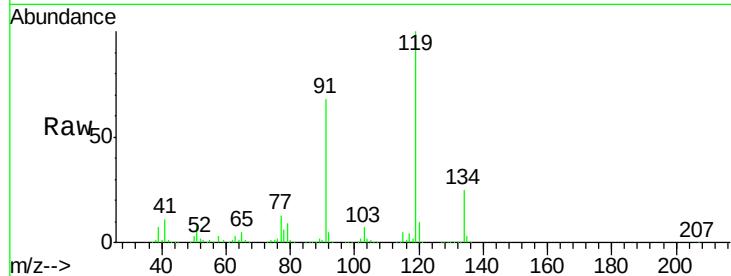




#83
 tert-Butylbenzene
 Concen: 47.942 ug/l
 RT: 12.97 min Scan# 3481
 Delta R.T. -0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

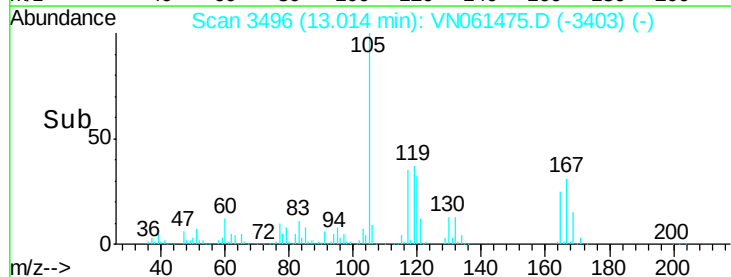
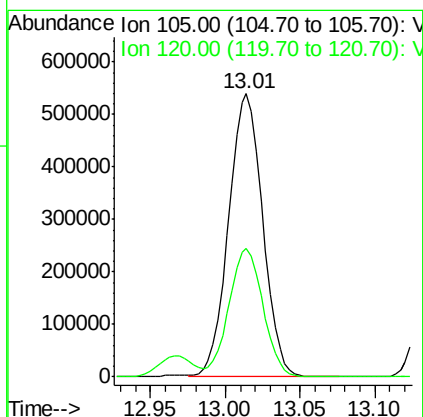
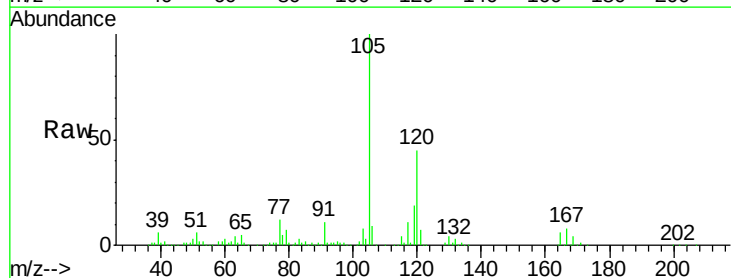
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

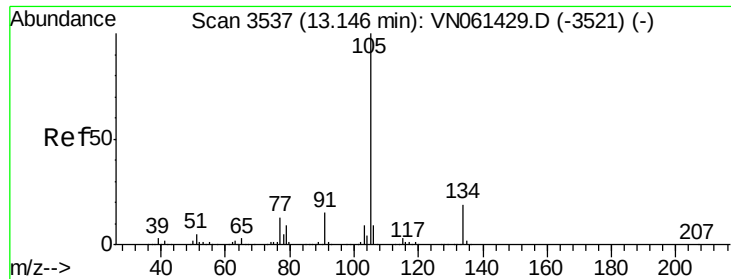
Tot Ion:119 Resp: 678808
 Ion Ratio Lower Upper
 119 100
 91 67.5 33.7 101.0
 134 26.5 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 51.575 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

Tgt Ion:105 Resp: 853188
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.4 67.3





#85

sec-Butylbenzene

Concen: 47.455 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

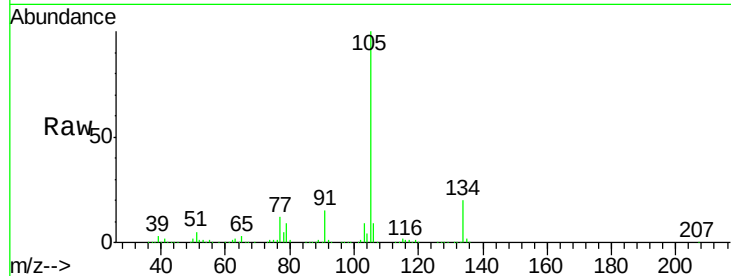
VSTDCCC050

Tot Ion:105 Resp: 908562

Ion Ratio Lower Upper

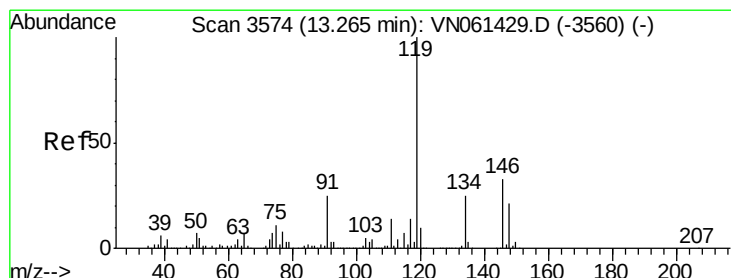
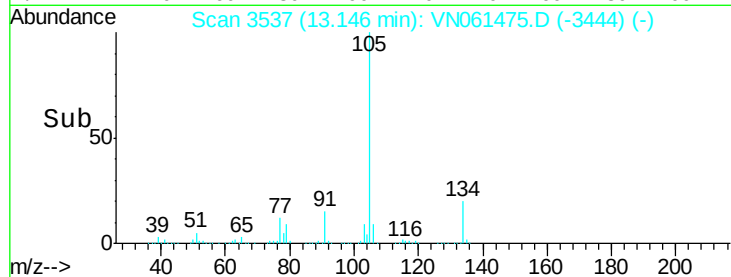
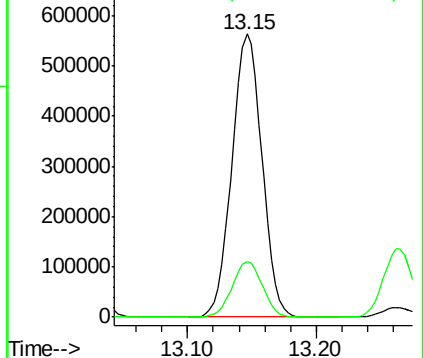
105 100

134 19.8 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.377 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

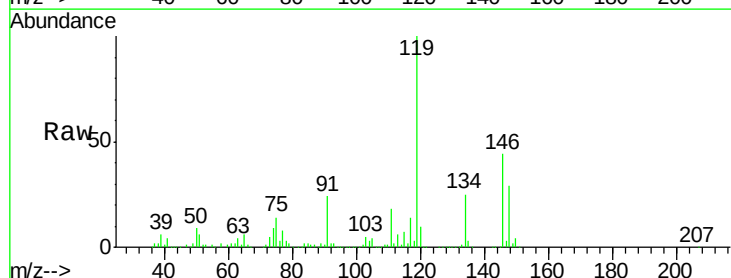
Tgt Ion:119 Resp: 839462

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

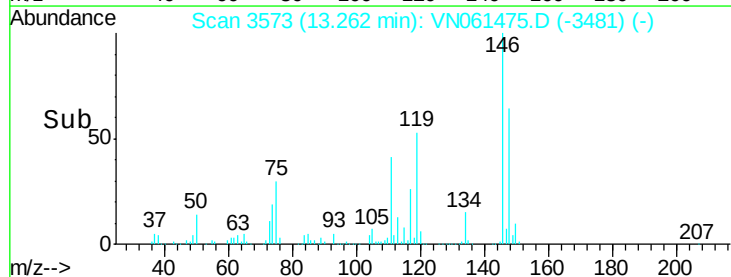
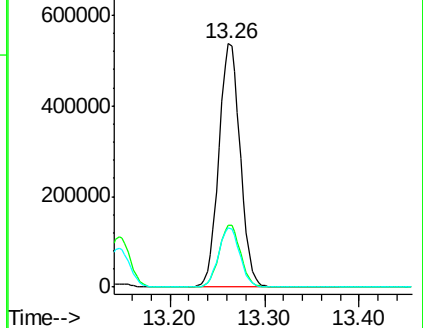
91 24.2 12.6 37.6

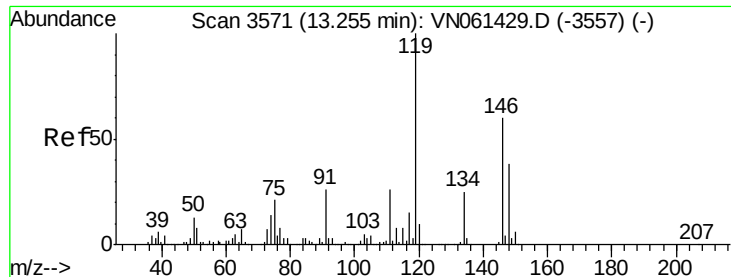


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

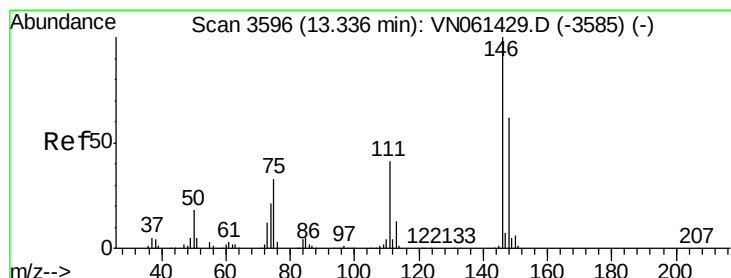
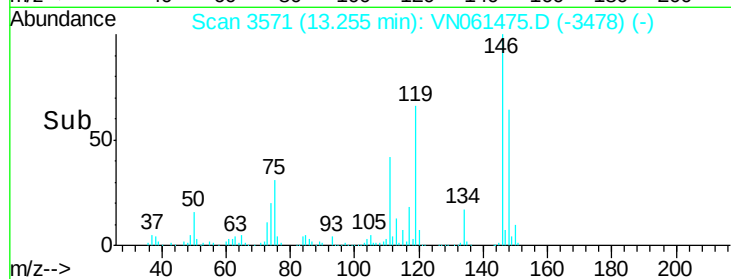
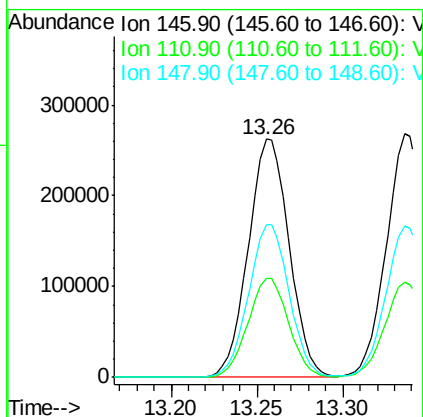
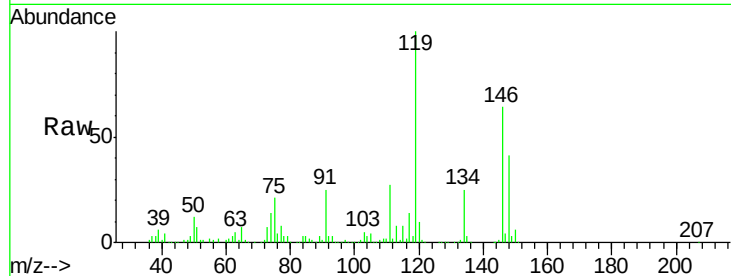




#87
 1,3-Dichlorobenzene
 Concen: 53.956 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

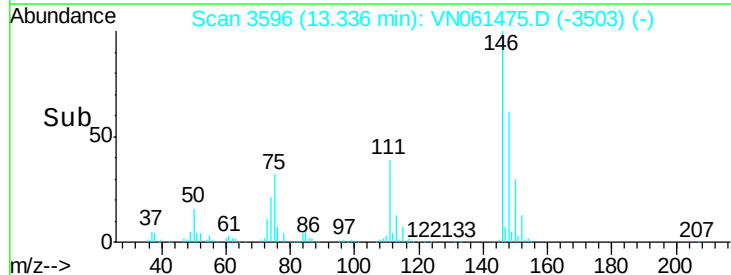
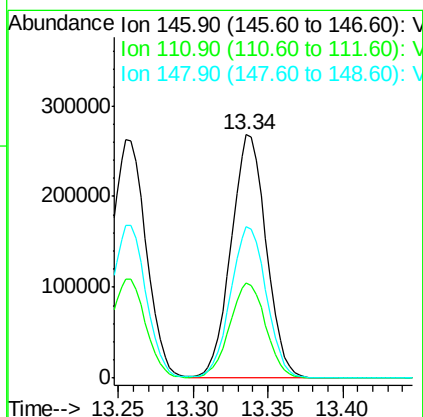
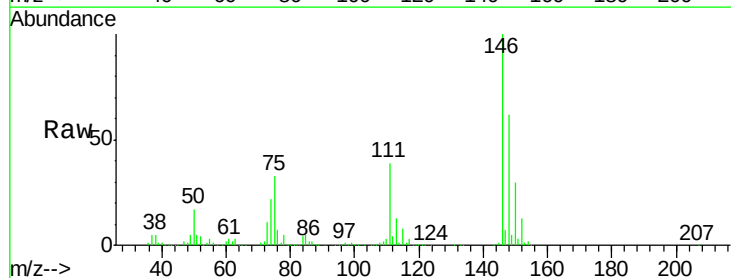
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

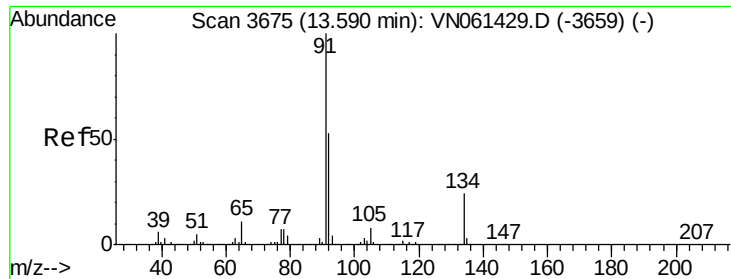
Tot Ion:146 Resp: 432632
 Ion Ratio Lower Upper
 146 100
 111 41.4 21.5 64.5
 148 63.7 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 54.632 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

Tgt Ion:146 Resp: 438697
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.8 62.5
 148 63.3 31.6 94.8

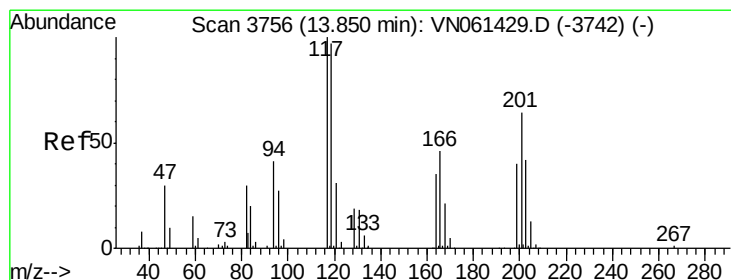
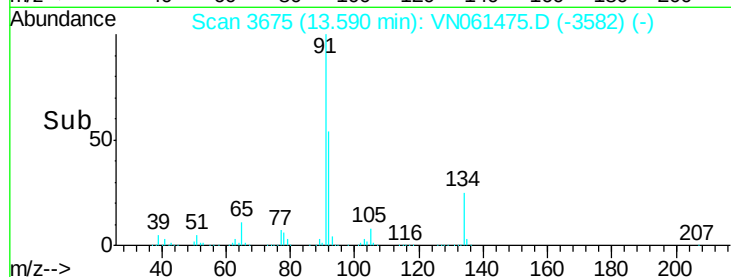
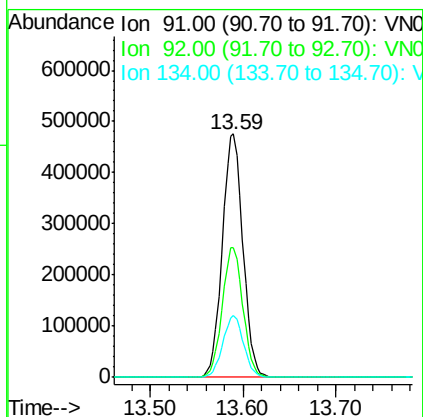
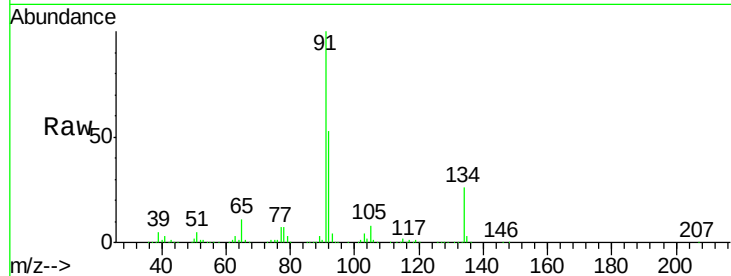




#89
n-Butylbenzene
Concen: 47.365 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

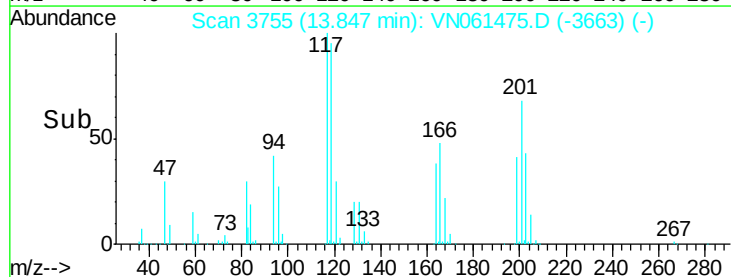
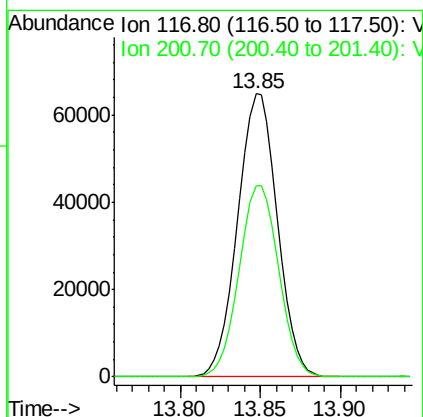
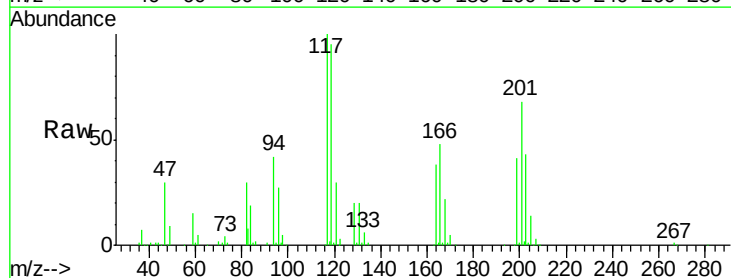
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

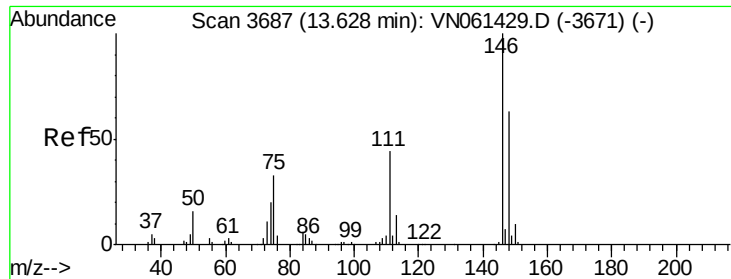
Tot Ion: 91 Resp: 731580
Ion Ratio Lower Upper
91 100
92 53.6 26.8 80.3
134 25.6 12.4 37.4



#90
Hexachloroethane
Concen: 47.609 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061475.D
Acq: 19 May 2020 11:28

Tgt Ion: 117 Resp: 109697
Ion Ratio Lower Upper
117 100
201 67.4 32.9 98.7

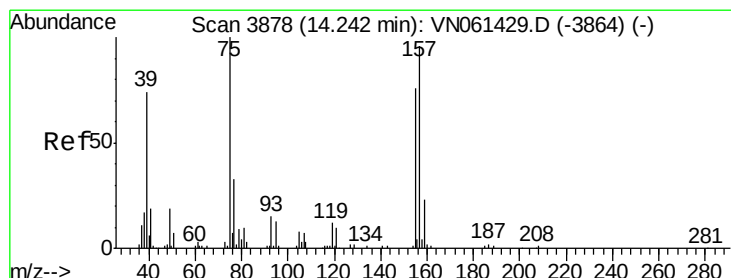
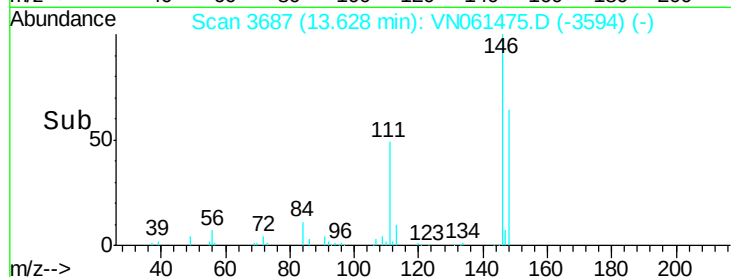
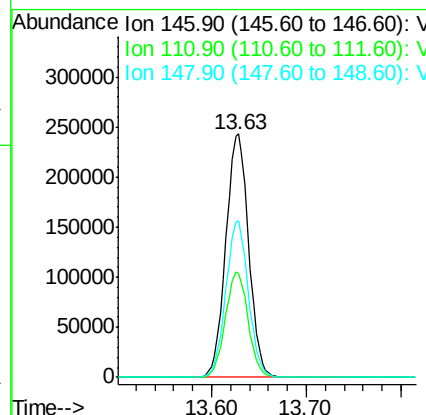
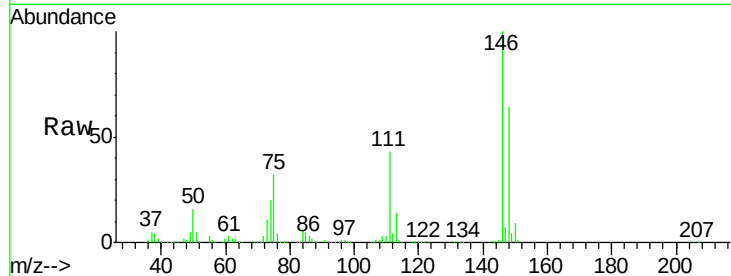




#91
 1,2-Dichlorobenzene
 Concen: 52.990 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

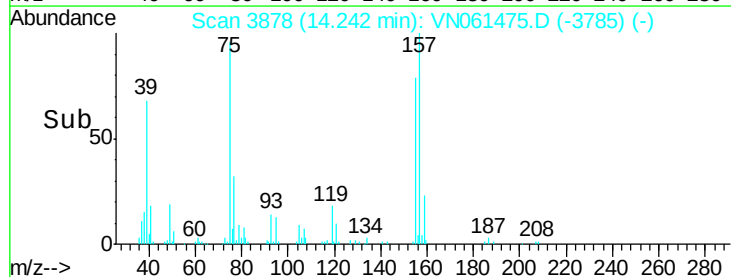
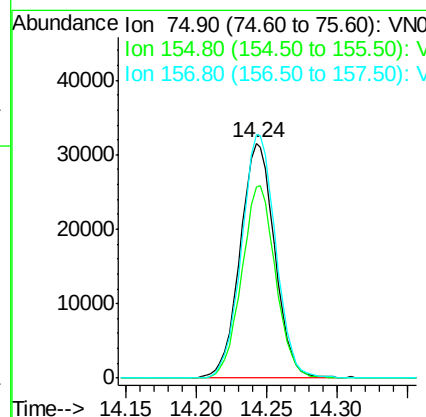
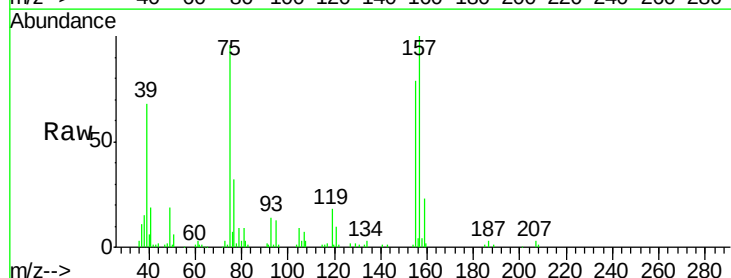
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

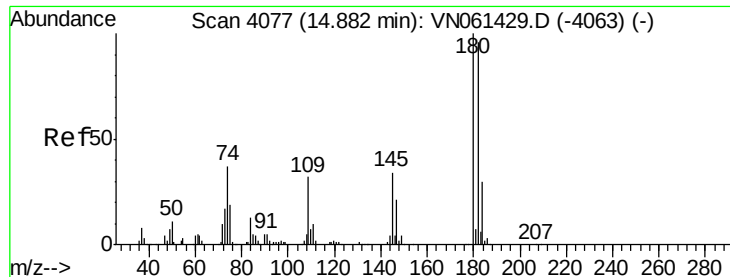
Tot Ion:146 Resp: 407566
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.9 65.7
 148 63.7 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.359 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. 0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

Tgt Ion: 75 Resp: 54257
 Ion Ratio Lower Upper
 75 100
 155 80.0 38.9 116.7
 157 102.4 48.6 145.8

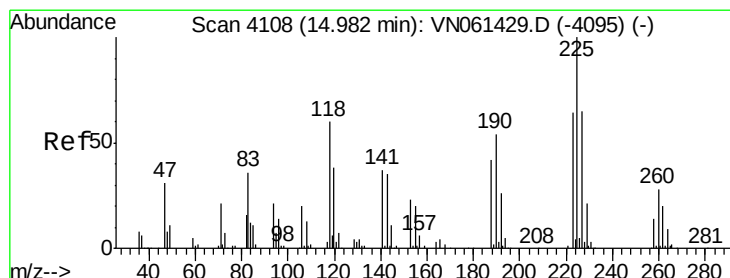
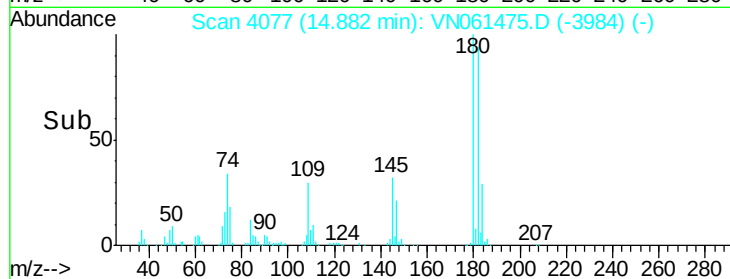
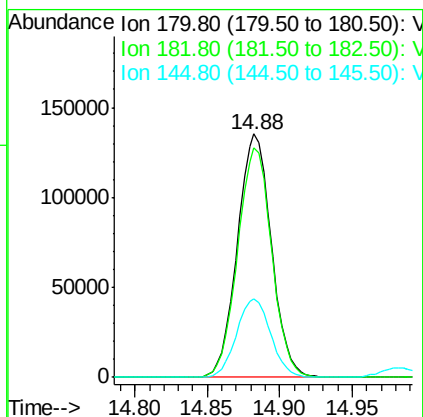
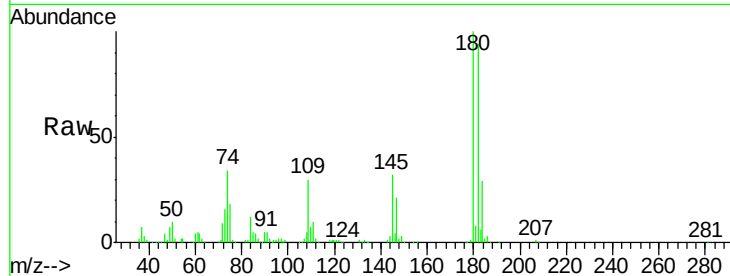




#93
 1,2,4-Trichlorobenzene
 Concen: 52.814 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

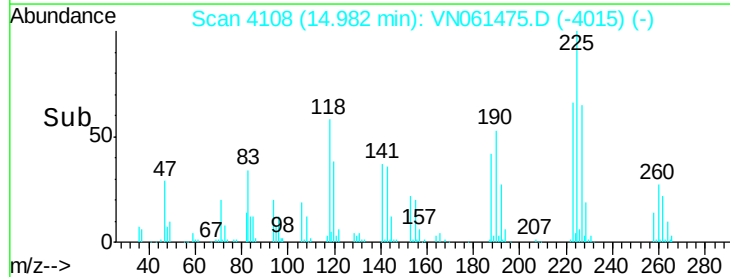
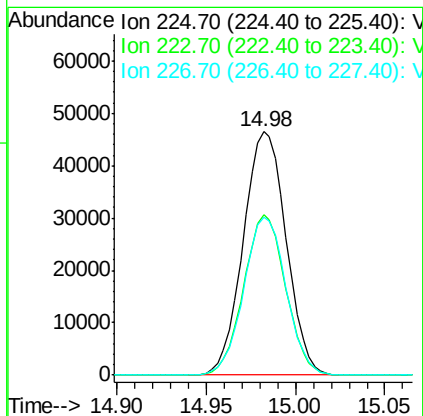
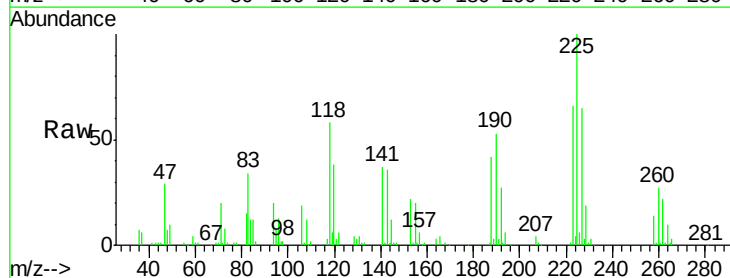
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

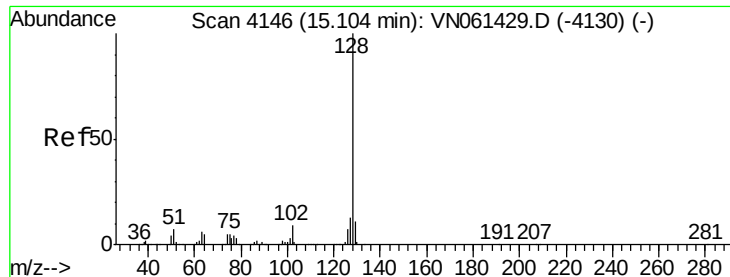
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.0	141.0
145	32.6	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 42.105 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN061475.D
 Acq: 19 May 2020 11:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.9	95.7
227	63.8	31.5	94.5





#95

Naphthalene

Concen: 53.697 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

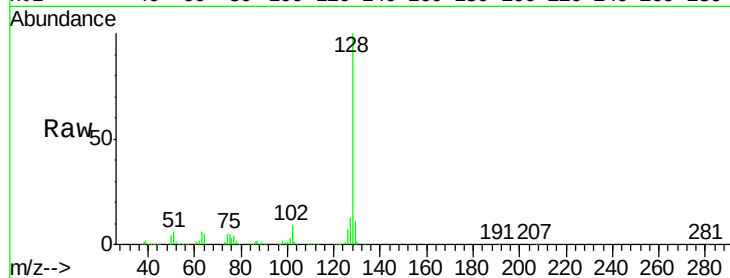
Tot Ion:128 Resp: 711931

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

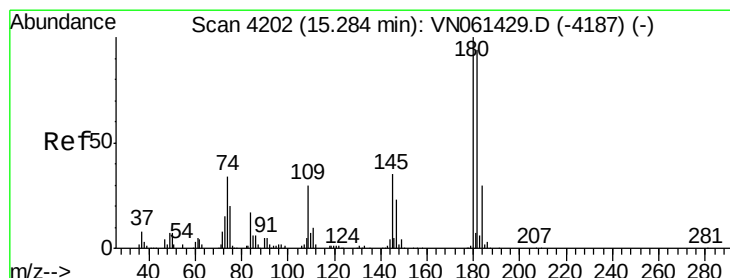
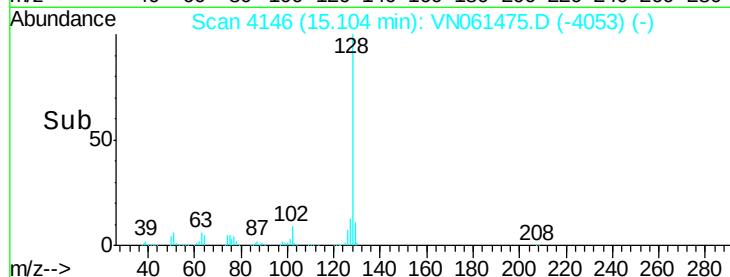
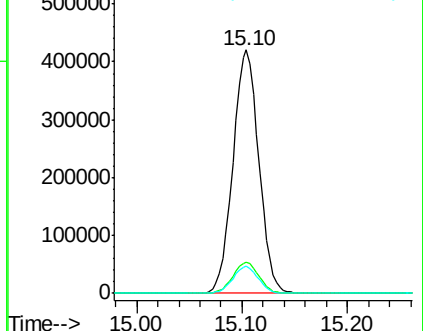
129 10.8 8.6 13.0



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: 49.515 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061475.D

Acq: 19 May 2020 11:28

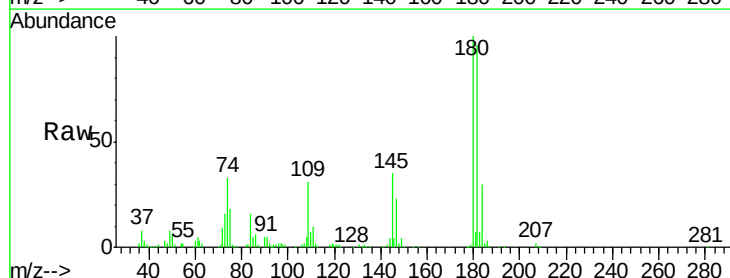
Tgt Ion:180 Resp: 205569

Ion Ratio Lower Upper

180 100

182 94.4 47.8 143.3

145 35.0 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

