

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060420\
 Data File : VN061644.D
 Acq On : 4 Jun 2020 11:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 05 07:35:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	337953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	532618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	516224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	266932	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	213770	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
35) Dibromofluoromethane	7.54	113	162139	60.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.02%	
50) Toluene-d8	10.06	98	735797	58.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.54%	
62) 4-Bromofluorobenzene	12.37	95	271573	59.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	197226	50.533	ug/l	98
3) Chloromethane	2.03	50	206332	50.057	ug/l	98
4) Vinyl Chloride	2.16	62	286976	50.805	ug/l	99
5) Bromomethane	2.53	94	175236	54.065	ug/l	99
6) Chloroethane	2.67	64	186376	51.261	ug/l	99
7) Trichlorofluoromethane	2.98	101	384972	52.852	ug/l	99
8) Diethyl Ether	3.37	74	107610	48.314	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	172858	53.478	ug/l	99
10) Methyl Iodide	3.91	142	223463	49.802	ug/l	99
11) Tert butyl alcohol	4.73	59	132299	247.024	ug/l	100
12) 1,1-Dichloroethene	3.69	96	168418	48.770	ug/l	97
13) Acrolein	3.56	56	42622	278.175	ug/l	96
14) Allyl chloride	4.27	41	216205	47.889	ug/l	98
15) Acrylonitrile	4.93	53	361390	241.751	ug/l	99
16) Acetone	3.77	43	282254	254.463	ug/l	100
17) Carbon Disulfide	4.01	76	360071	47.393	ug/l	100
18) Methyl Acetate	4.27	43	169407	46.476	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	574546	48.818	ug/l	98
20) Methylene Chloride	4.50	84	196216	53.745	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	195067	50.089	ug/l	94
22) Diisopropyl ether	5.90	45	493788	49.625	ug/l	99
23) Vinyl Acetate	5.84	43	1821044	229.618	ug/l	98
24) 1,1-Dichloroethane	5.80	63	317209	50.273	ug/l	100
25) 2-Butanone	6.78	43	440261	230.712	ug/l	99
26) 2,2-Dichloropropane	6.77	77	300785	52.083	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	229469	52.035	ug/l	99
28) Bromochloromethane	7.15	49	132498	56.106	ug/l	96
29) Tetrahydrofuran	7.16	42	285539	226.916	ug/l	99
30) Chloroform	7.33	83	359224	51.460	ug/l	100
31) Cyclohexane	7.61	56	270868	47.733	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	325670	51.200	ug/l	100
36) 1,1-Dichloropropene	7.75	75	259693	55.077	ug/l	99
37) Ethyl Acetate	6.88	43	188917	49.746	ug/l	98
38) Carbon Tetrachloride	7.73	117	273532	60.143	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	310717	53.465	ug/l	95
40) Benzene	8.00	78	791053	54.375	ug/l	100
41) Methacrylonitrile	7.12	41	83655	48.079	ug/l	94
42) 1,2-Dichloroethane	8.08	62	258866	53.150	ug/l	100
43) Isopropyl Acetate	8.12	43	334009	48.886	ug/l	98
44) Trichloroethene	8.80	130	248858	55.661	ug/l	94
45) 1,2-Dichloropropane	9.08	63	191247	55.361	ug/l	98
46) Dibromomethane	9.17	93	144109	54.393	ug/l	98
47) Bromodichloromethane	9.37	83	290956	55.429	ug/l	100
48) Methyl methacrylate	9.17	41	143177	46.577	ug/l	94
49) 1,4-Dioxane	9.16	88	58588	1230.280	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	972534	252.590	ug/l	99
52) Toluene	10.12	92	540974	56.973	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	311117	55.020	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	335724	55.217	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	209052	55.261	ug/l	99
56) Ethyl methacrylate	10.40	69	289666	54.814	ug/l	97
57) 1,3-Dichloropropane	10.68	76	334574	55.298	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	630923	279.379	ug/l	99
59) 2-Hexanone	10.72	43	695007	251.346	ug/l	99
60) Dibromochloromethane	10.87	129	247074	57.449	ug/l	100
61) 1,2-Dibromoethane	10.98	107	221524	56.146	ug/l	100
64) Tetrachloroethene	10.60	164	276730	56.949	ug/l	98
65) Chlorobenzene	11.40	112	597567	55.689	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	225570	56.457	ug/l	99
67) Ethyl Benzene	11.48	91	1048818	56.551	ug/l	99
68) m/p-Xylenes	11.59	106	825066	112.197	ug/l	99
69) o-Xylene	11.92	106	394746	56.517	ug/l	99
70) Styrene	11.94	104	670810	57.995	ug/l	99
71) Bromoform	12.10	173	176203	57.232	ug/l #	100
73) Isopropylbenzene	12.22	105	1049449	53.866	ug/l	100
74) N-amyl acetate	12.04	43	296826	48.378	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	266552	48.822	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	223728m	46.093	ug/l	
77) Bromobenzene	12.50	156	272460	54.787	ug/l	96
78) n-propylbenzene	12.56	91	1178687	54.193	ug/l	100
79) 2-Chlorotoluene	12.65	91	681826	52.573	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	880480	54.071	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	95012	50.057	ug/l	100
82) 4-Chlorotoluene	12.75	91	720227	52.789	ug/l	99
83) tert-Butylbenzene	12.97	119	754528	52.443	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	891357	55.101	ug/l	100
85) sec-Butylbenzene	13.15	105	983991	53.075	ug/l	99
86) p-Isopropyltoluene	13.26	119	923506	54.090	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	492507	55.926	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	495392	55.220	ug/l	99
89) n-Butylbenzene	13.59	91	764821	53.482	ug/l	98
90) Hexachloroethane	13.85	117	121942	64.582	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	470016	55.849	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	49484	44.442	ug/l	95

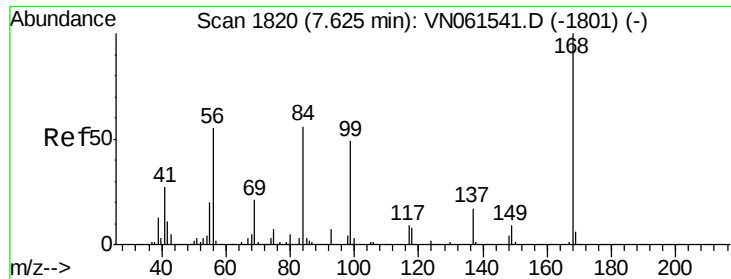
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	276640	56.206	ug/l	100
94) Hexachlorobutadiene	14.98	225	115549	55.046	ug/l	98
95) Naphthalene	15.10	128	774743	51.715	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	268667	55.518	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

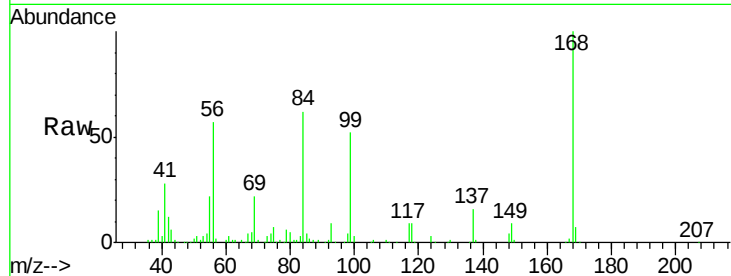
VSTDCCC050

Tot Ion:168 Resp: 337953

Ion Ratio Lower Upper

168 100

99 52.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

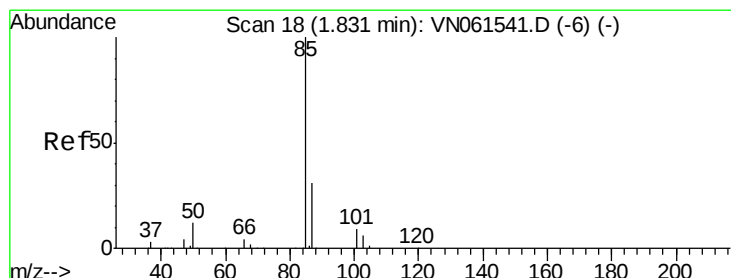
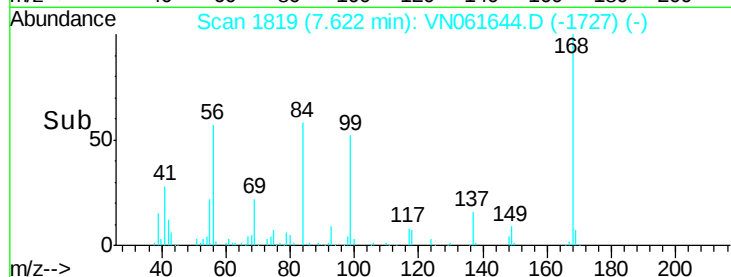
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 50.533 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061644.D

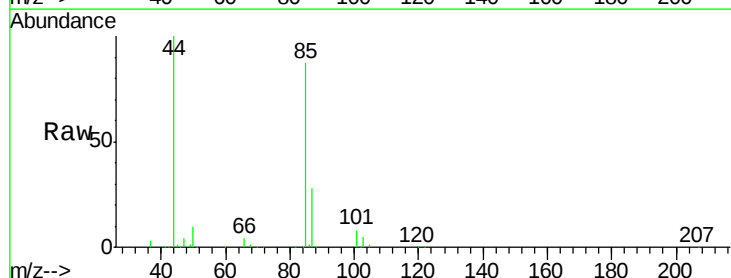
Acq: 4 Jun 2020 11:03

Tgt Ion: 85 Resp: 197226

Ion Ratio Lower Upper

85 100

87 32.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

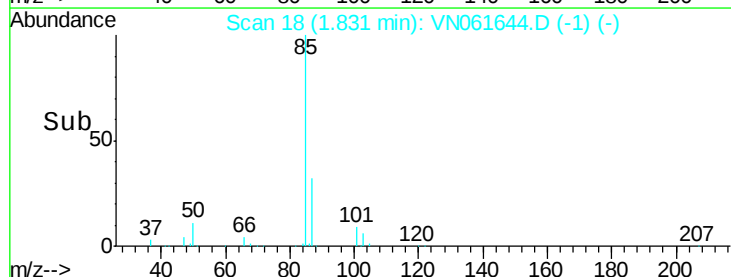
150000

100000

50000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 50.057 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

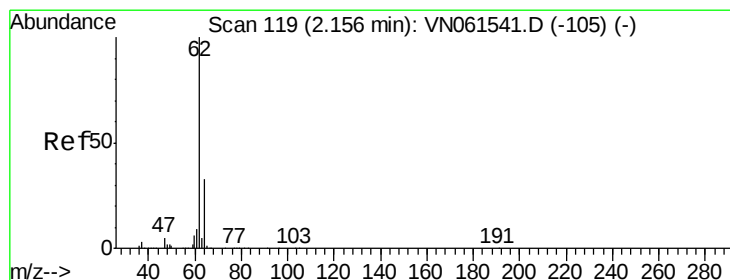
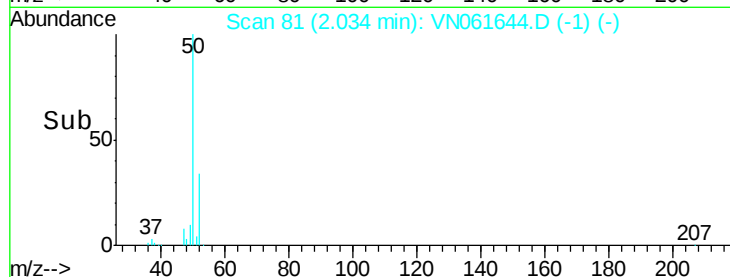
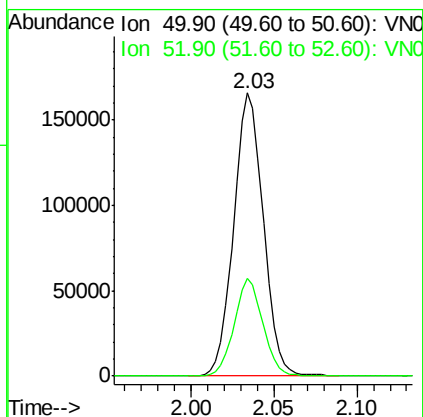
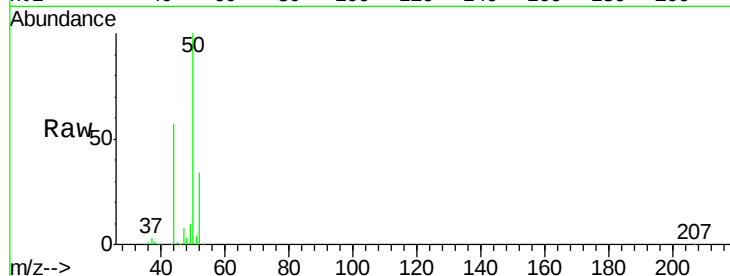
VSTDCCC050

Tot Ion: 50 Resp: 206332

Ion Ratio Lower Upper

50 100

52 34.4 26.7 40.1



#4

Vinyl Chloride

Concen: 50.805 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061644.D

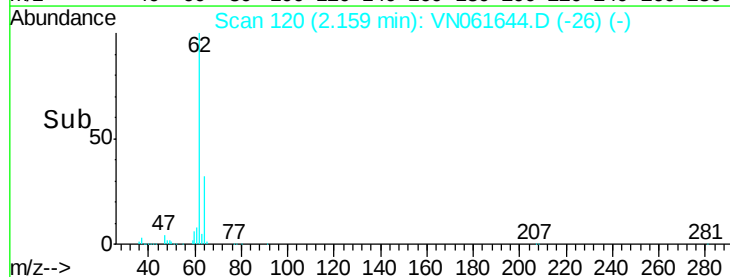
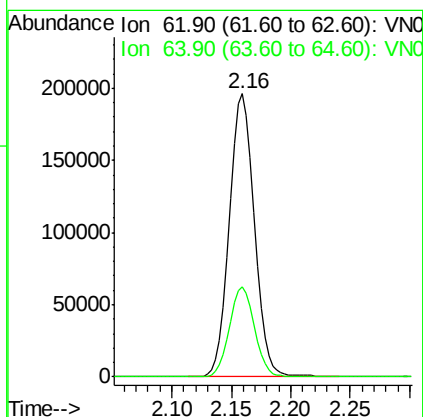
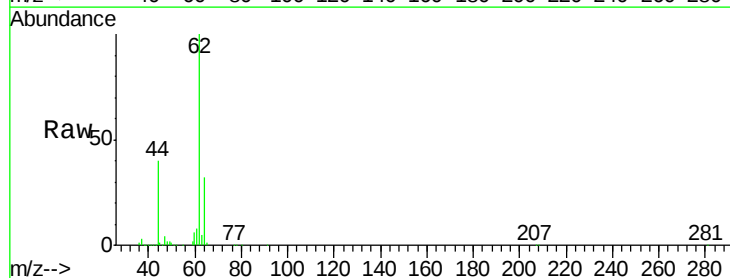
Acq: 4 Jun 2020 11:03

Tgt Ion: 62 Resp: 286976

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.2





#5

Bromomethane

Concen: 54.065 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

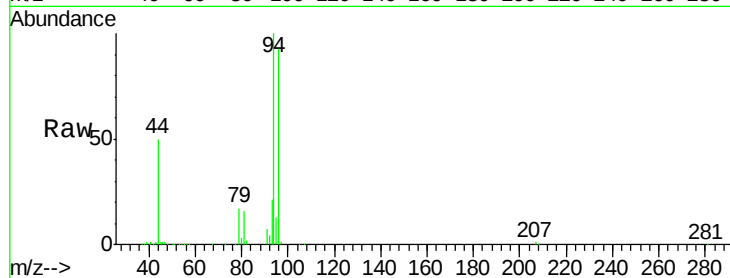
VSTDCCC050

Tot Ion: 94 Resp: 175236

Ion Ratio Lower Upper

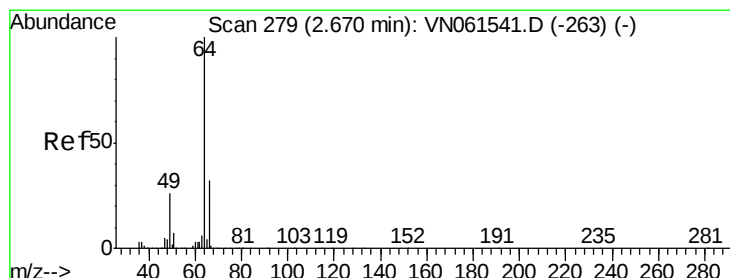
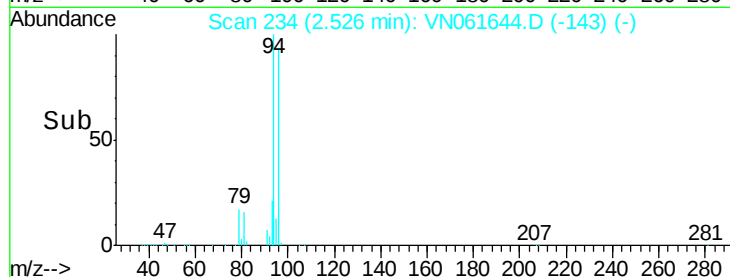
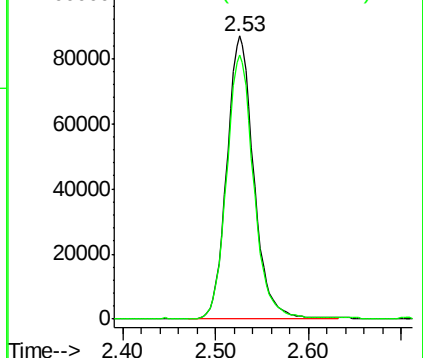
94 100

96 92.9 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.261 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN061644.D

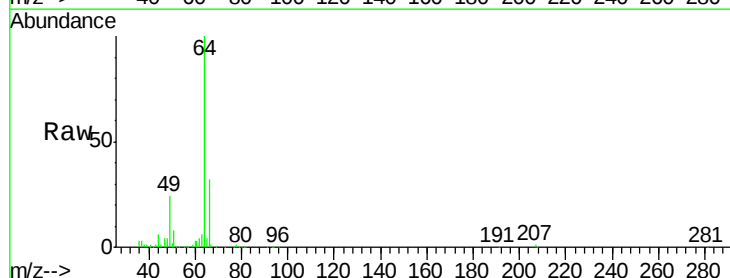
Acq: 4 Jun 2020 11:03

Tgt Ion: 64 Resp: 186376

Ion Ratio Lower Upper

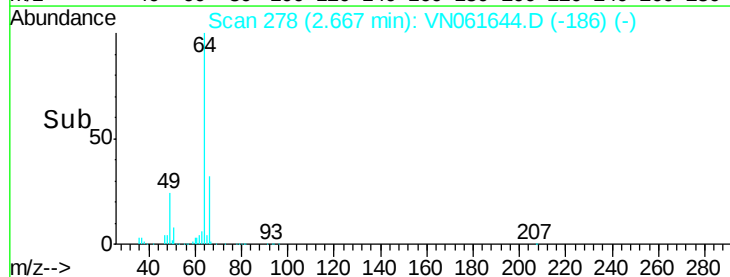
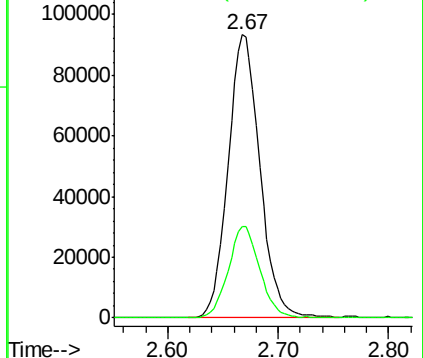
64 100

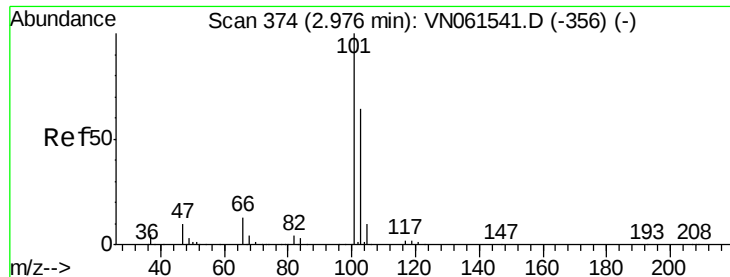
66 32.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



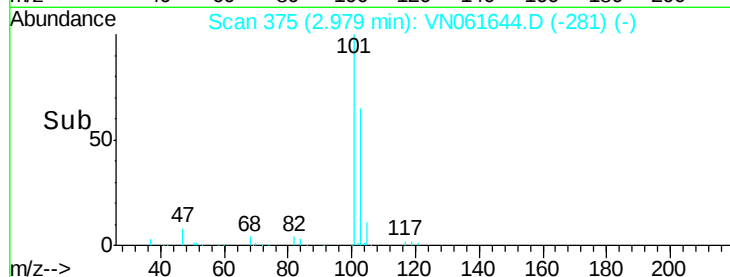
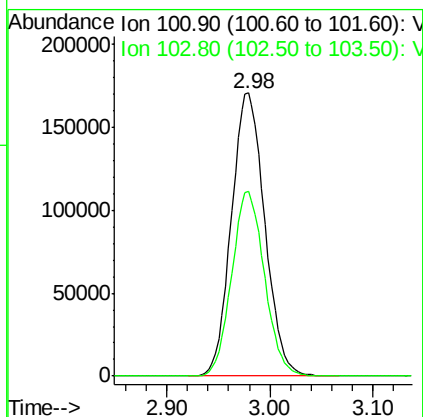
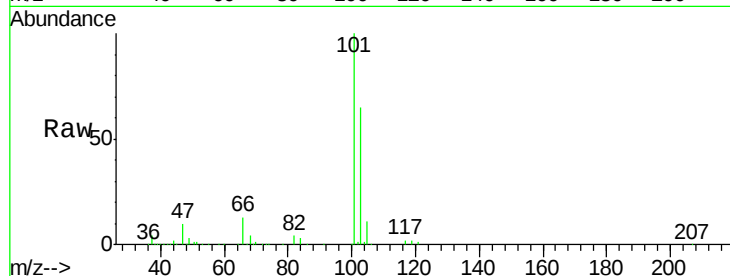


#7

Trichlorofluoromethane
Concen: 52.852 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Instrument :
MSVOA_N
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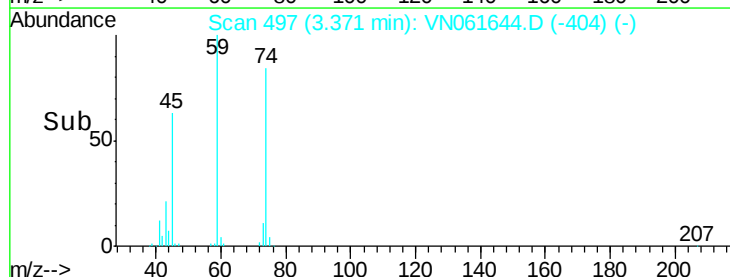
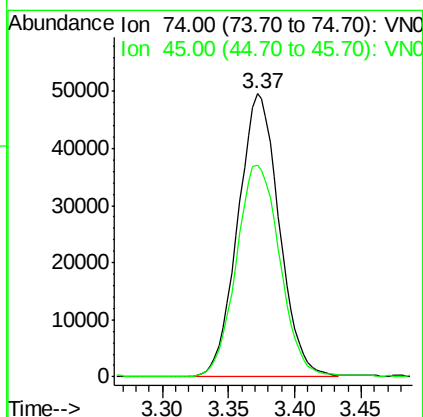
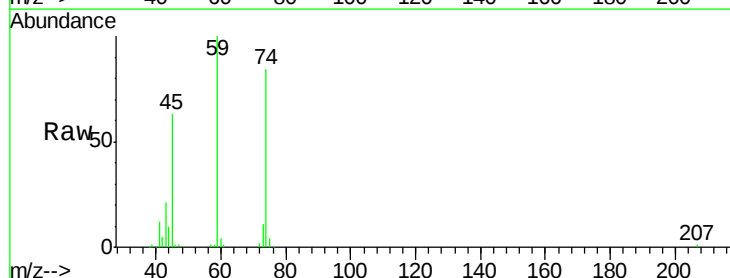
Tot Ion:101 Resp: 384972
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.2

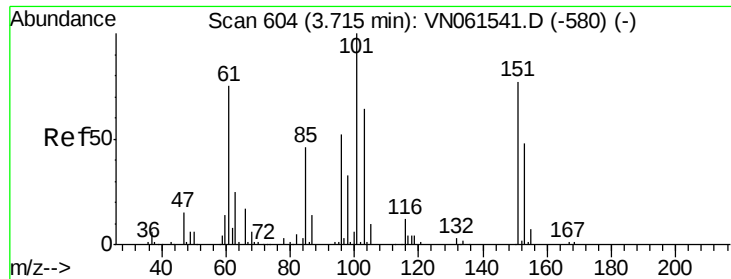


#8

Diethyl Ether
Concen: 48.314 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Tgt Ion: 74 Resp: 107610
Ion Ratio Lower Upper
74 100
45 78.9 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.478 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

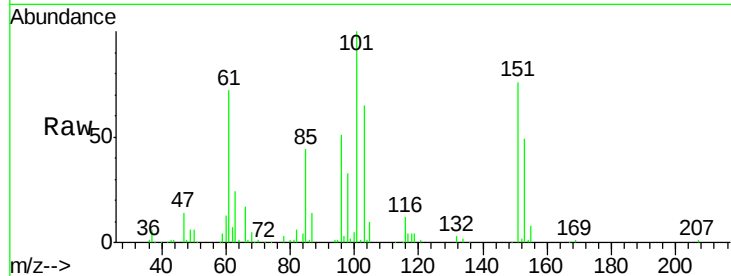
Tot Ion:101 Resp: 172858

Ion Ratio Lower Upper

101 100

85 44.4 35.2 52.8

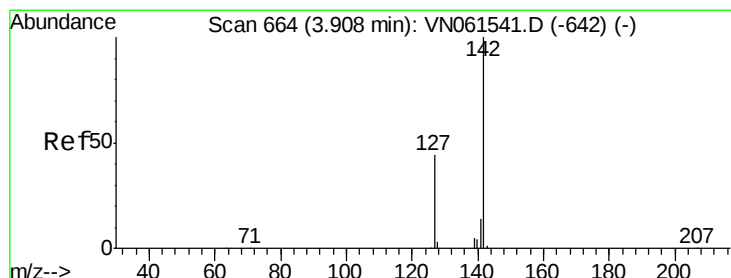
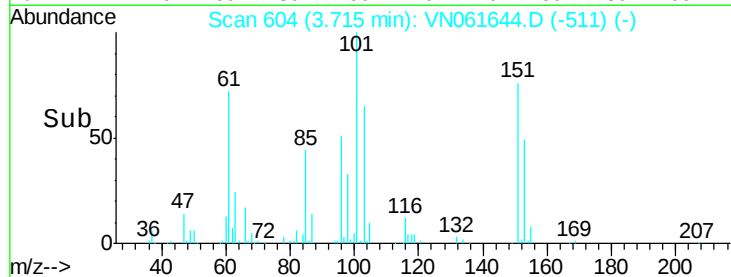
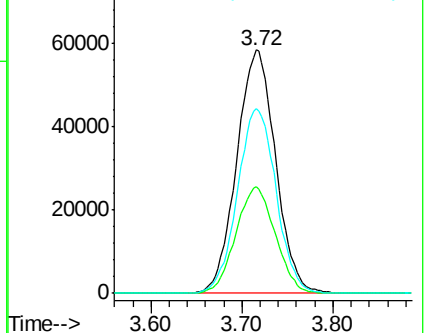
151 75.8 61.0 91.6



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: 49.802 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

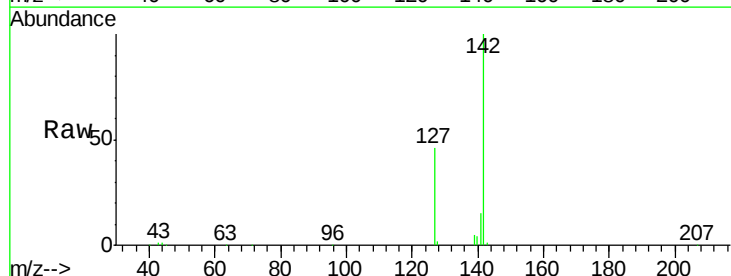
Tgt Ion:142 Resp: 223463

Ion Ratio Lower Upper

142 100

127 44.9 35.5 53.3

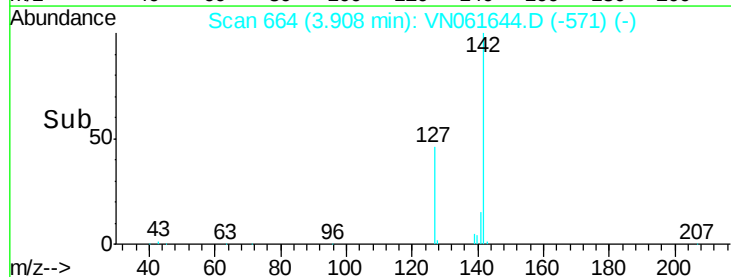
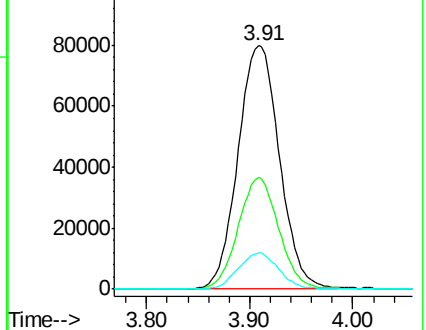
141 14.6 11.5 17.3



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



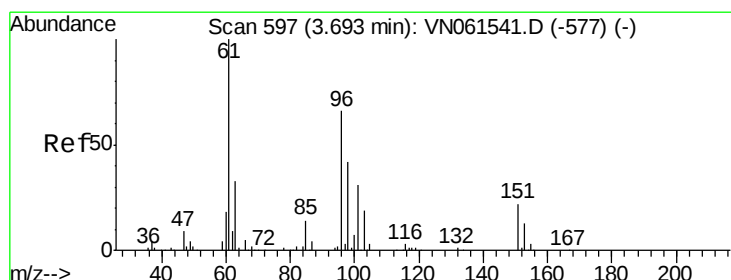
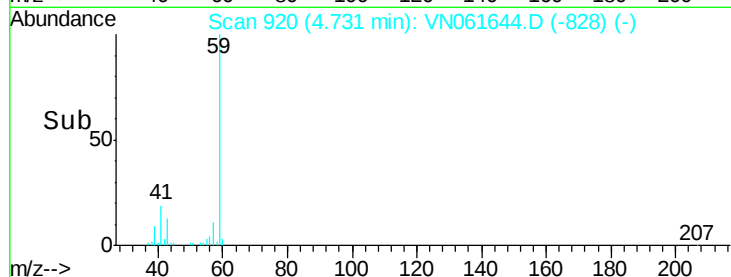
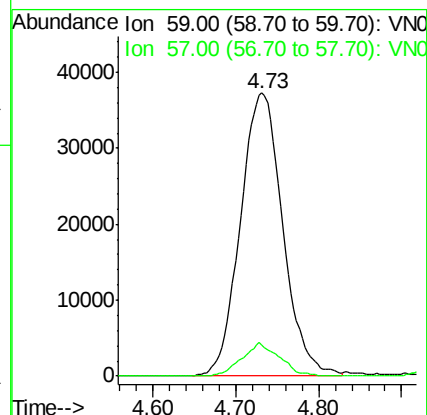
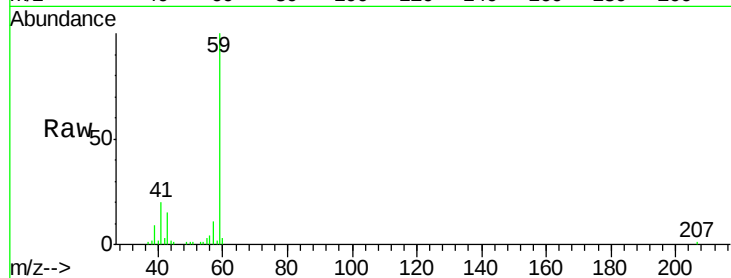


#11

Tert butyl alcohol
 Concen: 247.024 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN061644.D
 Acq: 4 Jun 2020 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

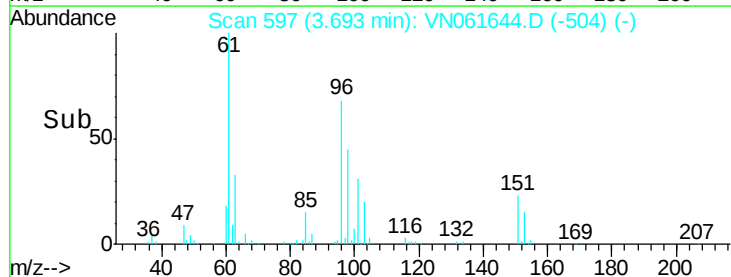
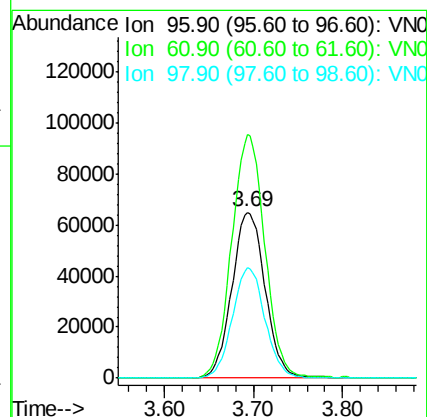
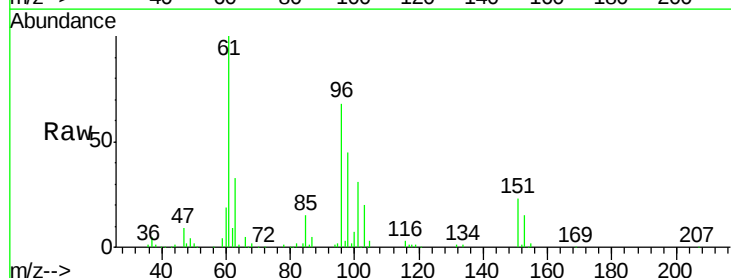
Tot Ion: 59 Resp: 132299
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.4 12.6



#12

1,1-Dichloroethene
 Concen: 48.770 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VN061644.D
 Acq: 4 Jun 2020 11:03

Tgt Ion: 96 Resp: 168418
 Ion Ratio Lower Upper
 96 100
 61 146.7 120.5 180.7
 98 66.3 50.8 76.2





#13

Acrolein

Concen: 278.175 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

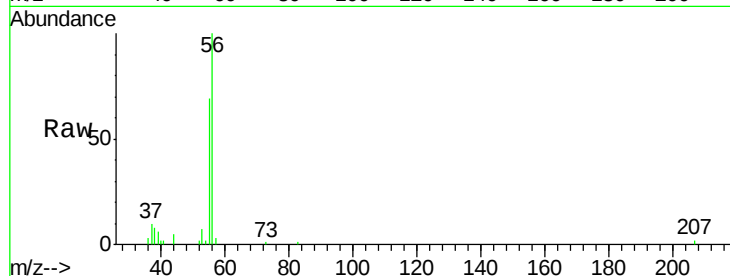
VSTDCCC050

Tot Ion: 56 Resp: 42622

Ion Ratio Lower Upper

56 100

55 69.1 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN061644.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN061644.D (-540) (-)

3.56

20000

15000

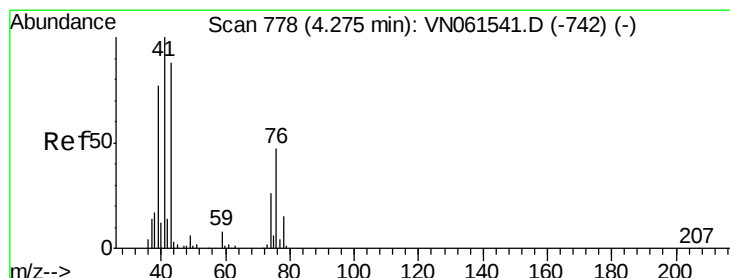
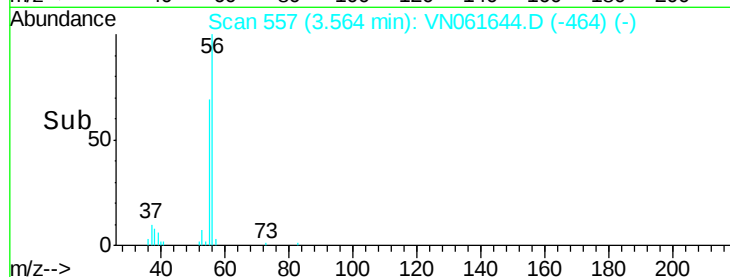
10000

5000

0

Time-->

3.50 3.55 3.60 3.65



#14

Allyl chloride

Concen: 47.889 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

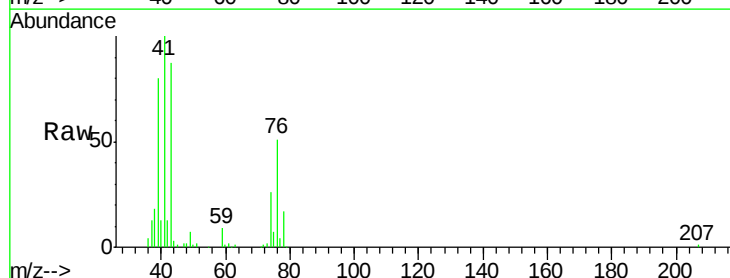
Tgt Ion: 41 Resp: 216205

Ion Ratio Lower Upper

41 100

39 72.3 58.6 88.0

76 44.8 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VN061644.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN061644.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN061644.D (-685) (-)

4.27

80000

60000

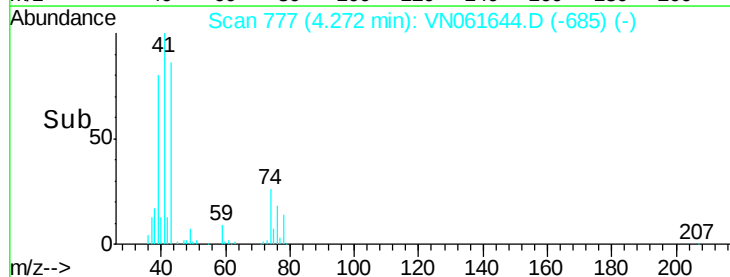
40000

20000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 241.751 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

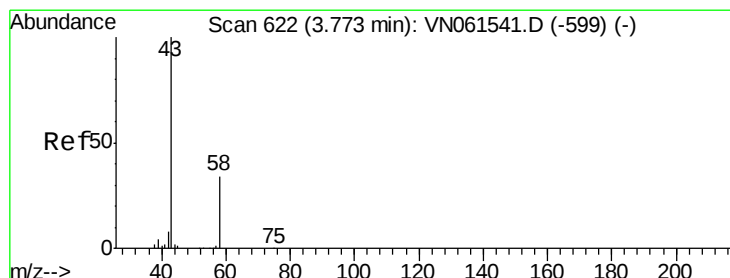
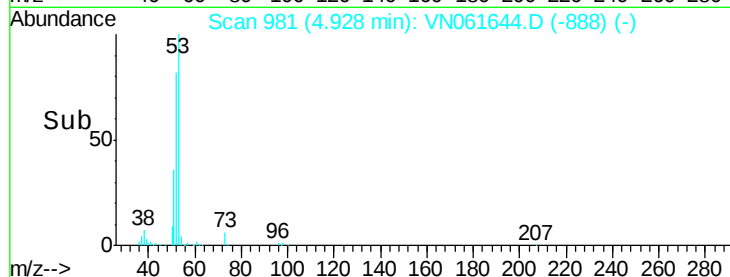
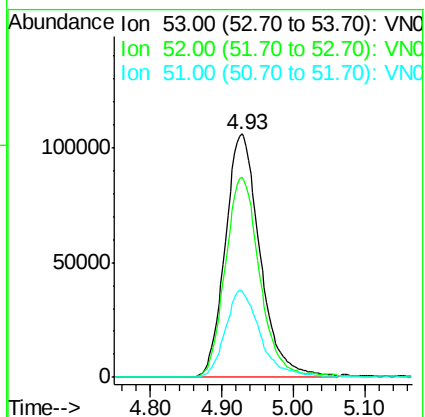
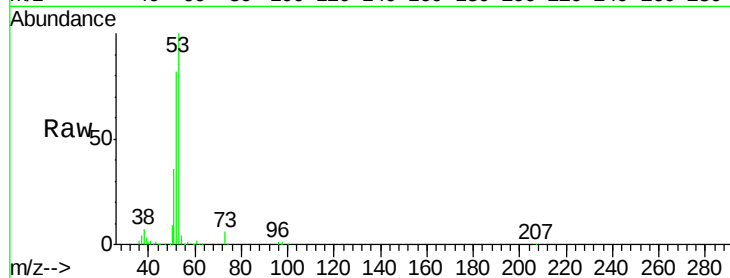
Tot Ion: 53 Resp: 361390

Ion Ratio Lower Upper

53 100

52 80.2 65.4 98.2

51 35.9 29.0 43.6



#16

Acetone

Concen: 254.463 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061644.D

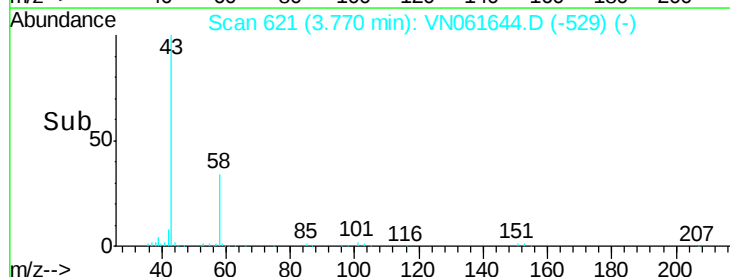
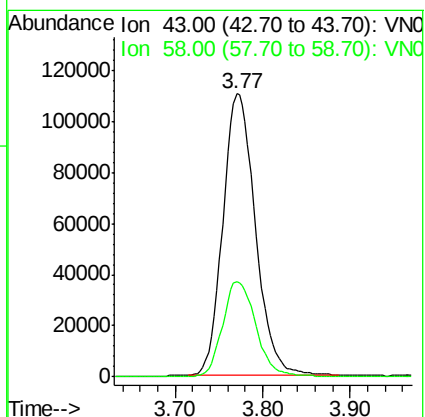
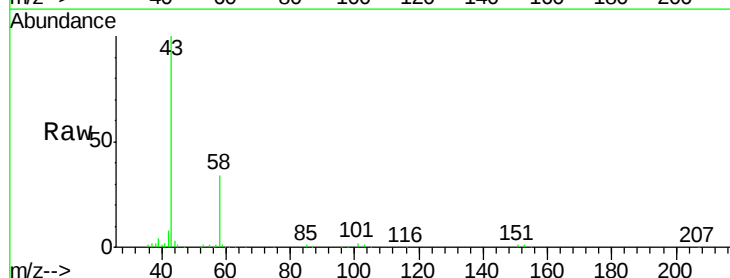
Acq: 4 Jun 2020 11:03

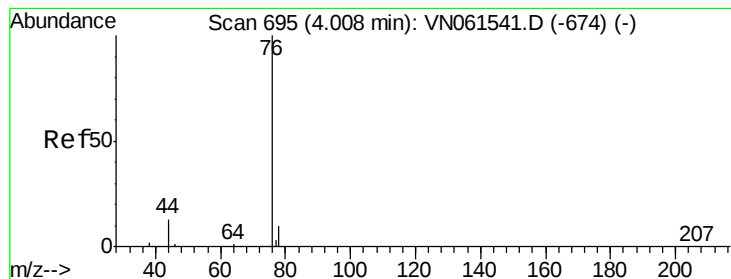
Tgt Ion: 43 Resp: 282254

Ion Ratio Lower Upper

43 100

58 33.9 27.2 40.8





#17

Carbon Disulfide

Concen: 47.393 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampled :

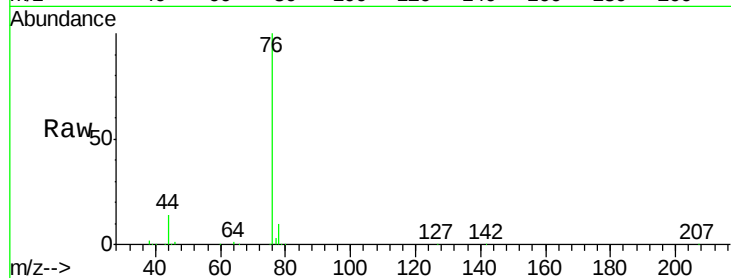
VSTDCCC050

Tot Ion: 76 Resp: 360071

Ion Ratio Lower Upper

76 100

78 9.5 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VN061644.D (-602) (-)

Ion 77.90 (77.60 to 78.60): VN061644.D (-602) (-)

4.01

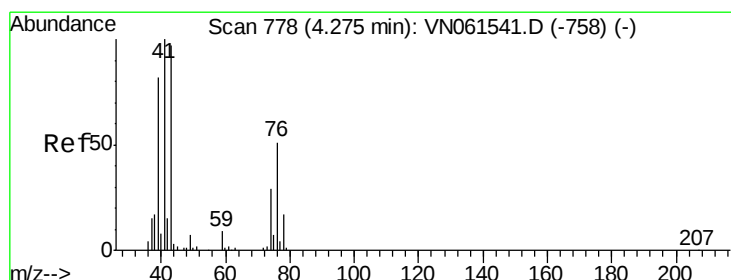
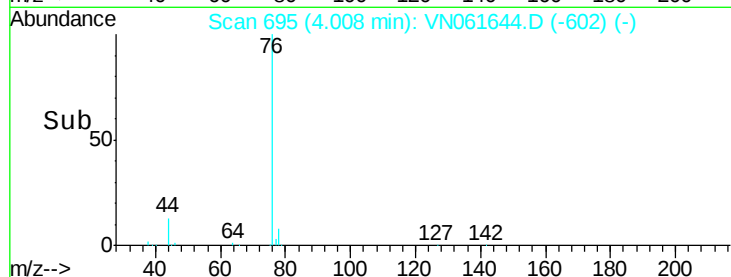
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 46.476 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061644.D

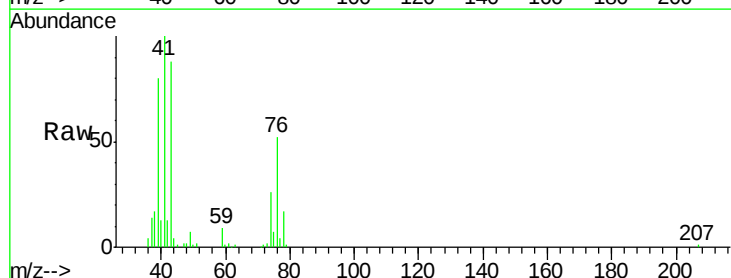
Acq: 4 Jun 2020 11:03

Tgt Ion: 43 Resp: 169407

Ion Ratio Lower Upper

43 100

74 30.2 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN061644.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN061644.D (-685) (-)

4.27

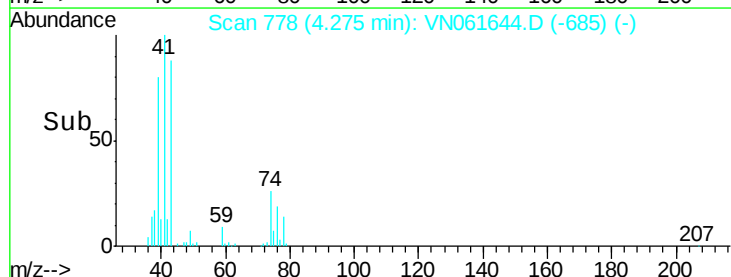
60000

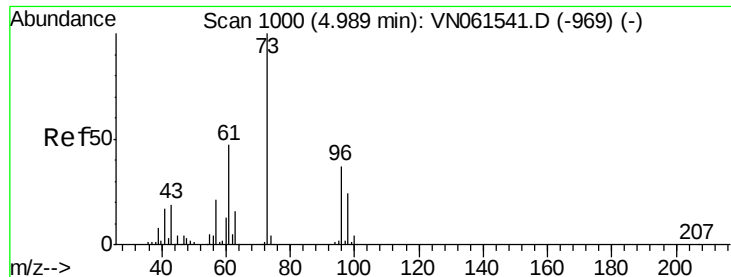
40000

20000

0

Time-->

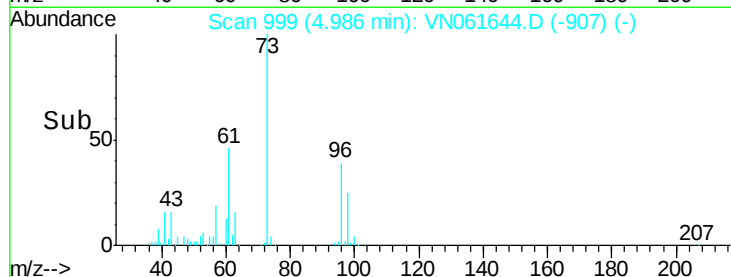
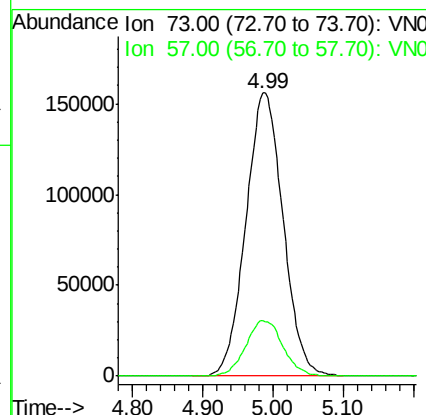
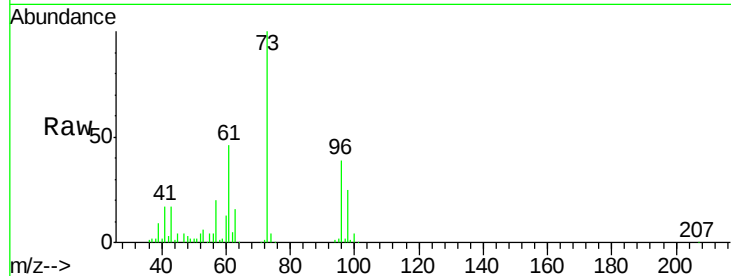




#19
Methvl tert-butvl Ether
Concen: 48.818 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

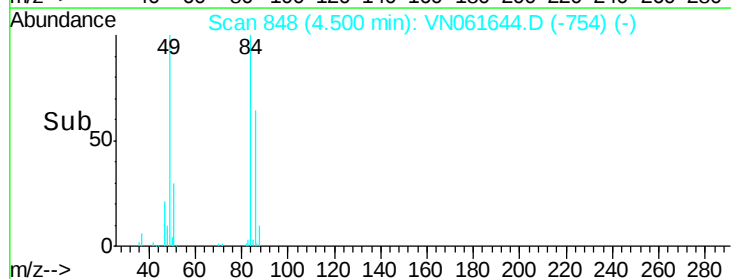
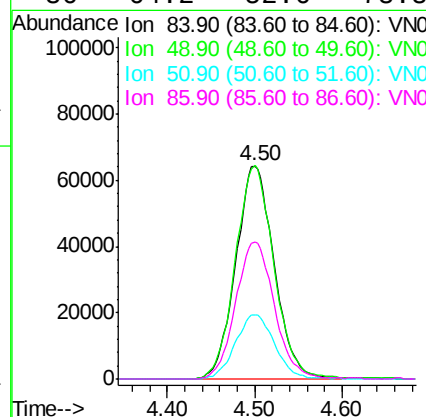
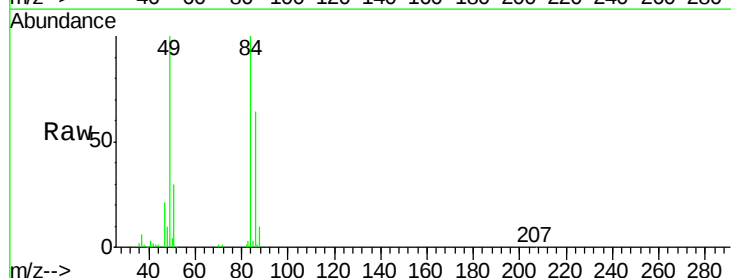
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

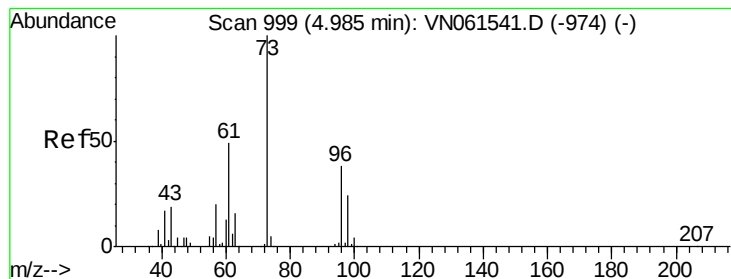
Tot Ion: 73 Resp: 574546
Ion Ratio Lower Upper
73 100
57 19.6 16.4 24.6



#20
Methylene Chloride
Concen: 53.745 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Tgt Ion: 84 Resp: 196216
Ion Ratio Lower Upper
84 100
49 100.3 85.8 128.8
51 30.3 26.2 39.2
86 64.2 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 50.089 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

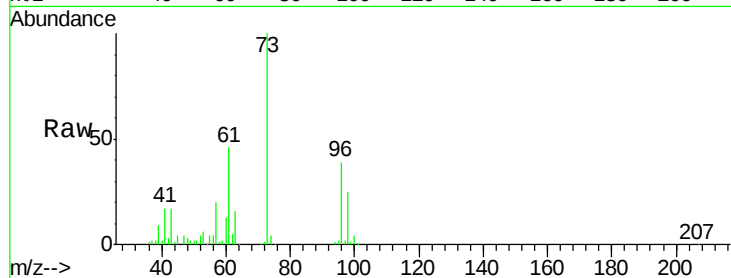
Tot Ion: 96 Resp: 195067

Ion Ratio Lower Upper

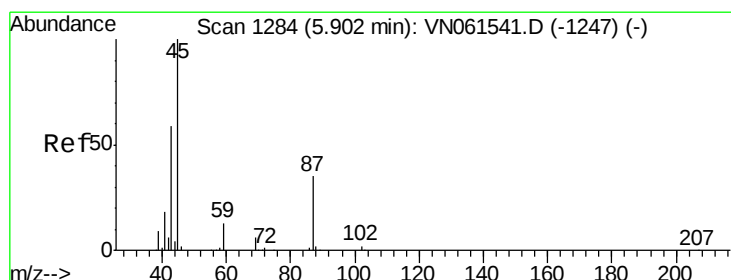
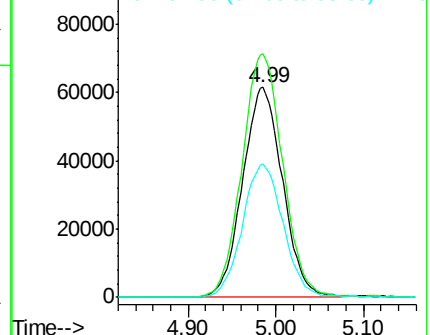
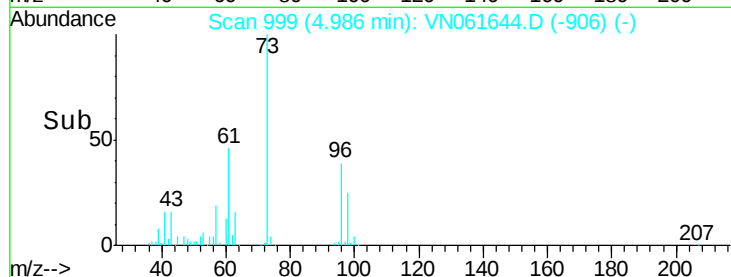
96 100

61 116.1 101.4 152.0

98 63.4 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN061644.D (-906) (-)



#22

Diisopropyl ether

Concen: 49.625 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Tgt Ion: 45 Resp: 493788

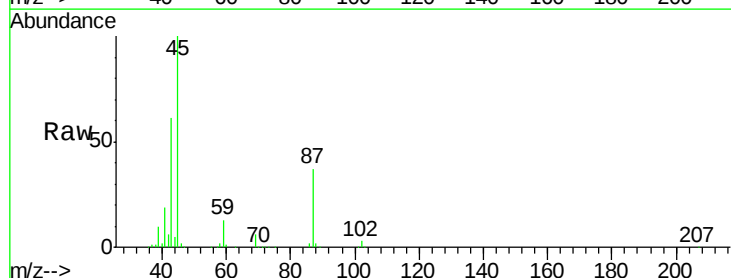
Ion Ratio Lower Upper

45 100

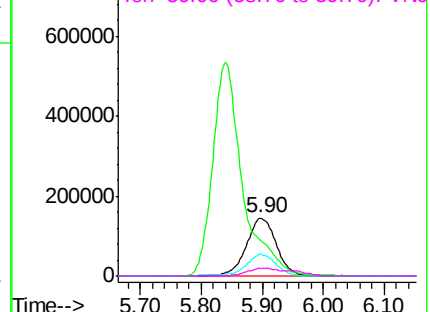
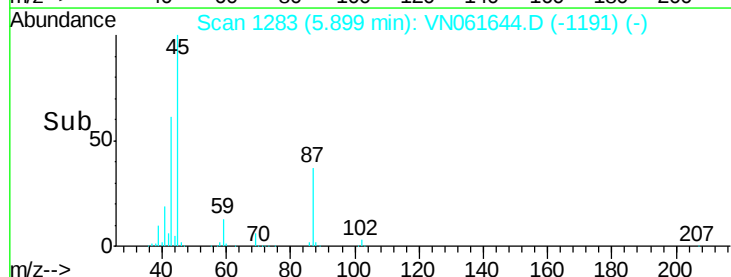
43 59.6 47.9 71.9

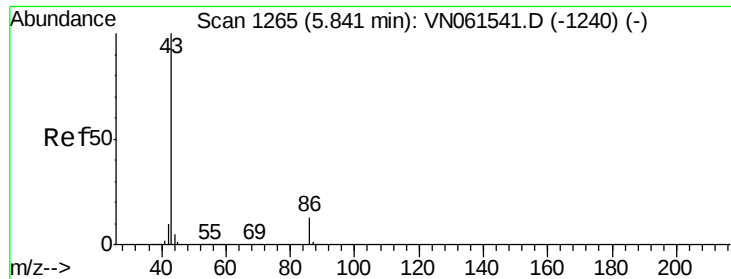
87 36.8 28.4 42.6

59 13.0 10.5 15.7



Abundance Ion 45.00 (44.70 to 45.70): VN061644.D (-1191) (-)





#23

Vinyl Acetate

Concen: 229.618 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

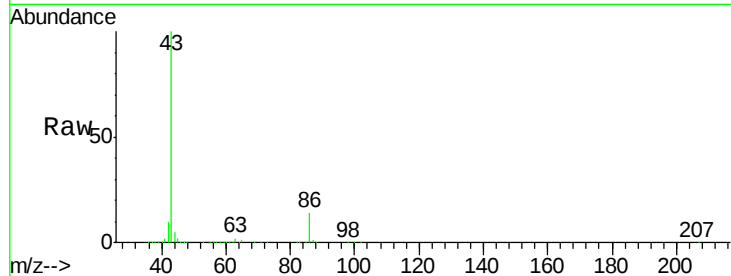
VSTDCCC050

Tot Ion: 43 Resp: 1821044

Ion Ratio Lower Upper

43 100

86 14.1 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN061644.D (-1172) (-)

Ion 86.00 (85.70 to 86.70): VN061644.D (-1172) (-)

5.84

600000

500000

400000

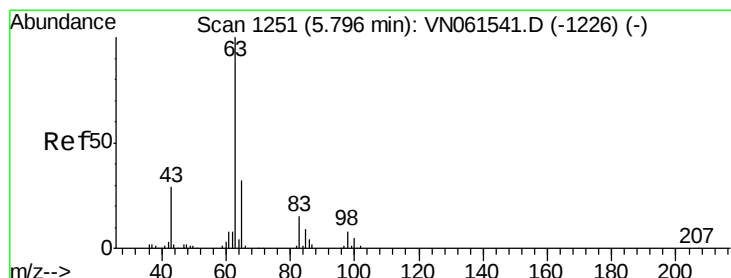
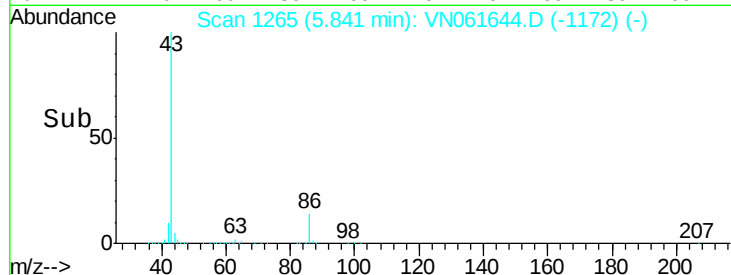
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 50.273 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

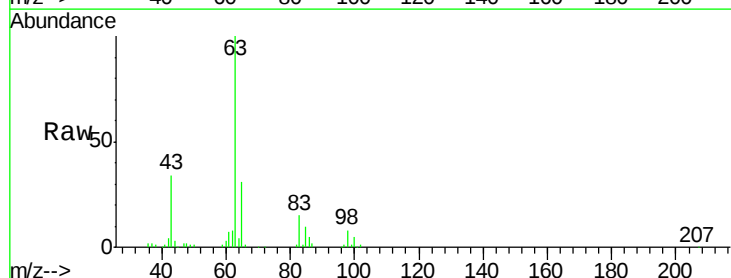
Tgt Ion: 63 Resp: 317209

Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

100 5.4 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VN061644.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN061644.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN061644.D (-1158) (-)

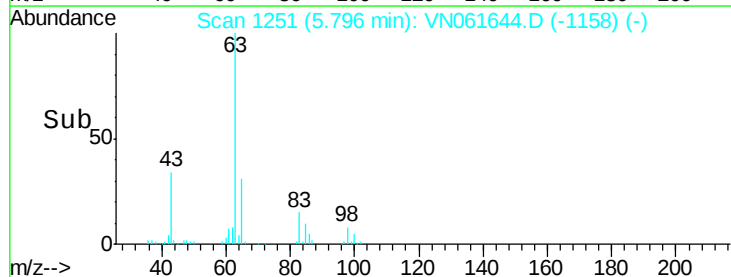
5.80

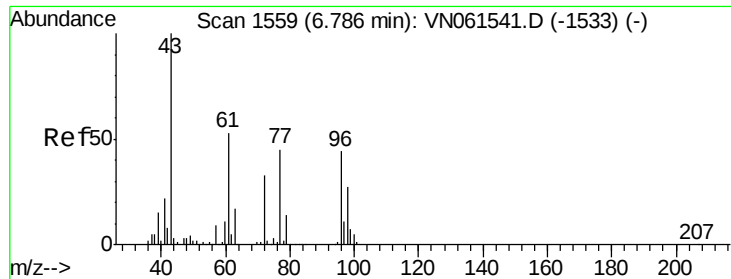
100000

50000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 230.712 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

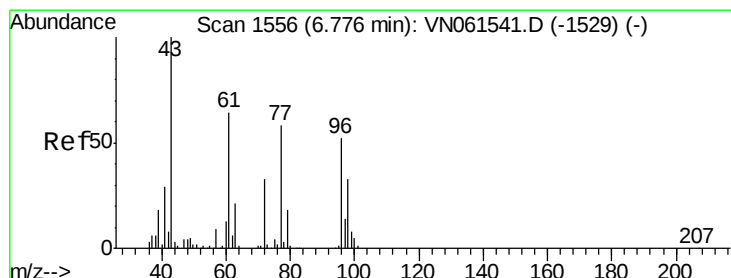
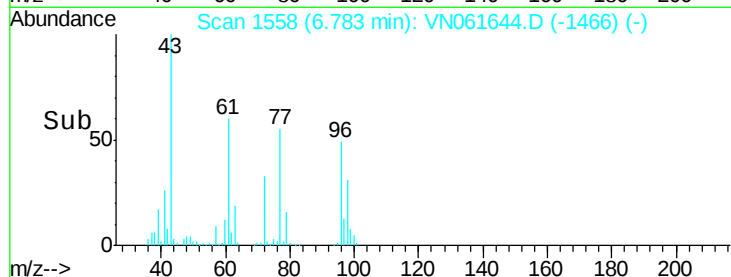
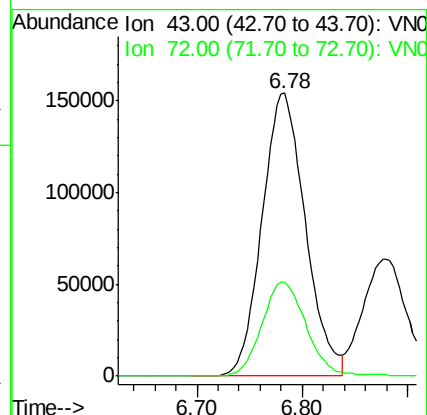
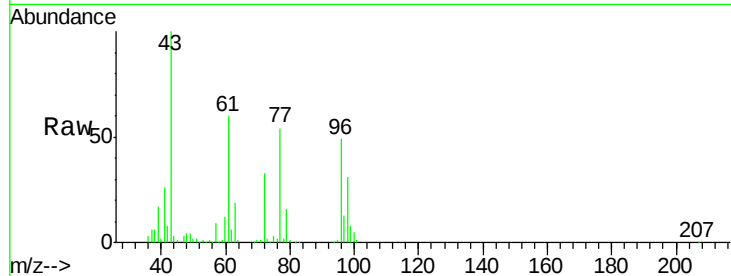
VSTDCCC050

Tot Ion: 43 Resp: 440261

Ion Ratio Lower Upper

43 100

72 33.3 26.0 39.0



#26

2,2-Dichloropropane

Concen: 52.083 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061644.D

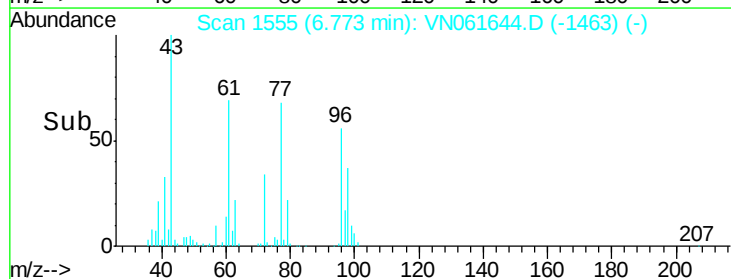
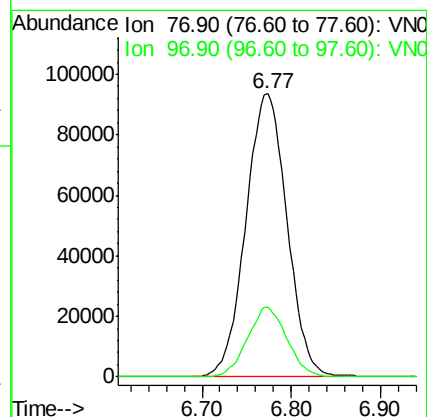
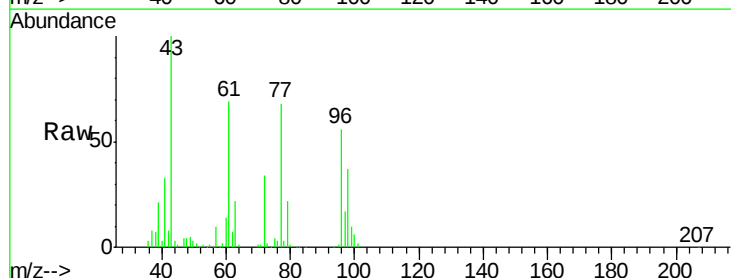
Acq: 4 Jun 2020 11:03

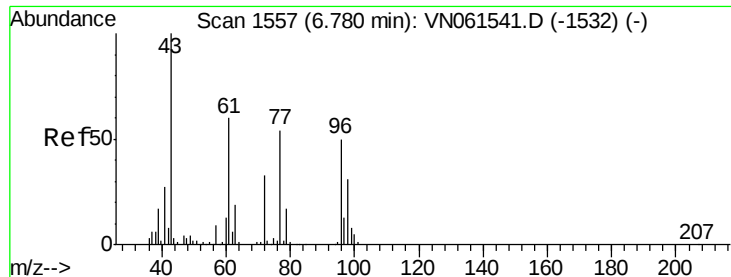
Tgt Ion: 77 Resp: 300785

Ion Ratio Lower Upper

77 100

97 23.5 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 52.035 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

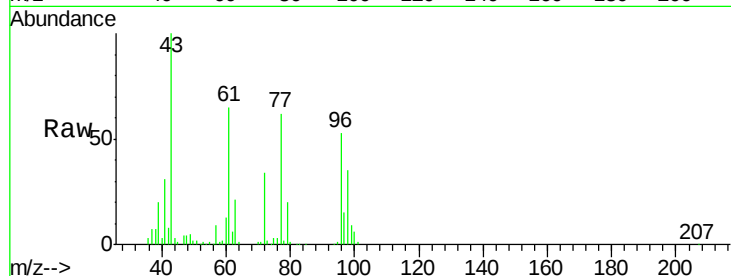
Tot Ion: 96 Resp: 229469

Ion Ratio Lower Upper

96 100

61 124.3 0.0 252.2

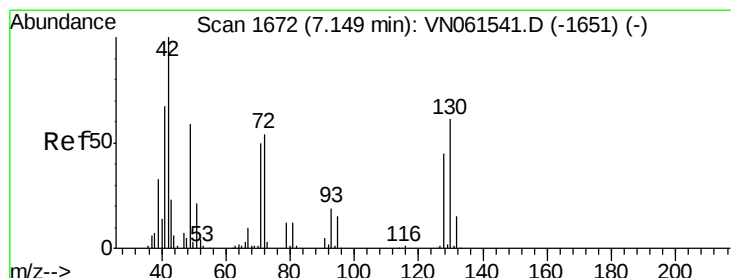
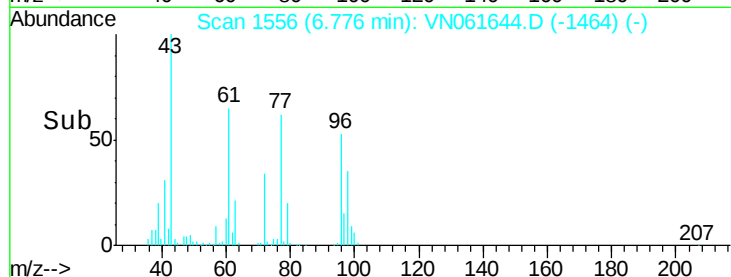
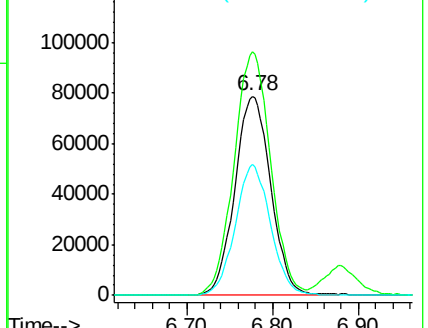
98 64.2 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN061644.D (-1532) (-)

Ion 60.90 (60.60 to 61.60): VN061644.D (-1532) (-)

Ion 97.90 (97.60 to 98.60): VN061644.D (-1532) (-)



#28

Bromochloromethane

Concen: 56.106 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

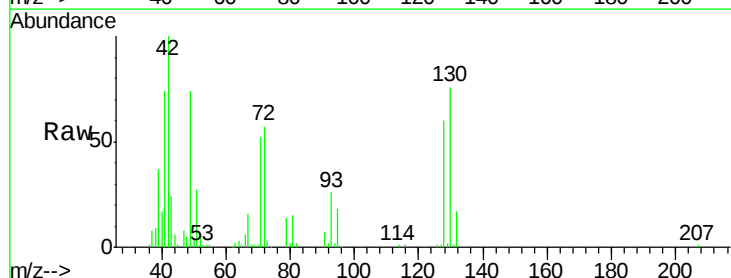
Tgt Ion: 49 Resp: 132498

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.8

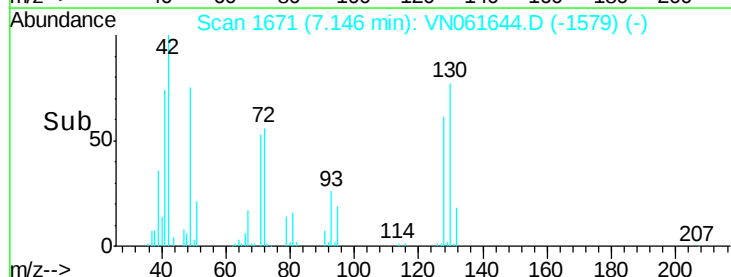
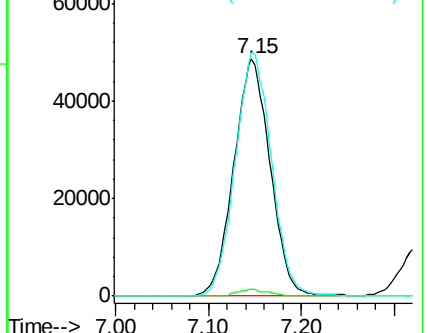
130 102.3 78.8 118.2

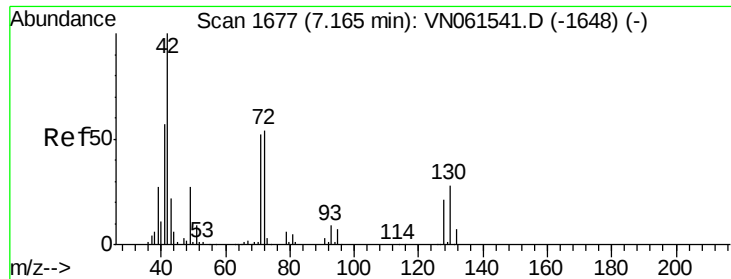


Abundance Ion 48.90 (48.60 to 49.60): VN061644.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN061644.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN061644.D (-1579) (-)

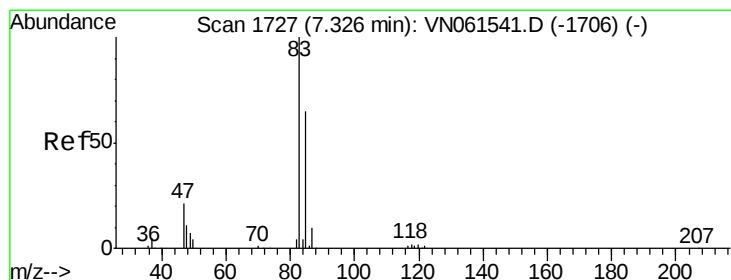
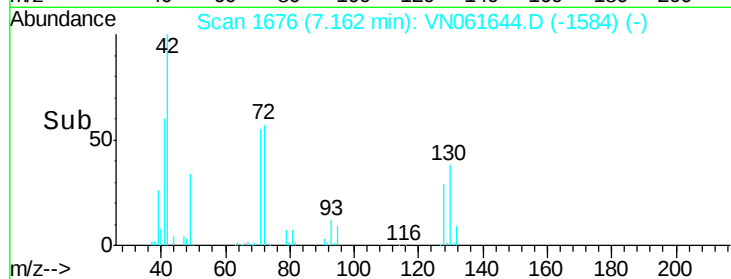
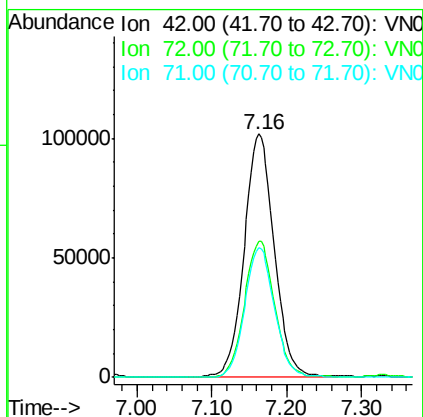
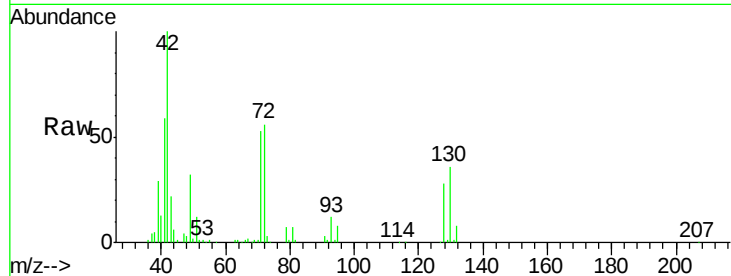




#29
Tetrahydrofuran
Concen: 226.916 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

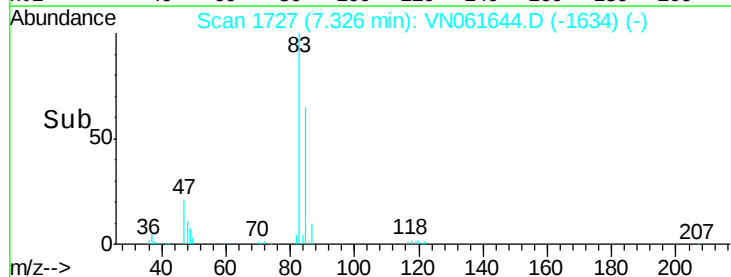
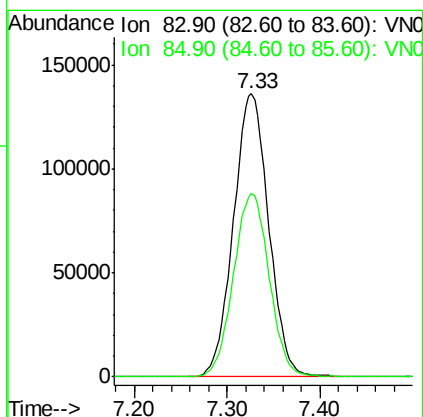
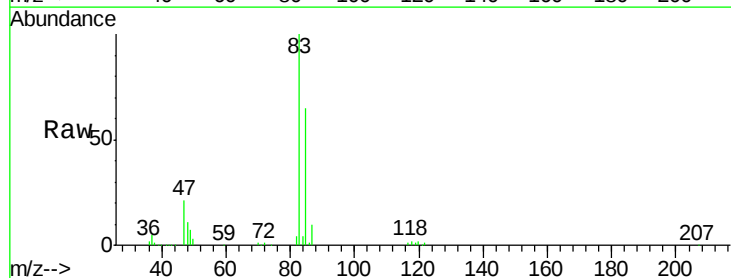
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 285539
Ion Ratio Lower Upper
42 100
72 55.6 43.6 65.4
71 52.4 41.2 61.8



#30
Chloroform
Concen: 51.460 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Tgt Ion: 83 Resp: 359224
Ion Ratio Lower Upper
83 100
85 64.9 51.7 77.5





#31

Cyclohexane

Concen: 47.733 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

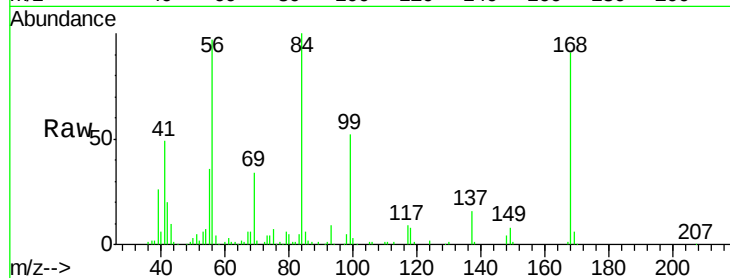
Tot Ion: 56 Resp: 270868

Ion Ratio Lower Upper

56 100

69 35.5 27.8 41.8

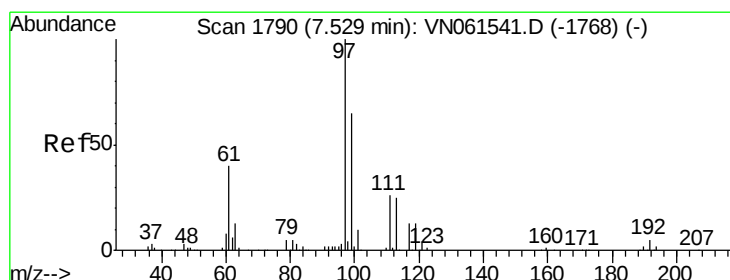
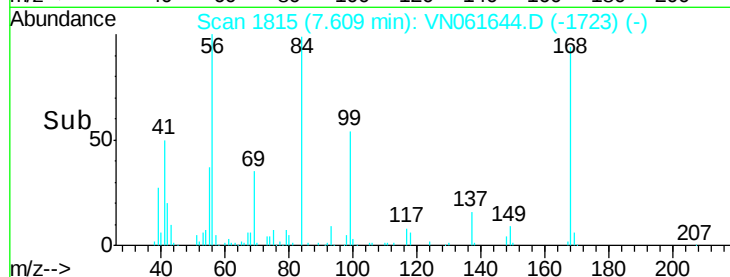
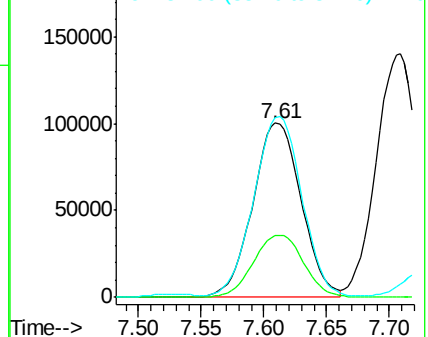
84 101.9 79.9 119.9



Abundance Ion 56.00 (55.70 to 56.70): VN061541.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN061541.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN061541.D (-1794) (-)



#32

1,1,1-Trichloroethane

Concen: 51.200 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

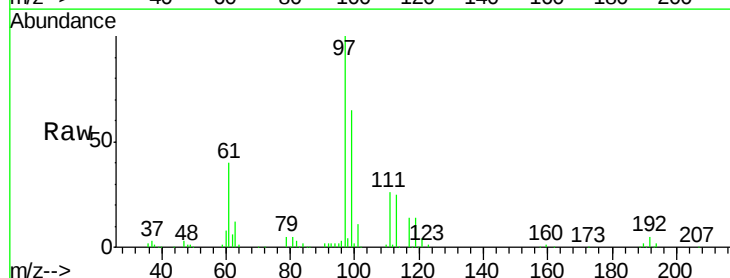
Tgt Ion: 97 Resp: 325670

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

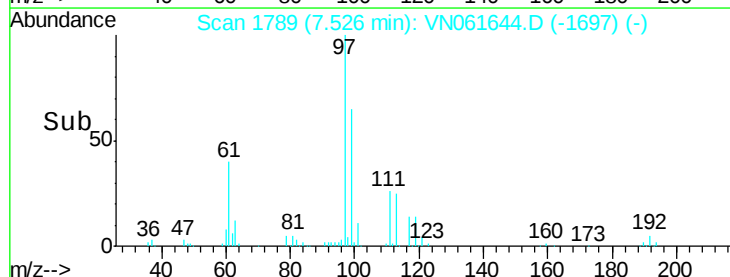
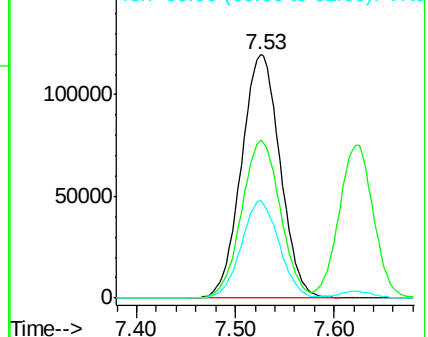
61 39.1 31.4 47.0

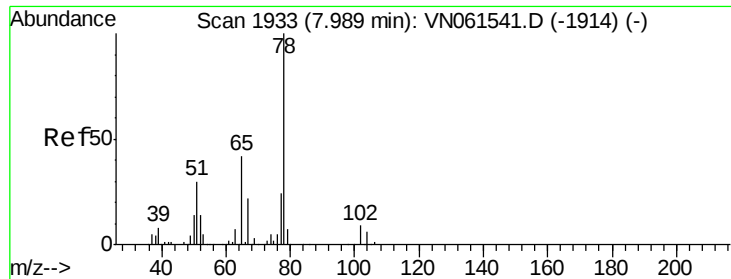


Abundance Ion 96.90 (96.60 to 97.60): VN061541.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN061541.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN061541.D (-1768) (-)

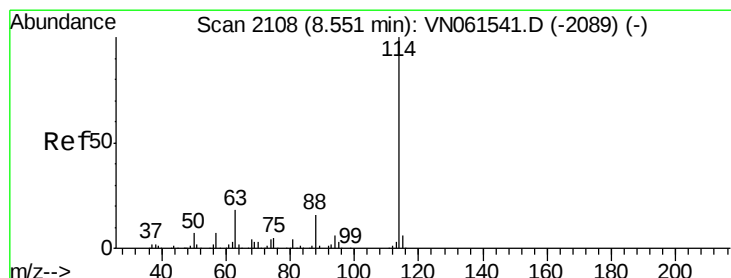
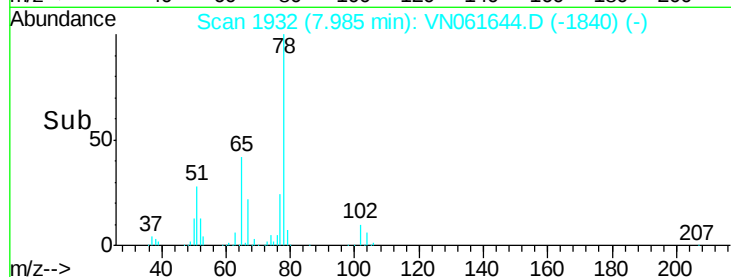
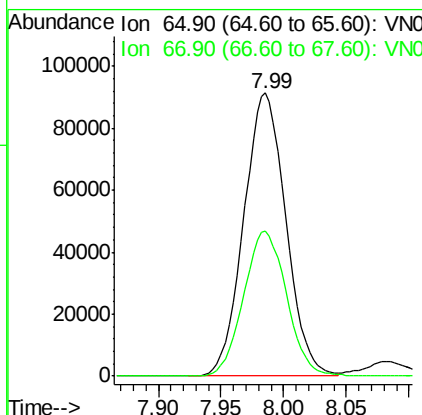
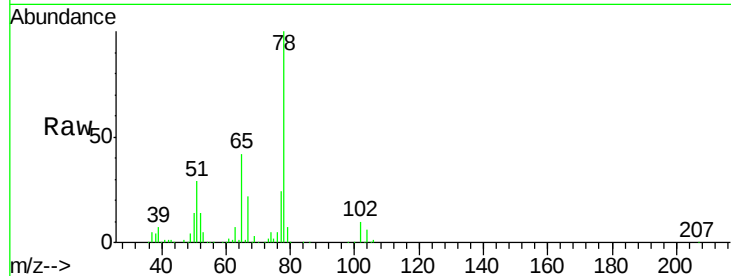




#33
 1,2-Dichloroethane-d4
 Concen: 53.091 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061644.D
 Acq: 4 Jun 2020 11:03

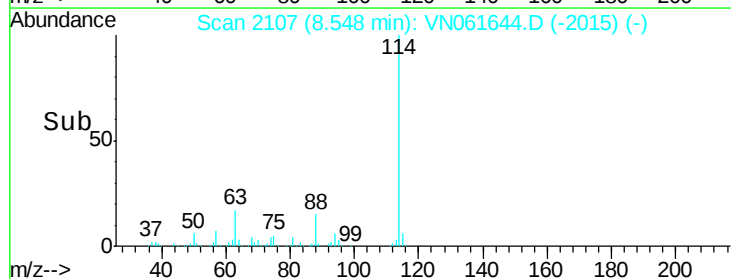
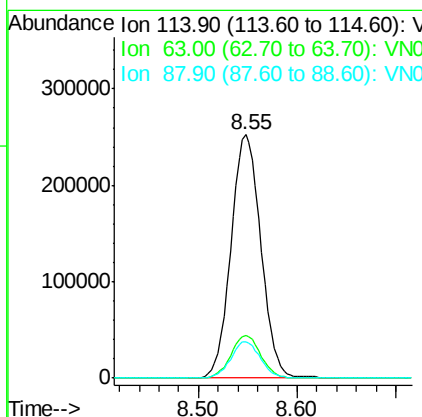
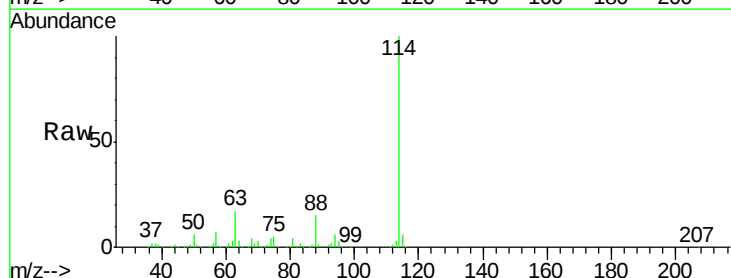
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 213770
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061644.D
 Acq: 4 Jun 2020 11:03

Tgt Ion: 114 Resp: 532618
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.8
 88 15.0 0.0 31.0

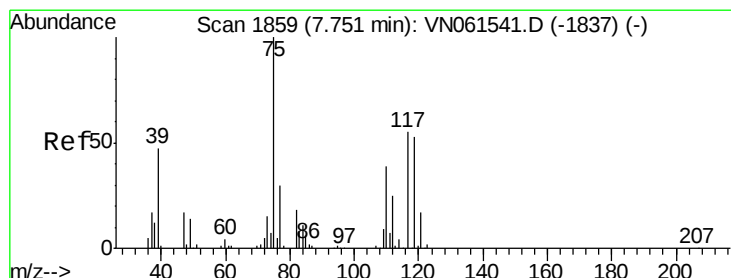
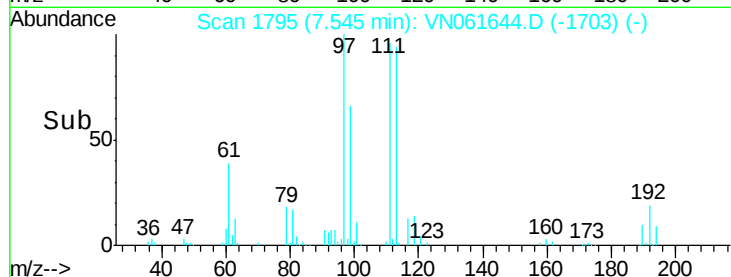
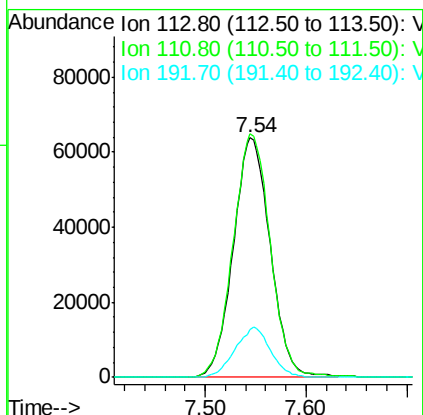
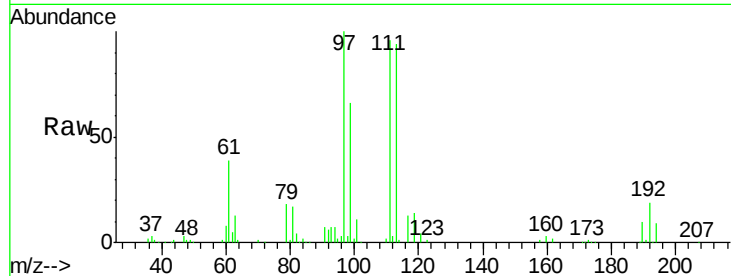




#35
Dibromofluoromethane
Concen: 60.010 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

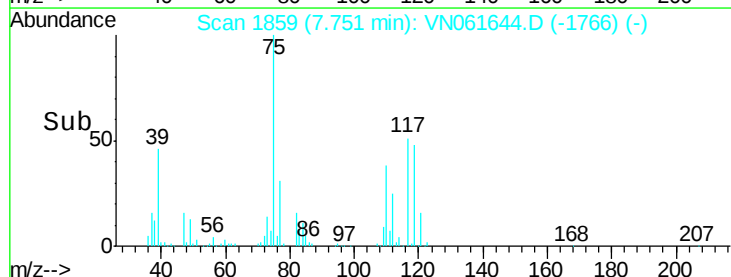
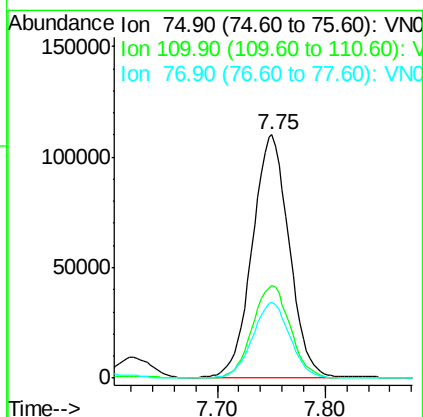
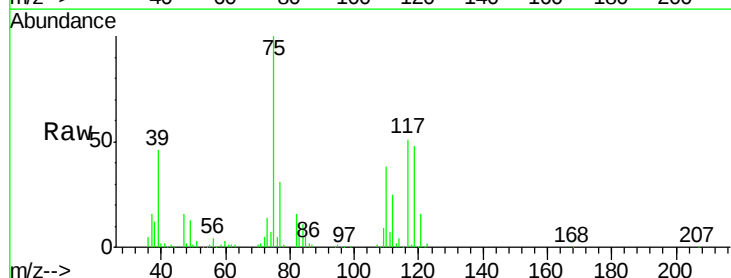
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:113 Resp: 162139
Ion Ratio Lower Upper
113 100
111 102.4 83.4 125.0
192 20.1 15.4 23.2



#36
1,1-Dichloropropene
Concen: 55.077 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Tgt Ion: 75 Resp: 259693
Ion Ratio Lower Upper
75 100
110 39.1 19.5 58.5
77 31.8 24.7 37.1

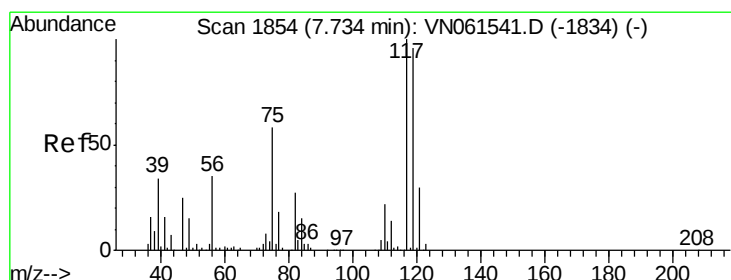
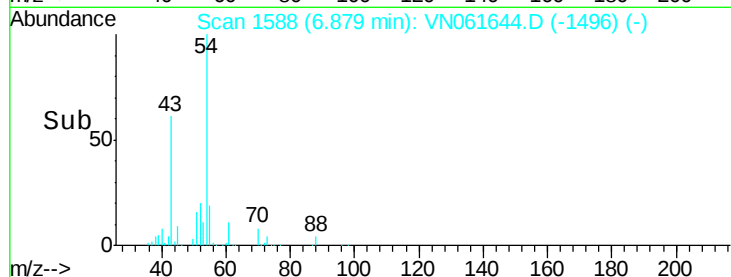
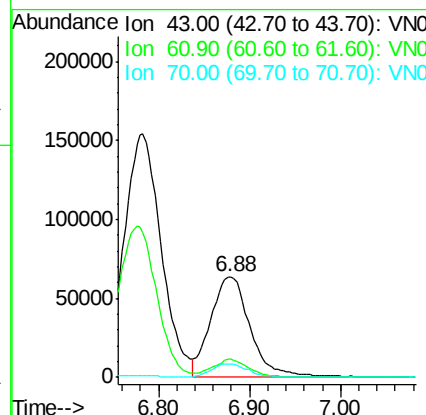
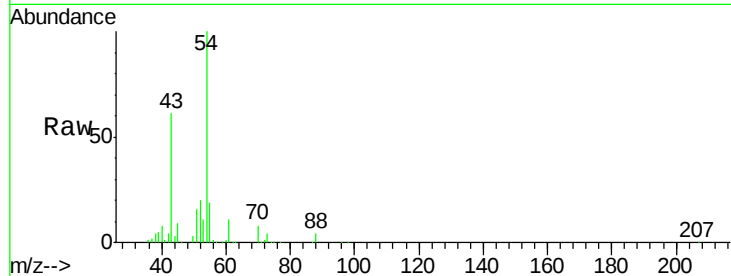




#37
Ethyl Acetate
Concen: 49.746 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

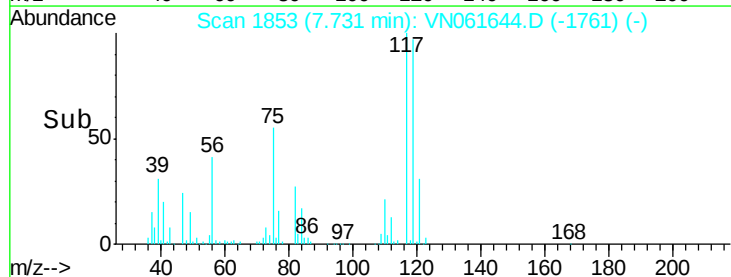
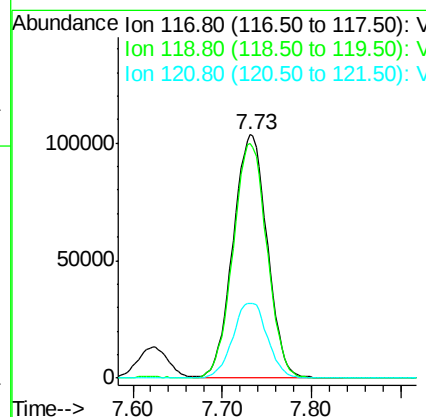
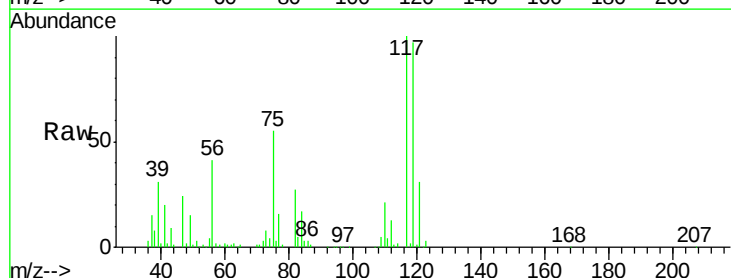
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

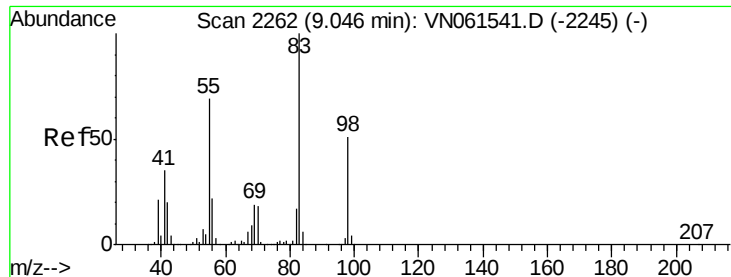
Tot Ion: 43 Resp: 188917
Ion Ratio Lower Upper
43 100
61 15.9 12.2 18.4
70 12.5 9.4 14.2



#38
Carbon Tetrachloride
Concen: 60.143 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Tgt Ion: 117 Resp: 273532
Ion Ratio Lower Upper
117 100
119 96.8 76.5 114.7
121 31.0 24.1 36.1

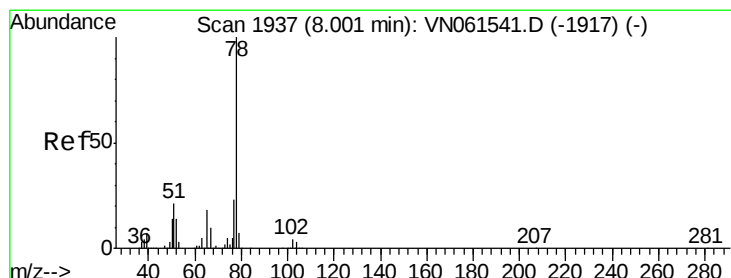
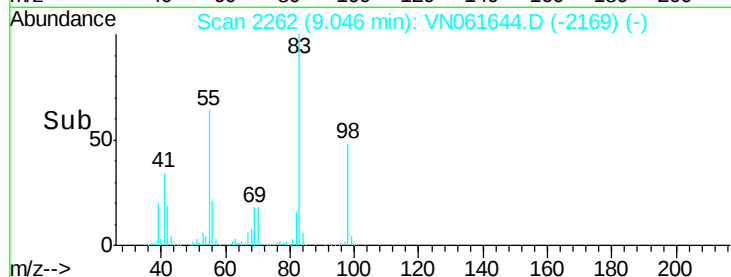
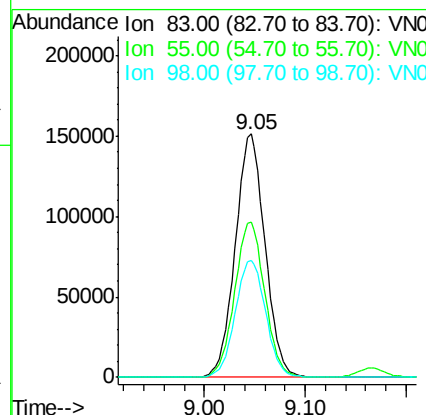
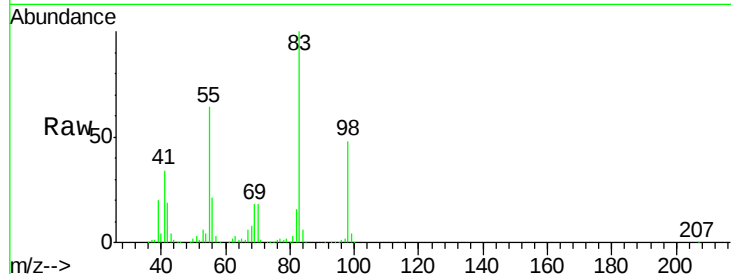




#39
Methvlcvclohexane
Concen: 53.465 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

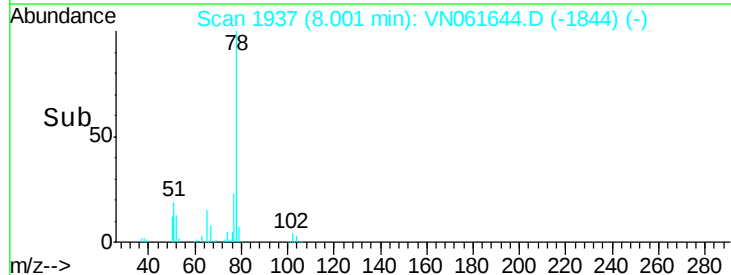
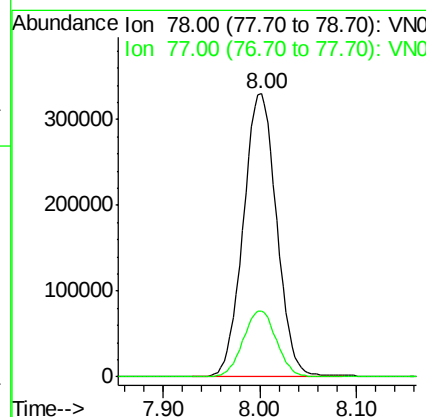
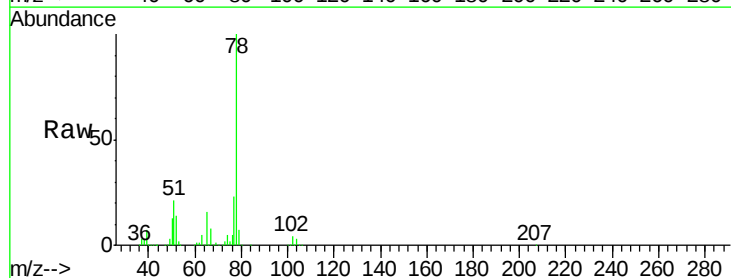
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

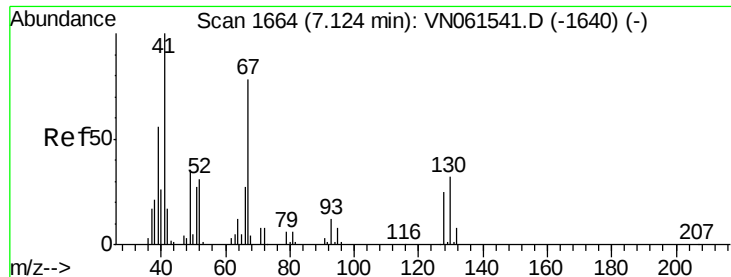
Tot Ion	83	Resp	310717
Ion Ratio	Lower	Upper	
83	100		
55	63.8	54.9	82.3
98	48.3	41.0	61.4



#40
Benzene
Concen: 54.375 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Tgt Ion	78	Resp	791053
Ion Ratio	Lower	Upper	
78	100		
77	23.4	18.6	28.0

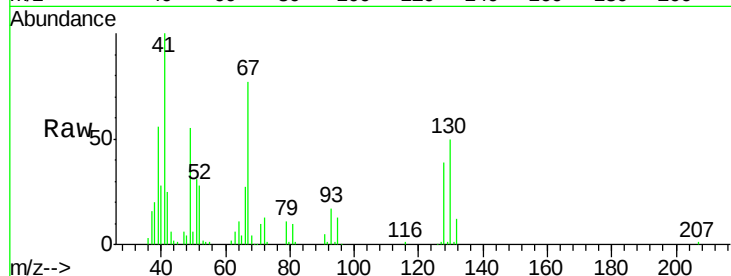




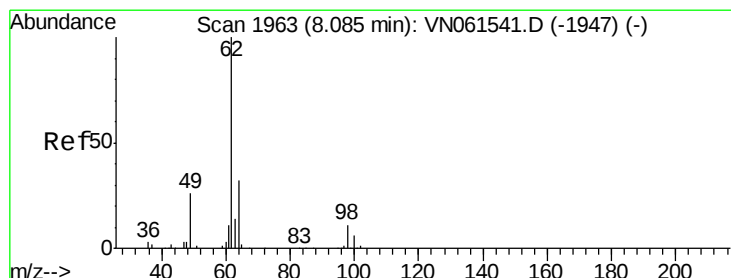
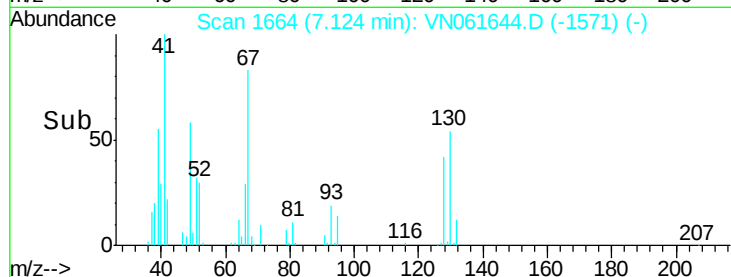
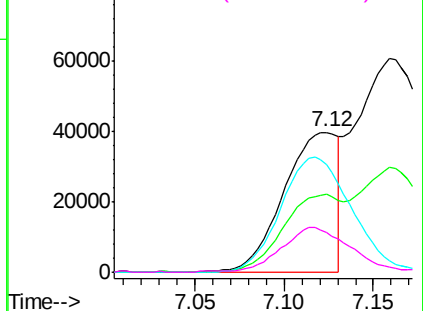
#41
Methacrylonitrile
Concen: 48.079 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 83655
Ion Ratio Lower Upper
41 100
39 60.4 53.8 80.6
67 109.5 91.1 136.7
52 41.9 36.0 54.0

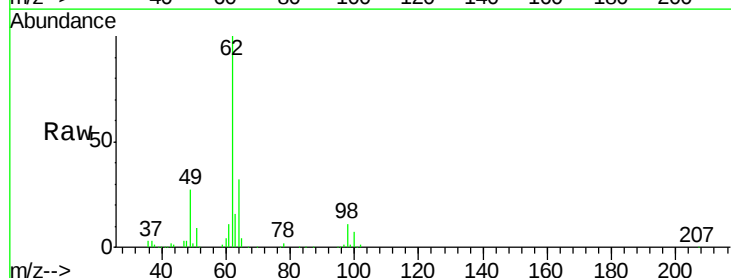


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

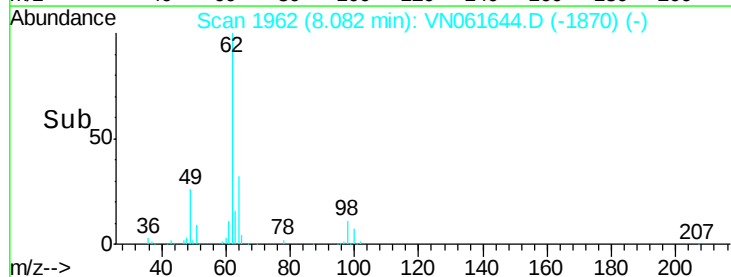
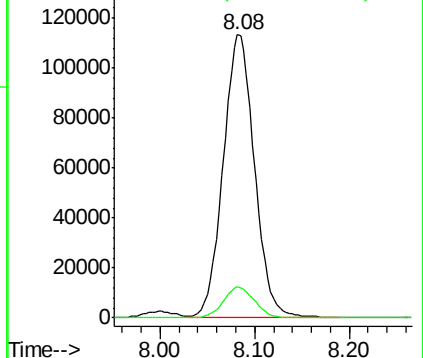


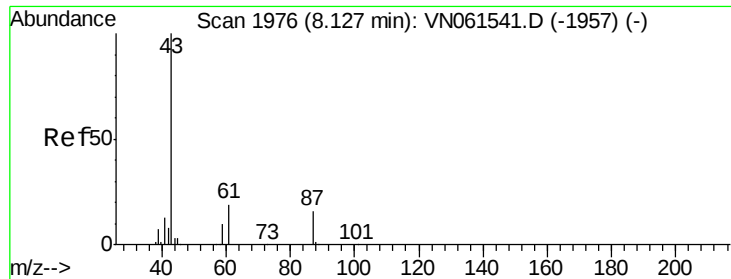
#42
1,2-Dichloroethane
Concen: 53.150 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Tgt Ion: 62 Resp: 258866
Ion Ratio Lower Upper
62 100
98 10.9 0.0 21.4



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

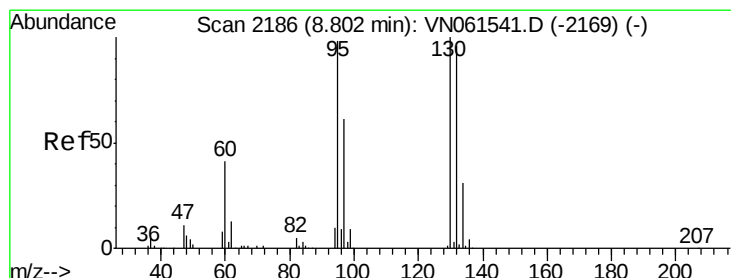
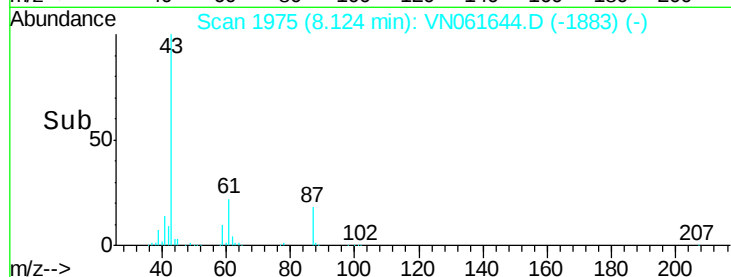
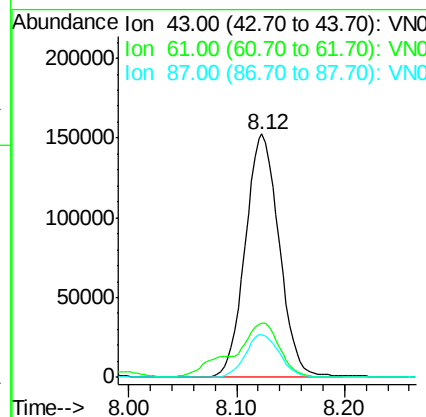
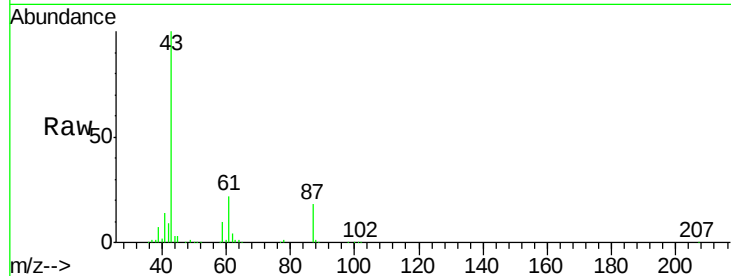




#43
Isopropyl Acetate
Concen: 48.886 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

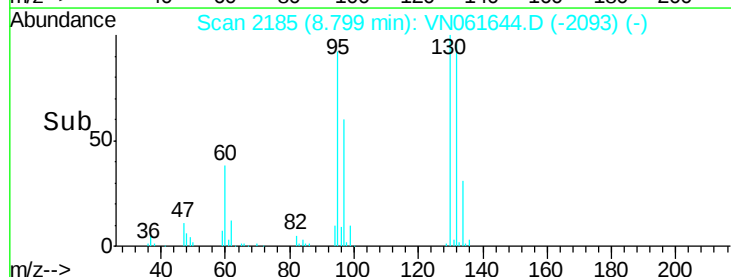
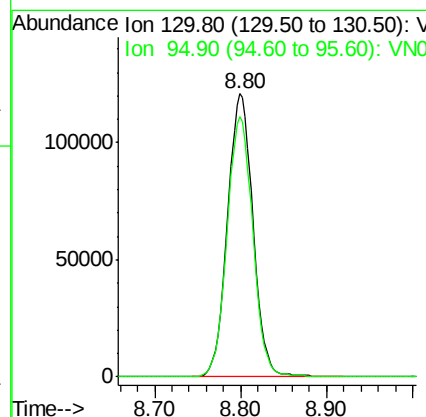
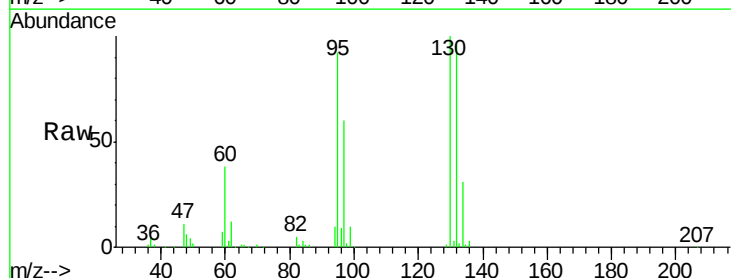
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 334009
Ion Ratio Lower Upper
43 100
61 30.2 23.6 35.4
87 17.6 13.0 19.6



#44
Trichloroethene
Concen: 55.661 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Tgt Ion:130 Resp: 248858
Ion Ratio Lower Upper
130 100
95 91.9 0.0 196.6





#45

1,2-Dichloropropane

Concen: 55.361 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

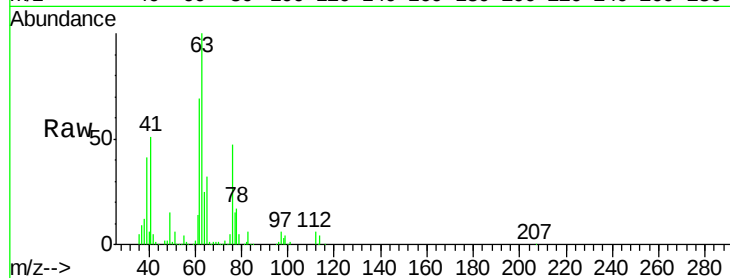
VSTDCCC050

Tot Ion: 63 Resp: 191247

Ion Ratio Lower Upper

63 100

65 32.3 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN061541.D (-2250) (-)

Ion 64.90 (64.60 to 65.60): VN061541.D (-2250) (-)

9.08

100000

80000

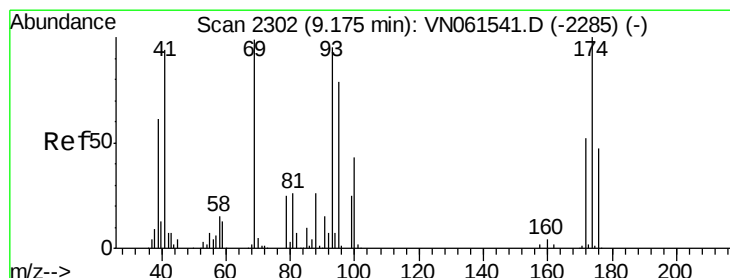
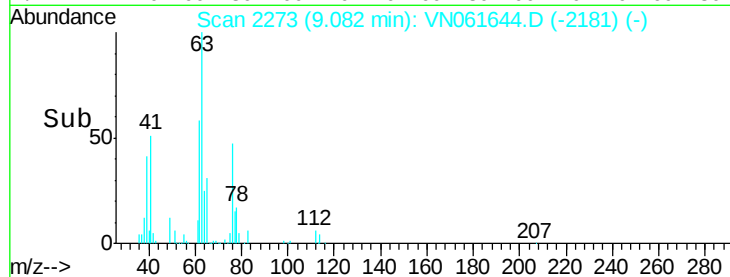
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 54.393 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

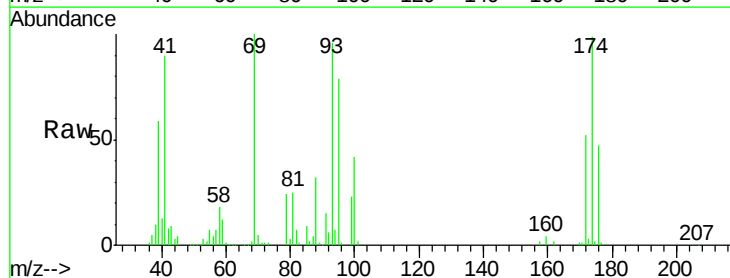
Tgt Ion: 93 Resp: 144109

Ion Ratio Lower Upper

93 100

95 83.6 66.0 99.0

174 105.1 82.5 123.7



Abundance Ion 92.80 (92.50 to 93.50): VN061541.D (-2285) (-)

Ion 94.80 (94.50 to 95.50): VN061541.D (-2285) (-)

Ion 173.70 (173.40 to 174.40): VN061541.D (-2285) (-)

9.17

100000

80000

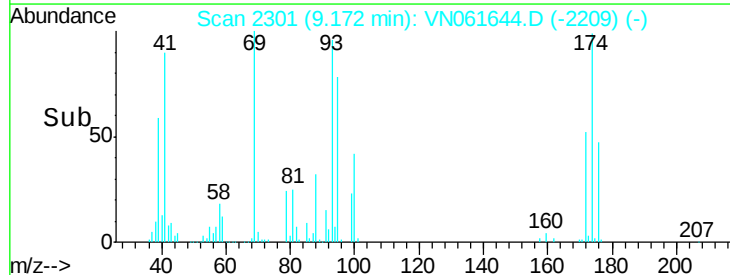
60000

40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 55.429 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

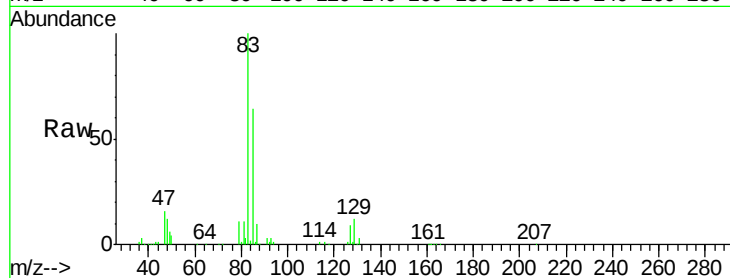
Tot Ion: 83 Resp: 290956

Ion Ratio Lower Upper

83 100

85 64.2 51.1 76.7

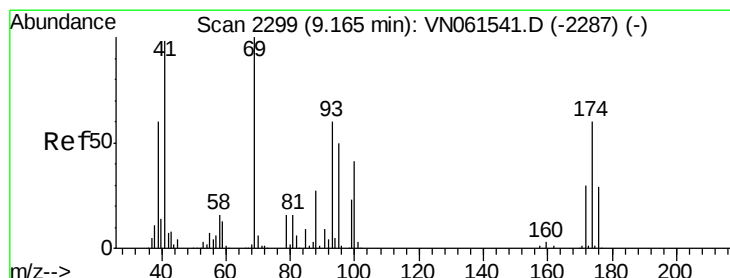
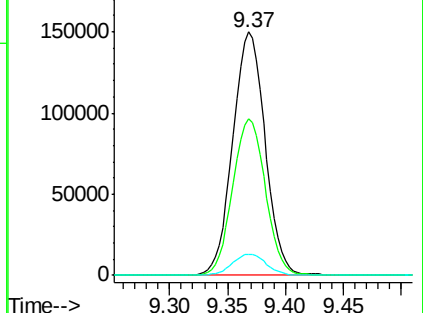
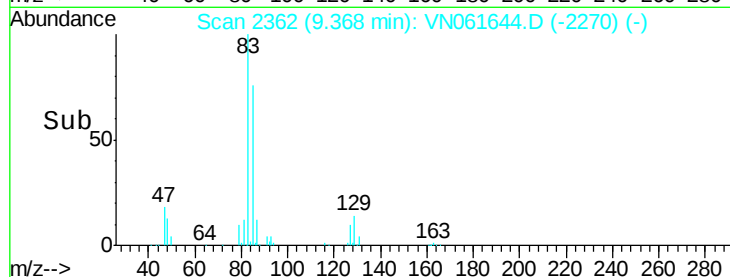
127 8.8 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN061644.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061644.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061644.D (-2270) (-)



#48

Methyl methacrylate

Concen: 46.577 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

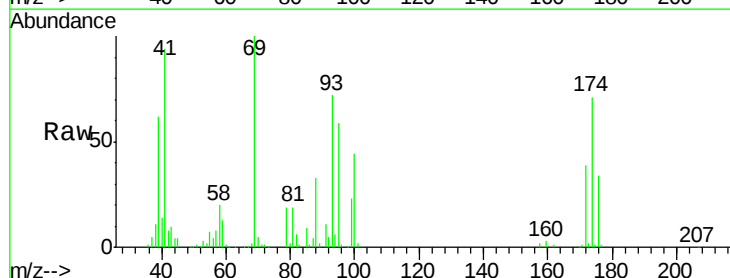
Tgt Ion: 41 Resp: 143177

Ion Ratio Lower Upper

41 100

69 111.5 83.9 125.9

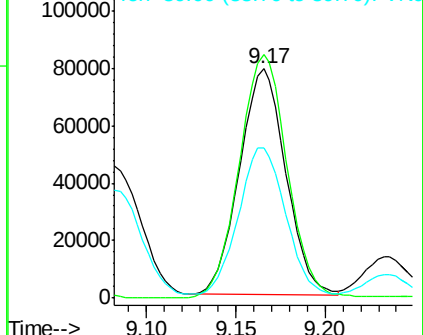
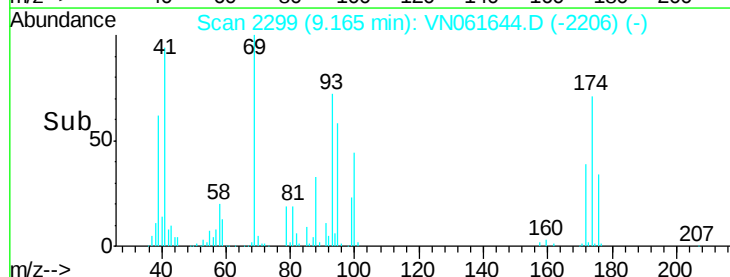
39 68.9 52.1 78.1



Abundance Ion 41.00 (40.70 to 41.70): VN061644.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061644.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061644.D (-2206) (-)

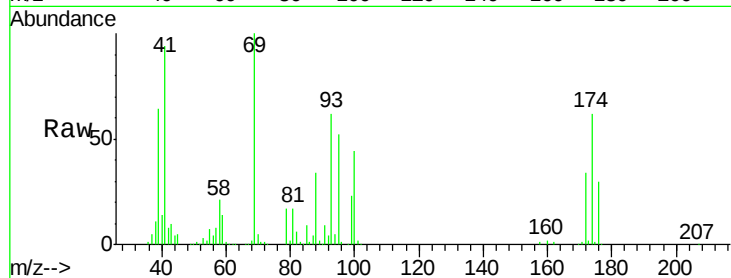




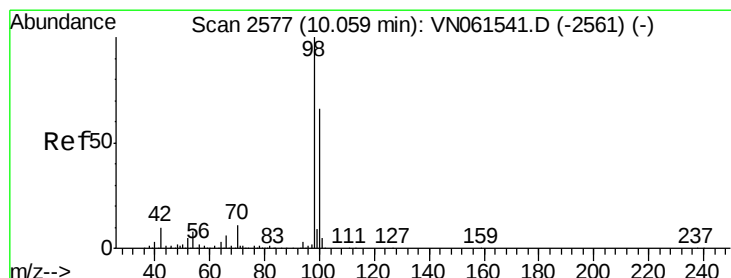
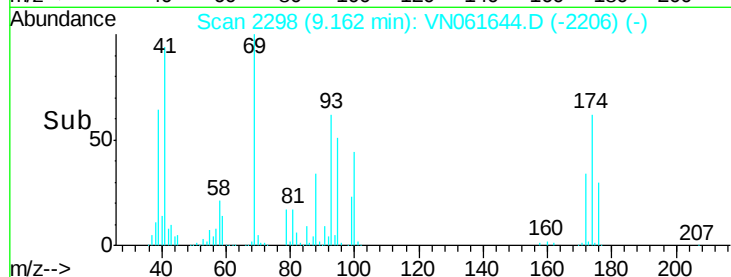
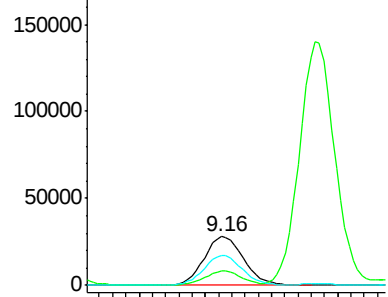
#49
1,4-Dioxane
Concen: 1230.280 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 58588
Ion Ratio Lower Upper
88 100
43 27.2 23.1 34.7
58 59.0 48.3 72.5

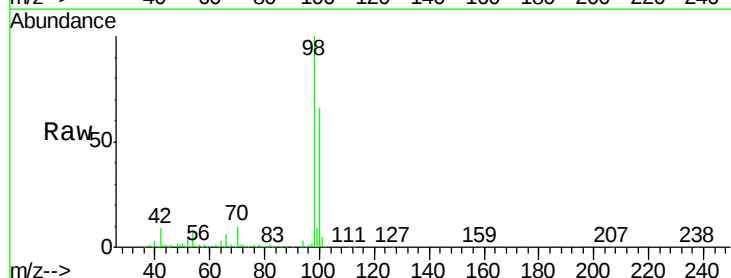


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

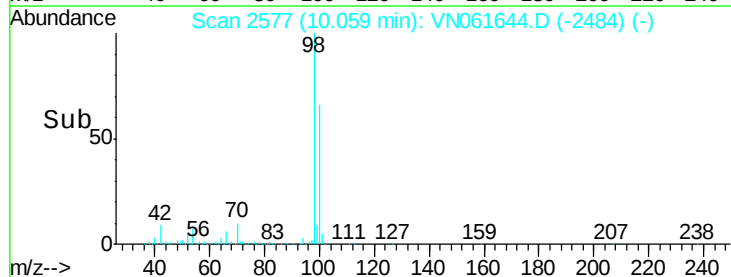
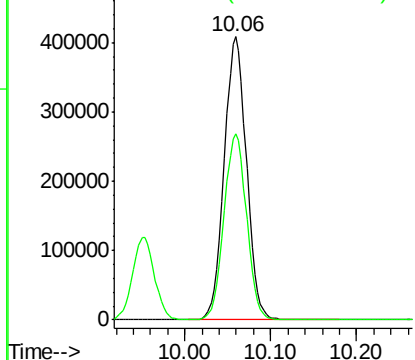


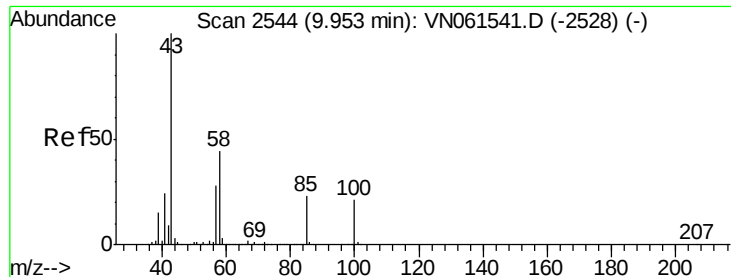
#50
Toluene-d8
Concen: 58.766 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Tgt Ion: 98 Resp: 735797
Ion Ratio Lower Upper
98 100
100 66.5 52.8 79.2



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





#51

4-Methyl-2-Pentanone

Concen: 252.590 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

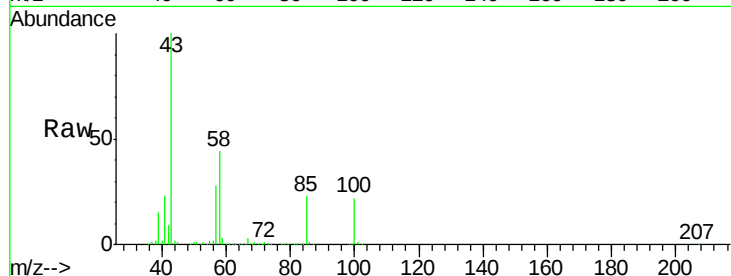
VSTDCCC050

Tot Ion: 43 Resp: 972534

Ion Ratio Lower Upper

43 100

58 44.5 35.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN061541.D (-2528) (-)

9.95

600000

500000

400000

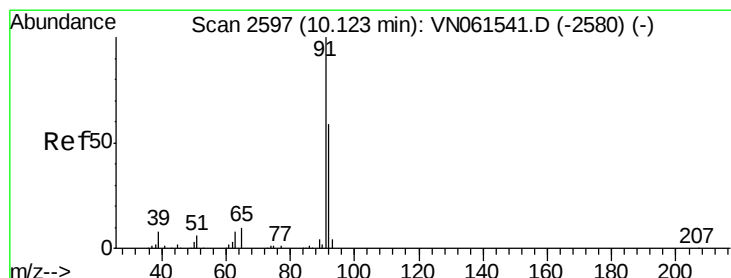
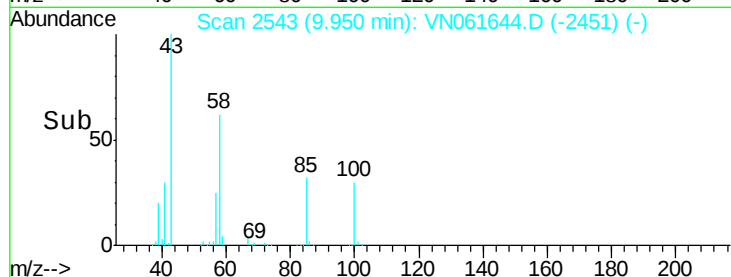
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 56.973 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061644.D

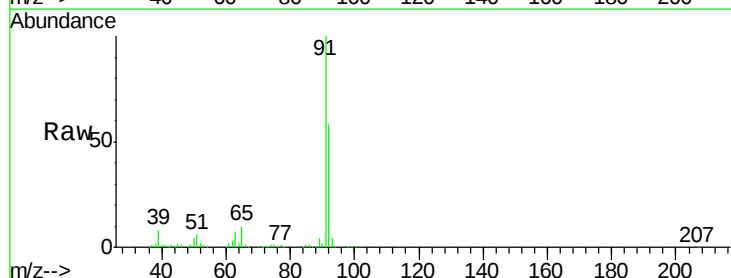
Acq: 4 Jun 2020 11:03

Tgt Ion: 92 Resp: 540974

Ion Ratio Lower Upper

92 100

91 170.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VN061541.D (-2580) (-)

Ion 91.00 (90.70 to 91.70): VN061541.D (-2580) (-)

10.12

600000

500000

400000

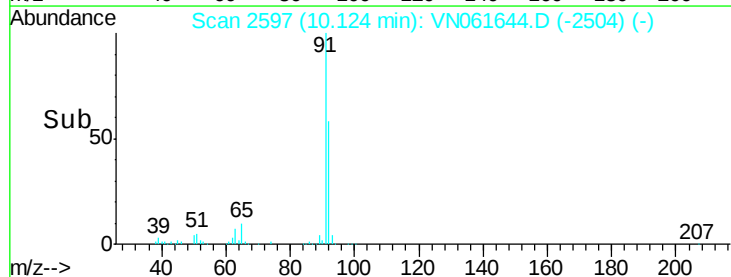
300000

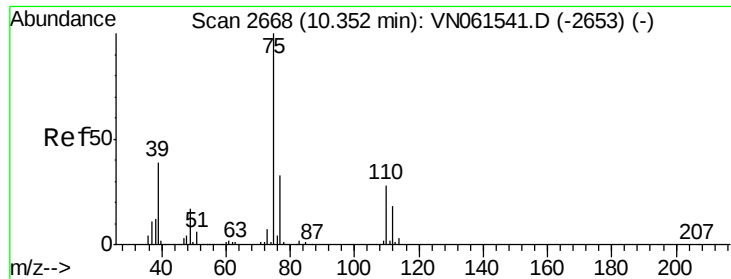
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 55.020 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

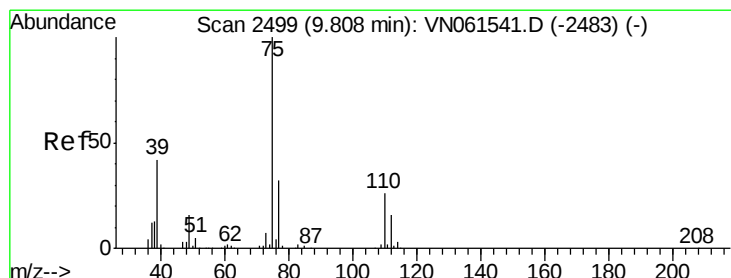
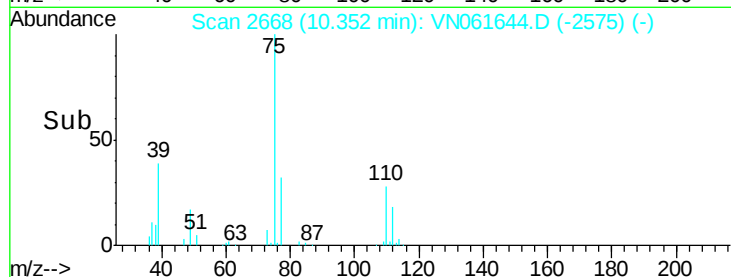
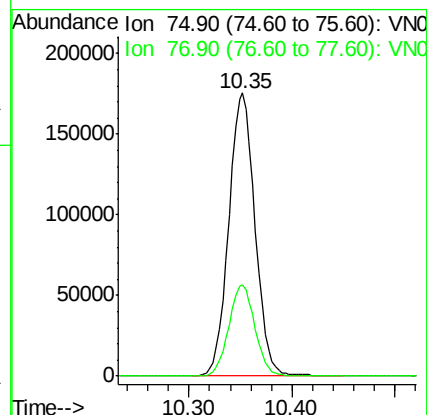
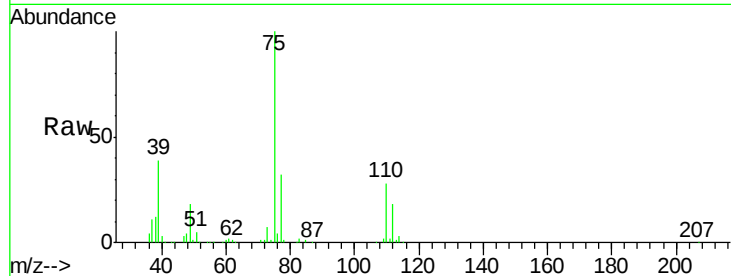
VSTDCCC050

Tot Ion: 75 Resp: 311117

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 55.217 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

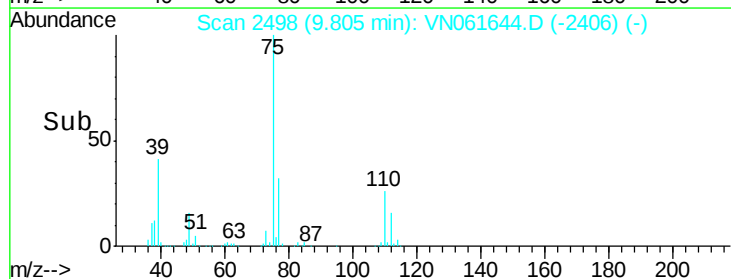
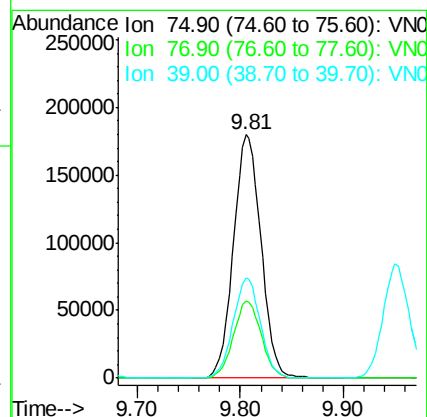
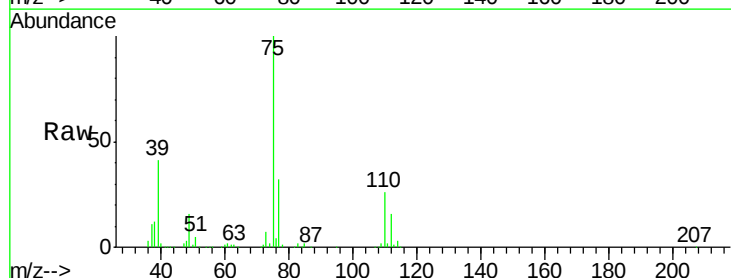
Tgt Ion: 75 Resp: 335724

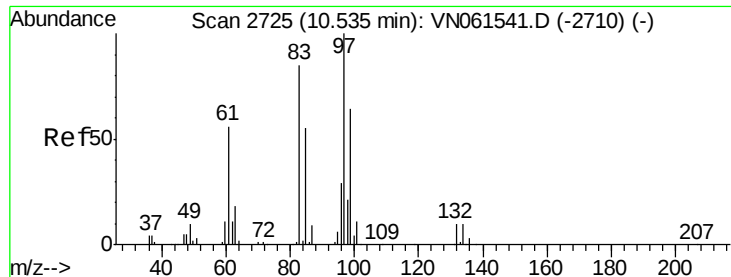
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

39 40.9 33.8 50.6

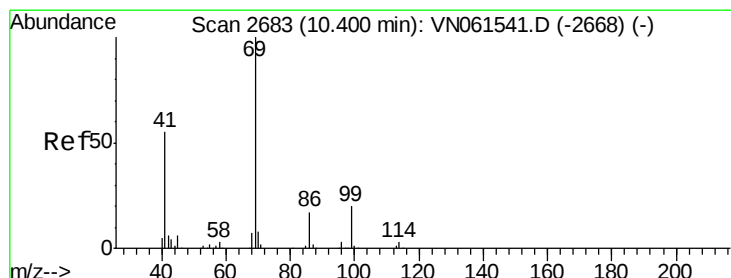
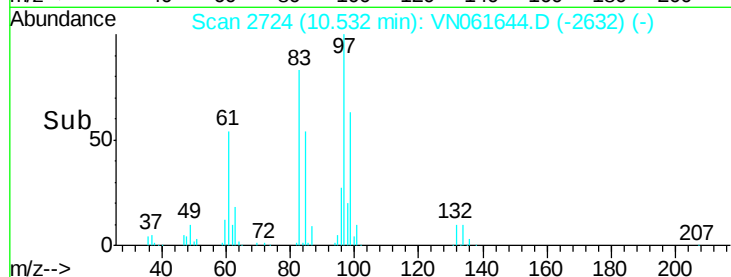
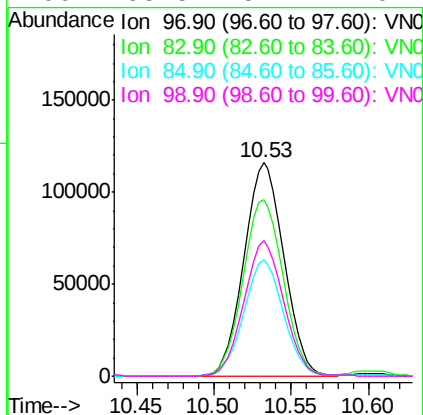
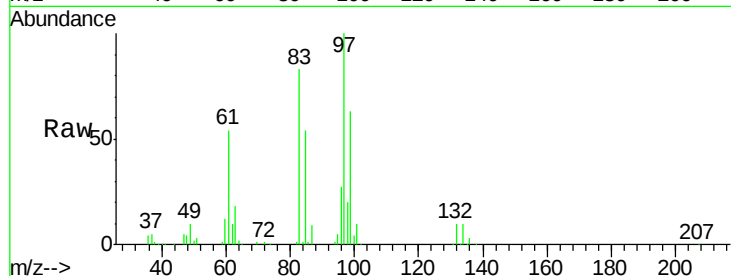




#55
 1,1,2-Trichloroethane
 Concen: 55.261 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061644.D
 Acq: 4 Jun 2020 11:03

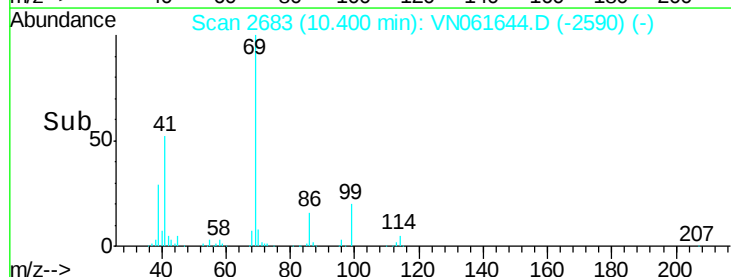
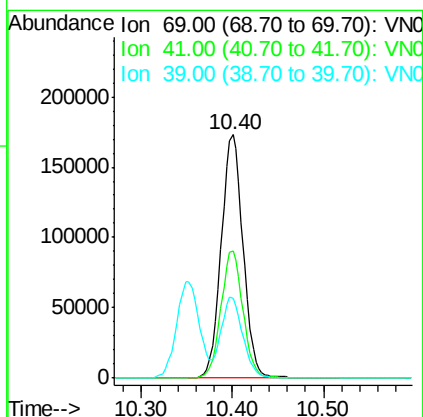
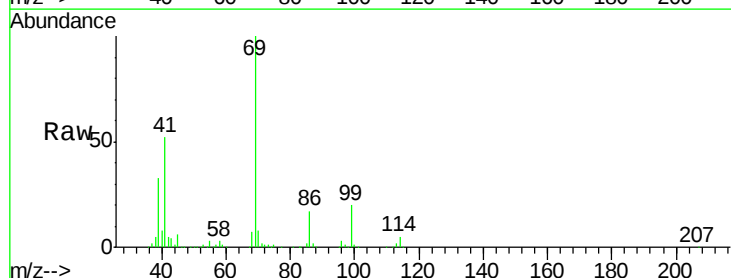
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

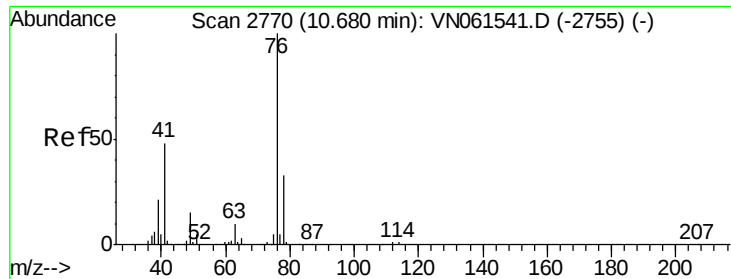
Tot Ion: 97 Resp: 209052
 Ion Ratio Lower Upper
 97 100
 83 83.0 68.1 102.1
 85 54.4 44.1 66.1
 99 63.5 51.1 76.7



#56
 Ethyl methacrylate
 Concen: 54.814 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061644.D
 Acq: 4 Jun 2020 11:03

Tgt Ion: 69 Resp: 289666
 Ion Ratio Lower Upper
 69 100
 41 51.6 43.5 65.3
 39 32.4 27.0 40.6





#57

1,3-Dichloropropane

Concen: 55.298 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

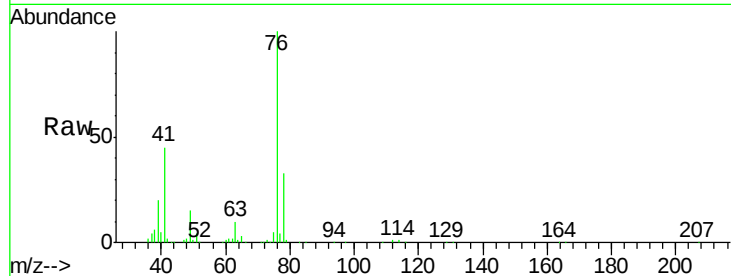
VSTDCCC050

Tot Ion: 76 Resp: 334574

Ion Ratio Lower Upper

76 100

78 32.6 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VN061541.D (-2755) (-)

Ion 77.90 (77.60 to 78.60): VN061541.D (-2755) (-)

10.68

200000

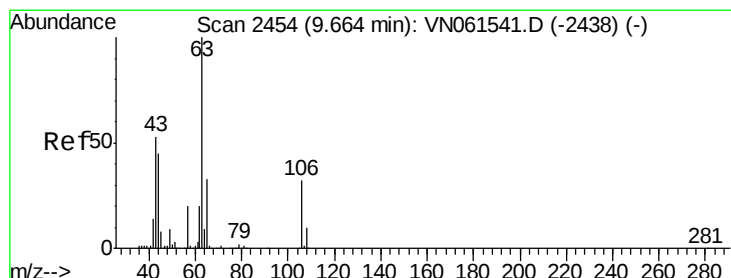
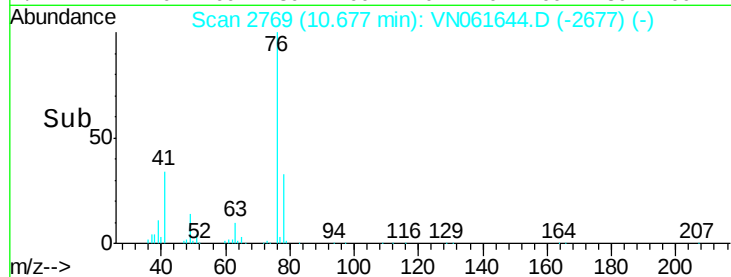
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 279.379 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN061644.D

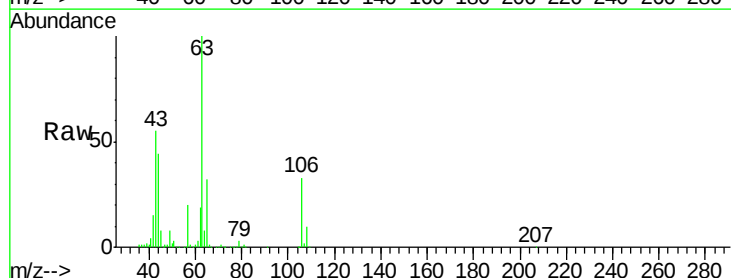
Acq: 4 Jun 2020 11:03

Tgt Ion: 63 Resp: 630923

Ion Ratio Lower Upper

63 100

106 33.2 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VN061541.D (-2438) (-)

Ion 105.90 (105.60 to 106.60): VN061541.D (-2438) (-)

9.66

400000

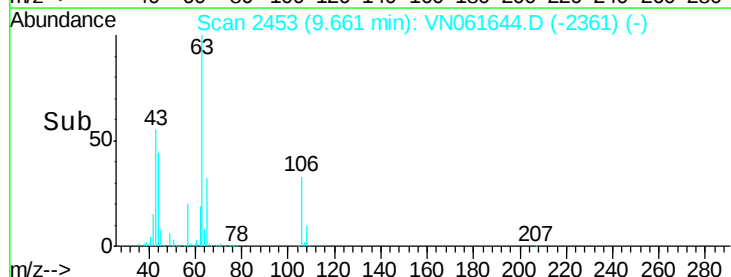
300000

200000

100000

0

Time-->

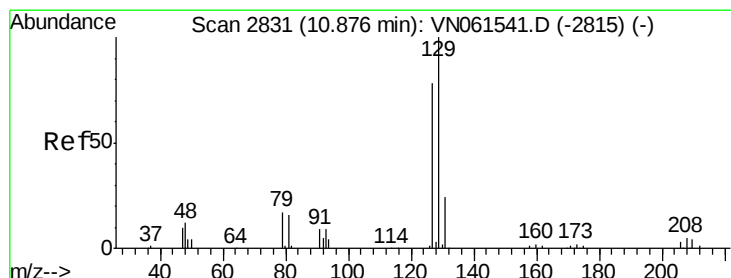
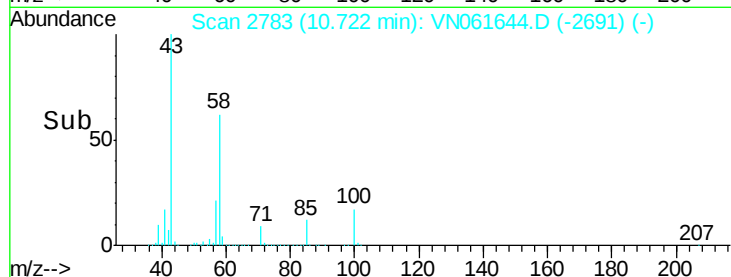
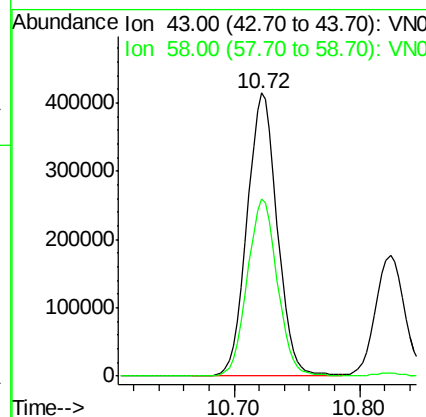
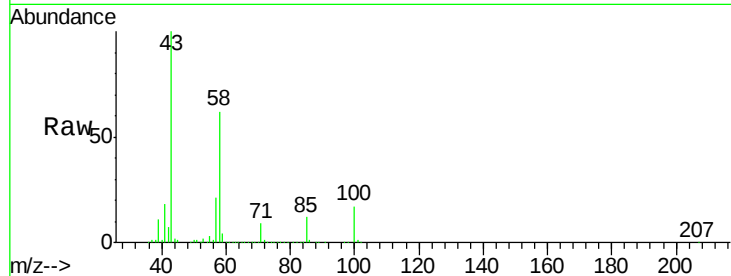




#59
2-Hexanone
Concen: 251.346 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

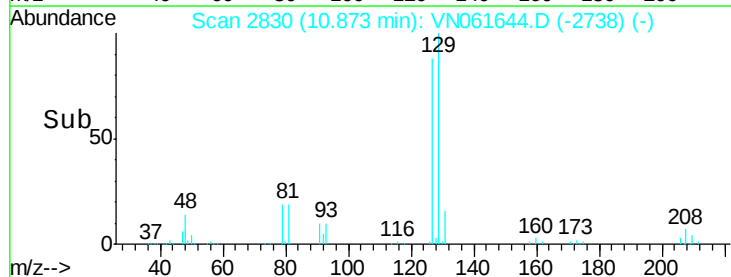
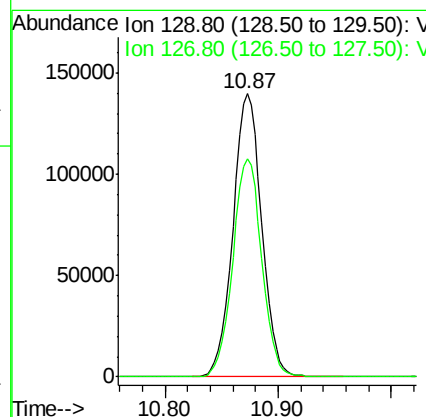
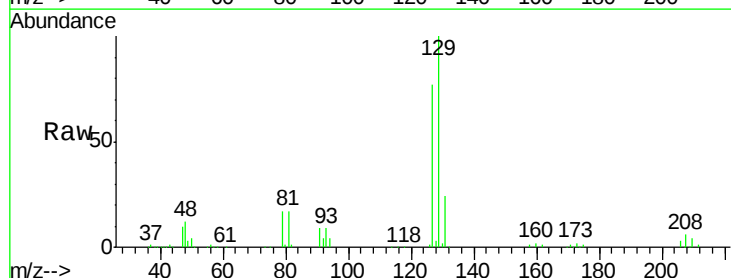
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 695007
Ion Ratio Lower Upper
43 100
58 62.4 30.7 92.1



#60
Dibromochloromethane
Concen: 57.449 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Tgt Ion: 129 Resp: 247074
Ion Ratio Lower Upper
129 100
127 77.7 38.8 116.3





#61

1,2-Dibromoethane

Concen: 56.146 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampled :

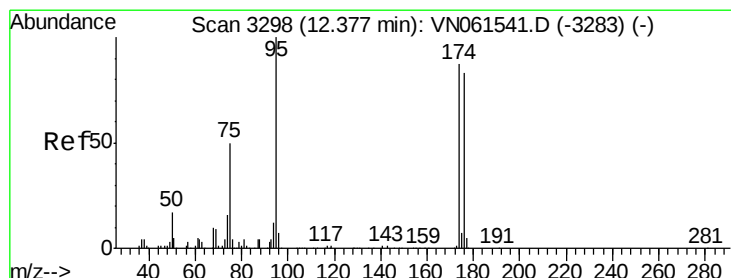
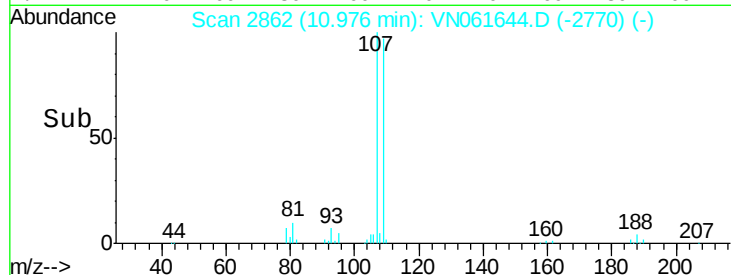
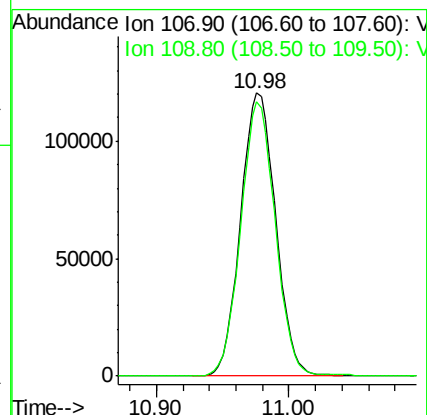
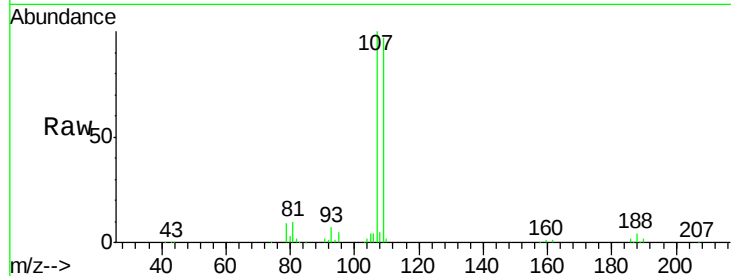
VSTDCCC050

Tot Ion:107 Resp: 221524

Ion Ratio Lower Upper

107 100

109 95.3 76.1 114.1



#62

4-Bromofluorobenzene

Concen: 59.451 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

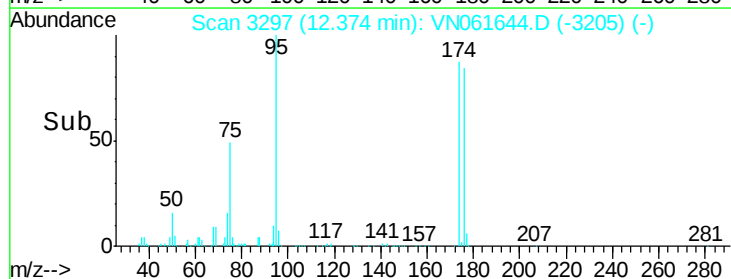
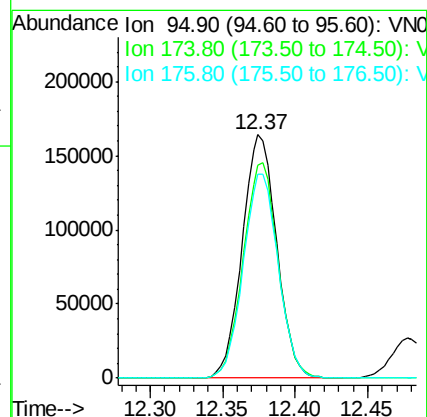
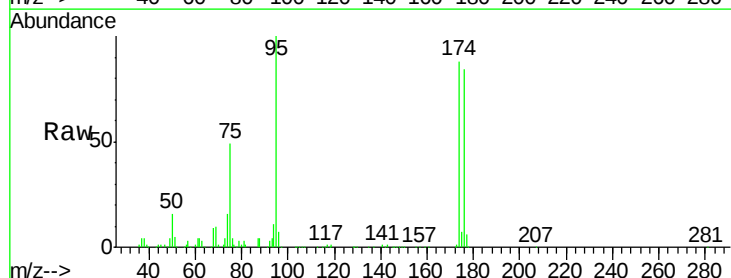
Tgt Ion: 95 Resp: 271573

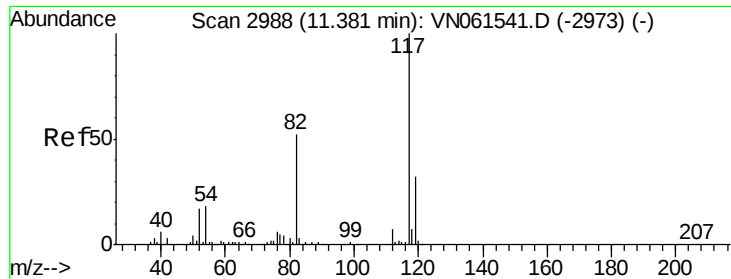
Ion Ratio Lower Upper

95 100

174 89.0 0.0 172.8

176 85.2 0.0 164.8

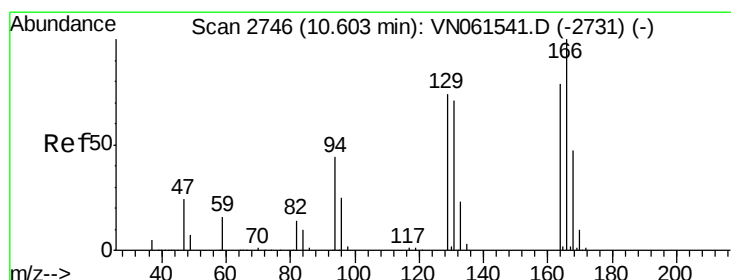
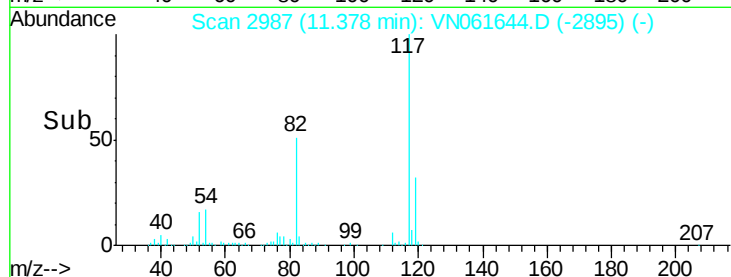
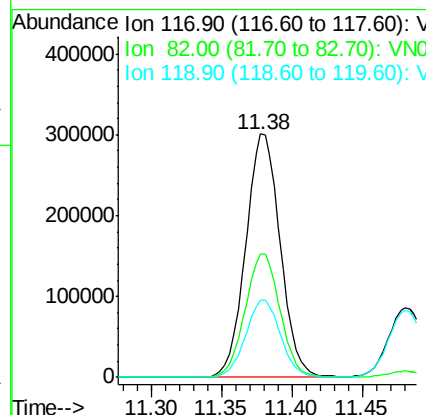
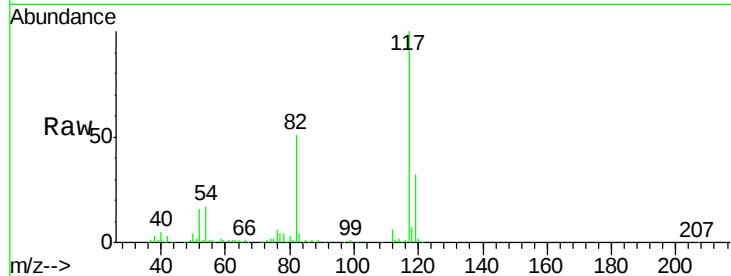




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

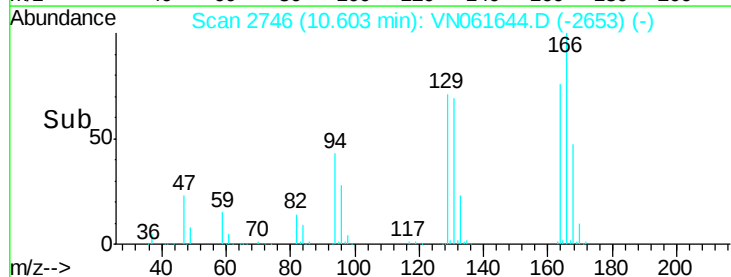
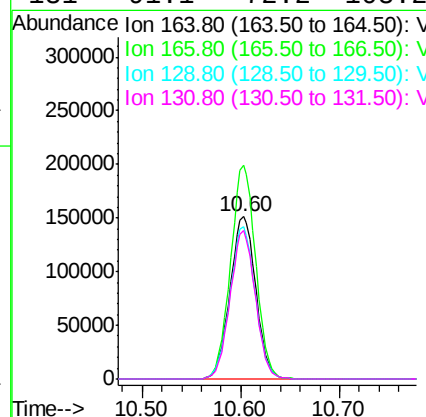
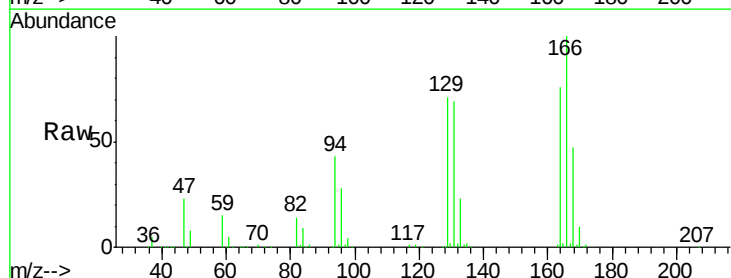
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 516224
Ion Ratio Lower Upper
117 100
82 50.7 41.5 62.3
119 31.6 25.6 38.4



#64
Tetrachloroethene
Concen: 56.949 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Tgt Ion:164 Resp: 276730
Ion Ratio Lower Upper
164 100
166 131.4 101.5 152.3
129 93.6 74.9 112.3
131 91.1 72.2 108.2





#65

Chlorobenzene

Concen: 55.689 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

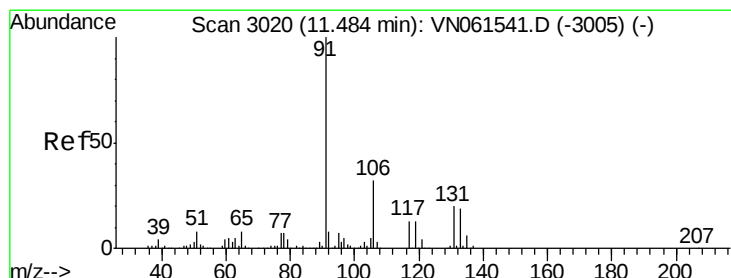
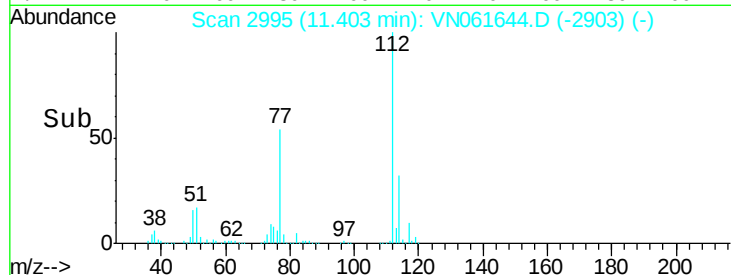
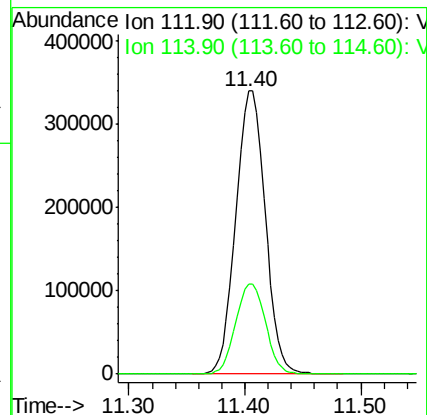
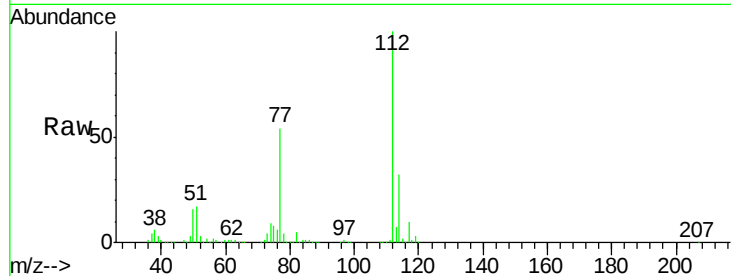
VSTDCCC050

Tot Ion:112 Resp: 597567

Ion Ratio Lower Upper

112 100

114 32.0 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 56.457 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

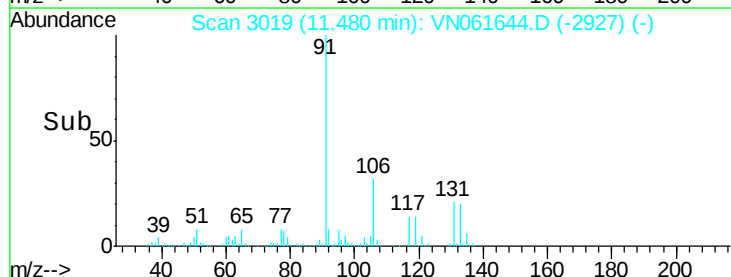
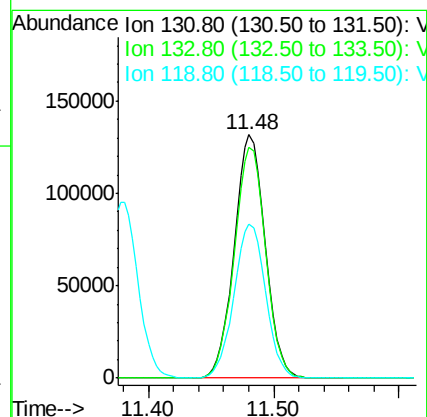
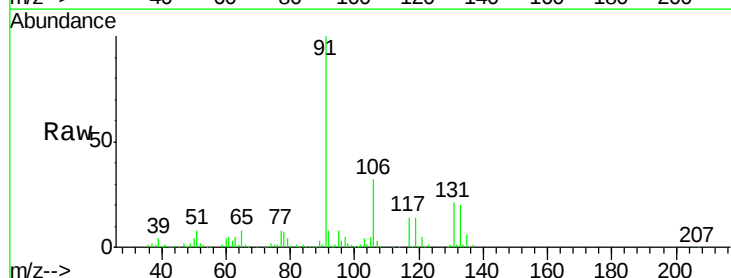
Tgt Ion:131 Resp: 225570

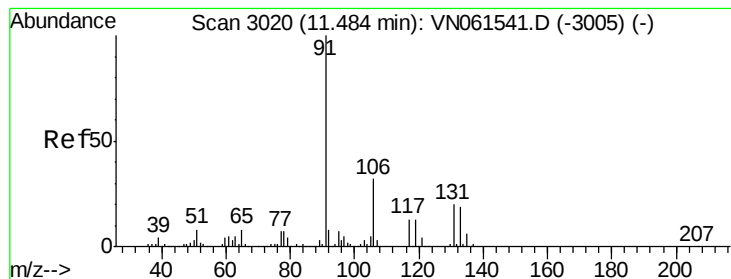
Ion Ratio Lower Upper

131 100

133 95.9 47.4 142.2

119 64.8 32.6 97.8





#67

Ethyl Benzene

Concen: 56.551 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

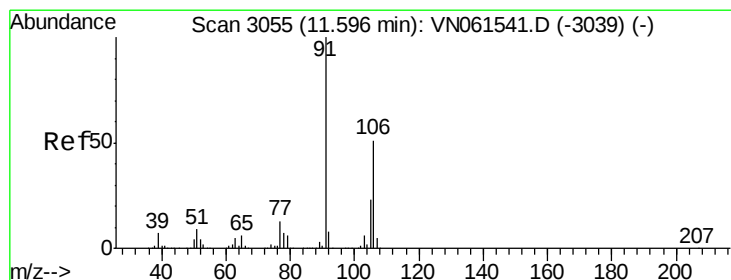
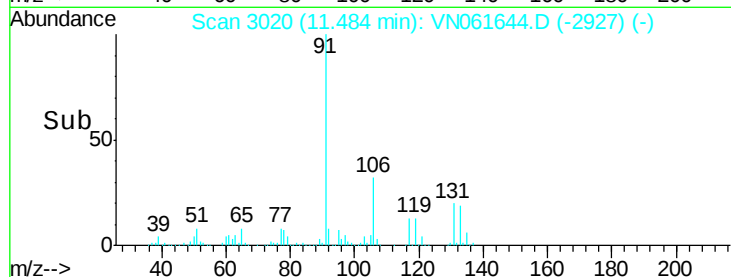
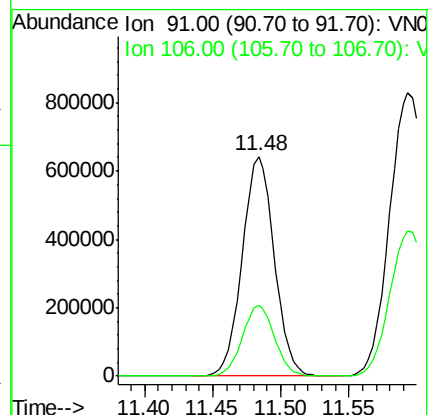
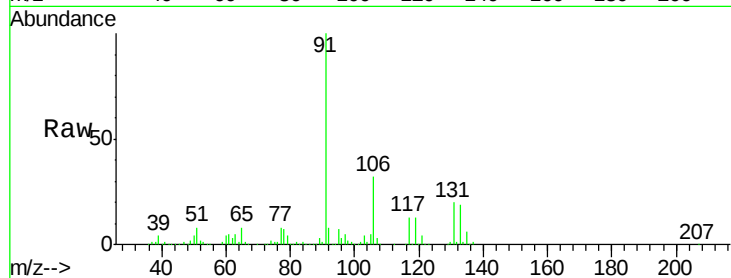
VSTDCCC050

Tot Ion: 91 Resp: 1048818

Ion Ratio Lower Upper

91 100

106 32.4 25.6 38.4



#68

m/p-Xylenes

Concen: 112.197 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN061644.D

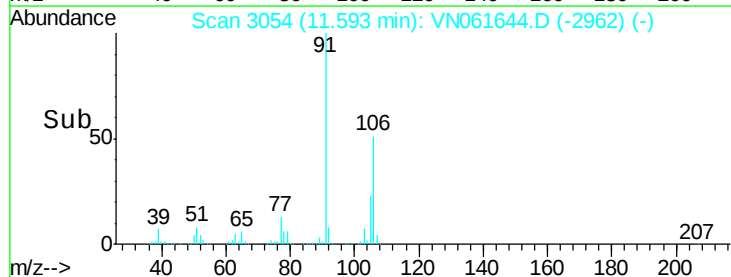
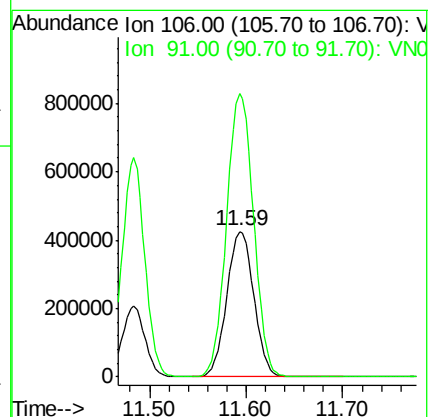
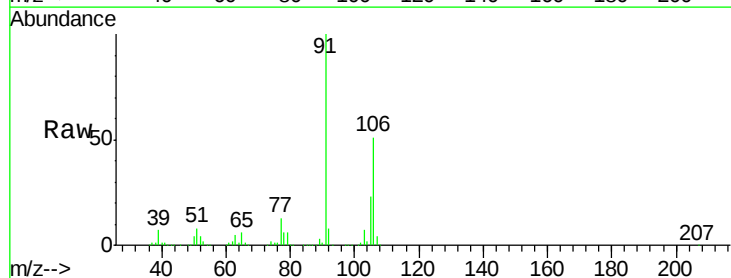
Acq: 4 Jun 2020 11:03

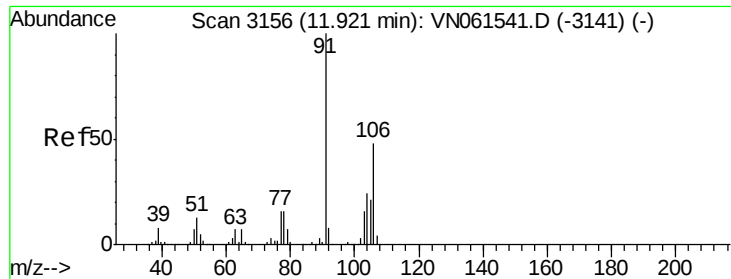
Tgt Ion: 106 Resp: 825066

Ion Ratio Lower Upper

106 100

91 194.1 156.2 234.4

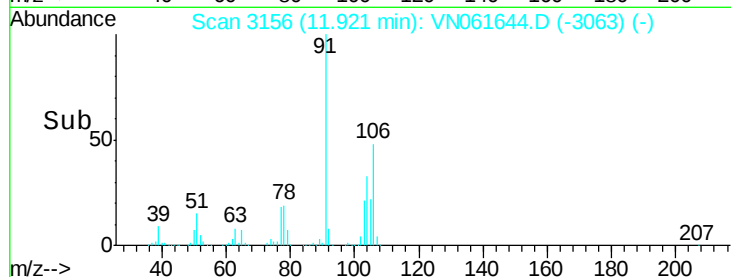
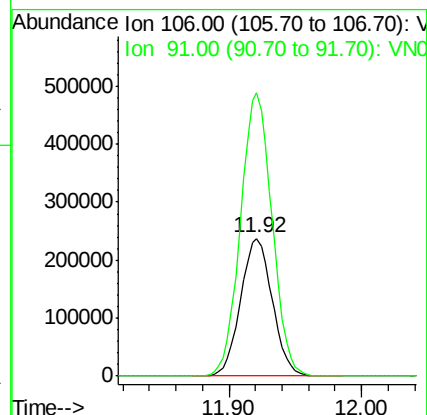
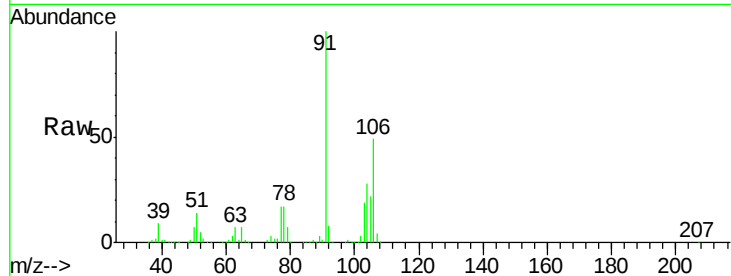




#69
o-Xylene
Concen: 56.517 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

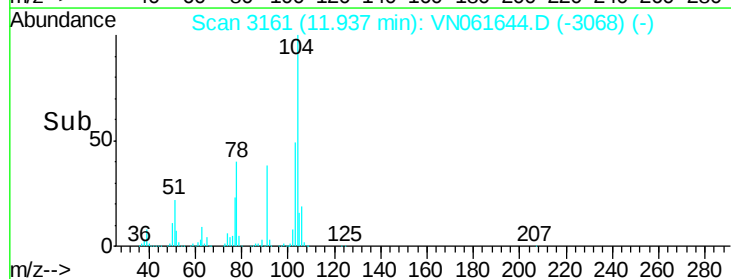
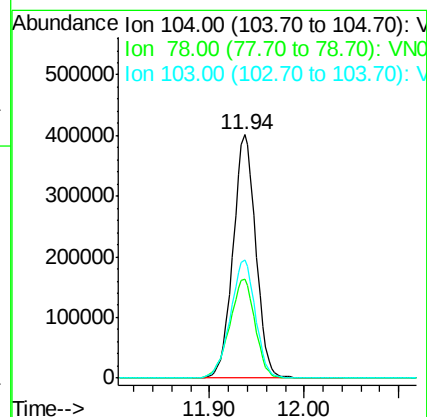
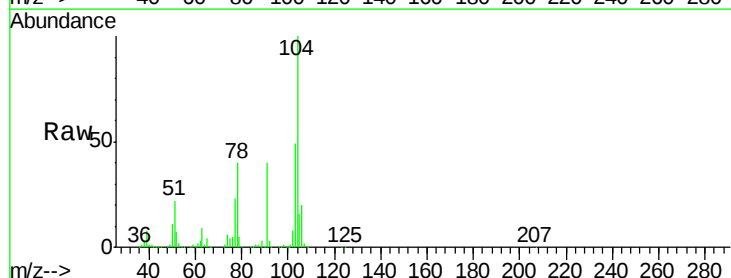
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

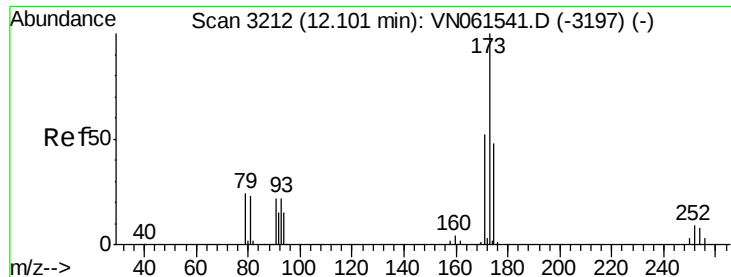
Tot Ion:106 Resp: 394746
Ion Ratio Lower Upper
106 100
91 204.5 103.3 309.8



#70
Styrene
Concen: 57.995 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Tgt Ion:104 Resp: 670810
Ion Ratio Lower Upper
104 100
78 45.5 37.4 56.0
103 53.2 42.3 63.5





#71

Bromoform

Concen: 57.232 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

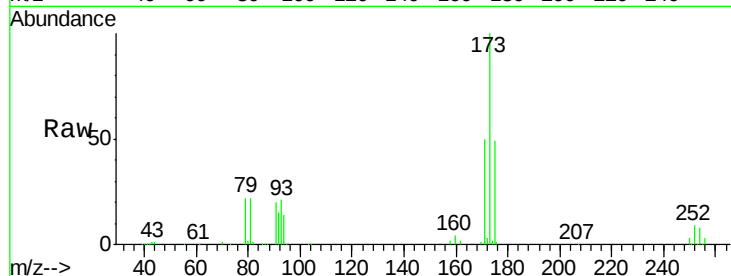
Tot Ion:173 Resp: 176203

Ion Ratio Lower Upper

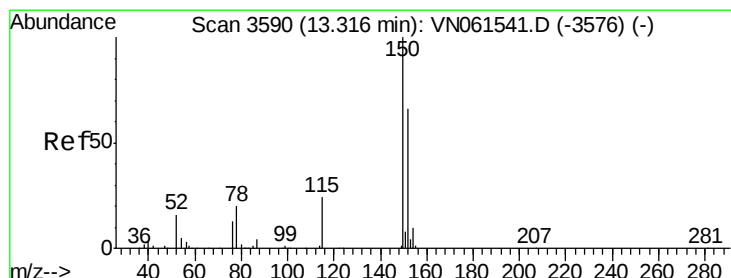
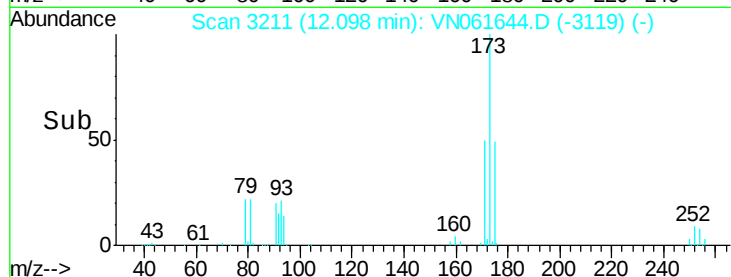
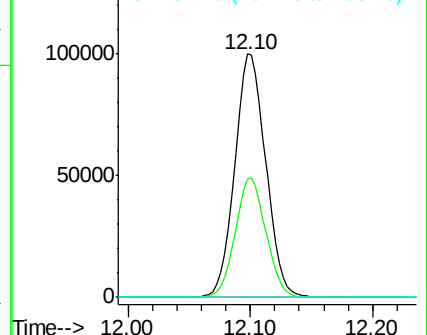
173 100

175 48.7 24.4 73.2

254 0.1 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: VN061644.D

Acq: 4 Jun 2020 11:03

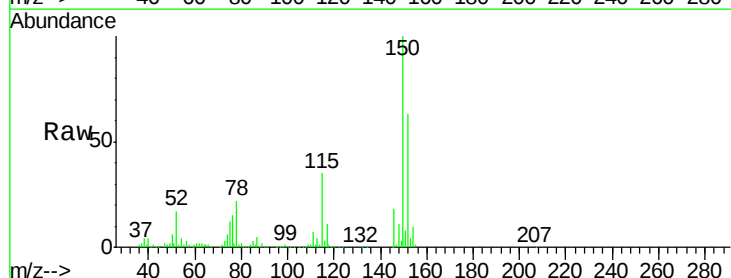
Tgt Ion:152 Resp: 266932

Ion Ratio Lower Upper

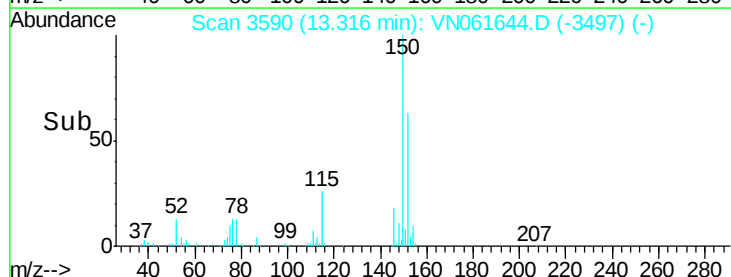
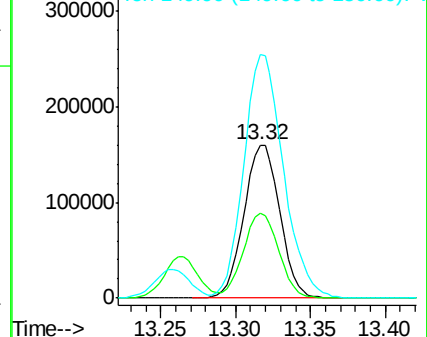
152 100

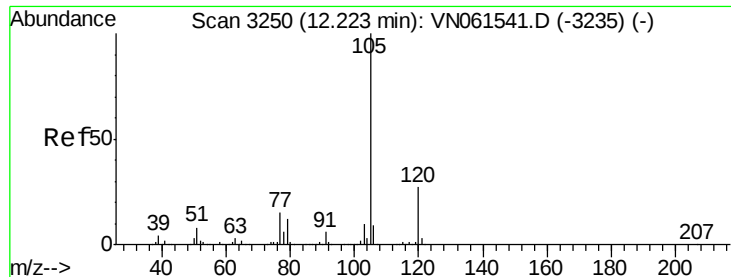
115 55.0 28.0 84.0

150 175.9 0.0 344.0



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: 53.866 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

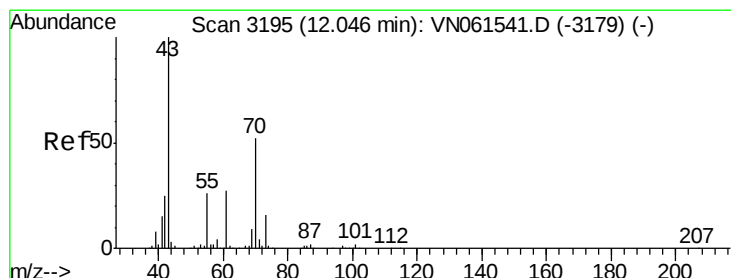
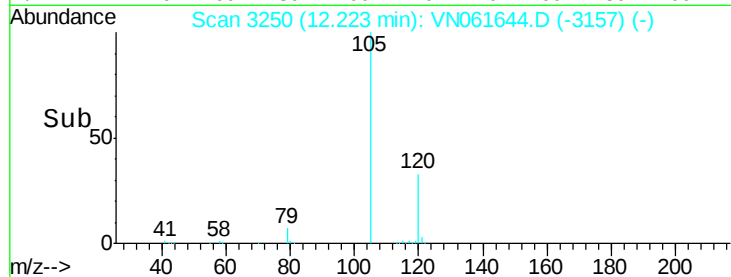
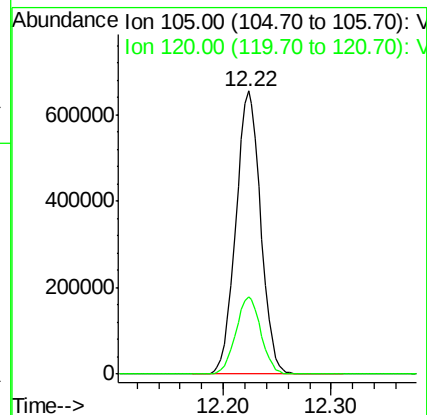
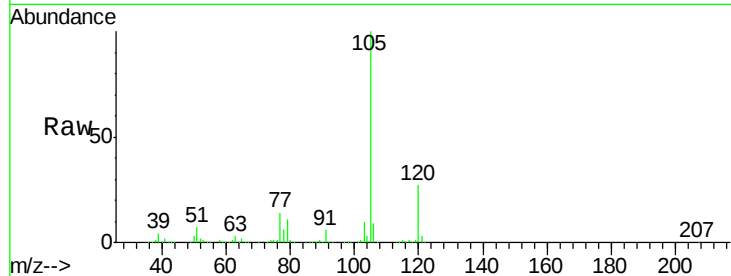
VSTDCCC050

Tot Ion:105 Resp: 1049449

Ion Ratio Lower Upper

105 100

120 27.5 13.8 41.3



#74

N-ethyl acetate

Concen: 48.378 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Tgt Ion: 43 Resp: 296826

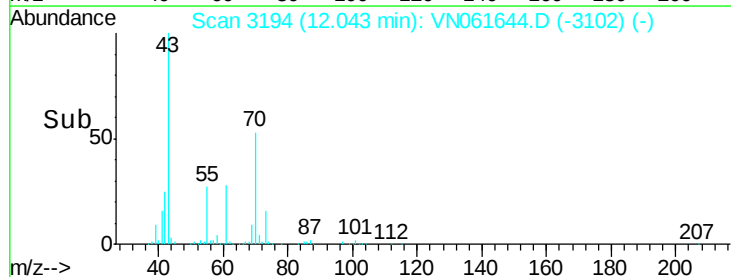
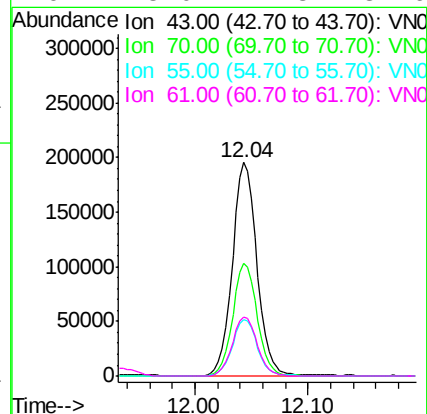
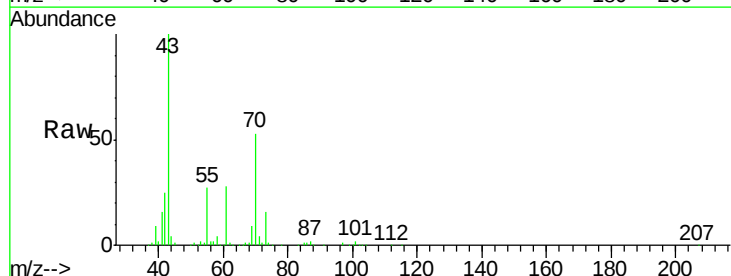
Ion Ratio Lower Upper

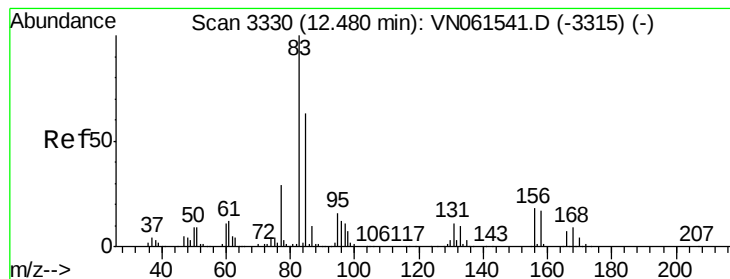
43 100

70 52.7 40.5 60.7

55 26.9 20.6 31.0

61 28.0 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.822 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

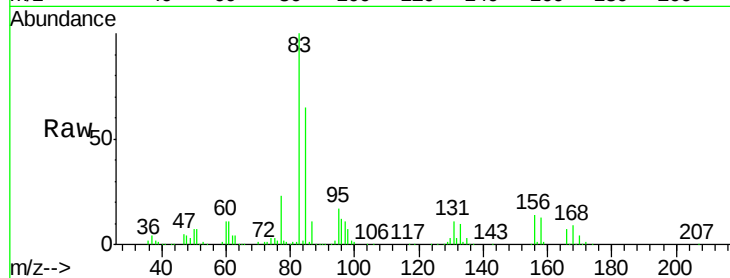
Tot Ion: 83 Resp: 266552

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.5

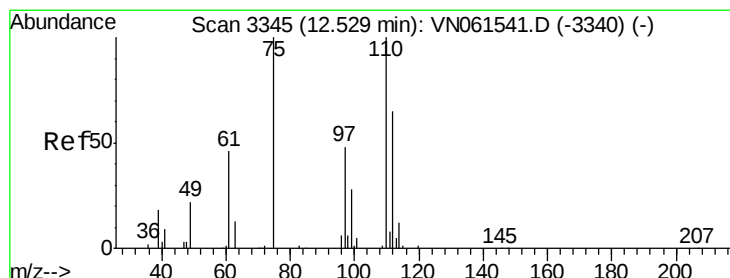
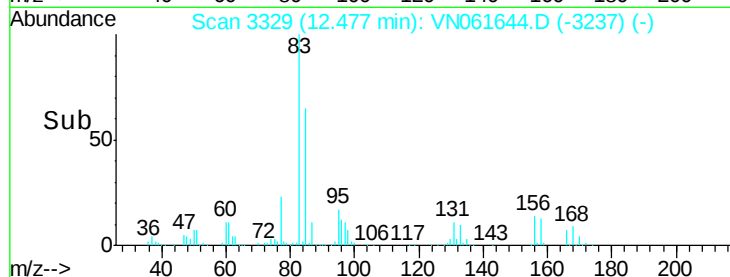
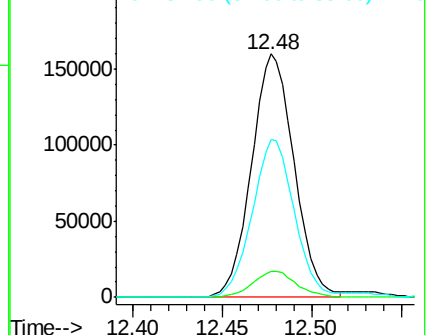
85 64.3 32.1 96.3



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: 46.093 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061644.D

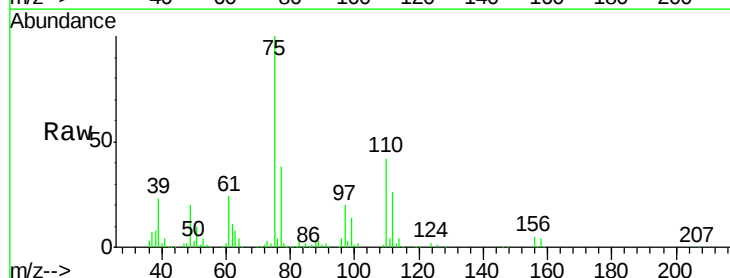
Acq: 4 Jun 2020 11:03

Tgt Ion: 75 Resp: 223728

Ion Ratio Lower Upper

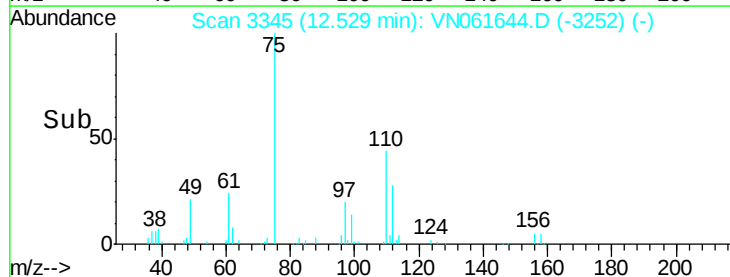
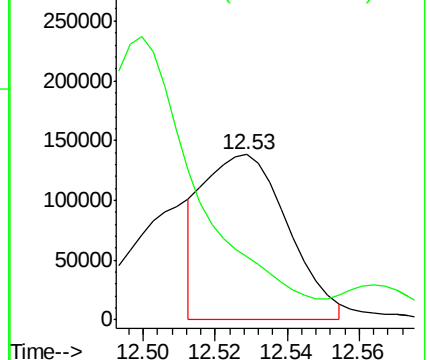
75 100

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: 54.787 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

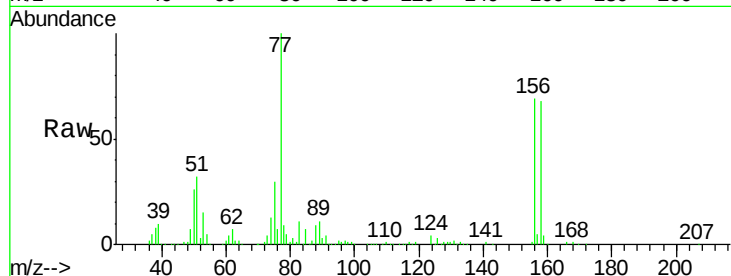
Tot Ion:156 Resp: 272460

Ion Ratio Lower Upper

156 100

77 173.4 90.9 272.7

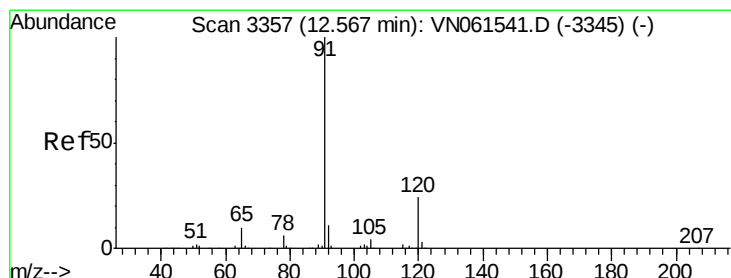
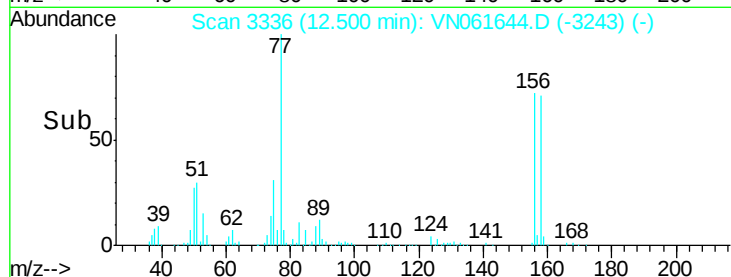
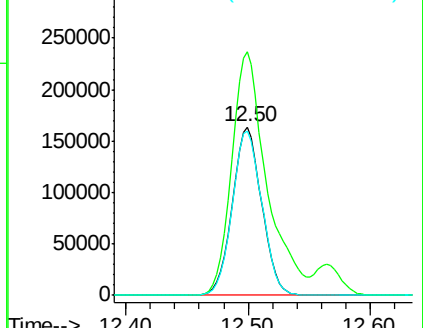
158 98.7 48.4 145.3



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: 54.193 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061644.D

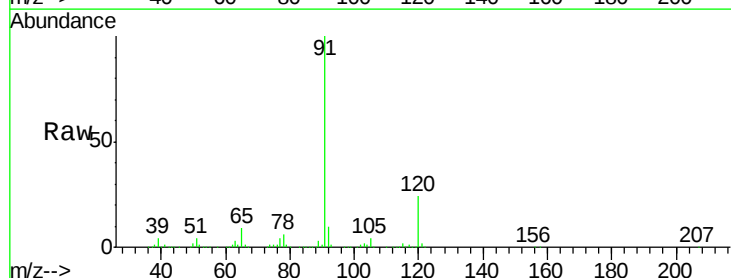
Acq: 4 Jun 2020 11:03

Tgt Ion: 91 Resp: 1178687

Ion Ratio Lower Upper

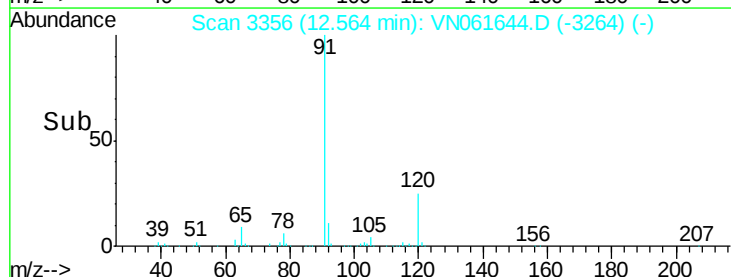
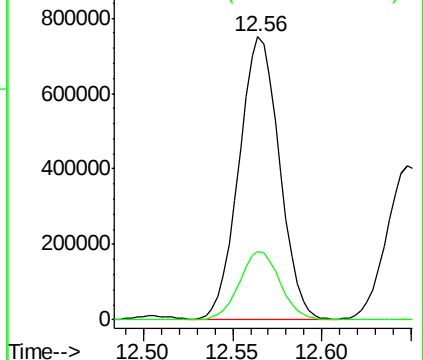
91 100

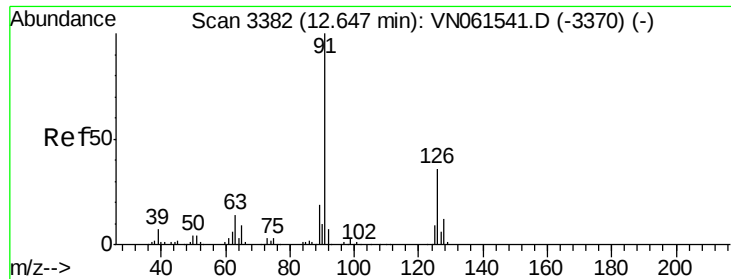
120 24.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.573 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

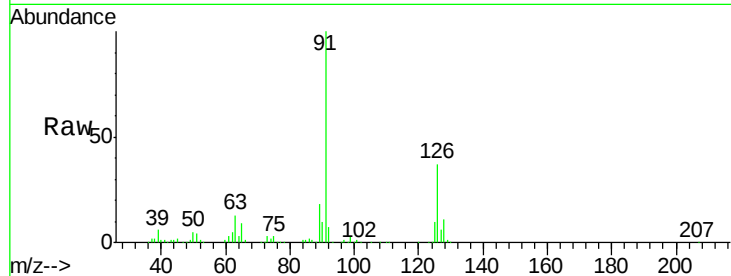
VSTDCCC050

Tot Ion: 91 Resp: 681826

Ion Ratio Lower Upper

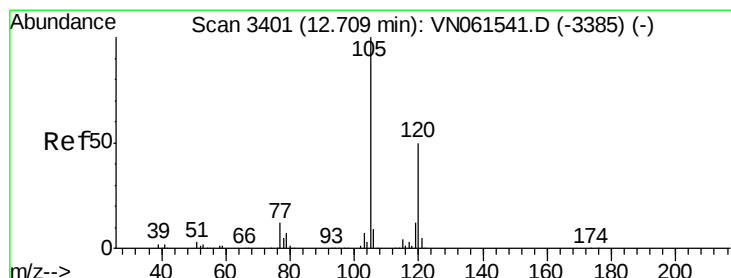
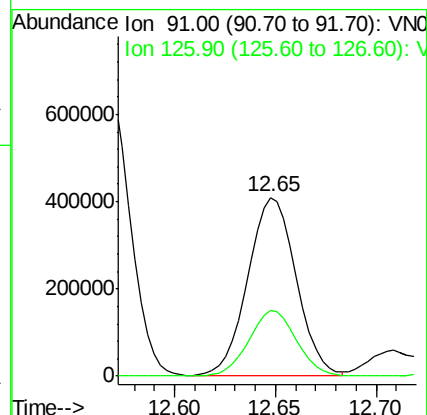
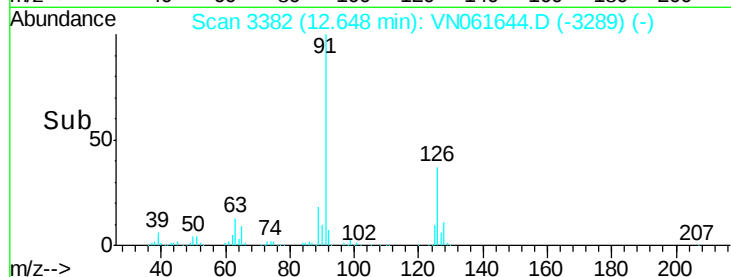
91 100

126 36.5 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN061644.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN061644.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.071 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061644.D

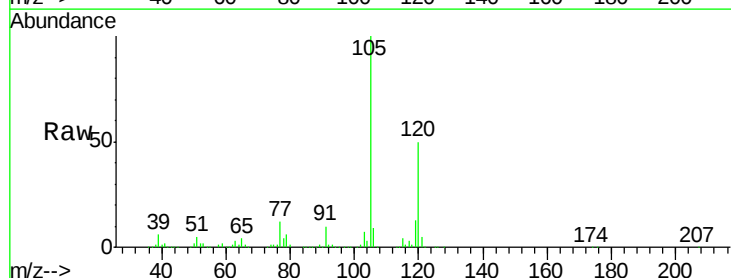
Acq: 4 Jun 2020 11:03

Tgt Ion: 105 Resp: 880480

Ion Ratio Lower Upper

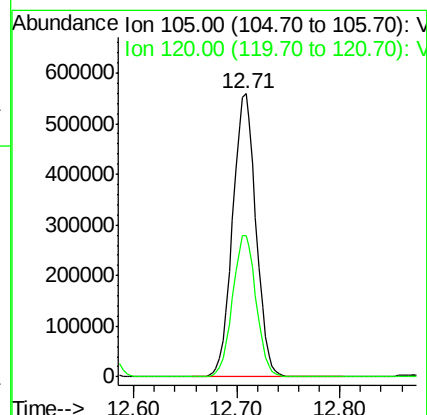
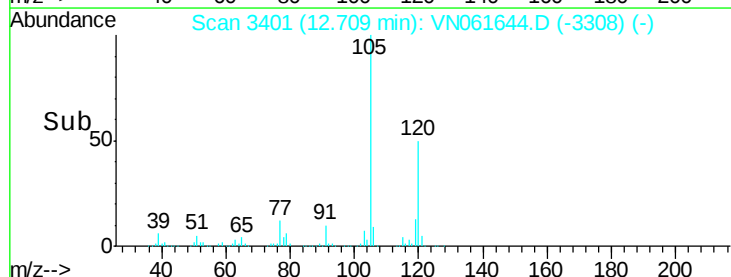
105 100

120 50.6 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061644.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN061644.D (-3401) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.057 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

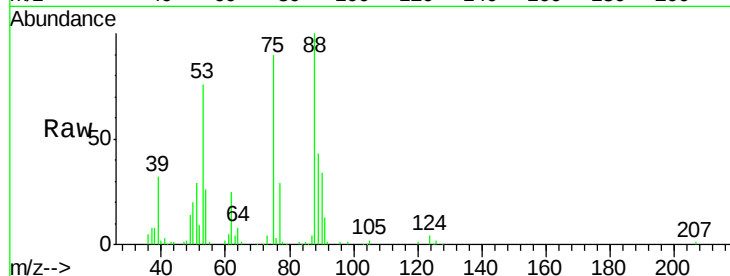
Tot Ion: 75 Resp: 95012

Ion Ratio Lower Upper

75 100

53 85.2 67.8 101.8

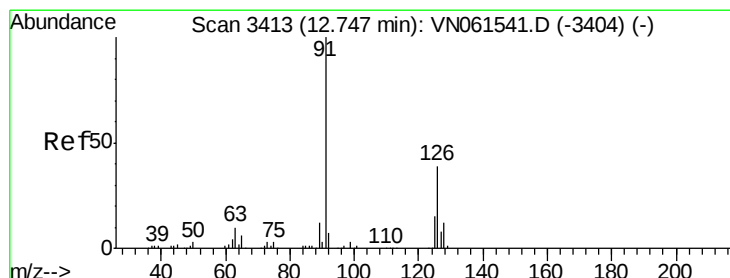
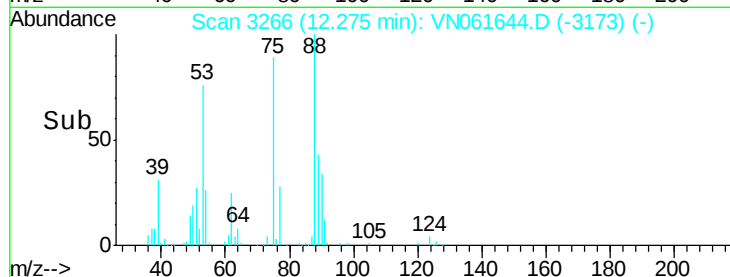
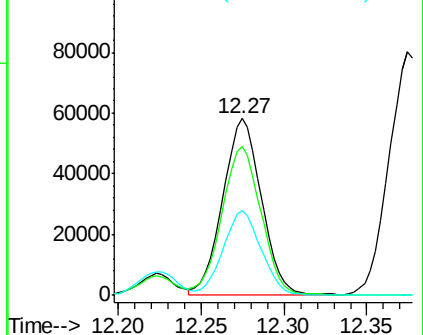
89 46.7 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VN061644.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN061644.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN061644.D (-3173) (-)



#82

4-Chlorotoluene

Concen: 52.789 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061644.D

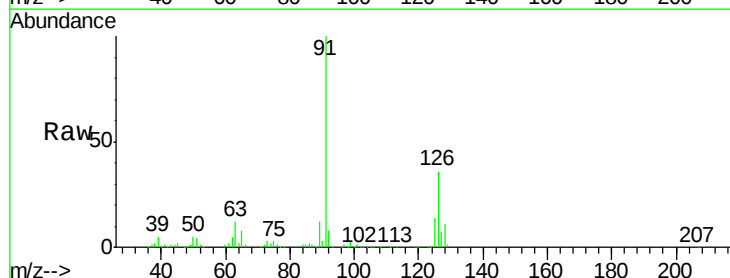
Acq: 4 Jun 2020 11:03

Tgt Ion: 91 Resp: 720227

Ion Ratio Lower Upper

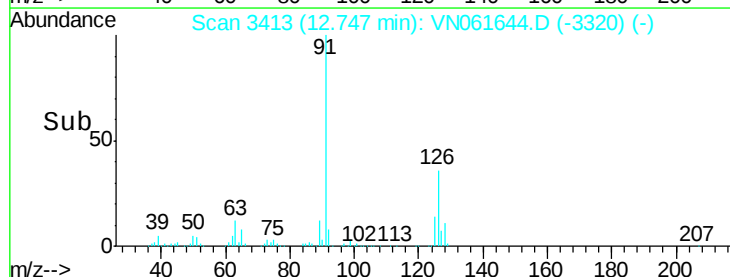
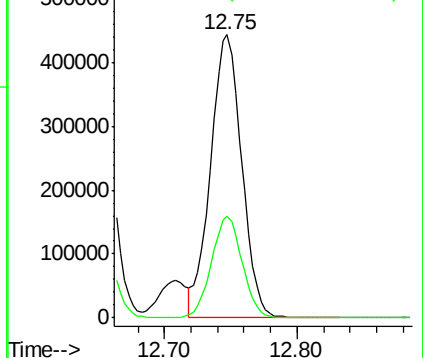
91 100

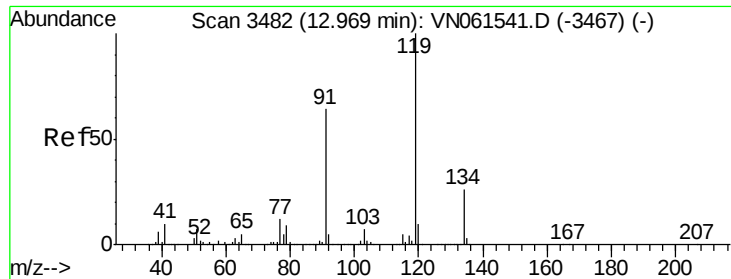
126 35.5 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VN061644.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN061644.D (-3320) (-)

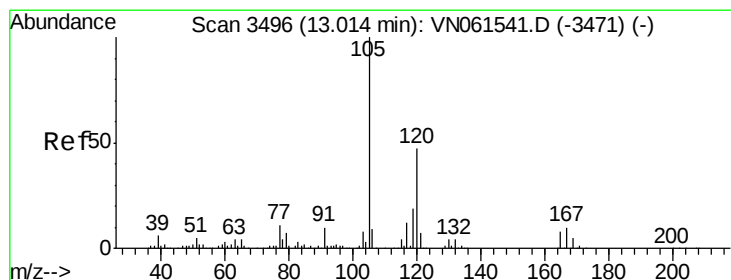
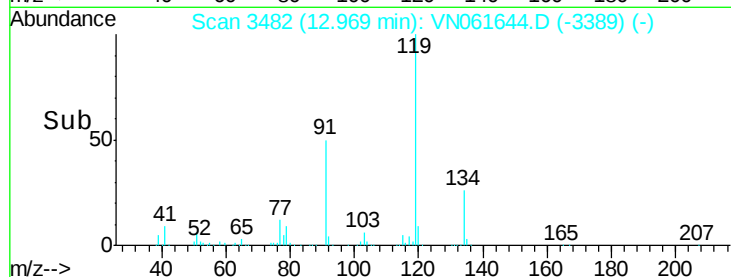
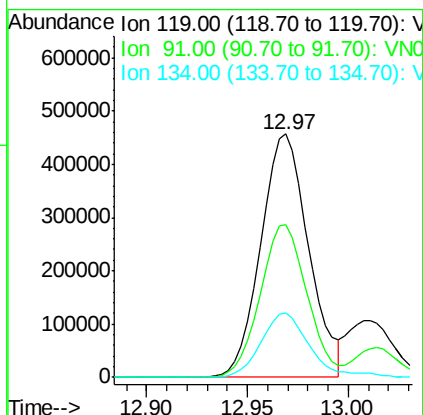
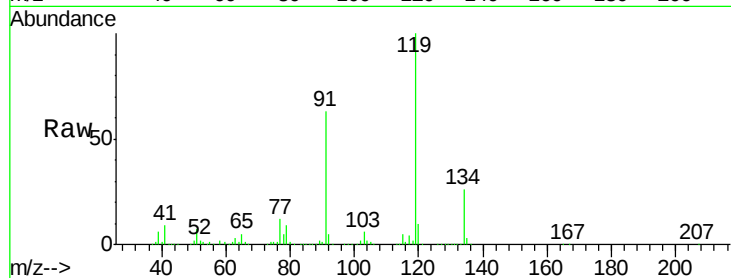




#83
tert-Butylbenzene
Concen: 52.443 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

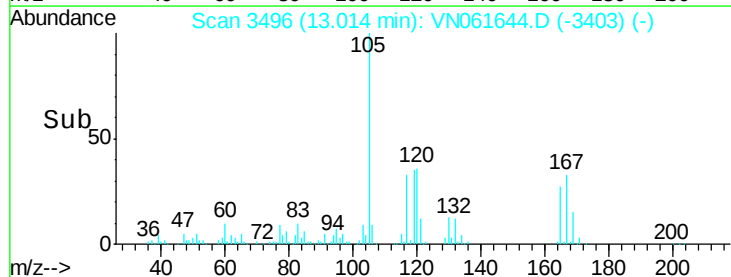
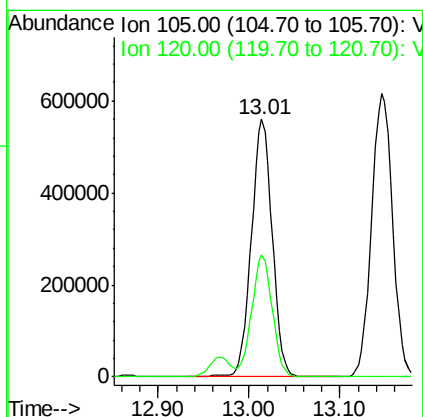
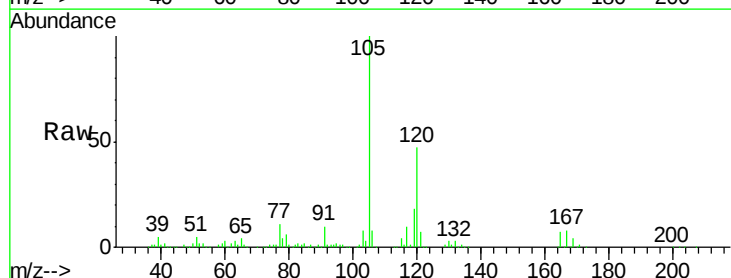
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 754528
Ion Ratio Lower Upper
119 100
91 61.1 31.3 93.8
134 27.0 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 55.101 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Tgt Ion:105 Resp: 891357
Ion Ratio Lower Upper
105 100
120 46.5 23.2 69.5





#85

sec-Butylbenzene

Concen: 53.075 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

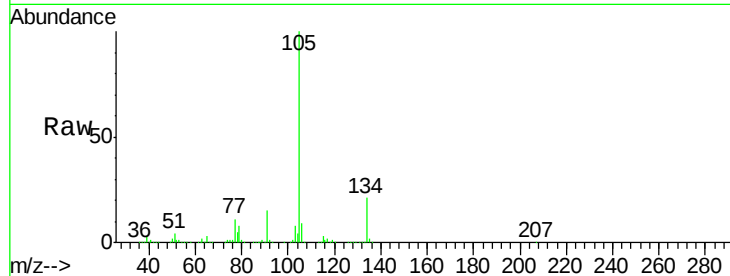
VSTDCCC050

Tot Ion:105 Resp: 983991

Ion Ratio Lower Upper

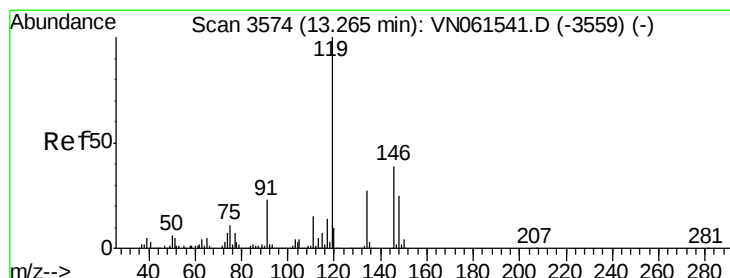
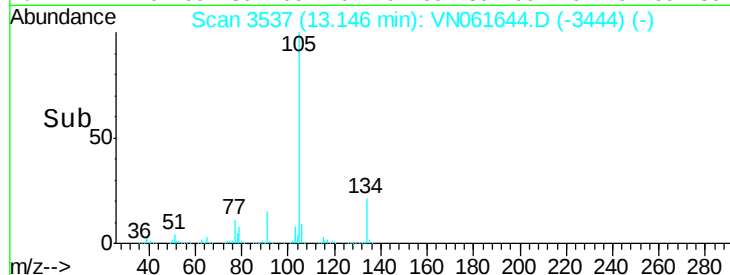
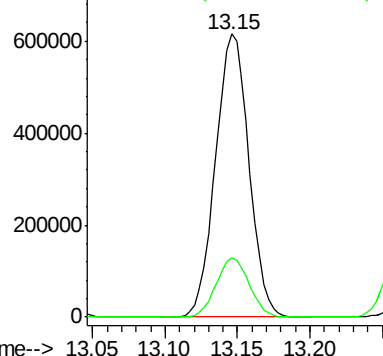
105 100

134 20.8 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.090 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061644.D

Acq: 4 Jun 2020 11:03

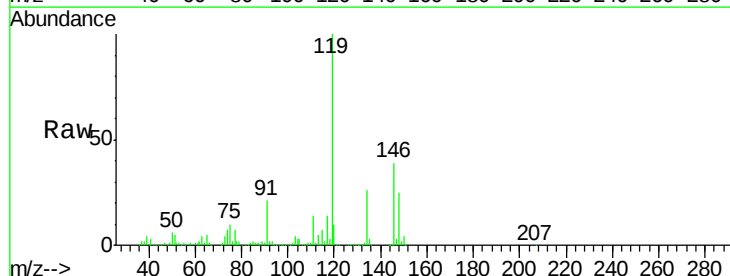
Tgt Ion:119 Resp: 923506

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

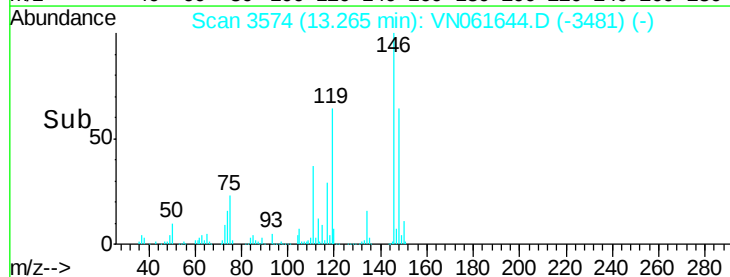
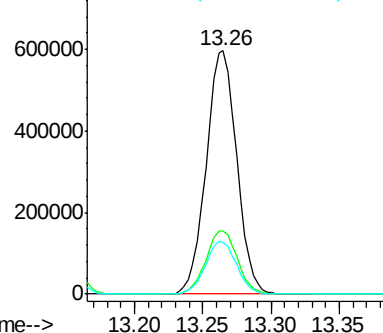
91 22.0 11.4 34.1



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

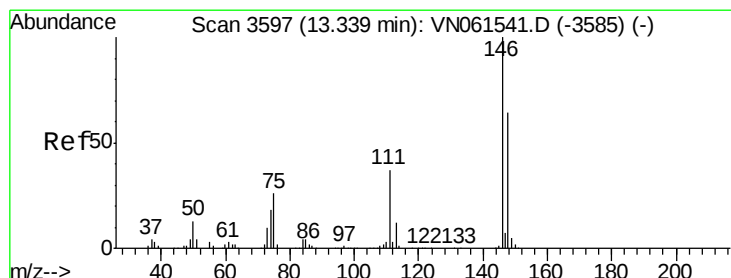
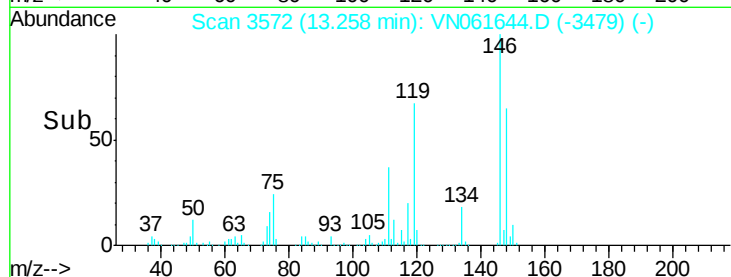
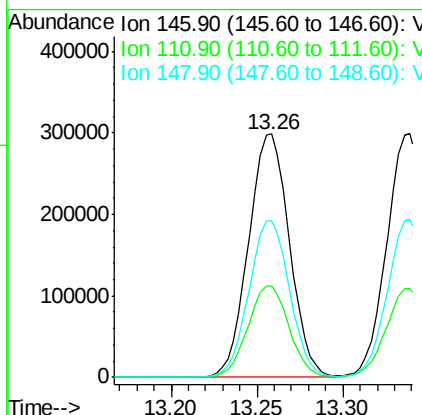
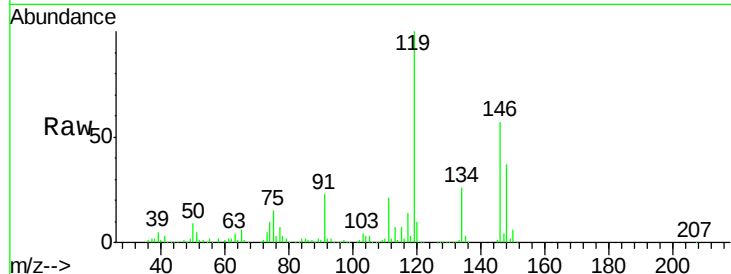




#87
 1,3-Dichlorobenzene
 Concen: 55.926 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061644.D
 Acq: 4 Jun 2020 11:03

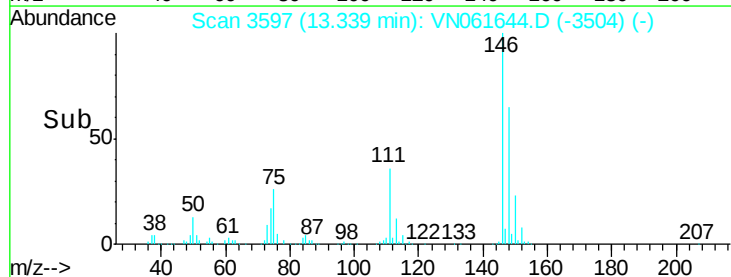
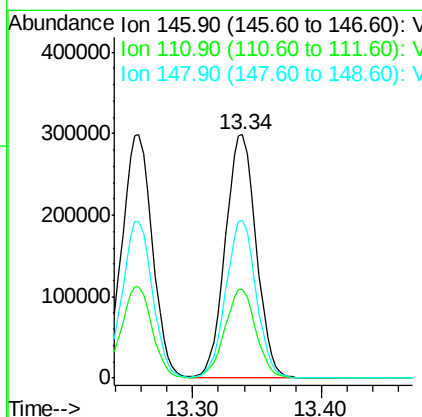
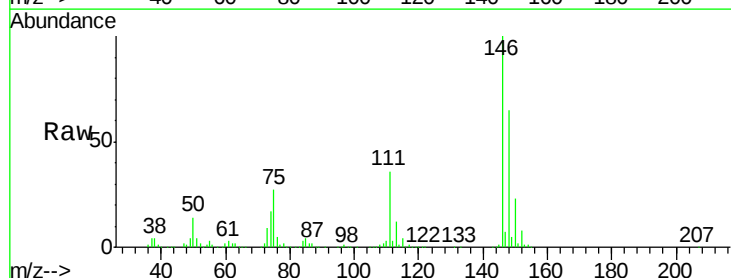
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

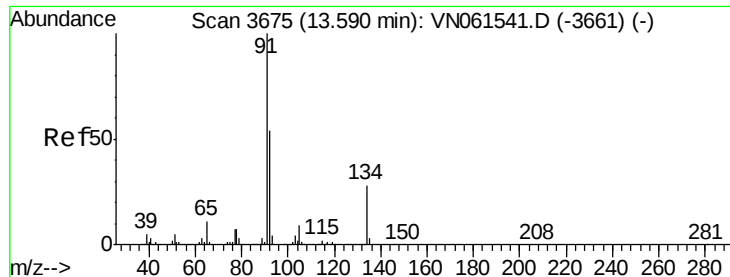
Tot Ion:146 Resp: 492507
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.2 57.6
 148 64.1 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 55.220 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061644.D
 Acq: 4 Jun 2020 11:03

Tgt Ion:146 Resp: 495392
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.9 56.9
 148 63.6 31.8 95.3

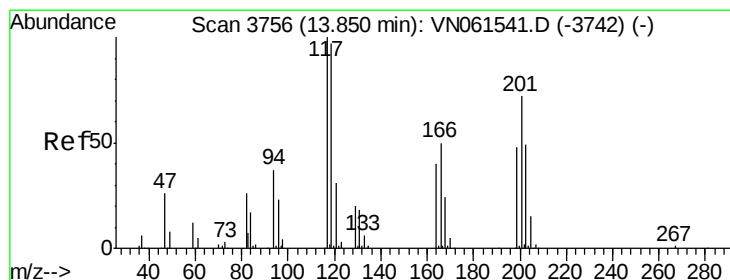
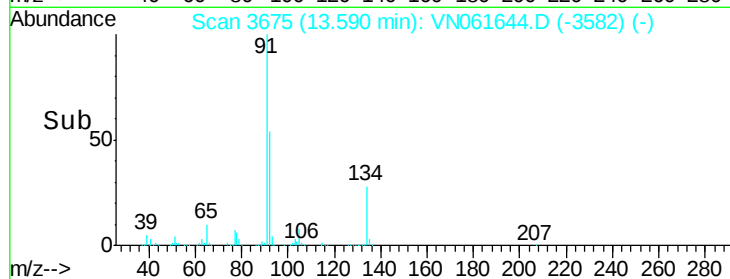
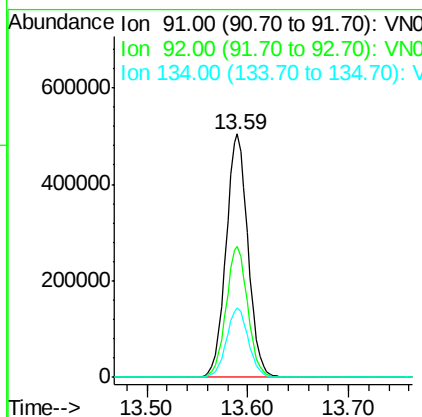
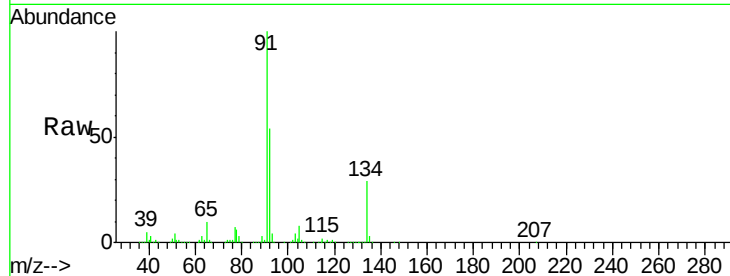




#89
n-Butylbenzene
Concen: 53.482 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

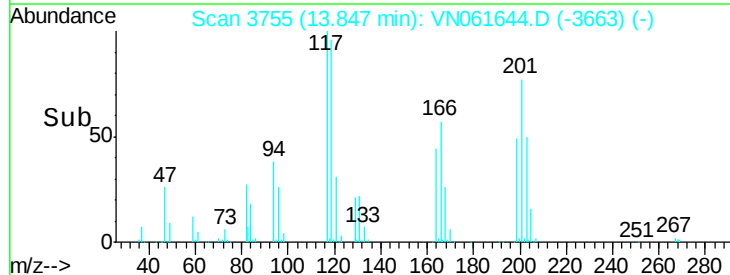
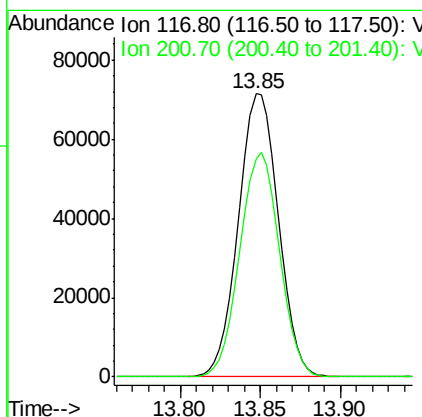
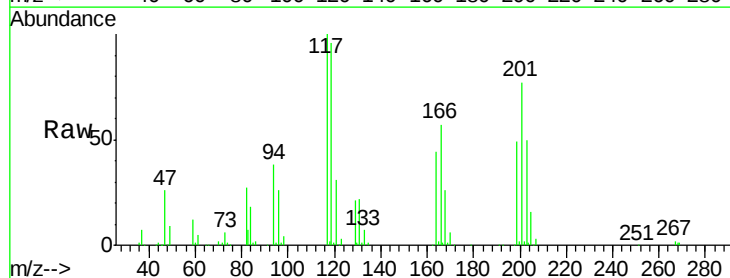
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 764821
Ion Ratio Lower Upper
91 100
92 53.1 27.2 81.6
134 28.6 14.0 42.0



#90
Hexachloroethane
Concen: 64.582 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Tgt Ion: 117 Resp: 121942
Ion Ratio Lower Upper
117 100
201 78.5 36.7 110.1

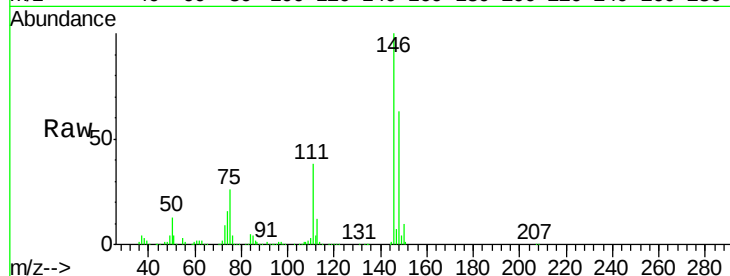




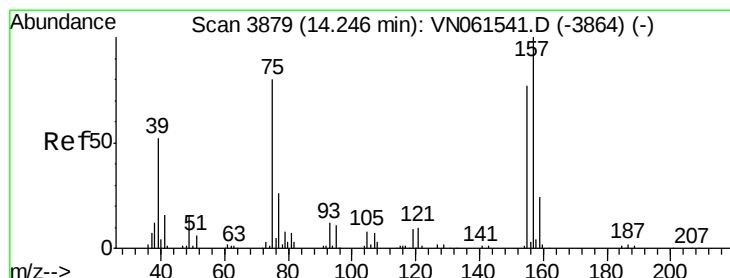
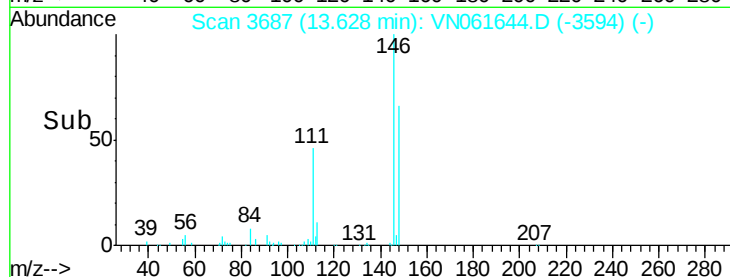
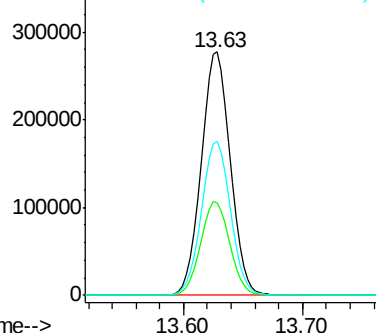
#91
 1,2-Dichlorobenzene
 Concen: 55.849 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061644.D
 Acq: 4 Jun 2020 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.1	60.2
148	63.3	31.9	95.5

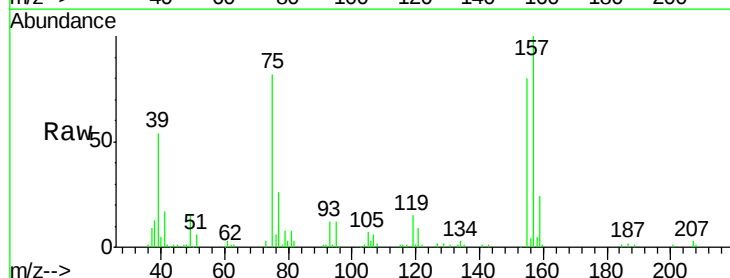


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

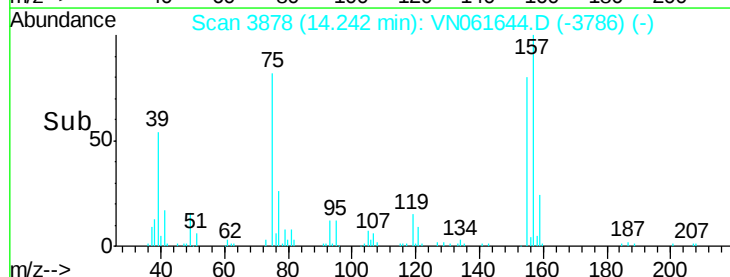
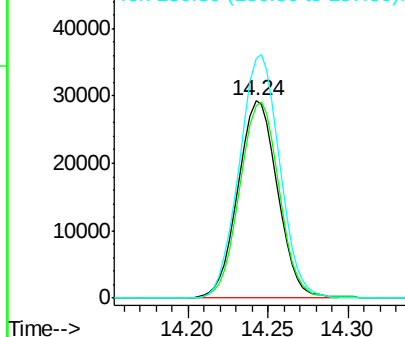


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.442 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061644.D
 Acq: 4 Jun 2020 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.4	47.1	141.4
157	125.7	60.3	180.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

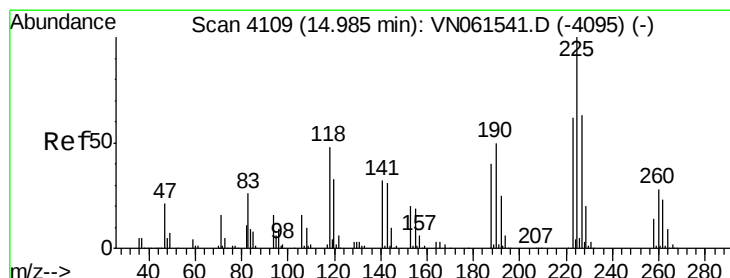
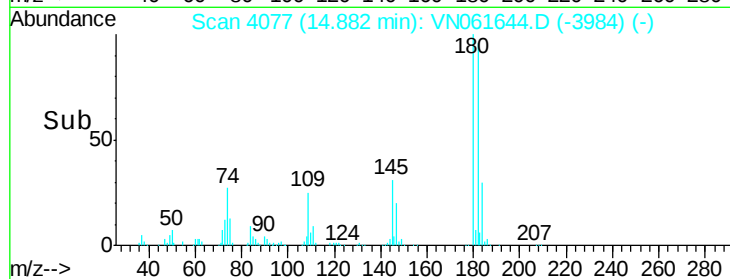
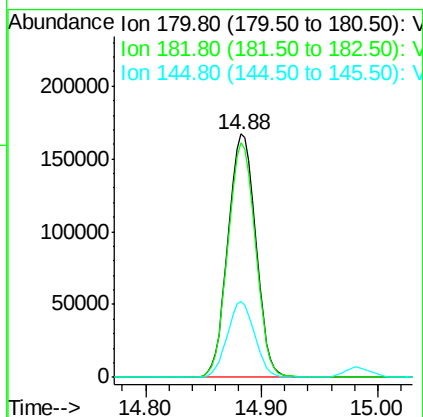
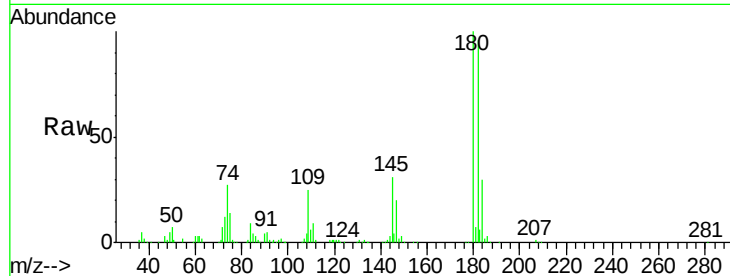




#93
 1,2,4-Trichlorobenzene
 Concen: 56.206 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061644.D
 Acq: 4 Jun 2020 11:03

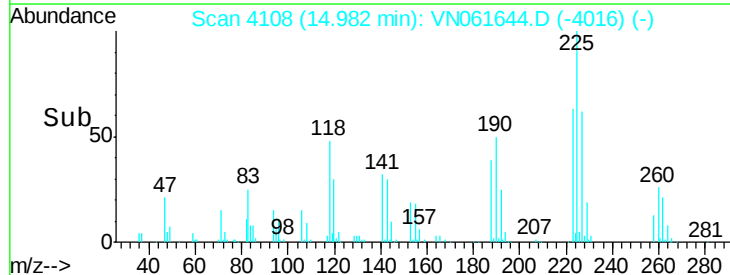
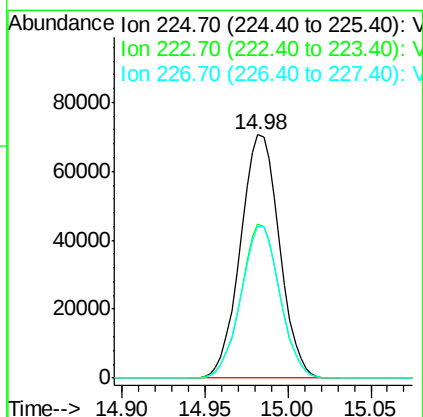
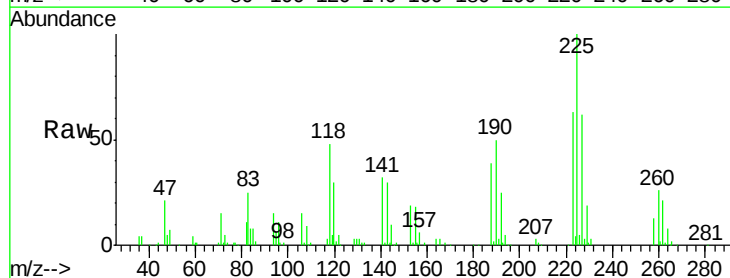
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 276640
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.8 143.3
 145 30.6 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 55.046 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061644.D
 Acq: 4 Jun 2020 11:03

Tgt Ion:225 Resp: 115549
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.9 95.5
 227 62.0 31.9 95.9

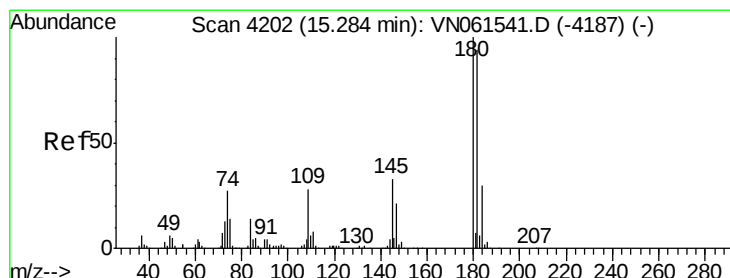
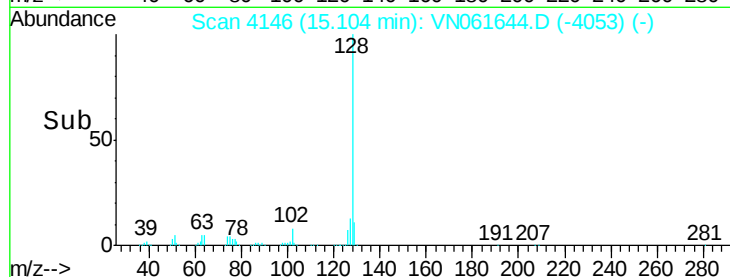
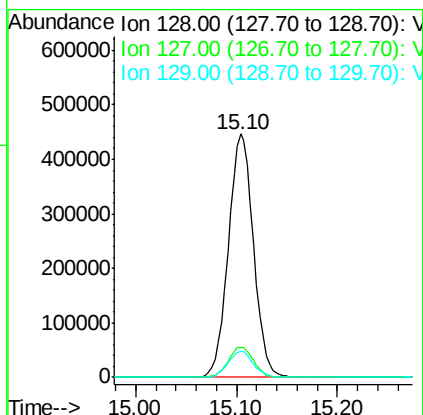
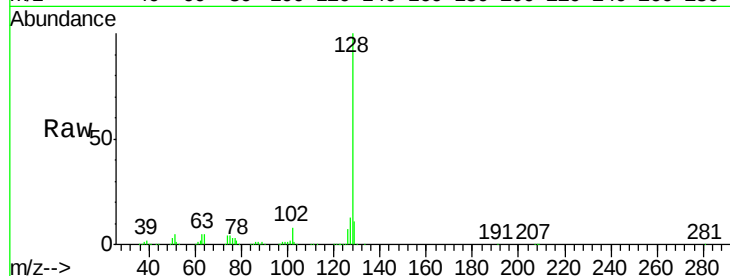




#95
Naphthalene
Concen: 51.715 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 774743
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 55.518 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061644.D
Acq: 4 Jun 2020 11:03

Tgt Ion:180 Resp: 268667
Ion Ratio Lower Upper
180 100
182 92.4 47.1 141.3
145 31.6 16.3 48.9

