

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060420\
 Data File : VN061656.D
 Acq On : 4 Jun 2020 16:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 05 08:13:22 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	365060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	586231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	565128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	293418	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	209864	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
35) Dibromofluoromethane	7.54	113	157505	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
50) Toluene-d8	10.06	98	722062	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.37	95	270952	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	190475	45.301	ug/l	97
3) Chloromethane	2.03	50	200178	44.958	ug/l	100
4) Vinyl Chloride	2.16	62	285002	46.709	ug/l	99
5) Bromomethane	2.53	94	171481	48.978	ug/l	96
6) Chloroethane	2.67	64	180913	46.064	ug/l	99
7) Trichlorofluoromethane	2.98	101	427617	54.347	ug/l	99
8) Diethyl Ether	3.37	74	110143	45.779	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	175089	50.146	ug/l	99
10) Methyl Iodide	3.91	142	224533	46.325	ug/l	100
11) Tert butyl alcohol	4.73	59	140632	243.086	ug/l #	87
12) 1,1-Dichloroethene	3.69	96	171367	45.939	ug/l	95
13) Acrolein	3.56	56	36720	214.789	ug/l	98
14) Allyl chloride	4.27	41	219487	45.007	ug/l	98
15) Acrylonitrile	4.92	53	361957	224.151	ug/l	99
16) Acetone	3.77	43	280040	233.202	ug/l	100
17) Carbon Disulfide	4.01	76	343057	41.801	ug/l	98
18) Methyl Acetate	4.27	43	172253	43.748	ug/l	97
19) Methyl tert-butyl Ether	4.98	73	591903	46.558	ug/l	99
20) Methylene Chloride	4.50	84	196195	49.615	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	198228	47.121	ug/l	92
22) Diisopropyl ether	5.90	45	507052	47.174	ug/l	98
23) Vinyl Acetate	5.84	43	1868035	218.053	ug/l	97
24) 1,1-Dichloroethane	5.79	63	322667	47.341	ug/l	99
25) 2-Butanone	6.78	43	442225	214.533	ug/l	97
26) 2,2-Dichloropropane	6.77	77	306044	49.059	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	235963	49.535	ug/l	98
28) Bromochloromethane	7.14	49	129489	50.624	ug/l	93
29) Tetrahydrofuran	7.16	42	287828	211.751	ug/l	97
30) Chloroform	7.32	83	371672	49.290	ug/l	100
31) Cyclohexane	7.61	56	269385	43.946	ug/l	94
32) 1,1,1-Trichloroethane	7.52	97	335141	48.777	ug/l	100
36) 1,1-Dichloropropene	7.75	75	262451	50.572	ug/l	99
37) Ethyl Acetate	6.88	43	194108	46.438	ug/l	98
38) Carbon Tetrachloride	7.73	117	280563	56.047	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	299325	46.794	ug/l	97
40) Benzene	8.00	78	812976	50.771	ug/l	99
41) Methacrylonitrile	7.13	41	100877m	52.675	ug/l	
42) 1,2-Dichloroethane	8.08	62	268036	50.000	ug/l	100
43) Isopropyl Acetate	8.12	43	338469	45.008	ug/l	96
44) Trichloroethene	8.80	130	255221	51.863	ug/l	95
45) 1,2-Dichloropropane	9.08	63	192440	50.612	ug/l	99
46) Dibromomethane	9.17	93	146441	50.218	ug/l	97
47) Bromodichloromethane	9.37	83	298210	51.616	ug/l	99
48) Methyl methacrylate	9.16	41	150017	44.339	ug/l	96
49) 1,4-Dioxane	9.16	88	65042	1240.898	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	986488	232.783	ug/l	98
52) Toluene	10.12	92	550326	52.657	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	322520	51.820	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	344047	51.411	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	216335	51.956	ug/l	97
56) Ethyl methacrylate	10.40	69	299611	51.511	ug/l	97
57) 1,3-Dichloropropane	10.68	76	343171	51.531	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	616161	247.890	ug/l	99
59) 2-Hexanone	10.72	43	708999	232.957	ug/l	99
60) Dibromochloromethane	10.87	129	258631	54.637	ug/l	99
61) 1,2-Dibromoethane	10.98	107	228327	52.578	ug/l	99
64) Tetrachloroethene	10.60	164	274742	51.647	ug/l	99
65) Chlorobenzene	11.40	112	614363	52.300	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	234335	53.575	ug/l	100
67) Ethyl Benzene	11.48	91	1063435	52.377	ug/l	99
68) m/p-Xylenes	11.59	106	847215	105.239	ug/l	99
69) o-Xylene	11.92	106	406113	53.113	ug/l	99
70) Styrene	11.94	104	688260	54.354	ug/l	99
71) Bromoform	12.10	173	179793	53.344	ug/l #	99
73) Isopropylbenzene	12.22	105	1065462	49.752	ug/l	100
74) N-amyl acetate	12.04	43	307750	45.631	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	269313	44.875	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	247855m	46.454	ug/l	
77) Bromobenzene	12.50	156	281851	51.560	ug/l	96
78) n-propylbenzene	12.56	91	1183799	49.515	ug/l	99
79) 2-Chlorotoluene	12.65	91	699833	49.091	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	883881	49.380	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	95601	45.821	ug/l	99
82) 4-Chlorotoluene	12.75	91	742121	49.483	ug/l	99
83) tert-Butylbenzene	12.97	119	752347	47.572	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	897855	50.492	ug/l	99
85) sec-Butylbenzene	13.15	105	946569	46.448	ug/l	100
86) p-Isopropyltoluene	13.26	119	893909	47.631	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	505859	52.257	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	512076	51.927	ug/l	99
89) n-Butylbenzene	13.59	91	711072	45.235	ug/l	99
90) Hexachloroethane	13.85	117	122449	58.997	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	479762	51.861	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	52143	42.603	ug/l	96

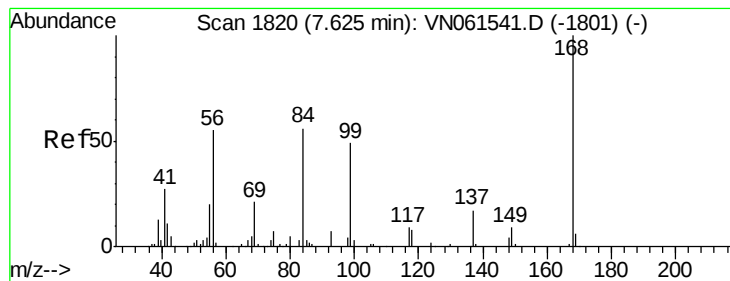
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	274069	50.657	ug/l	99
94) Hexachlorobutadiene	14.99	225	90869	39.381	ug/l	98
95) Naphthalene	15.10	128	799497	48.550	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	257965	48.495	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: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

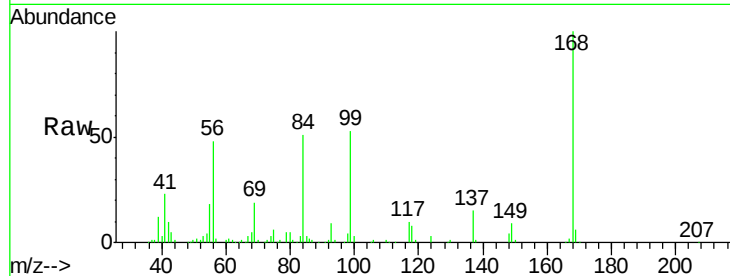
VSTDCCC050EC

Tot Ion:168 Resp: 365060

Ion Ratio Lower Upper

168 100

99 53.2 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

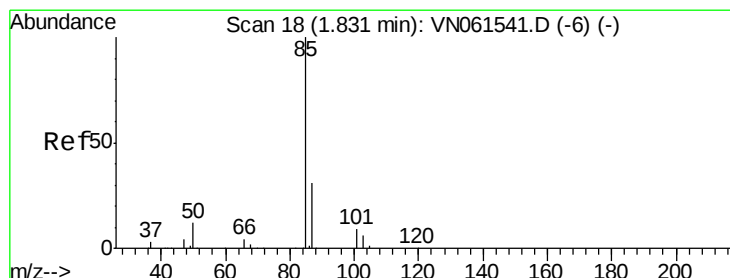
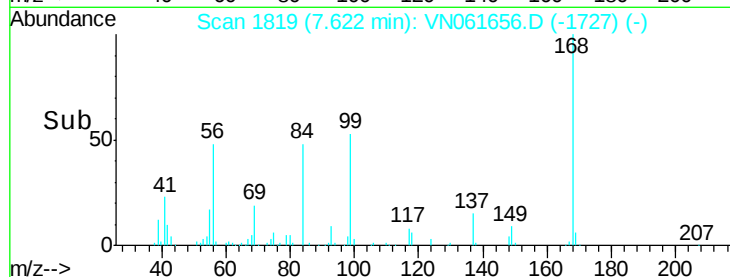
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.301 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061656.D

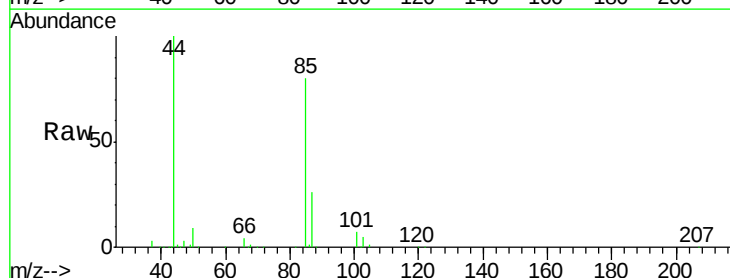
Acq: 4 Jun 2020 16:53

Tgt Ion: 85 Resp: 190475

Ion Ratio Lower Upper

85 100

87 33.0 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

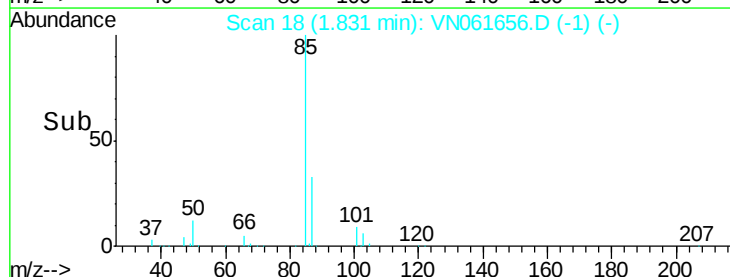
100000

50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 44.958 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

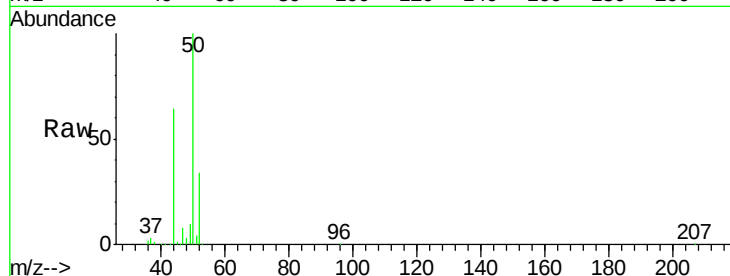
VSTDCCC050EC

Tot Ion: 50 Resp: 200178

Ion Ratio Lower Upper

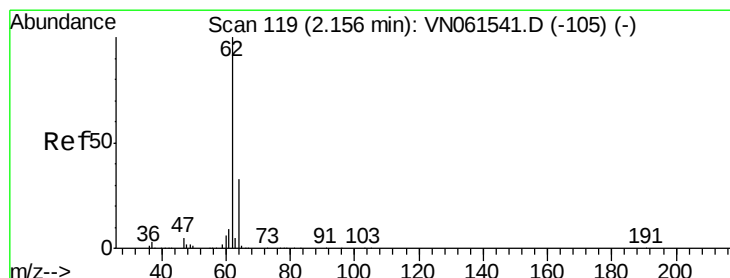
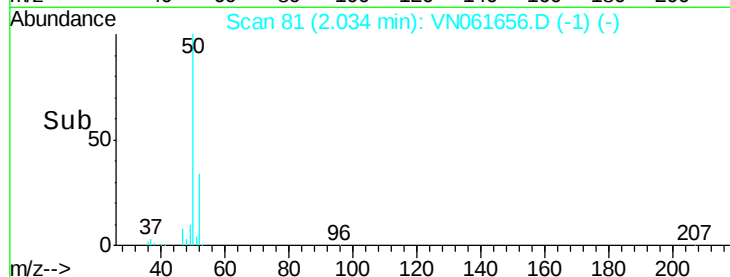
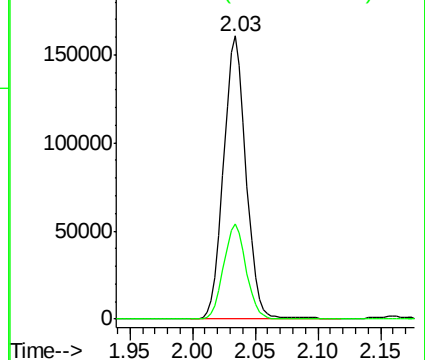
50 100

52 33.6 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 46.709 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061656.D

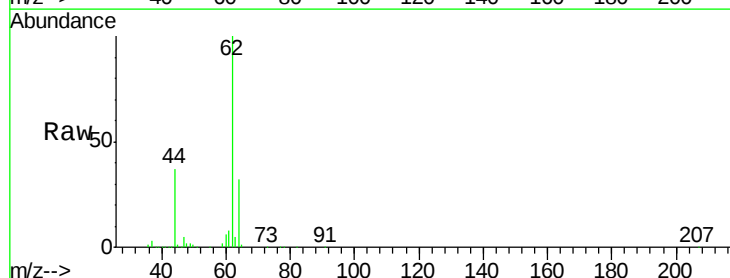
Acq: 4 Jun 2020 16:53

Tgt Ion: 62 Resp: 285002

Ion Ratio Lower Upper

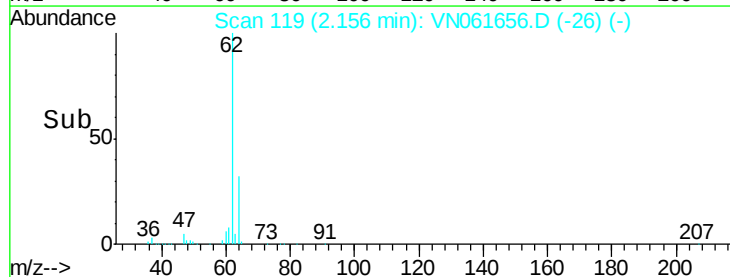
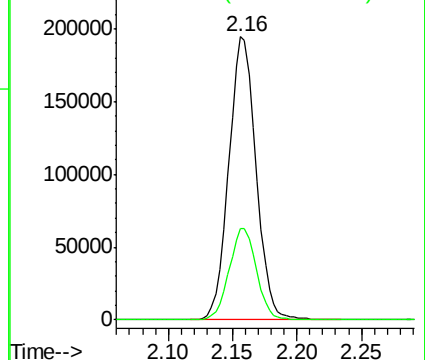
62 100

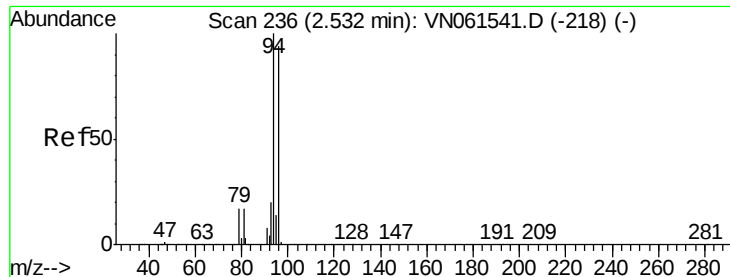
64 32.1 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 48.978 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

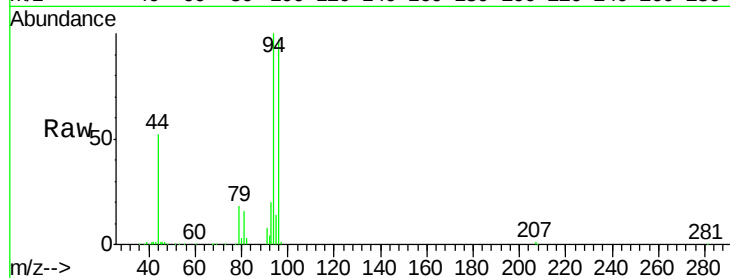
VSTDCCC050EC

Tot Ion: 94 Resp: 171481

Ion Ratio Lower Upper

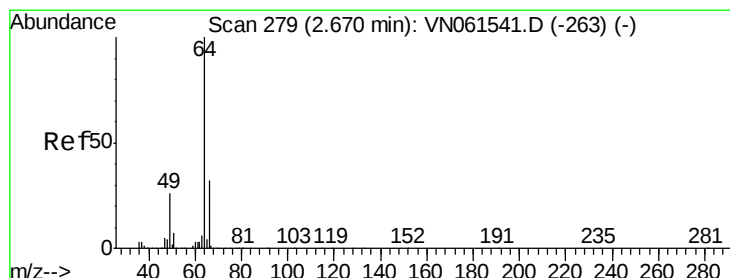
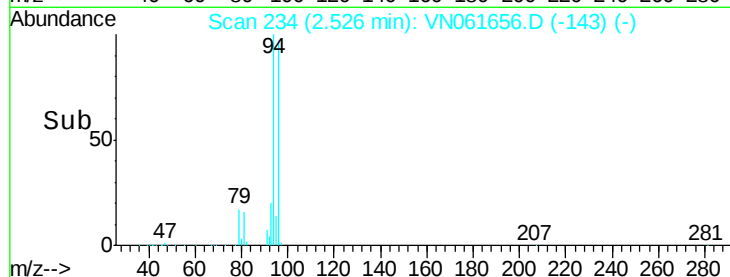
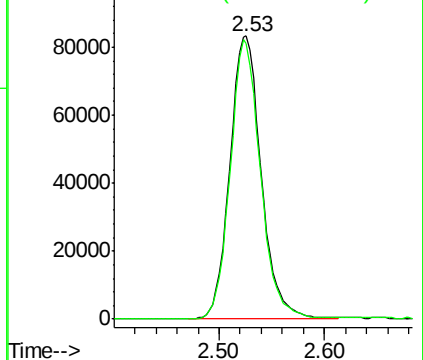
94 100

96 97.1 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: 46.064 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN061656.D

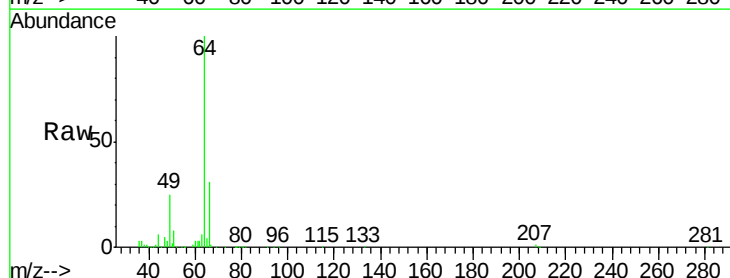
Acq: 4 Jun 2020 16:53

Tgt Ion: 64 Resp: 180913

Ion Ratio Lower Upper

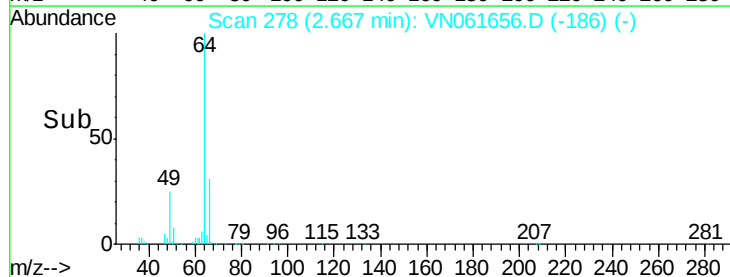
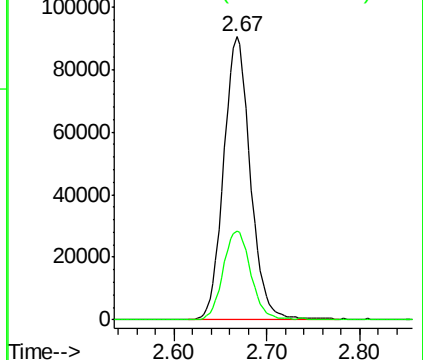
64 100

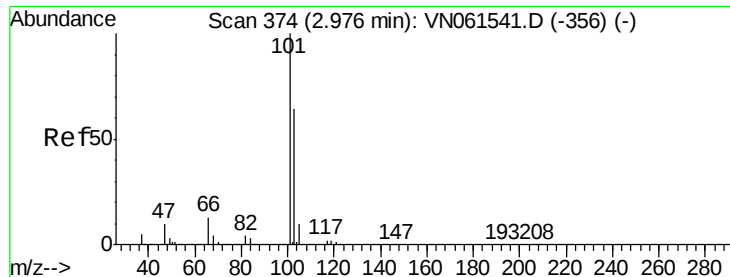
66 31.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



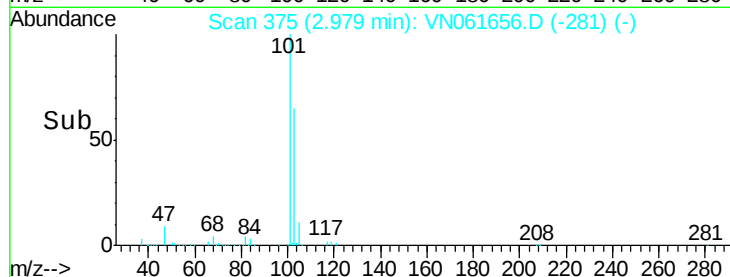
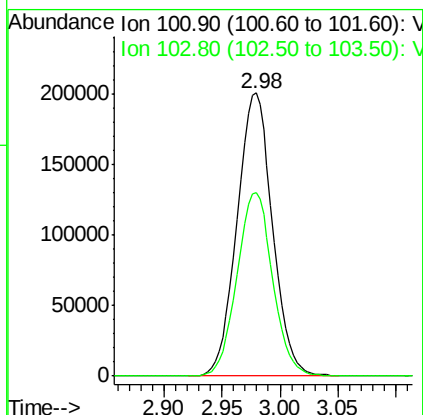
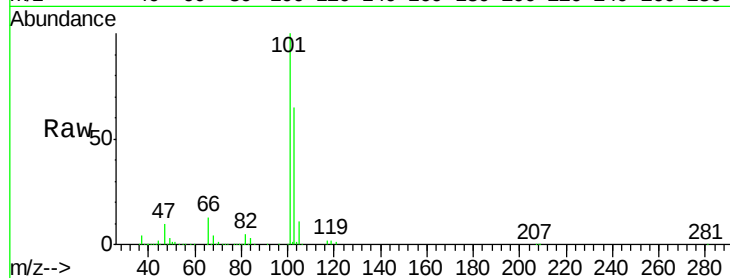


#7

Trichlorofluoromethane
Concen: 54.347 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

Instrument :
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ClientSampleId :
VSTDCCC050EC

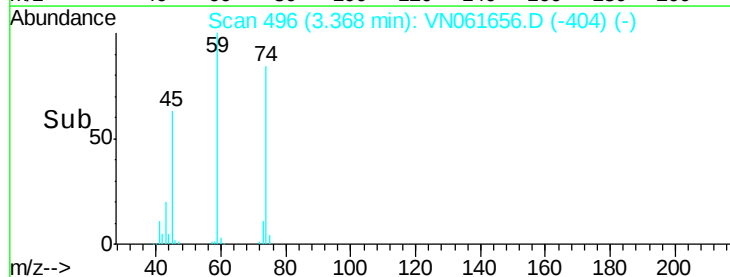
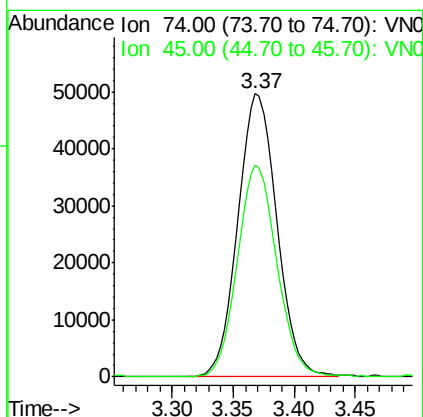
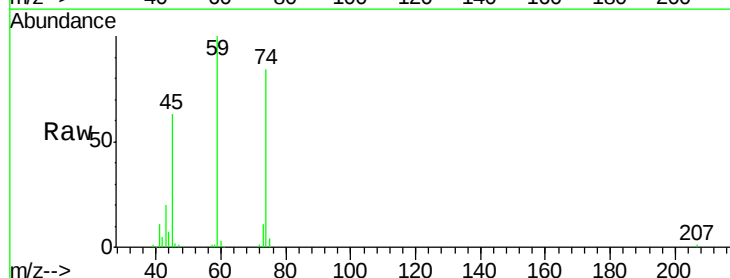
Tot Ion:101 Resp: 427617
Ion Ratio Lower Upper
101 100
103 64.9 51.4 77.2

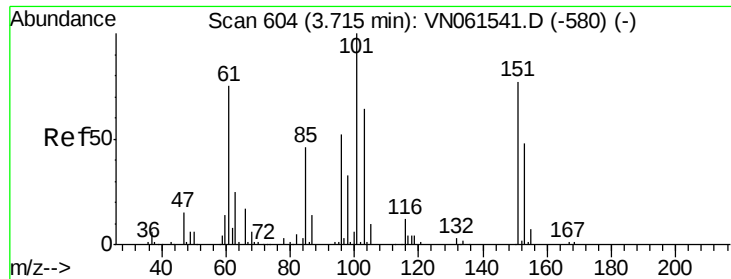


#8

Diethyl Ether
Concen: 45.779 ug/l
RT: 3.37 min Scan# 496
Delta R.T. -0.00 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

Tgt Ion: 74 Resp: 110143
Ion Ratio Lower Upper
74 100
45 75.5 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.146 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

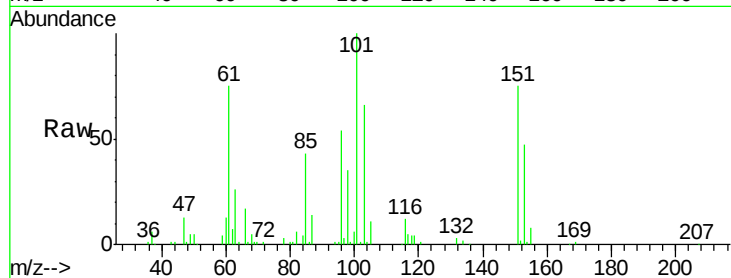
Tot Ion:101 Resp: 175089

Ion Ratio Lower Upper

101 100

85 43.2 35.2 52.8

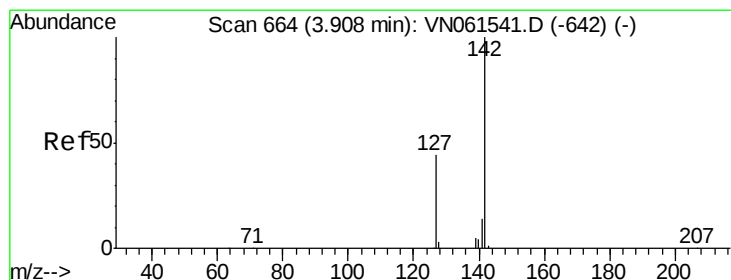
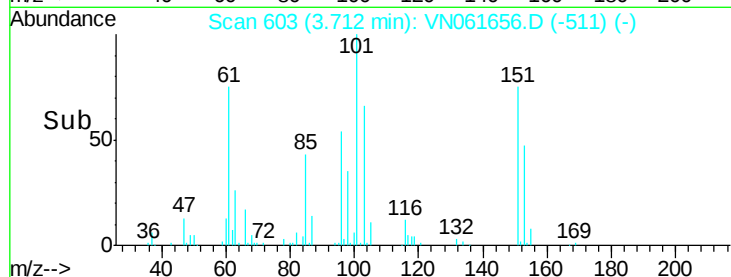
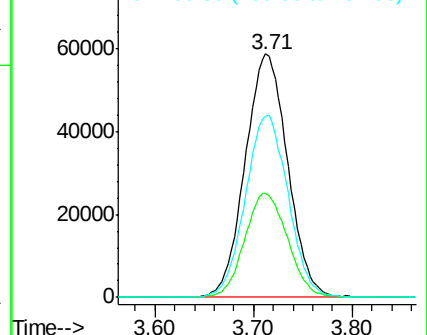
151 75.3 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.325 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

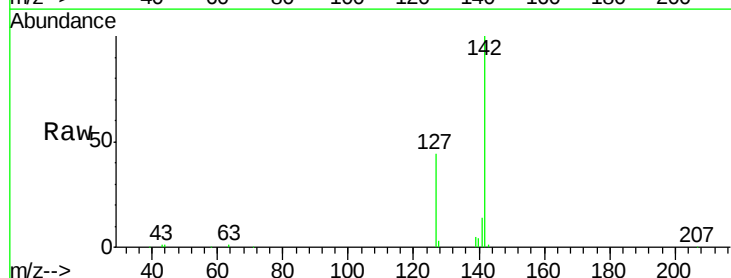
Tgt Ion:142 Resp: 224533

Ion Ratio Lower Upper

142 100

127 44.3 35.5 53.3

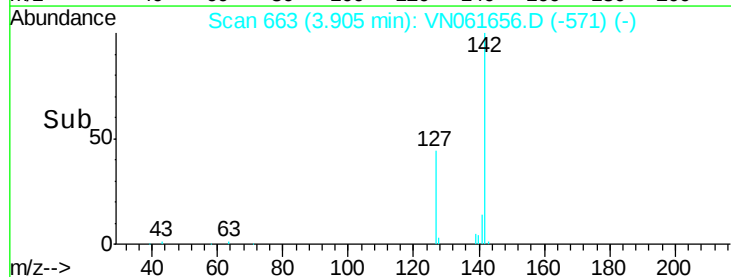
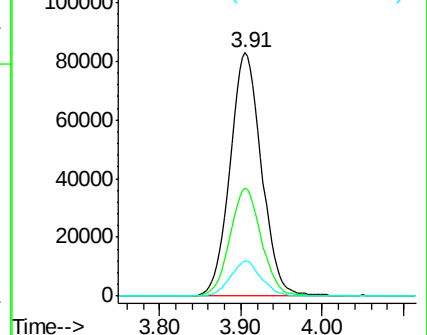
141 14.1 11.5 17.3

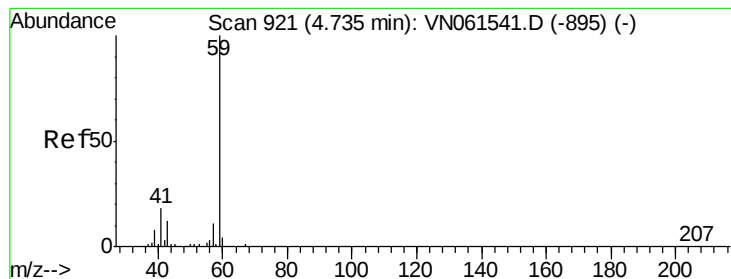


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



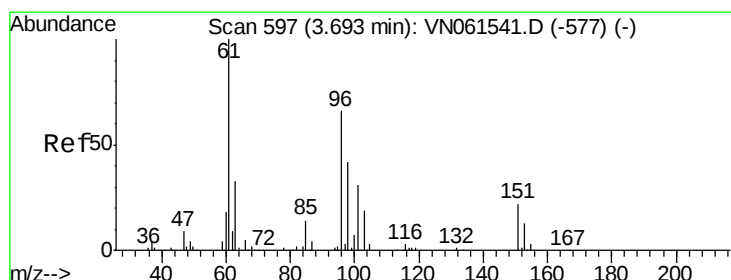
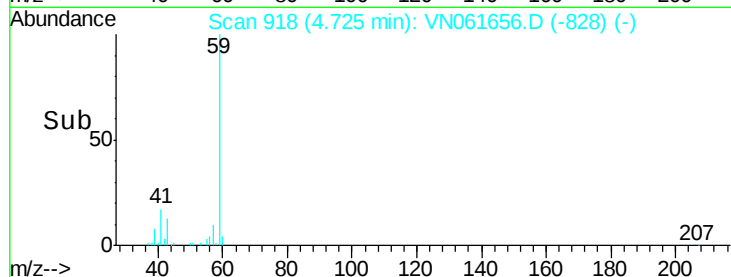
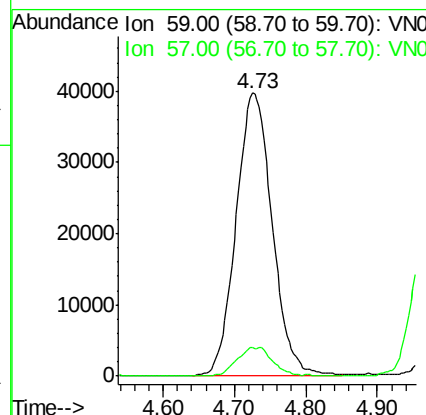
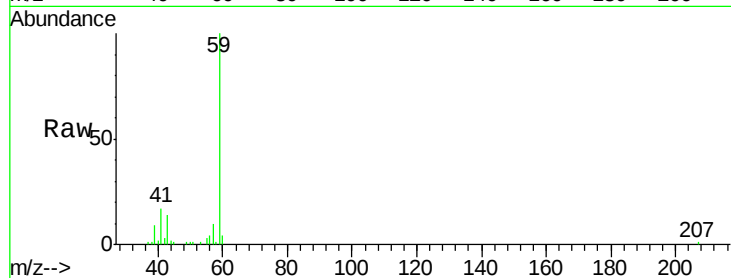


#11

Tert butyl alcohol
Concen: 243.086 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

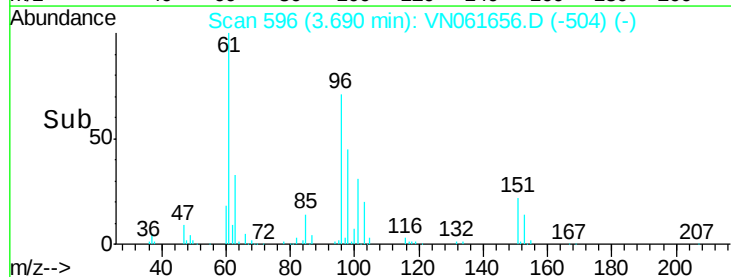
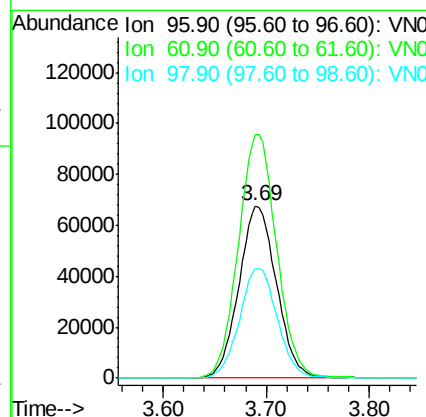
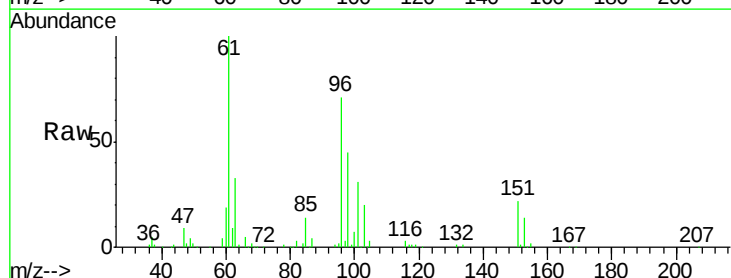
Tot Ion: 59 Resp: 140632
Ion Ratio Lower Upper
59 100
57 5.7 8.4 12.6#

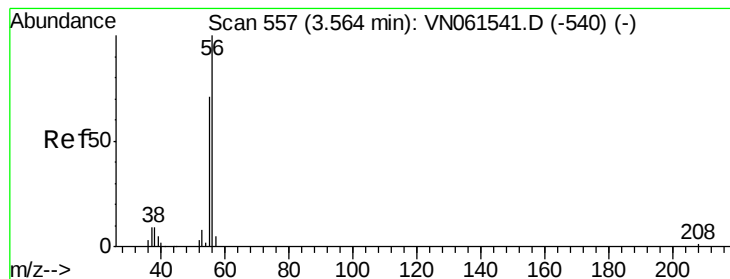


#12

1,1-Dichloroethene
Concen: 45.939 ug/l
RT: 3.69 min Scan# 596
Delta R.T. -0.00 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

Tgt Ion: 96 Resp: 171367
Ion Ratio Lower Upper
96 100
61 141.3 120.5 180.7
98 63.2 50.8 76.2





#13

Acrolein

Concen: 214.789 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

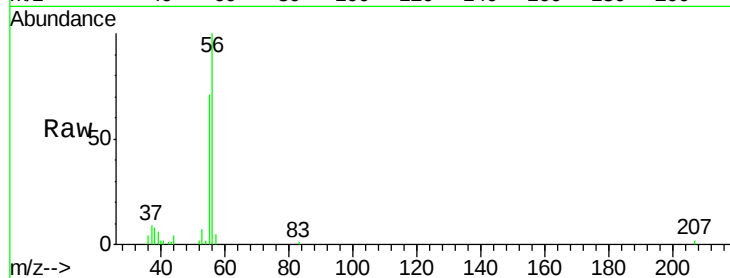
VSTDCCC050EC

Tot Ion: 56 Resp: 36720

Ion Ratio Lower Upper

56 100

55 70.8 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

15000

10000

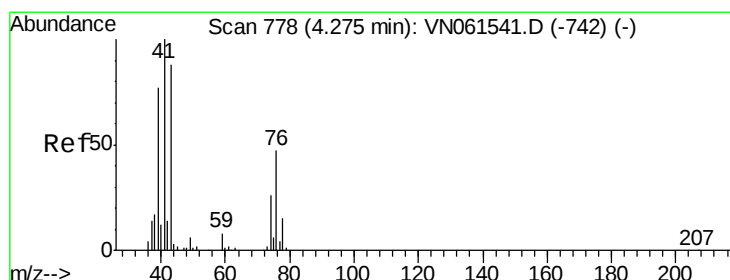
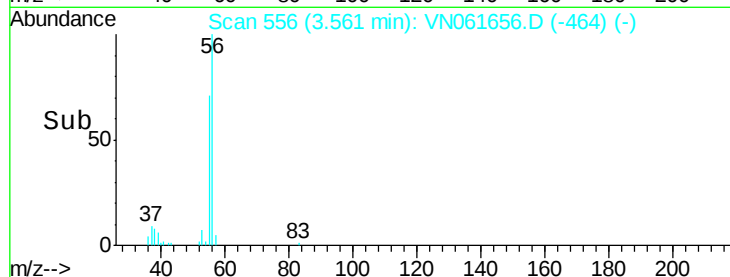
5000

0

3.56

3.45 3.50 3.55 3.60 3.65

Time-->



#14

Allyl chloride

Concen: 45.007 ug/l

RT: 4.27 min Scan# 776

Delta R.T. -0.01 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

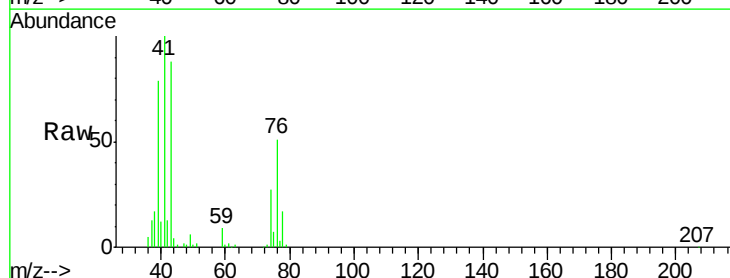
Tgt Ion: 41 Resp: 219487

Ion Ratio Lower Upper

41 100

39 73.6 58.6 88.0

76 45.2 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

80000

60000

40000

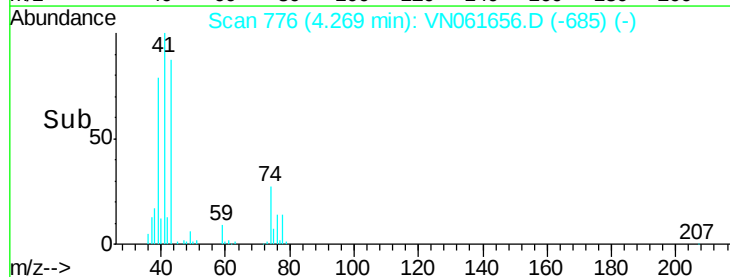
20000

0

4.27

4.10 4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 224.151 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

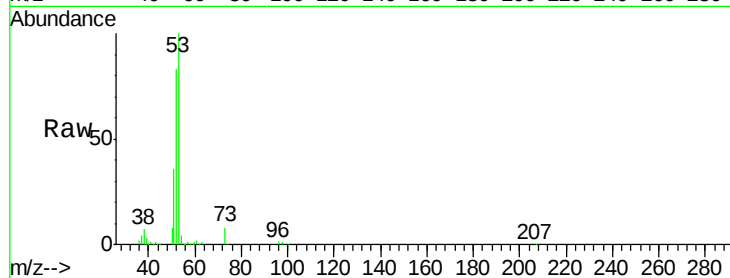
Tot Ion: 53 Resp: 361957

Ion Ratio Lower Upper

53 100

52 80.8 65.4 98.2

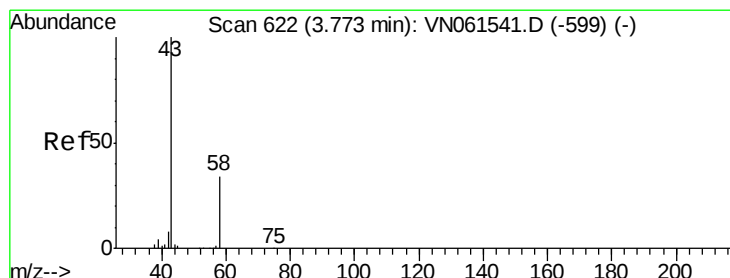
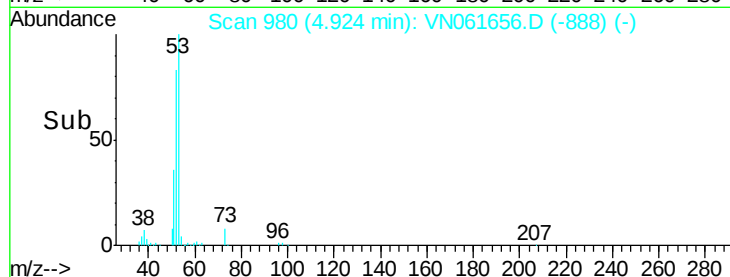
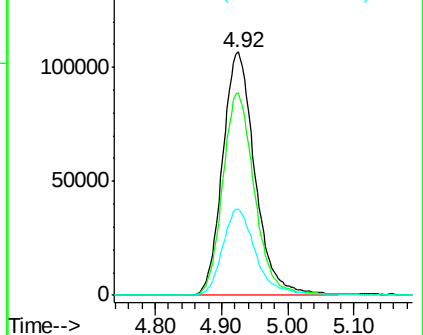
51 36.4 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN061656.D (-888) (-)

Ion 52.00 (51.70 to 52.70): VN061656.D (-888) (-)

Ion 51.00 (50.70 to 51.70): VN061656.D (-888) (-)



#16

Acetone

Concen: 233.202 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061656.D

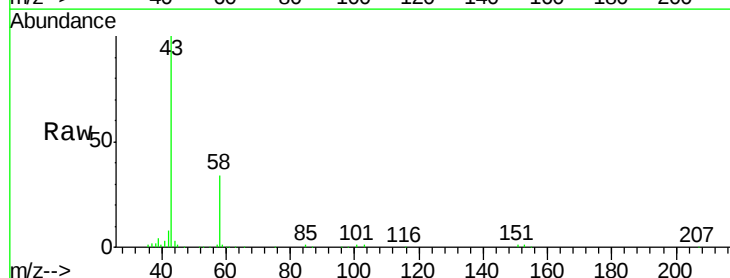
Acq: 4 Jun 2020 16:53

Tgt Ion: 43 Resp: 280040

Ion Ratio Lower Upper

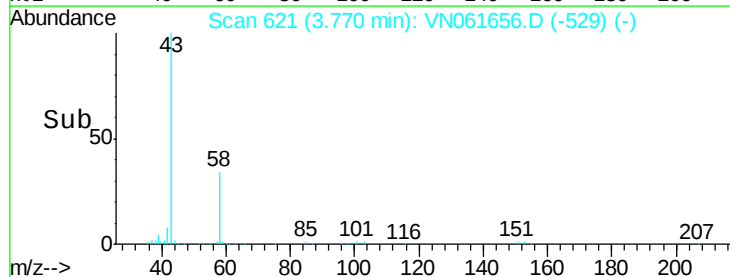
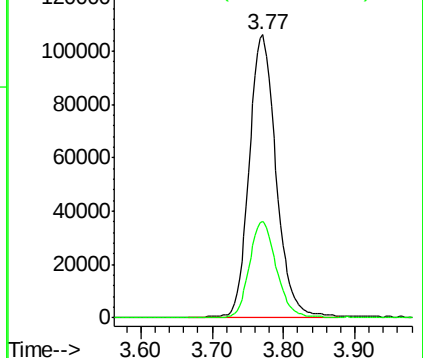
43 100

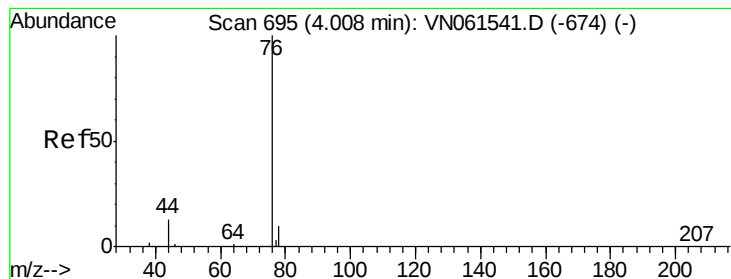
58 34.1 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN061656.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061656.D (-529) (-)





#17

Carbon Disulfide

Concen: 41.801 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

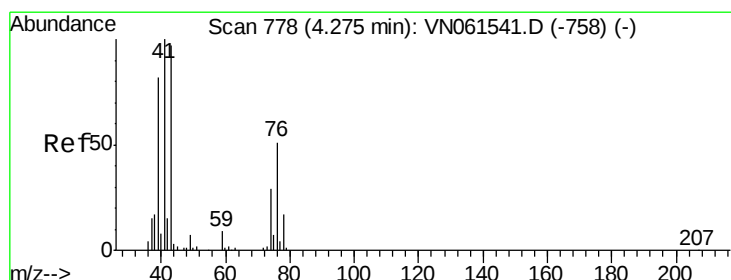
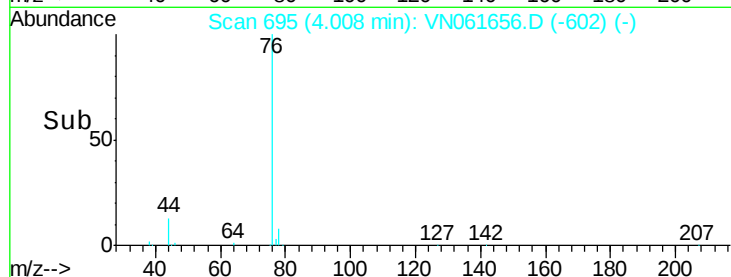
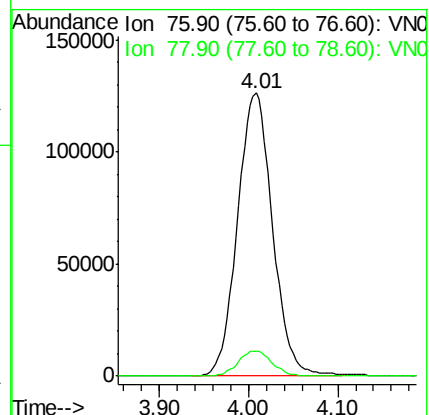
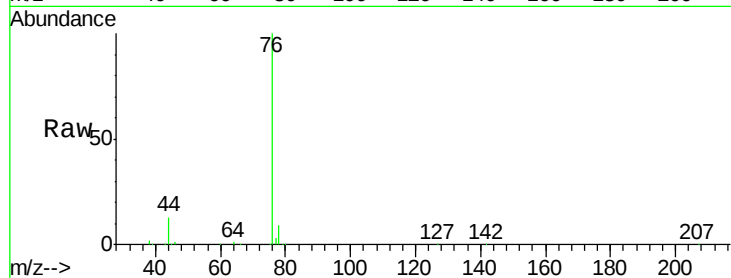
VSTDCCC050EC

Tot Ion: 76 Resp: 343057

Ion Ratio Lower Upper

76 100

78 8.9 7.8 11.6



#18

Methyl Acetate

Concen: 43.748 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061656.D

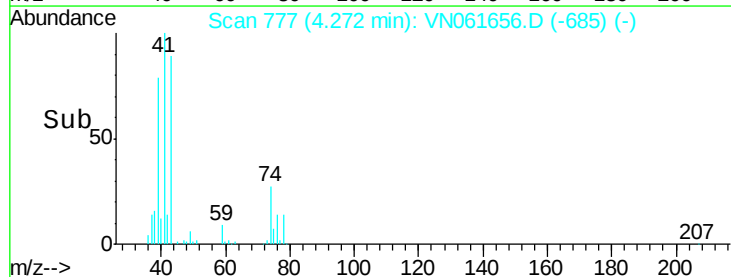
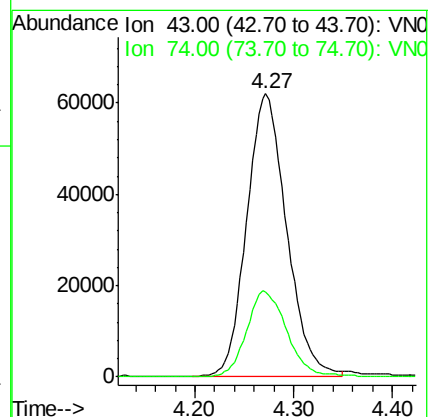
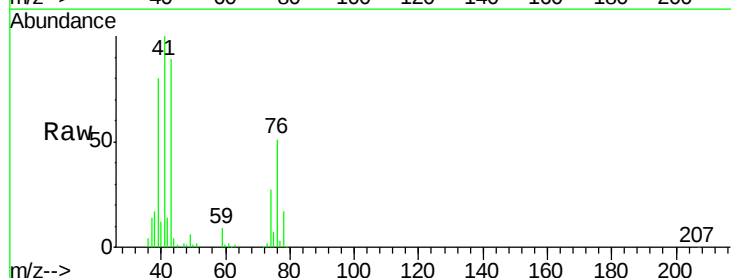
Acq: 4 Jun 2020 16:53

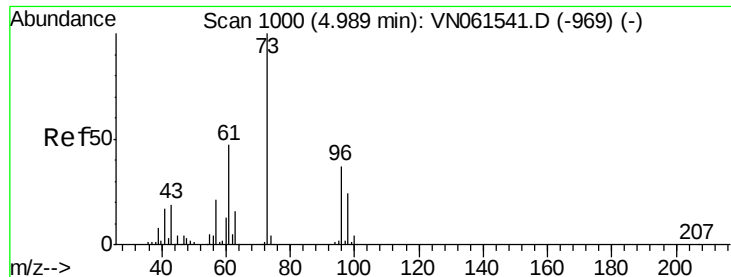
Tgt Ion: 43 Resp: 172253

Ion Ratio Lower Upper

43 100

74 30.7 23.2 34.8

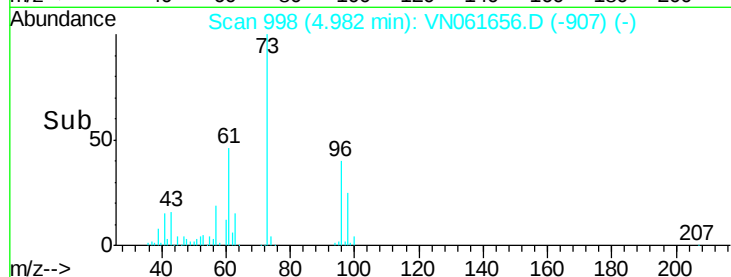
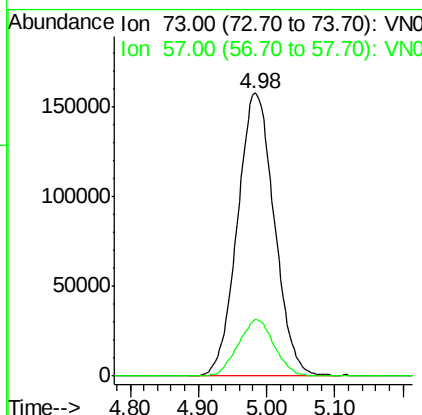
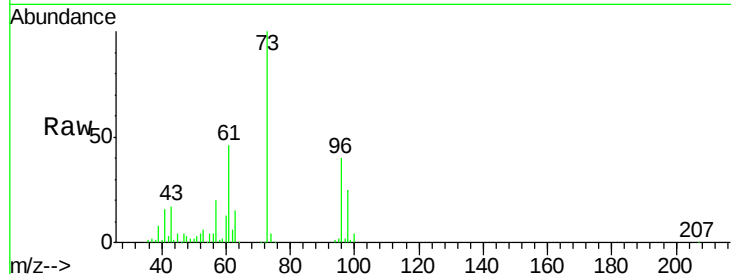




#19
Methvl tert-butvl Ether
Concen: 46.558 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

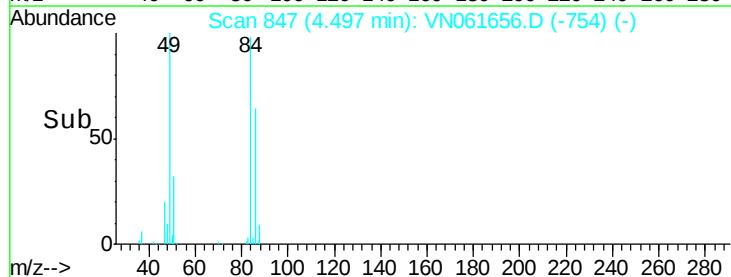
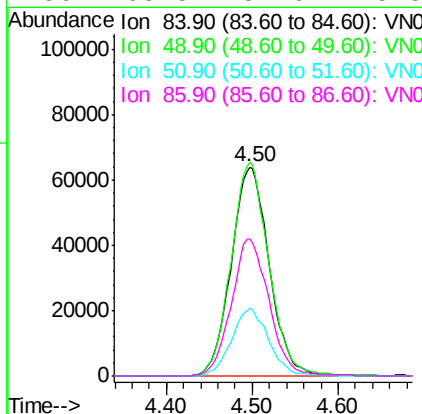
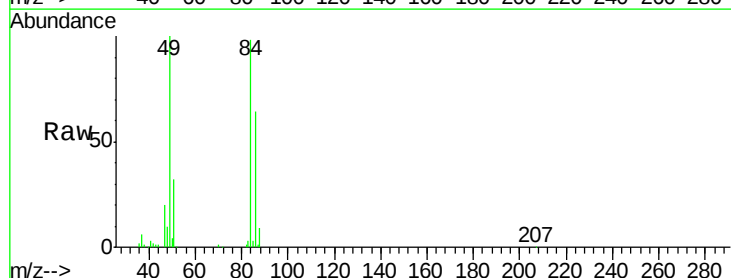
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

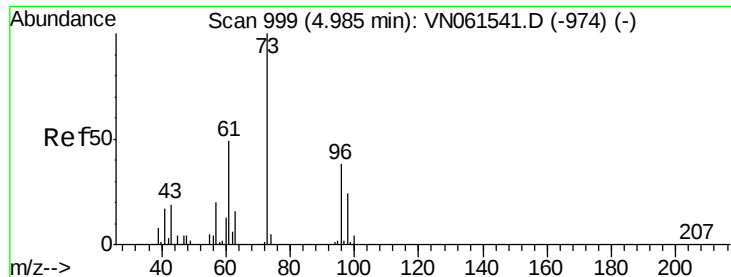
Tot Ion: 73 Resp: 591903
Ion Ratio Lower Upper
73 100
57 19.9 16.4 24.6



#20
Methylene Chloride
Concen: 49.615 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

Tgt Ion: 84 Resp: 196195
Ion Ratio Lower Upper
84 100
49 102.1 85.8 128.8
51 32.4 26.2 39.2
86 65.8 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 47.121 ug/l

RT: 4.98 min Scan# 997

Delta R.T. -0.01 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

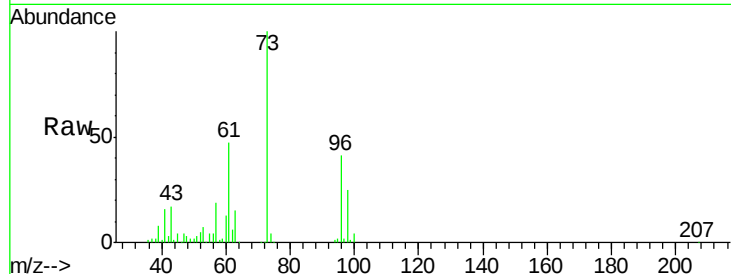
Tot Ion: 96 Resp: 198228

Ion Ratio Lower Upper

96 100

61 115.0 101.4 152.0

98 61.4 50.6 76.0

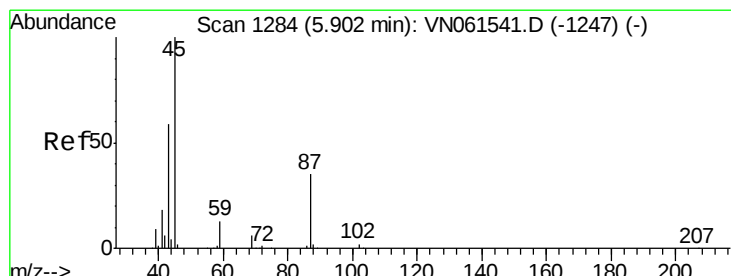
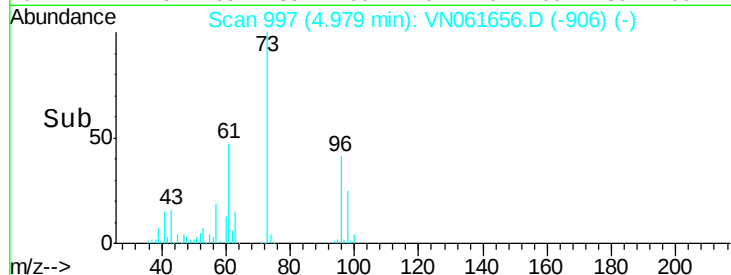
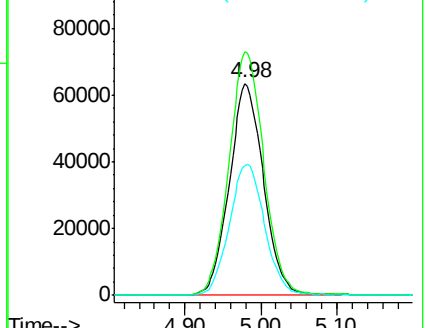


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 47.174 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Tgt Ion: 45 Resp: 507052

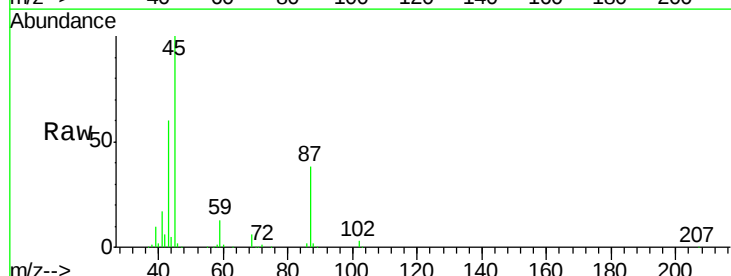
Ion Ratio Lower Upper

45 100

43 59.1 47.9 71.9

87 38.0 28.4 42.6

59 13.2 10.5 15.7



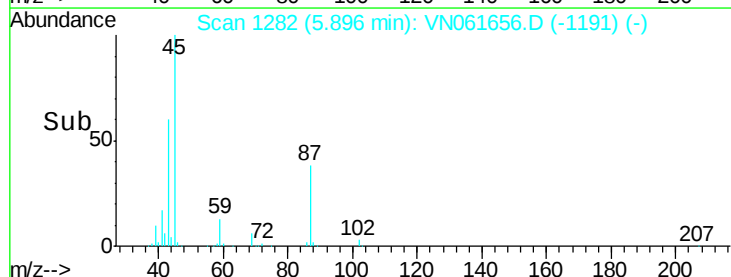
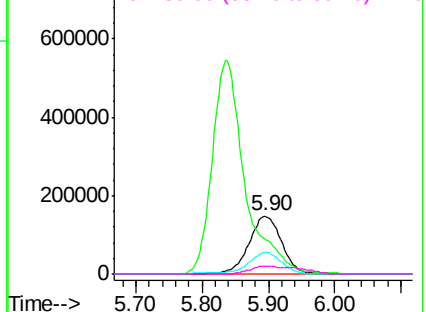
Abundance

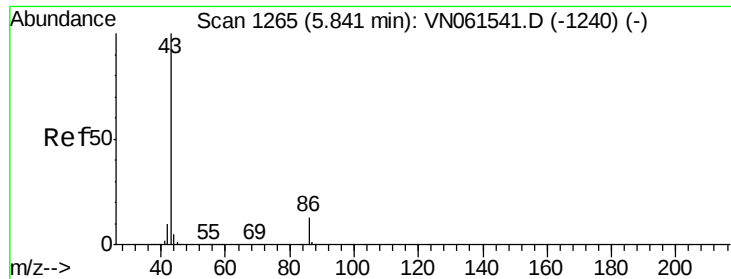
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

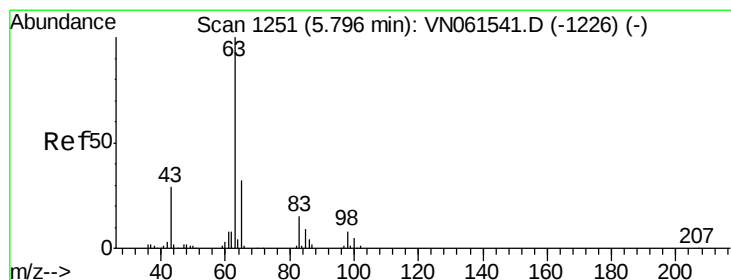
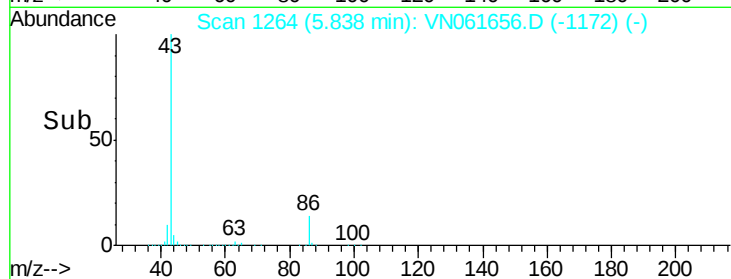
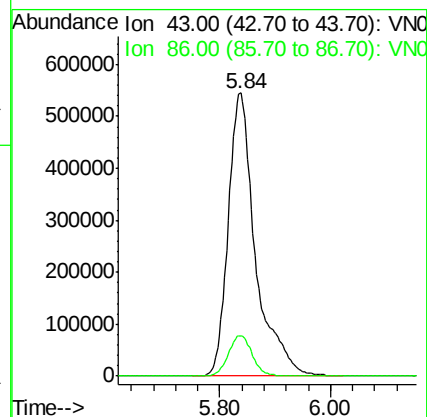
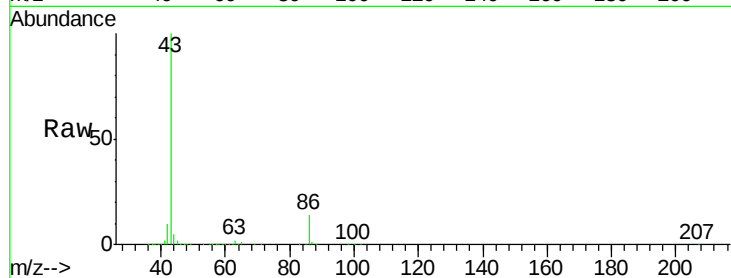




#23
 Vinyl Acetate
 Concen: 218.053 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN061656.D
 Acq: 4 Jun 2020 16:53

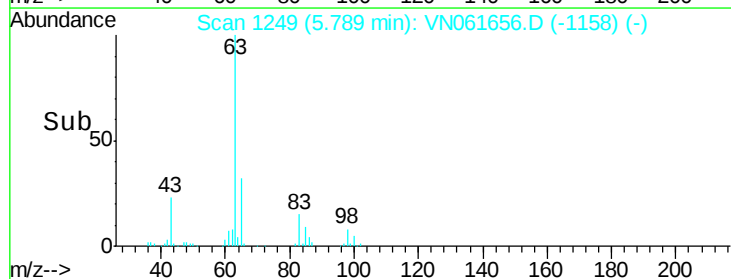
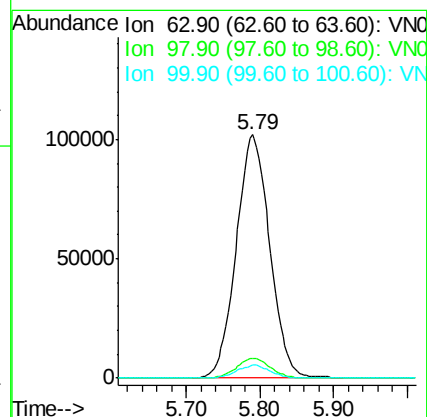
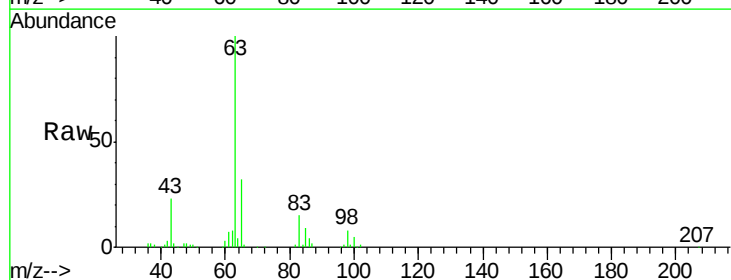
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

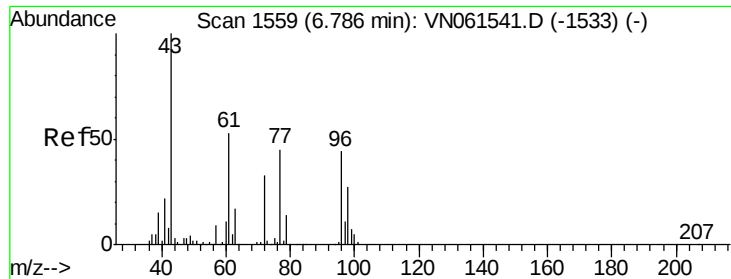
Tot Ion: 43 Resp: 1868035
 Ion Ratio Lower Upper
 43 100
 86 14.3 10.6 16.0



#24
 1,1-Dichloroethane
 Concen: 47.341 ug/l
 RT: 5.79 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VN061656.D
 Acq: 4 Jun 2020 16:53

Tgt Ion: 63 Resp: 322667
 Ion Ratio Lower Upper
 63 100
 98 8.2 3.8 11.4
 100 5.4 2.5 7.6





#25

2-Butanone

Concen: 214.533 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.01 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

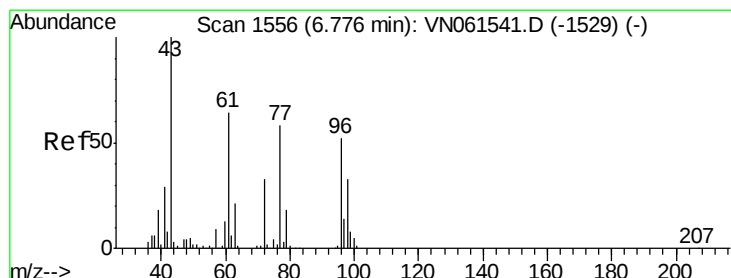
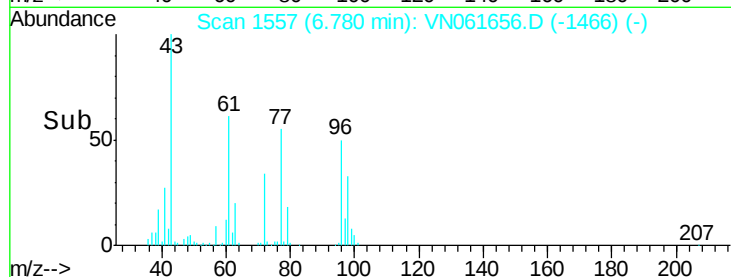
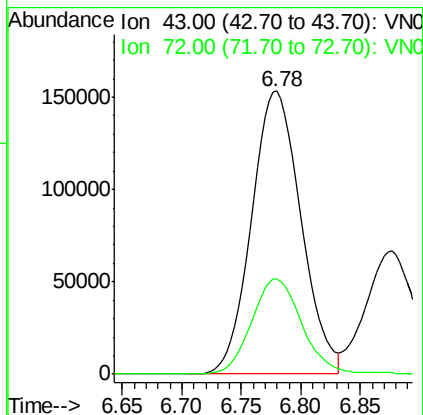
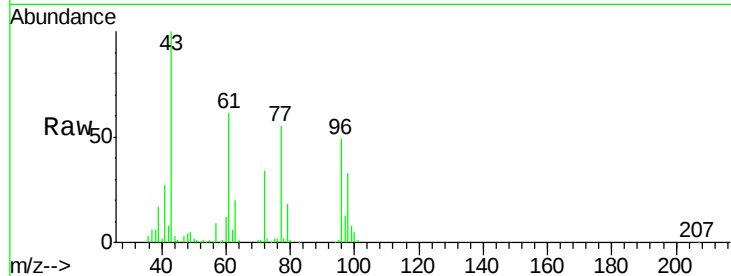
VSTDCCC050EC

Tot Ion: 43 Resp: 442225

Ion Ratio Lower Upper

43 100

72 33.9 26.0 39.0



#26

2,2-Dichloropropane

Concen: 49.059 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN061656.D

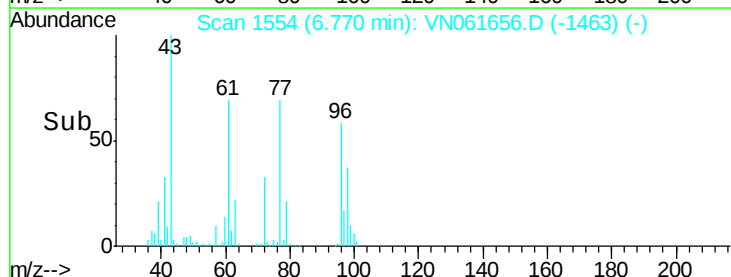
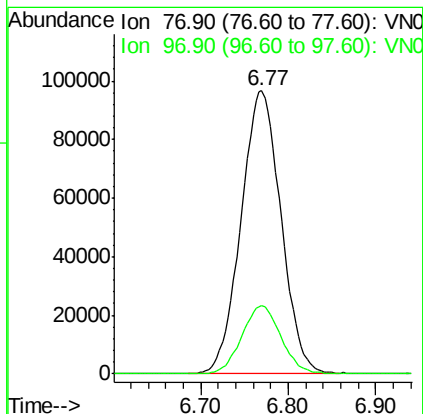
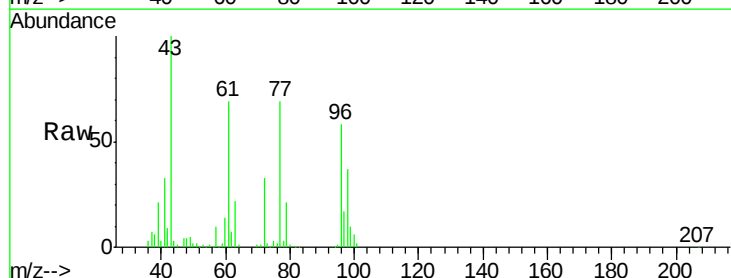
Acq: 4 Jun 2020 16:53

Tgt Ion: 77 Resp: 306044

Ion Ratio Lower Upper

77 100

97 23.7 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 49.535 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

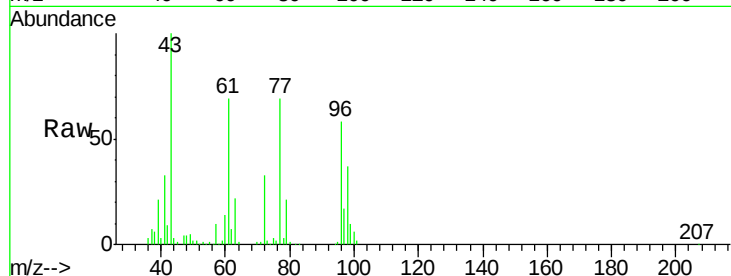
Tot Ion: 96 Resp: 235963

Ion Ratio Lower Upper

96 100

61 122.7 0.0 252.2

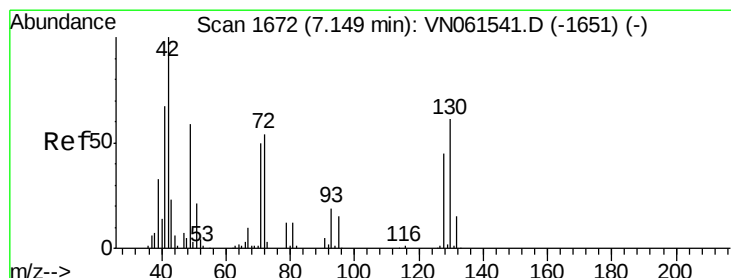
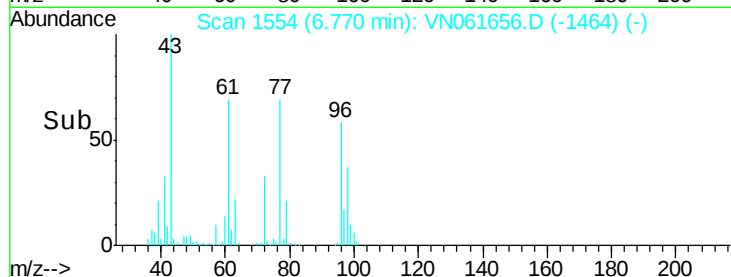
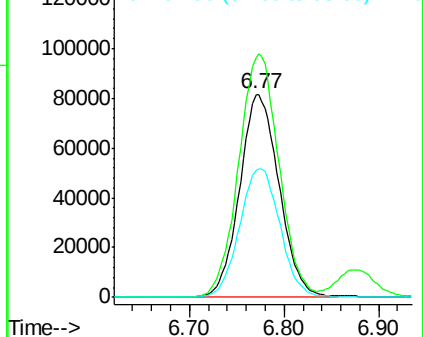
98 65.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN061656.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN061656.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN061656.D (-1464) (-)



#28

Bromochloromethane

Concen: 50.624 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

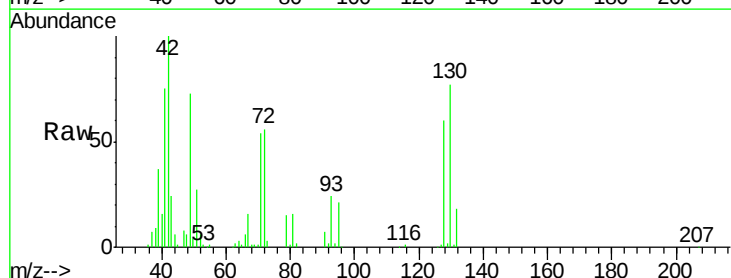
Tgt Ion: 49 Resp: 129489

Ion Ratio Lower Upper

49 100

129 2.8 0.0 4.8

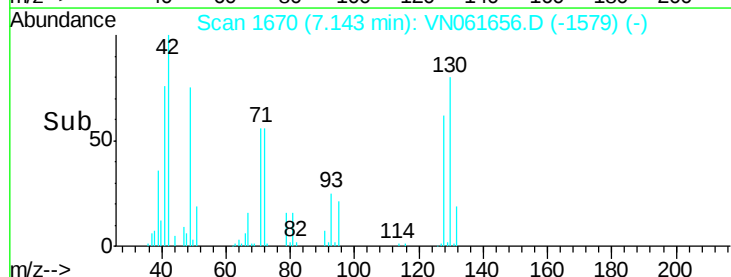
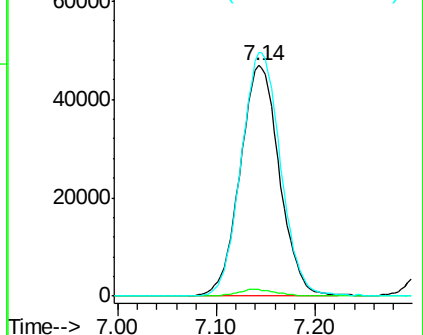
130 105.6 78.8 118.2

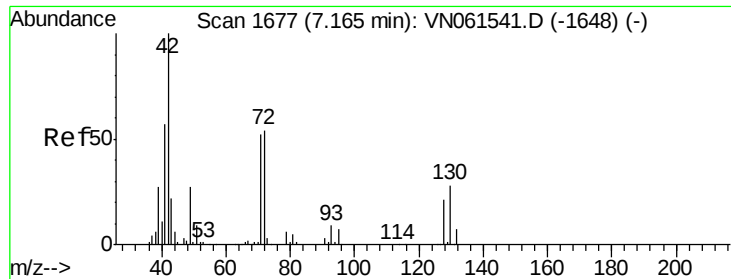


Abundance Ion 48.90 (48.60 to 49.60): VN061656.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN061656.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN061656.D (-1579) (-)

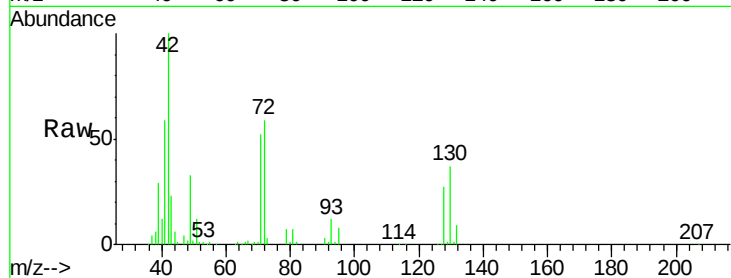




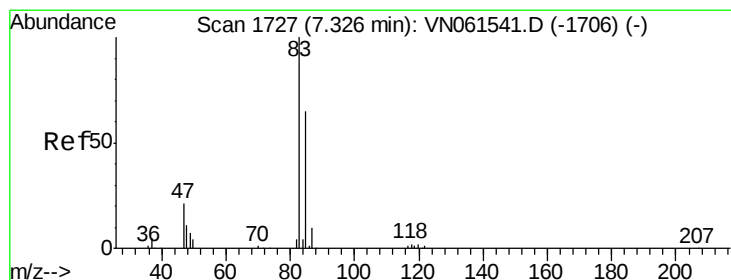
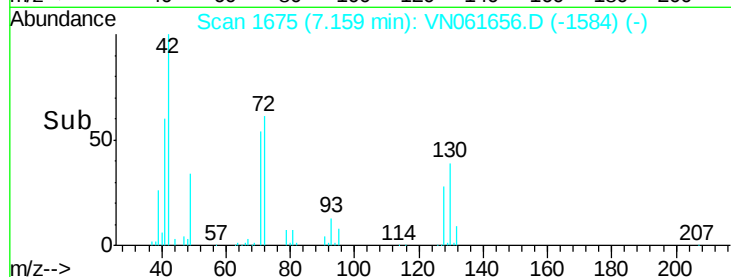
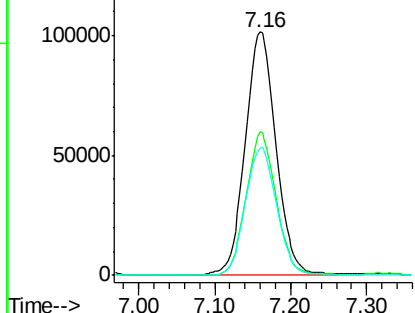
#29
Tetrahydrofuran
Concen: 211.751 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 287828
Ion Ratio Lower Upper
42 100
72 57.1 43.6 65.4
71 53.1 41.2 61.8

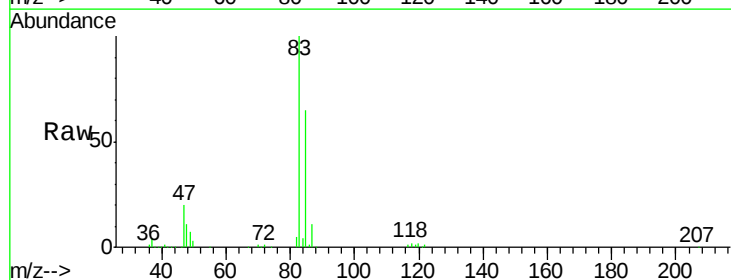


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

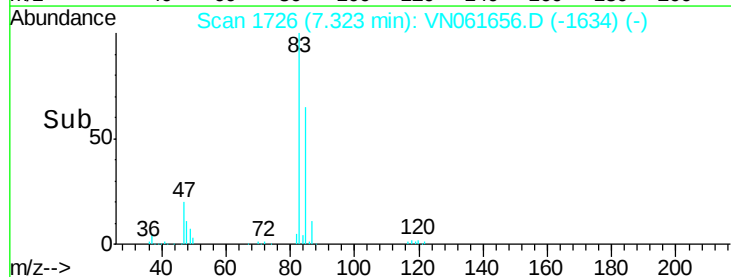
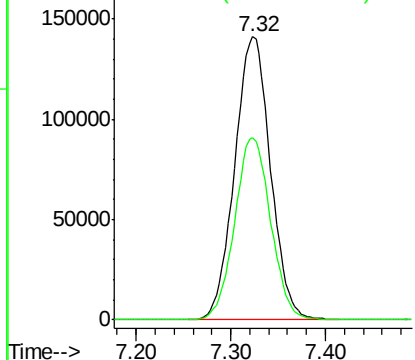


#30
Chloroform
Concen: 49.290 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

Tgt Ion: 83 Resp: 371672
Ion Ratio Lower Upper
83 100
85 64.6 51.7 77.5



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





#31

Cyclohexane

Concen: 43.946 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

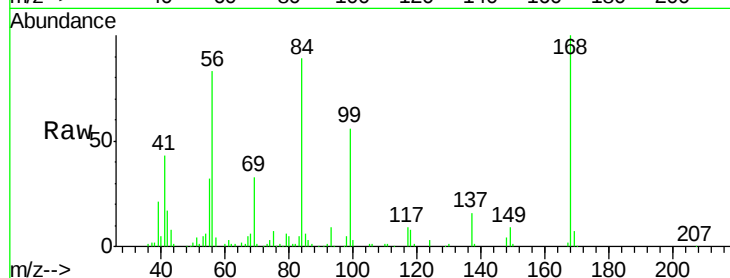
Tot Ion: 56 Resp: 269385

Ion Ratio Lower Upper

56 100

69 39.6 27.8 41.8

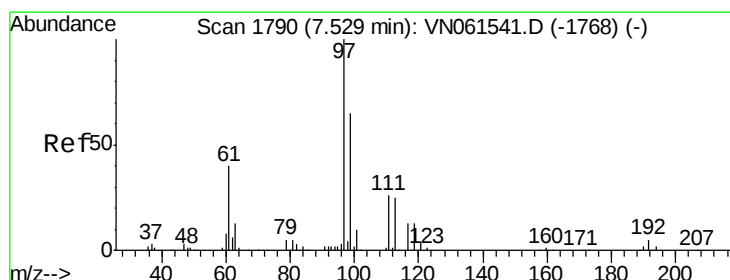
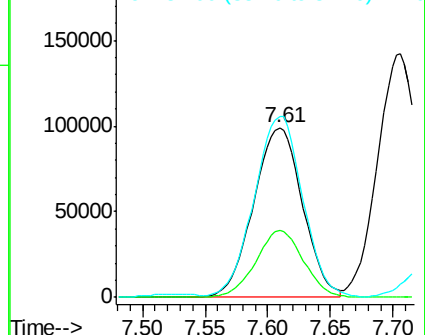
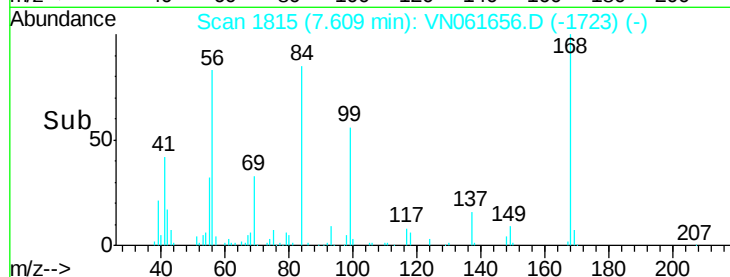
84 105.5 79.9 119.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 48.777 ug/l

RT: 7.52 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

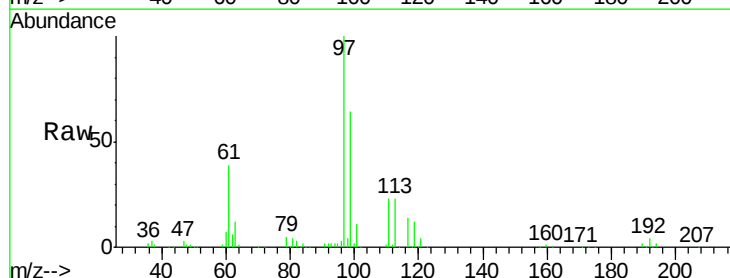
Tgt Ion: 97 Resp: 335141

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

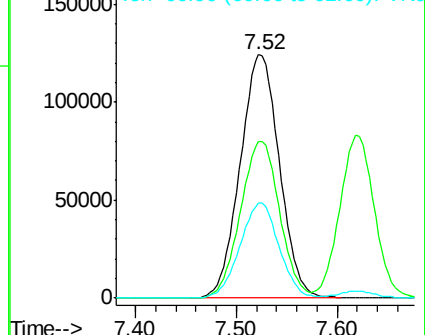
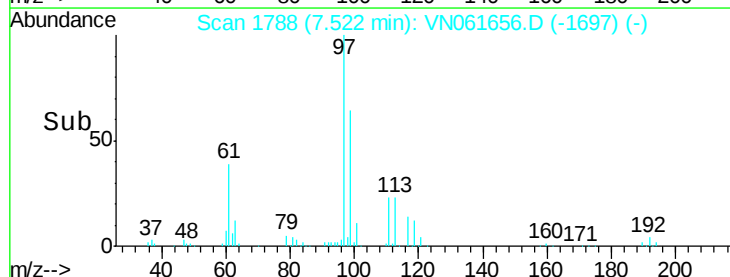
61 38.9 31.4 47.0



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

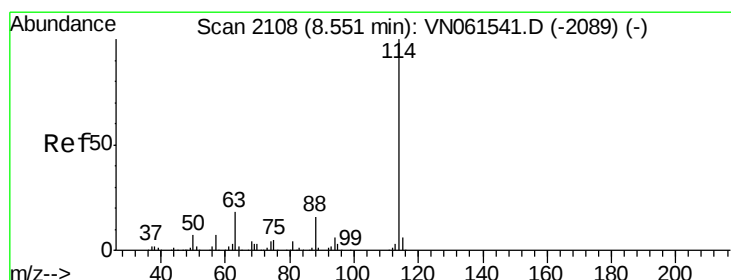
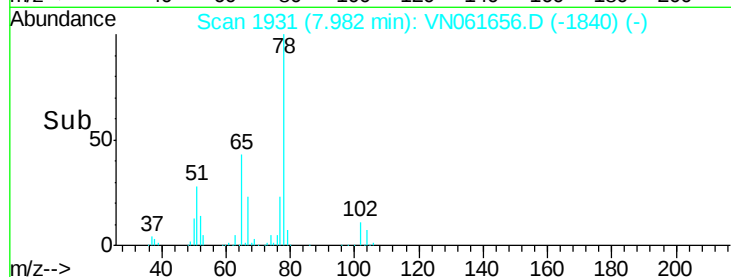
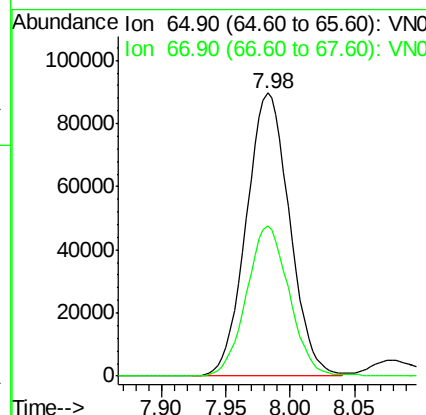
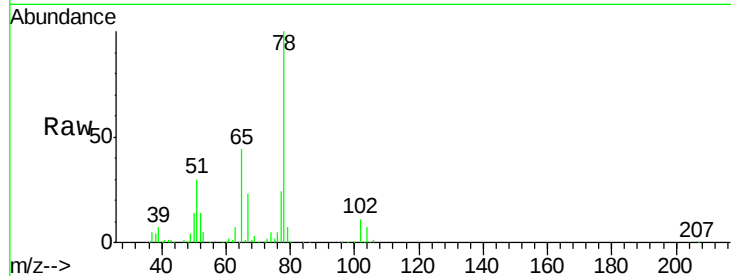




#33
 1,2-Dichloroethane-d4
 Concen: 48.251 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: VN061656.D
 Acq: 4 Jun 2020 16:53

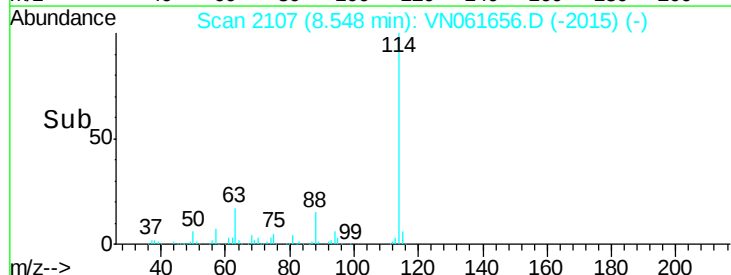
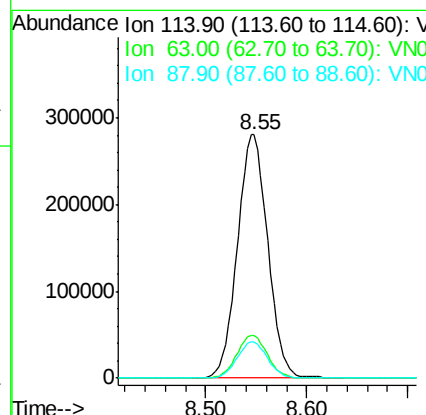
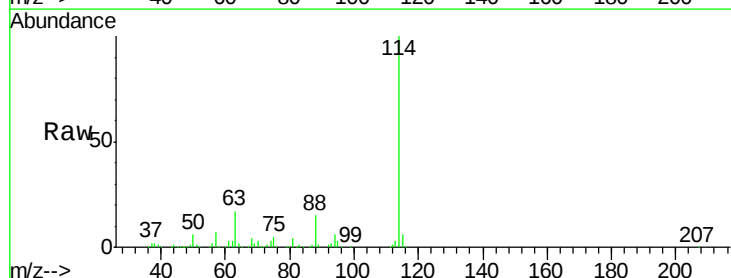
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

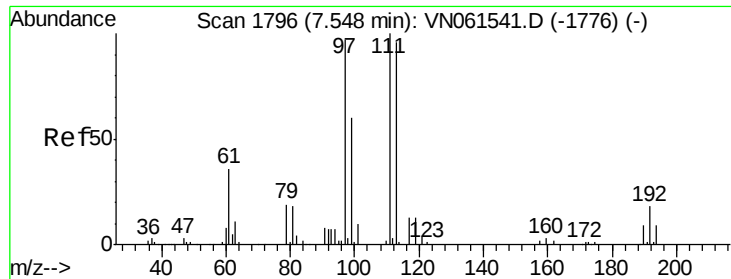
Tot Ion: 65 Resp: 209864
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061656.D
 Acq: 4 Jun 2020 16:53

Tgt Ion: 114 Resp: 586231
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.8
 88 14.9 0.0 31.0

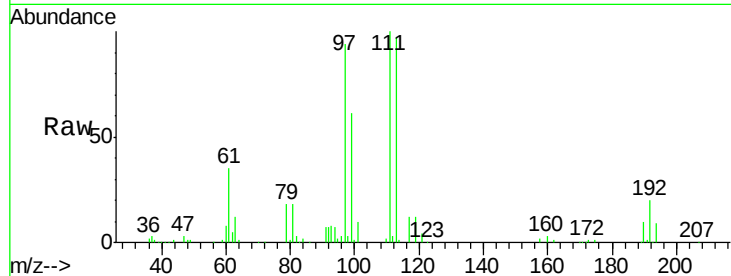




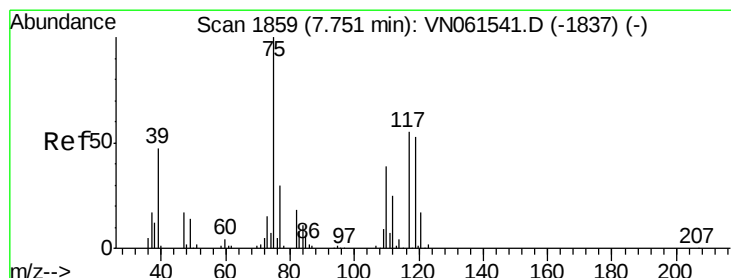
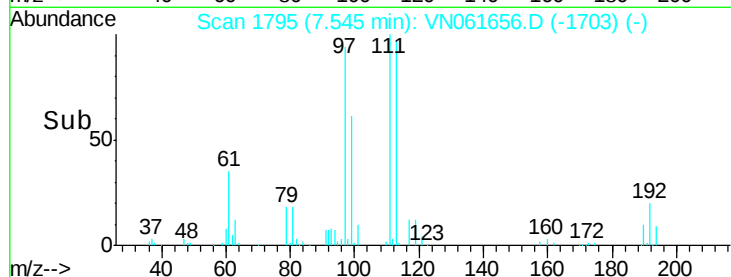
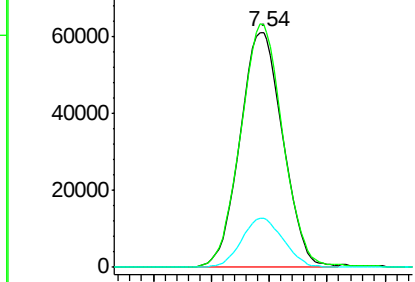
#35
 Dibromofluoromethane
 Concen: 52.963 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061656.D
 Acq: 4 Jun 2020 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.4	125.0
192	20.4	15.4	23.2

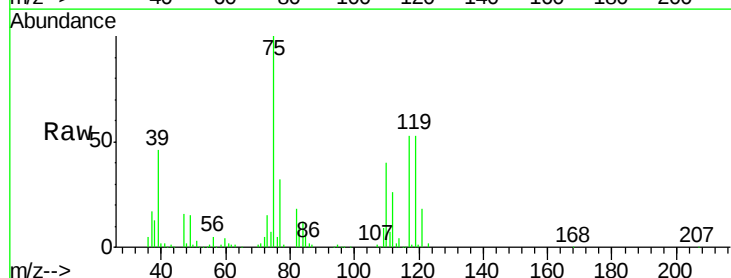


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

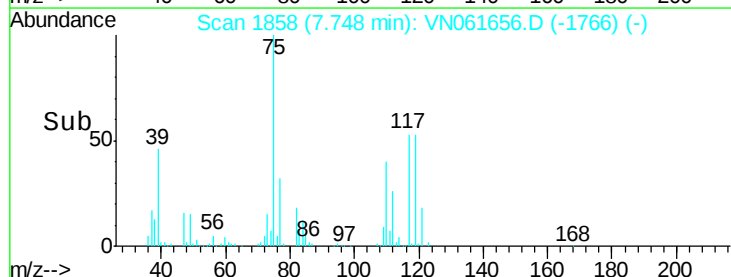
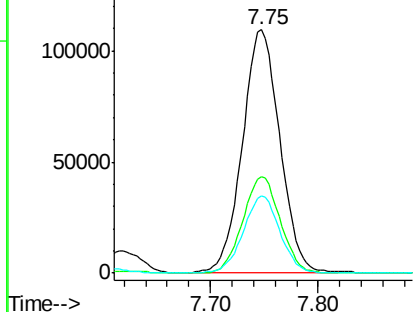


#36
 1,1-Dichloropropene
 Concen: 50.572 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061656.D
 Acq: 4 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.8	19.5	58.5
77	31.5	24.7	37.1



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

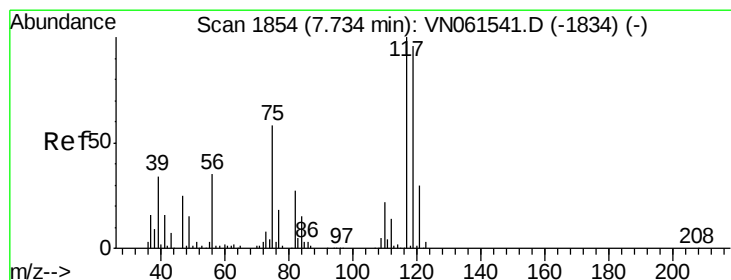
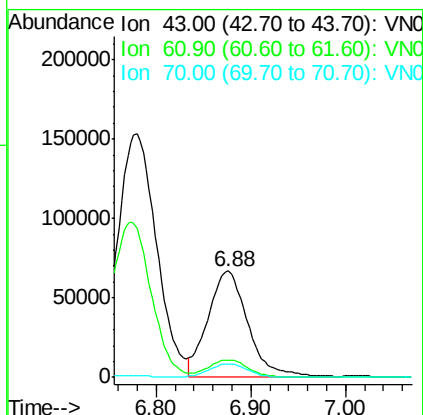
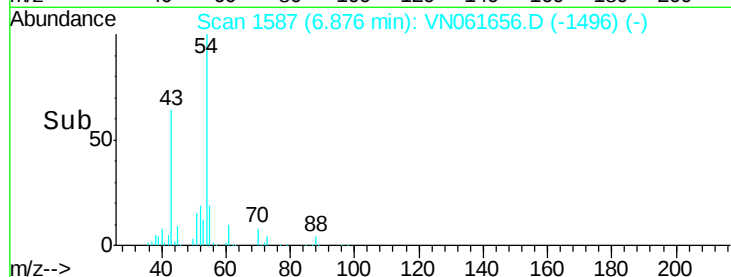
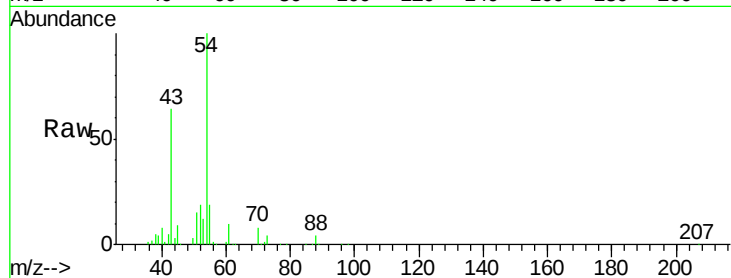




#37
Ethyl Acetate
Concen: 46.438 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

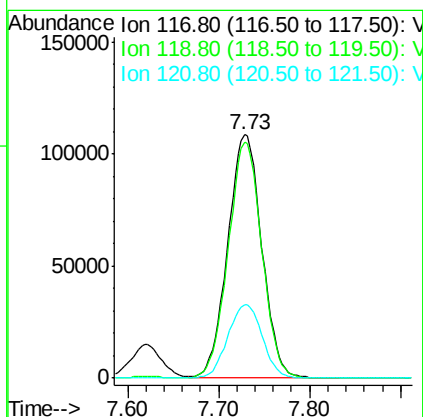
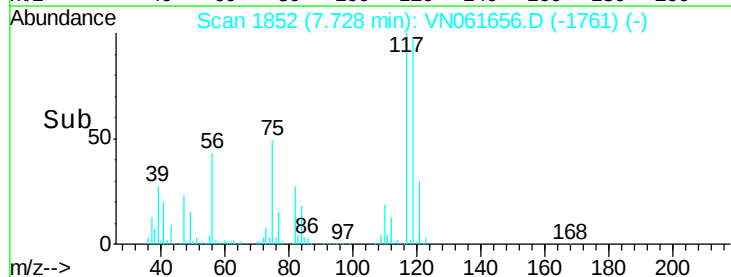
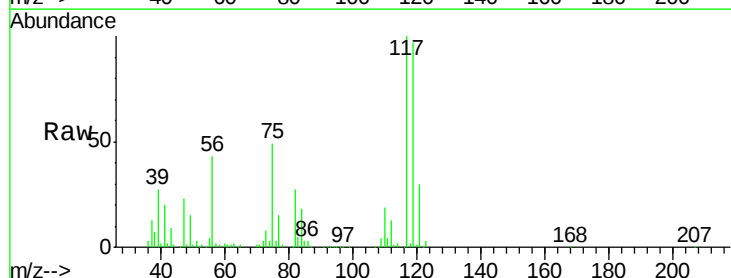
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

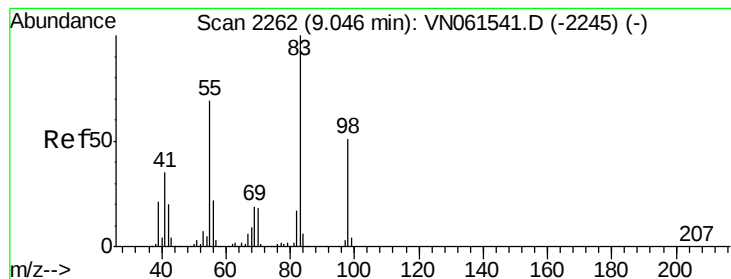
Tot Ion: 43 Resp: 194108
Ion Ratio Lower Upper
43 100
61 16.2 12.2 18.4
70 12.0 9.4 14.2



#38
Carbon Tetrachloride
Concen: 56.047 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

Tgt Ion: 117 Resp: 280563
Ion Ratio Lower Upper
117 100
119 96.8 76.5 114.7
121 30.1 24.1 36.1





#39

Methvlcvclohexane

Concen: 46.794 ug/l

RT: 9.04 min Scan# 2261

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

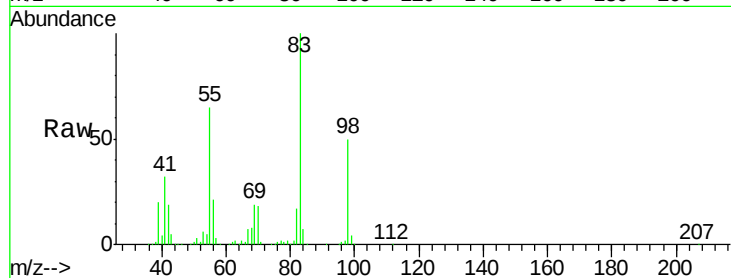
Tot Ion: 83 Resp: 299325

Ion Ratio Lower Upper

83 100

55 65.2 54.9 82.3

98 50.3 41.0 61.4

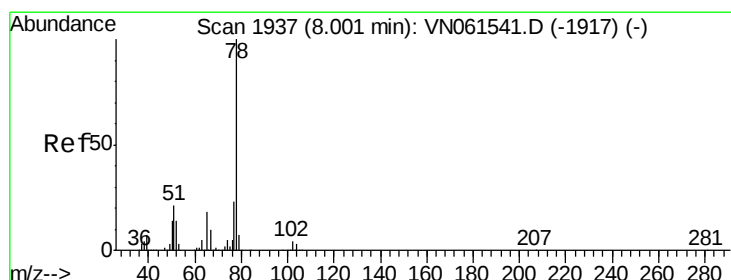
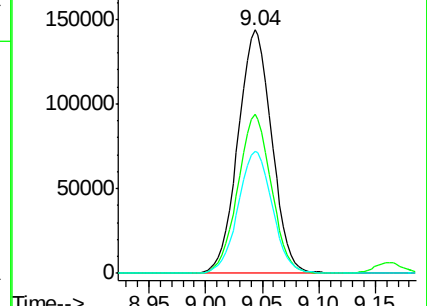
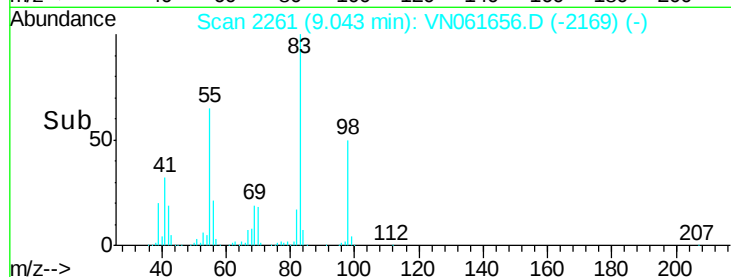


Abundance Ion 83.00 (82.70 to 83.70): VN061541.D (-2245) (-)

Ion 55.00 (54.70 to 55.70): VN061541.D (-2245) (-)

Ion 98.00 (97.70 to 98.70): VN061541.D (-2245) (-)

Time-->



#40

Benzene

Concen: 50.771 ug/l

RT: 8.00 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VN061656.D

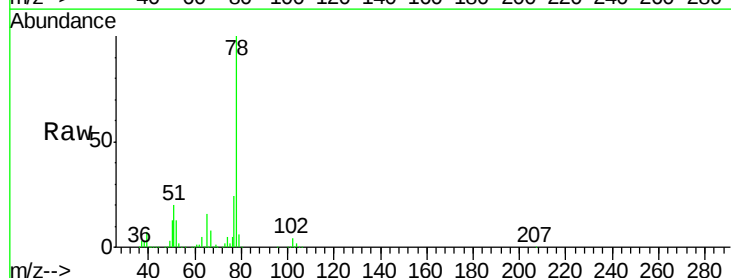
Acq: 4 Jun 2020 16:53

Tgt Ion: 78 Resp: 812976

Ion Ratio Lower Upper

78 100

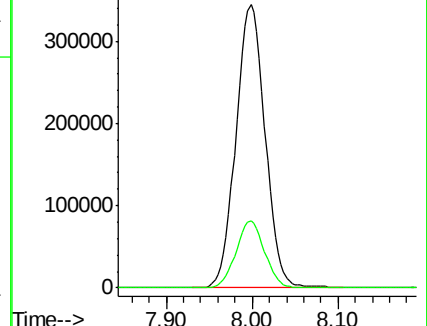
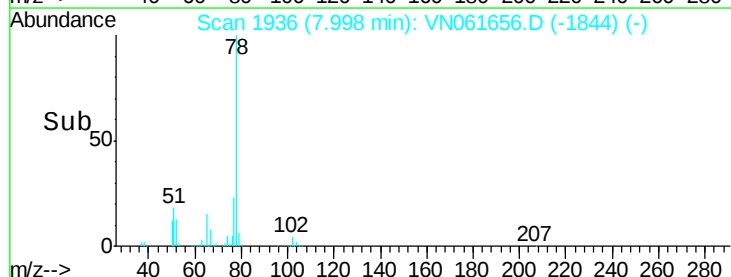
77 23.6 18.6 28.0

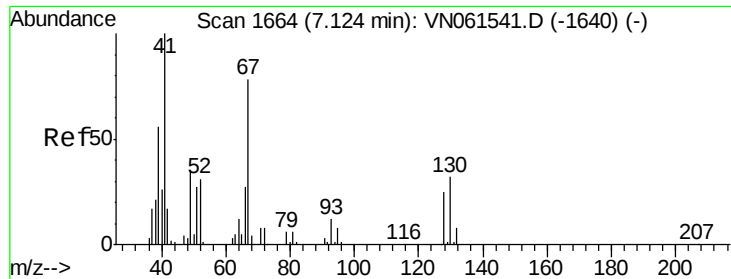


Abundance Ion 78.00 (77.70 to 78.70): VN061541.D (-1917) (-)

Ion 77.00 (76.70 to 77.70): VN061541.D (-1917) (-)

Time-->

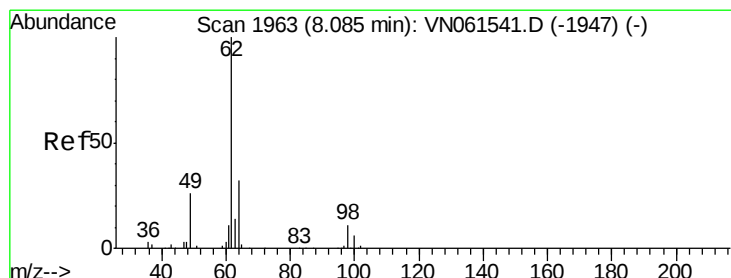
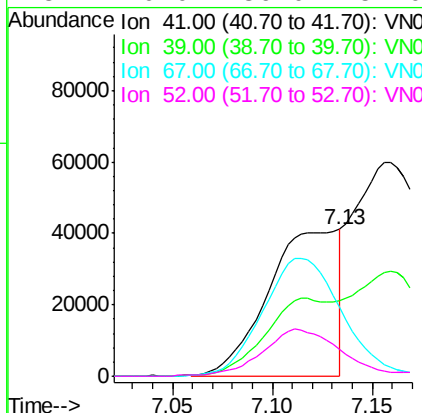
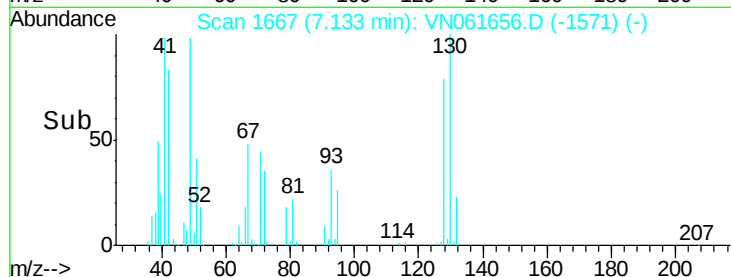
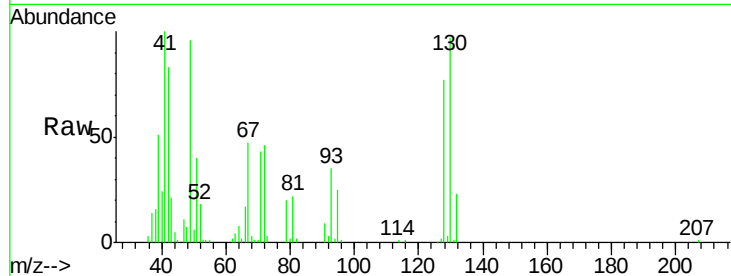




#41
Methacrylonitrile
Concen: 52.675 ug/l m
RT: 7.13 min Scan# 1667
Delta R.T. 0.01 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

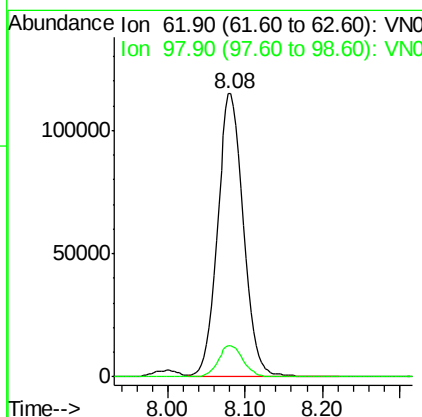
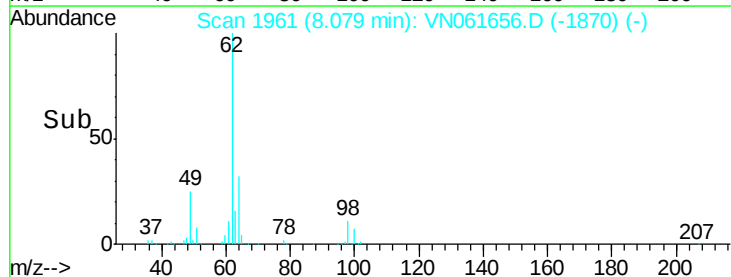
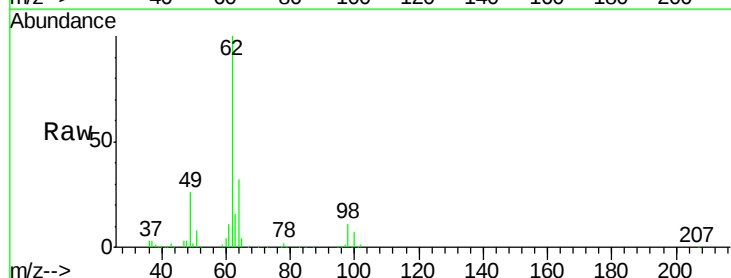
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

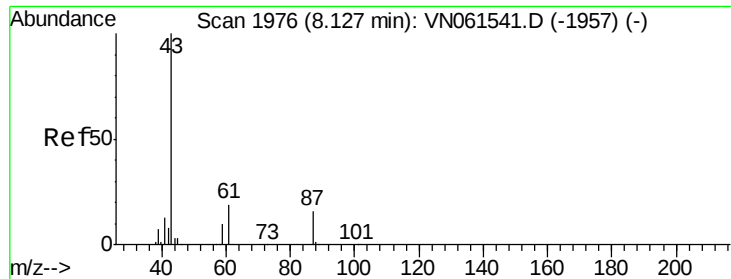
Tot Ion: 41 Resp: 100877
Ion Ratio Lower Upper
41 100
39 0.0 53.8 80.6#
67 0.0 91.1 136.7#
52 0.0 36.0 54.0#



#42
1,2-Dichloroethane
Concen: 50.000 ug/l
RT: 8.08 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

Tgt Ion: 62 Resp: 268036
Ion Ratio Lower Upper
62 100
98 10.6 0.0 21.4



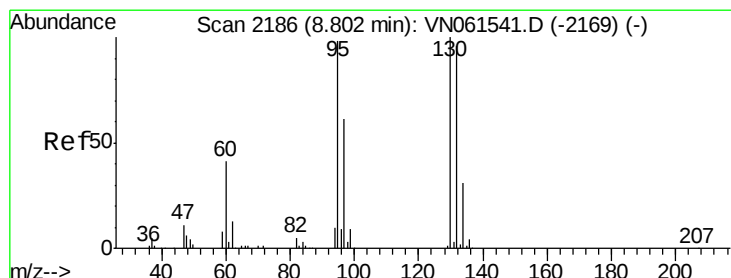
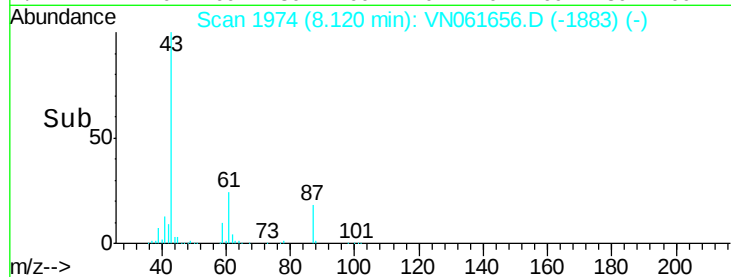
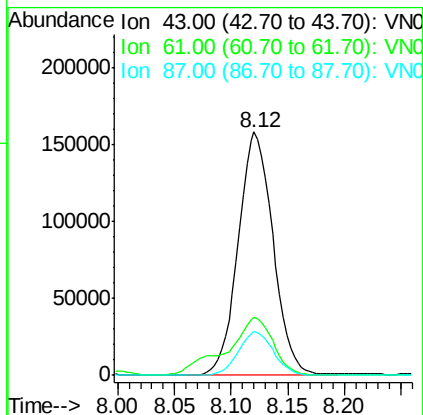
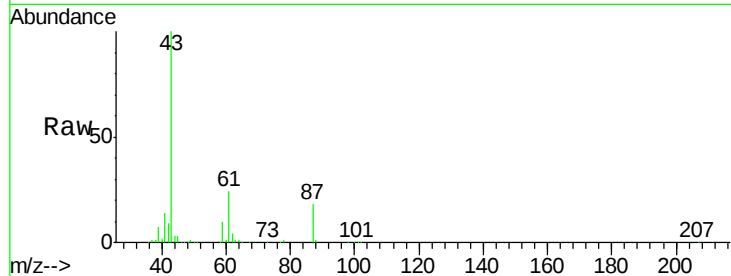


#43

Isopropyl Acetate
 Concen: 45.008 ug/l
 RT: 8.12 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: VN061656.D
 Acq: 4 Jun 2020 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

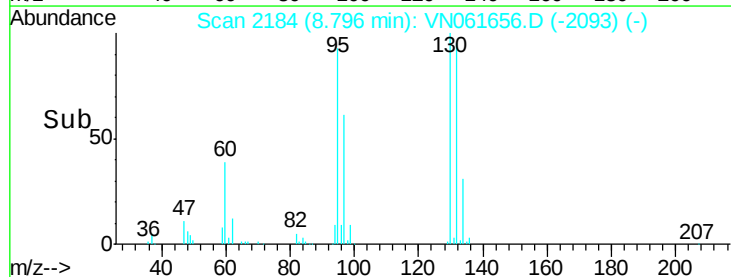
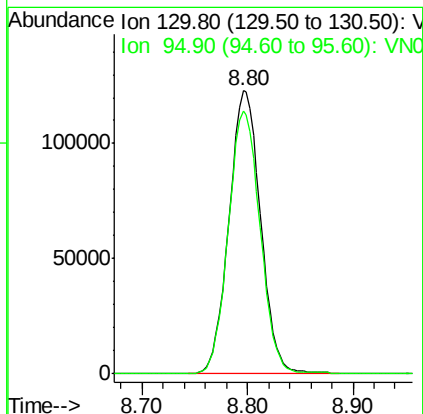
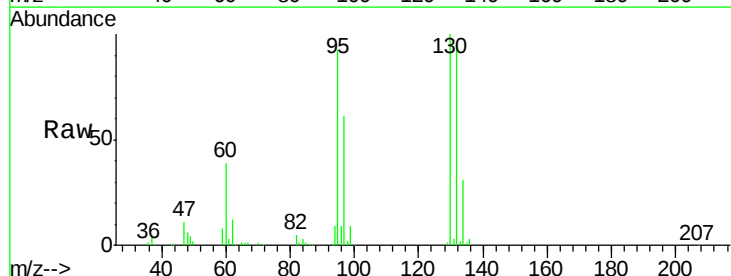
Tot Ion: 43 Resp: 338469
 Ion Ratio Lower Upper
 43 100
 61 31.5 23.6 35.4
 87 18.2 13.0 19.6



#44

Trichloroethene
 Concen: 51.863 ug/l
 RT: 8.80 min Scan# 2184
 Delta R.T. -0.01 min
 Lab File: VN061656.D
 Acq: 4 Jun 2020 16:53

Tgt Ion: 130 Resp: 255221
 Ion Ratio Lower Upper
 130 100
 95 93.0 0.0 196.6





#45

1,2-Dichloropropane

Concen: 50.612 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

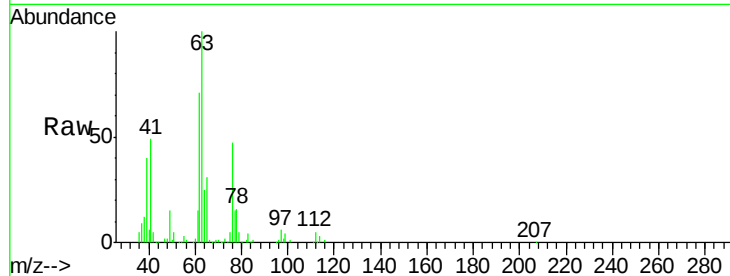
VSTDCCC050EC

Tot Ion: 63 Resp: 192440

Ion Ratio Lower Upper

63 100

65 30.6 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.08

100000

80000

60000

40000

20000

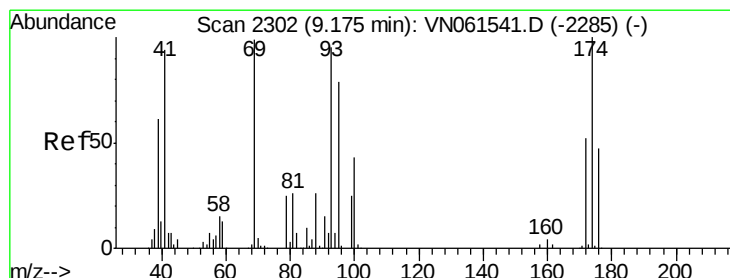
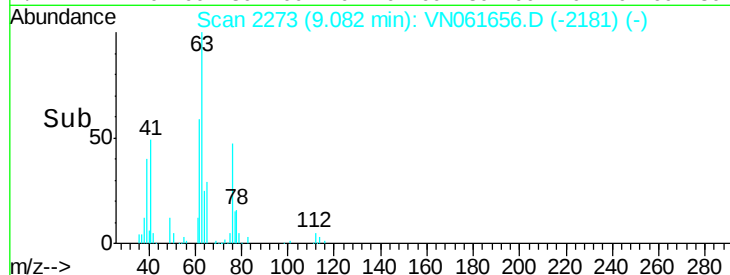
0

Time-->

9.00

9.10

9.20



#46

Dibromomethane

Concen: 50.218 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

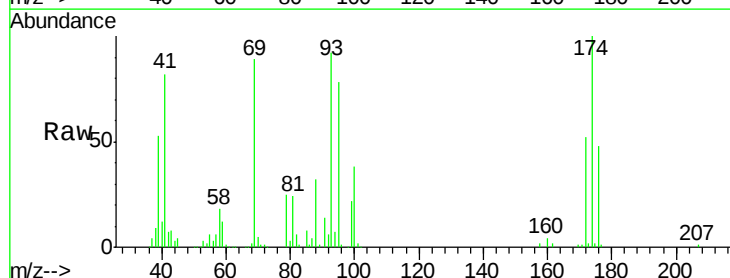
Tgt Ion: 93 Resp: 146441

Ion Ratio Lower Upper

93 100

95 84.1 66.0 99.0

174 106.3 82.5 123.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.17

100000

80000

60000

40000

20000

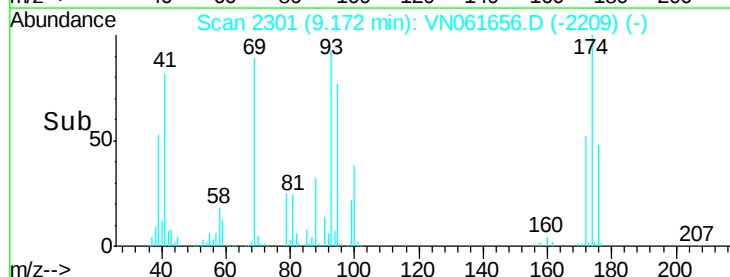
0

Time-->

9.10

9.20

9.30





#47

Bromodichloromethane

Concen: 51.616 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

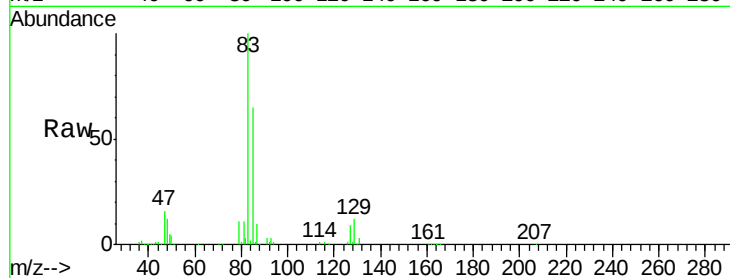
Tot Ion: 83 Resp: 298210

Ion Ratio Lower Upper

83 100

85 64.8 51.1 76.7

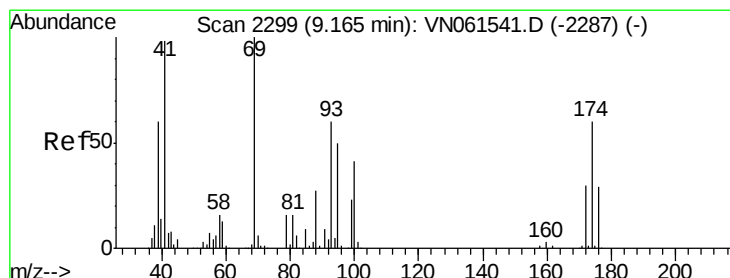
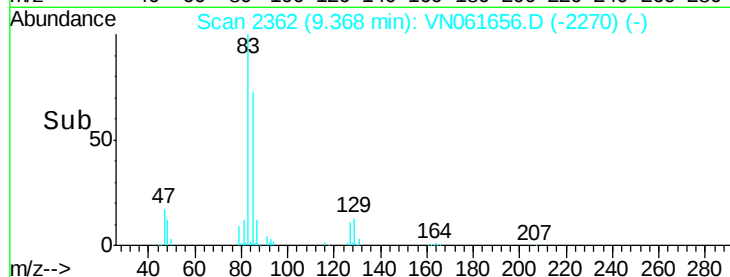
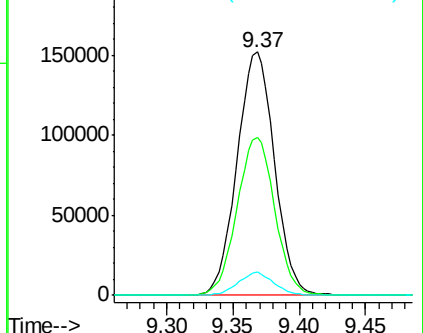
127 9.4 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN061656.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061656.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061656.D (-2270) (-)



#48

Methyl methacrylate

Concen: 44.339 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

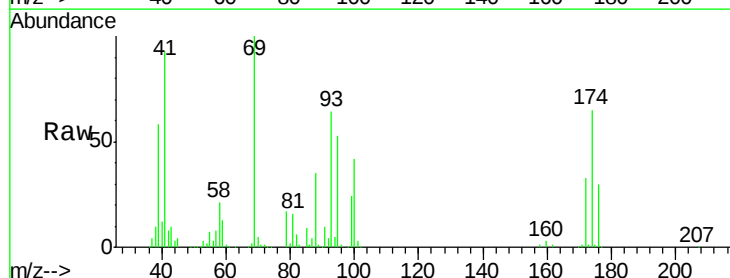
Tgt Ion: 41 Resp: 150017

Ion Ratio Lower Upper

41 100

69 110.9 83.9 125.9

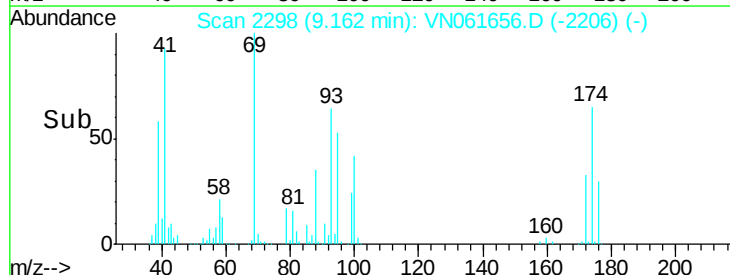
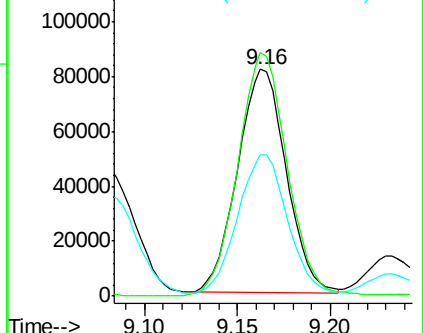
39 65.2 52.1 78.1

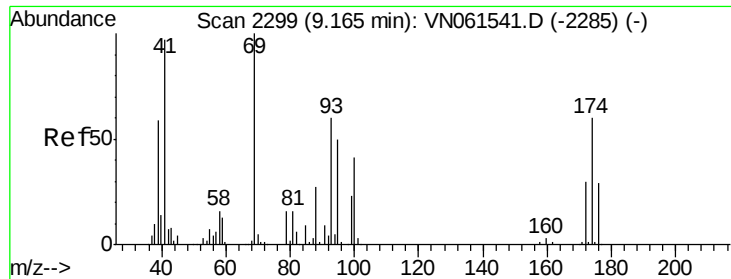


Abundance Ion 41.00 (40.70 to 41.70): VN061656.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061656.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061656.D (-2206) (-)

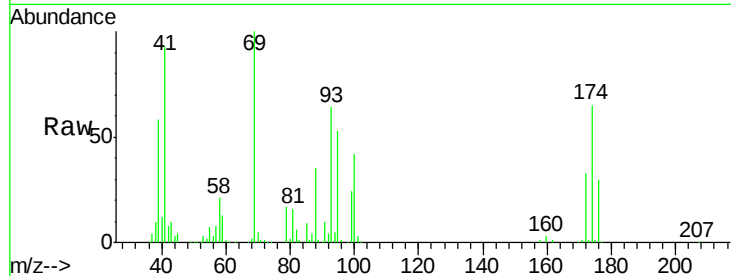




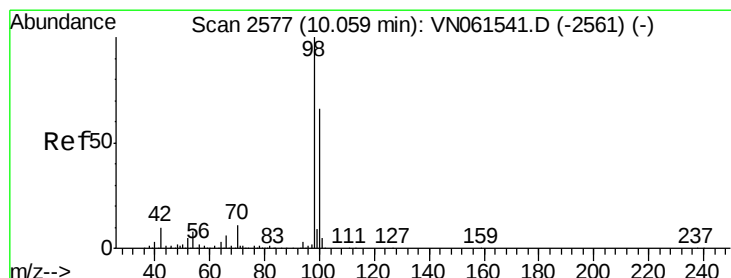
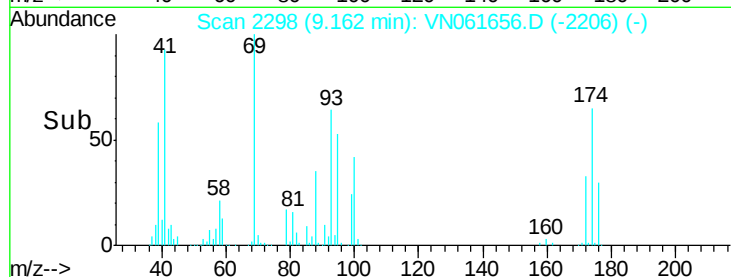
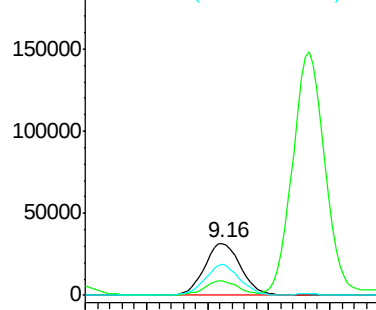
#49
1,4-Dioxane
Concen: 1240.898 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 65042
Ion Ratio Lower Upper
88 100
43 25.1 23.1 34.7
58 57.0 48.3 72.5

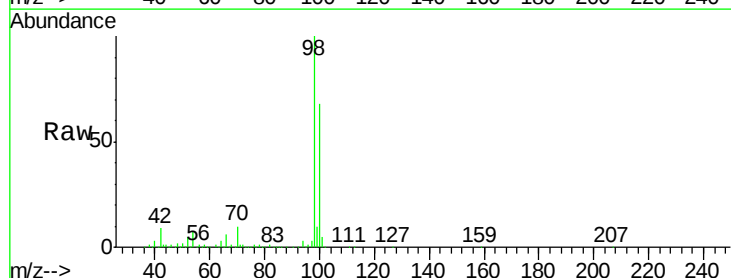


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

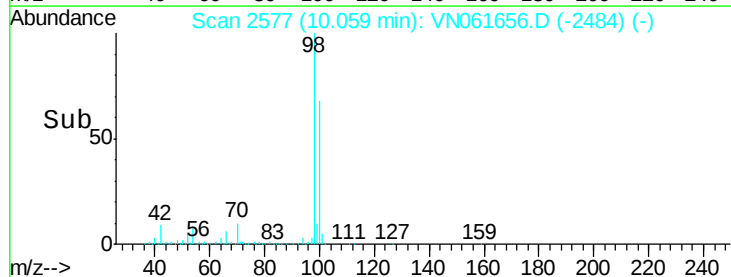
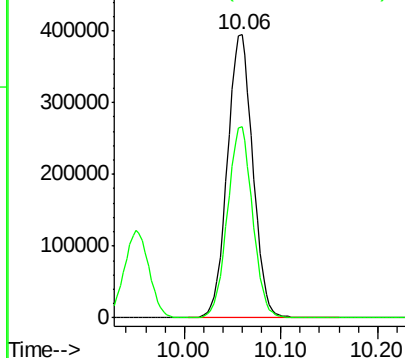


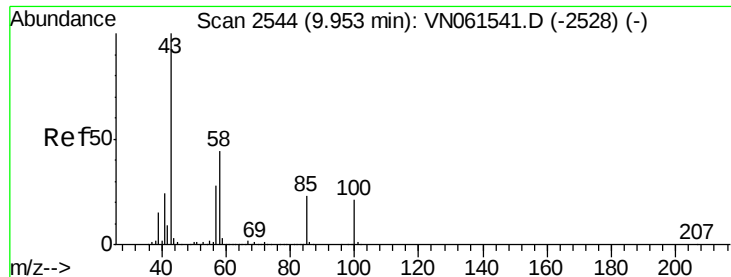
#50
Toluene-d8
Concen: 52.395 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

Tgt Ion: 98 Resp: 722062
Ion Ratio Lower Upper
98 100
100 66.1 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: 232.783 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

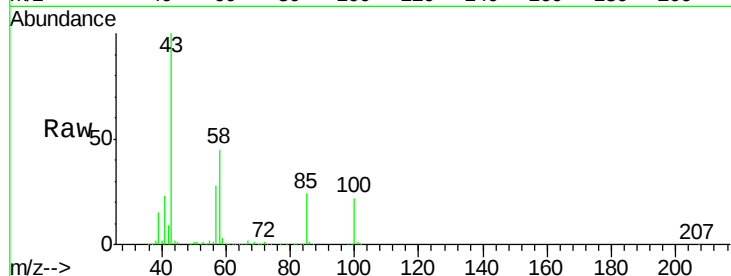
VSTDCCC050EC

Tot Ion: 43 Resp: 986488

Ion Ratio Lower Upper

43 100

58 45.2 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

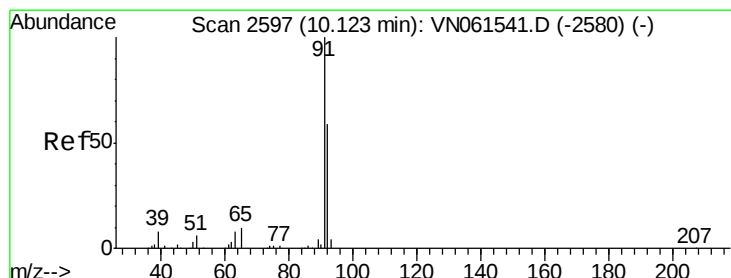
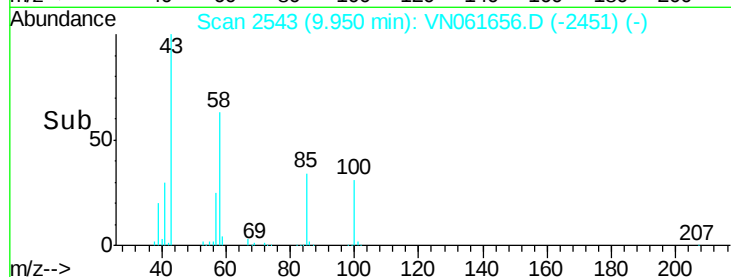
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.657 ug/l

RT: 10.12 min Scan# 2596

Delta R.T. -0.00 min

Lab File: VN061656.D

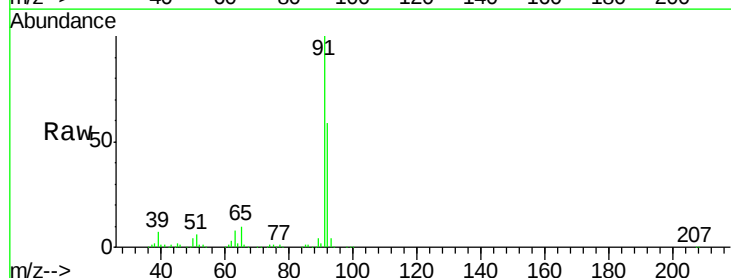
Acq: 4 Jun 2020 16:53

Tgt Ion: 92 Resp: 550326

Ion Ratio Lower Upper

92 100

91 171.6 136.4 204.6



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

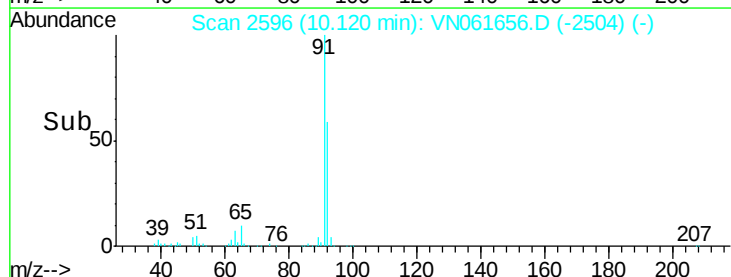
300000

200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.820 ug/l

RT: 10.35 min Scan# 2667

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

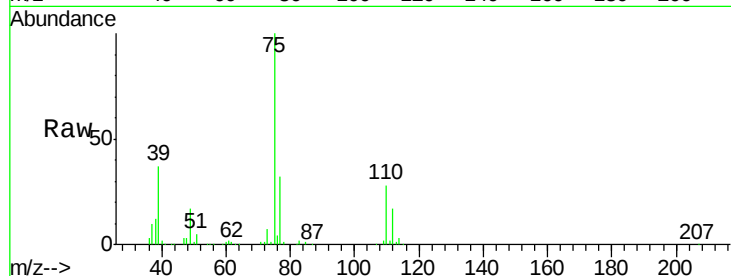
VSTDCCC050EC

Tot Ion: 75 Resp: 322520

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

200000

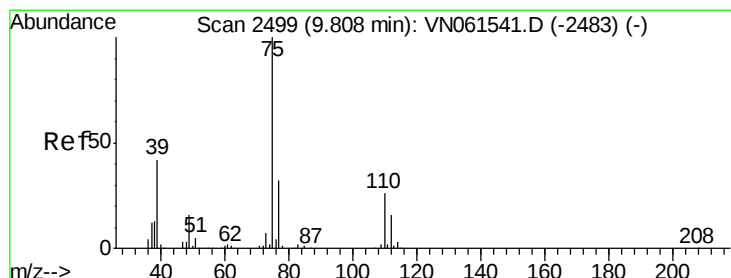
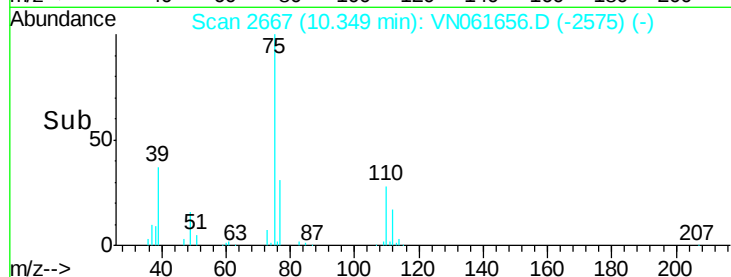
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.411 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

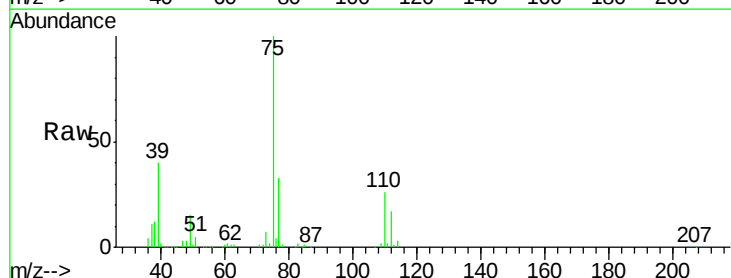
Tgt Ion: 75 Resp: 344047

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.2

39 40.2 33.8 50.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.81

250000

200000

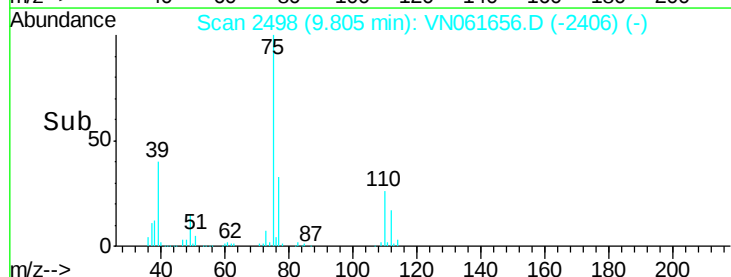
150000

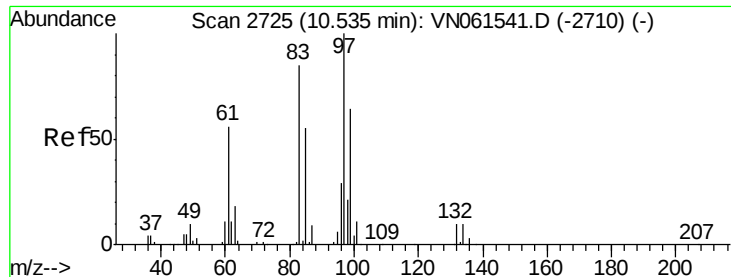
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 51.956 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 216335

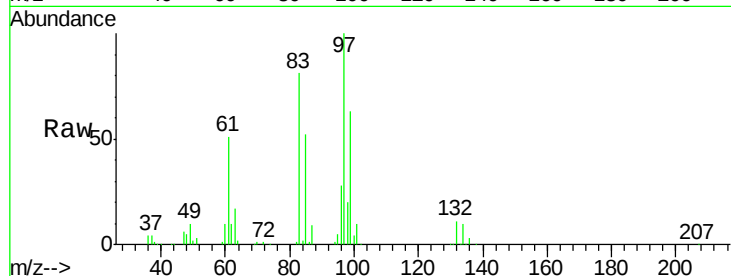
Ion Ratio Lower Upper

97 100

83 80.8 68.1 102.1

85 52.3 44.1 66.1

99 63.4 51.1 76.7

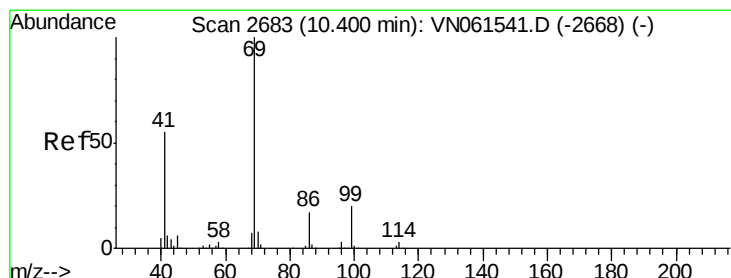
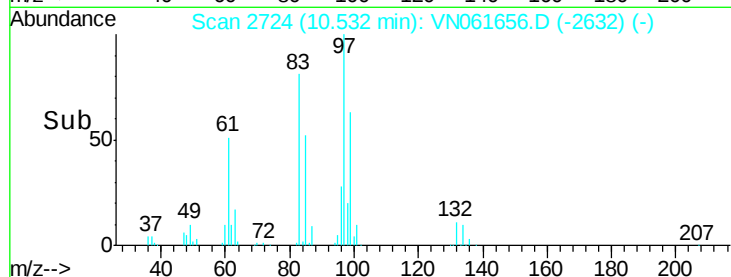
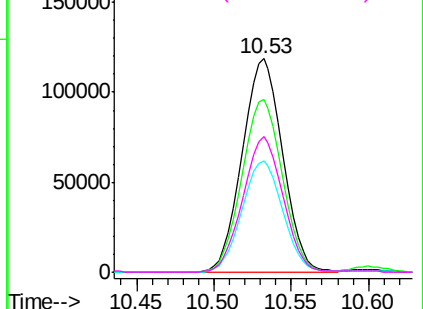


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 51.511 ug/l

RT: 10.40 min Scan# 2682

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

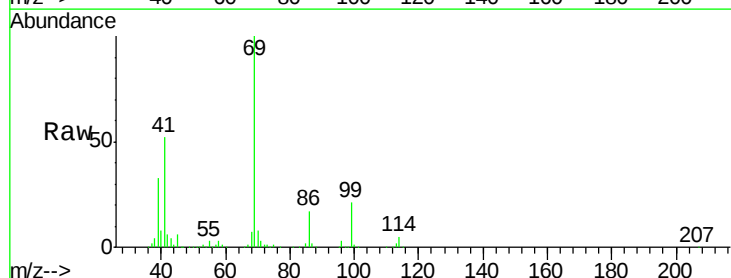
Tgt Ion: 69 Resp: 299611

Ion Ratio Lower Upper

69 100

41 51.7 43.5 65.3

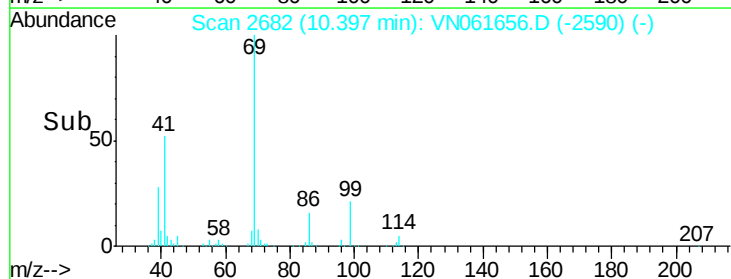
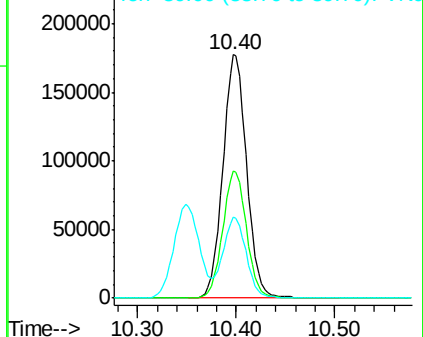
39 32.7 27.0 40.6

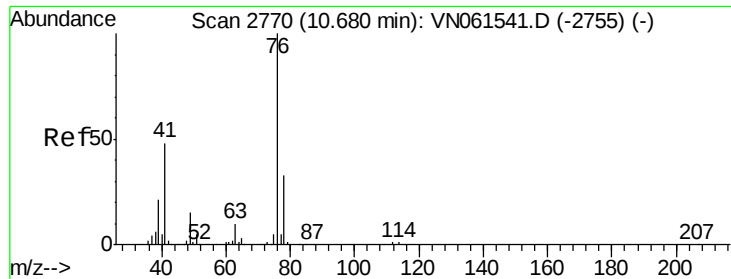


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

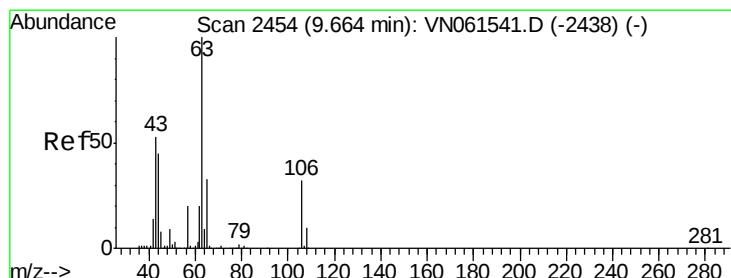
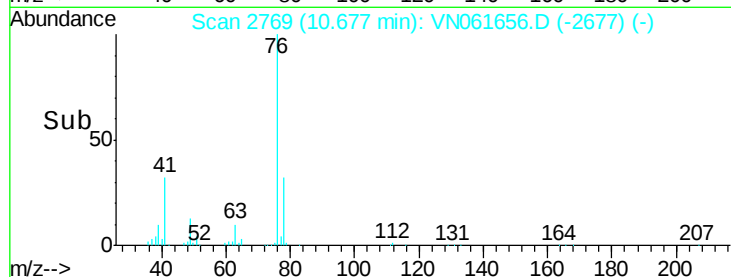
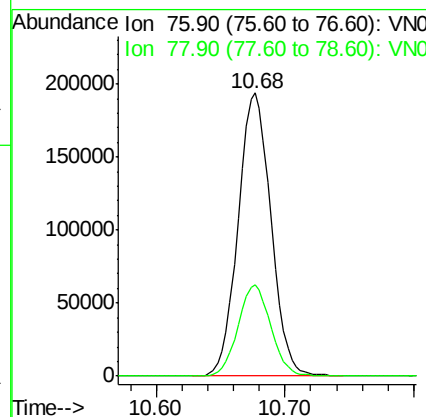
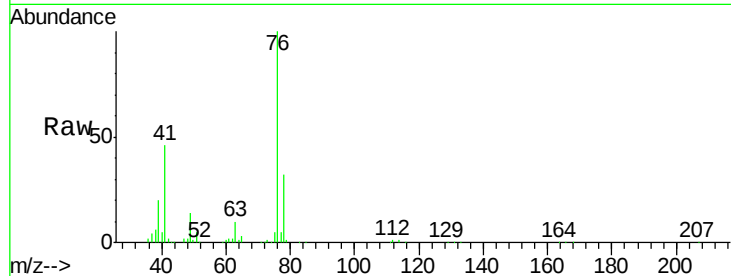




#57
 1,3-Dichloropropane
 Concen: 51.531 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061656.D
 Acq: 4 Jun 2020 16:53

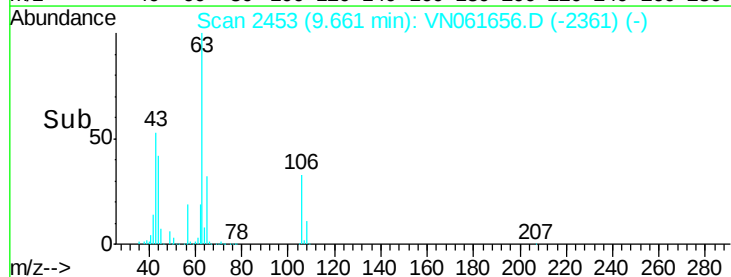
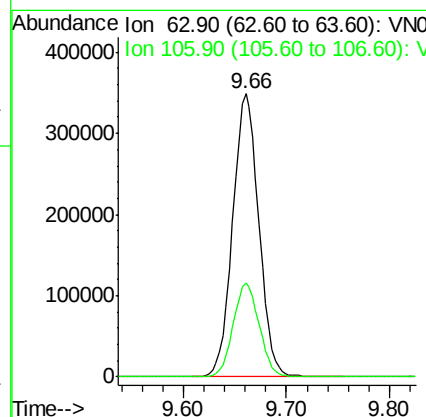
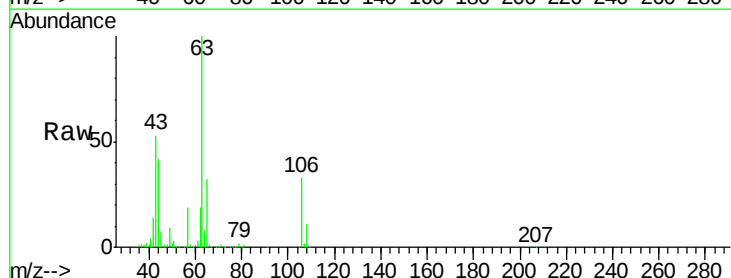
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

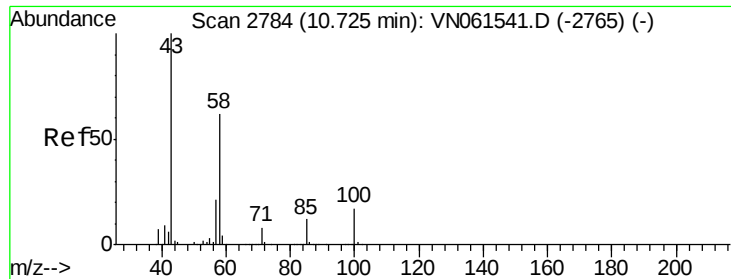
Tot Ion: 76 Resp: 343171
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.890 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061656.D
 Acq: 4 Jun 2020 16:53

Tgt Ion: 63 Resp: 616161
 Ion Ratio Lower Upper
 63 100
 106 33.1 25.9 38.9

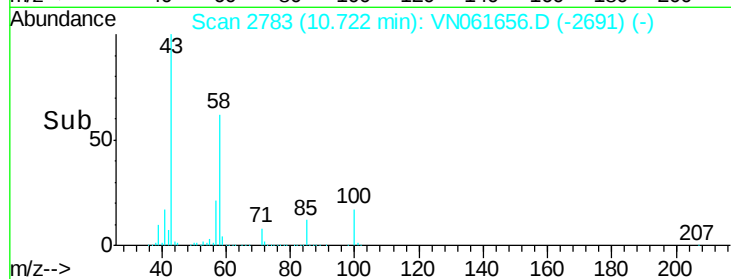
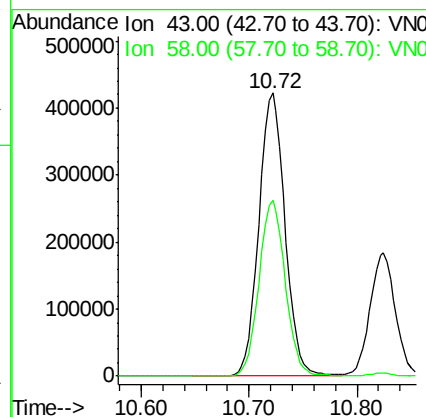
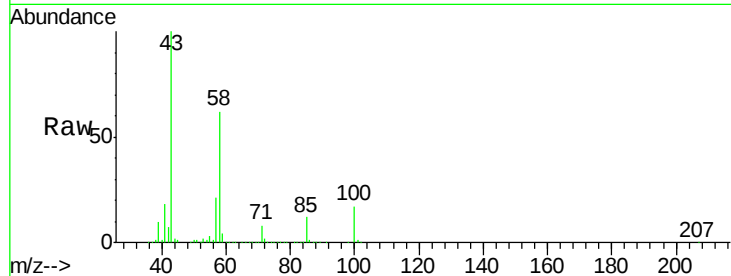




#59
2-Hexanone
Concen: 232.957 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

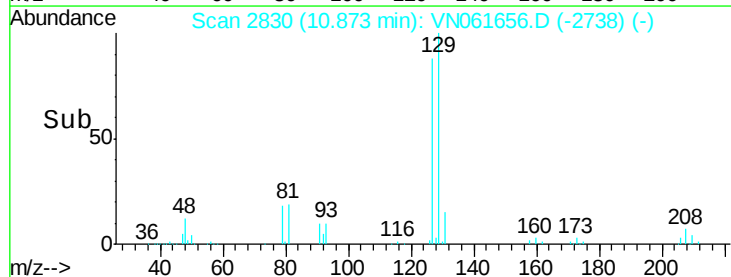
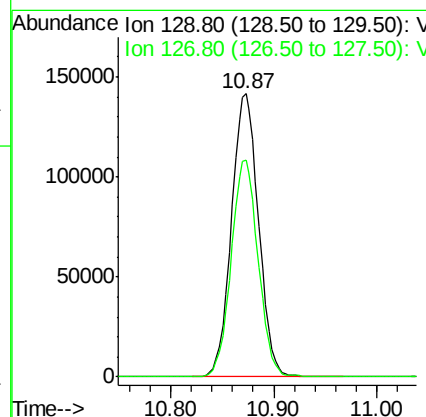
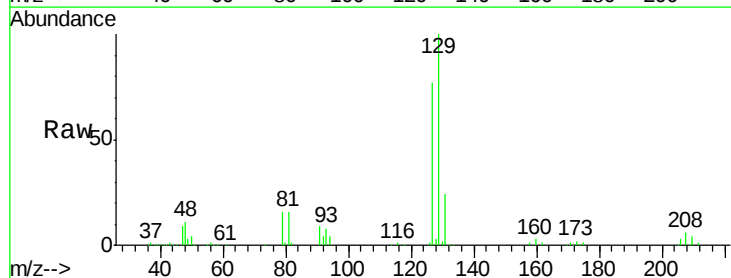
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

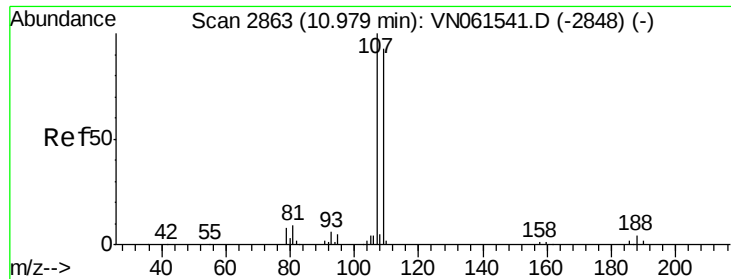
Tot Ion: 43 Resp: 708999
Ion Ratio Lower Upper
43 100
58 62.3 30.7 92.1



#60
Dibromochloromethane
Concen: 54.637 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

Tgt Ion: 129 Resp: 258631
Ion Ratio Lower Upper
129 100
127 76.4 38.8 116.3

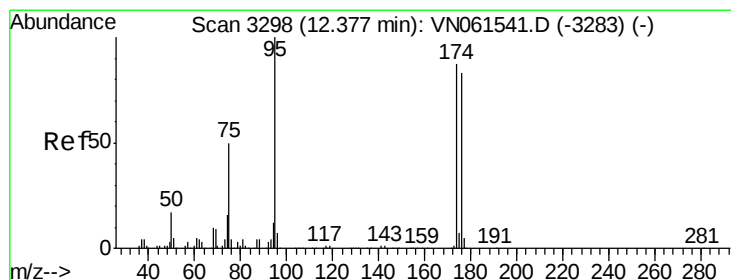
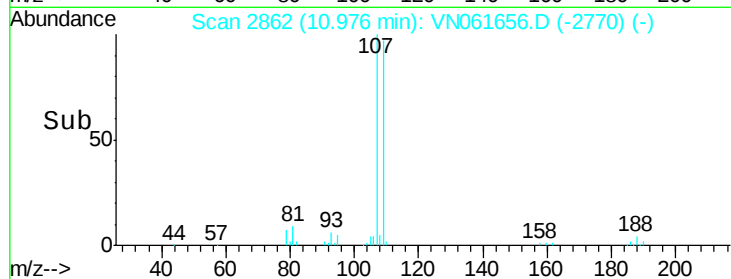
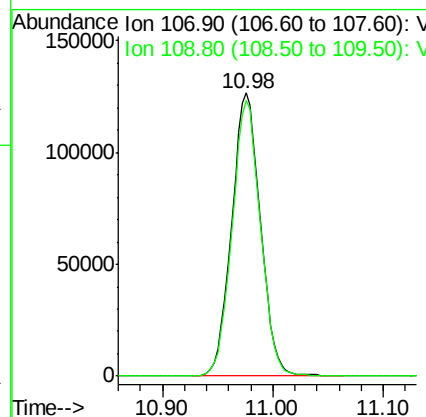
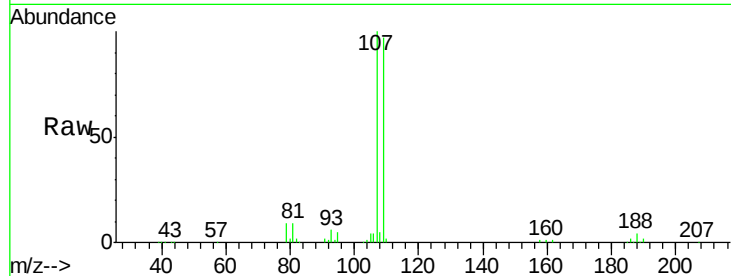




#61
 1,2-Dibromoethane
 Concen: 52.578 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061656.D
 Acq: 4 Jun 2020 16:53

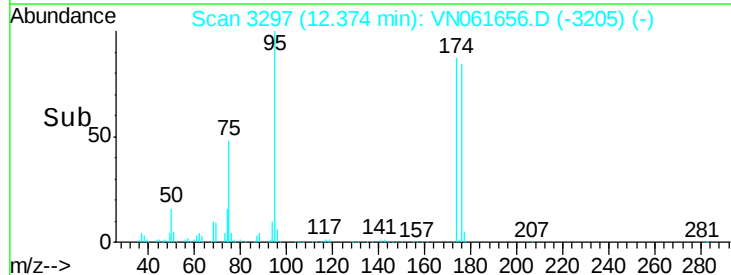
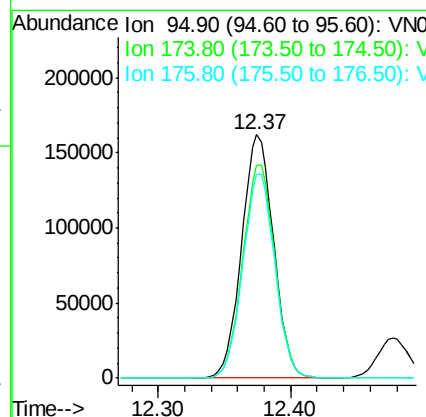
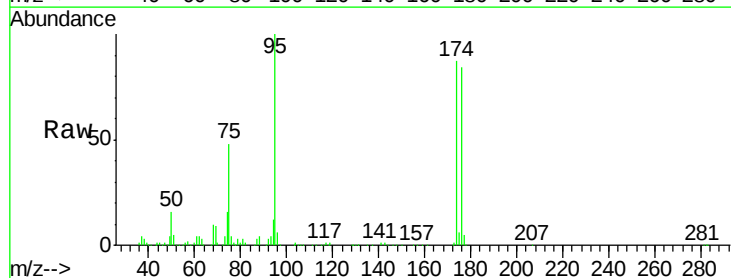
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

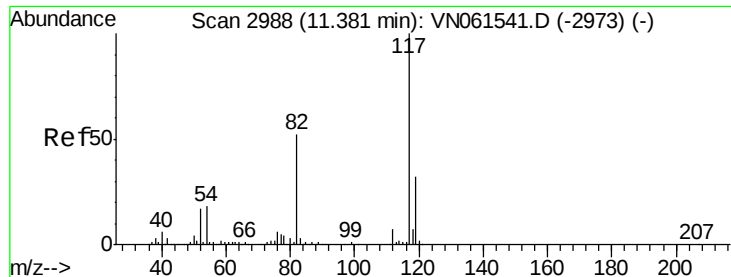
Tot Ion:107 Resp: 228327
 Ion Ratio Lower Upper
 107 100
 109 96.4 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 53.890 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061656.D
 Acq: 4 Jun 2020 16:53

Tgt Ion: 95 Resp: 270952
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 172.8
 176 84.0 0.0 164.8

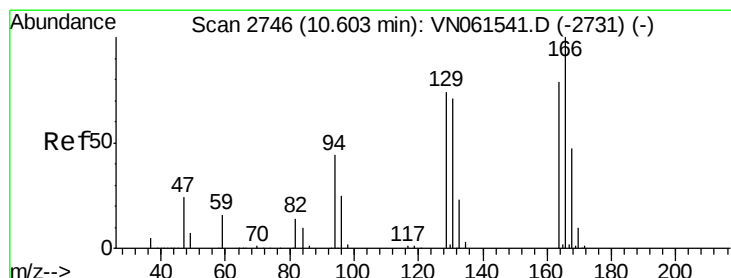
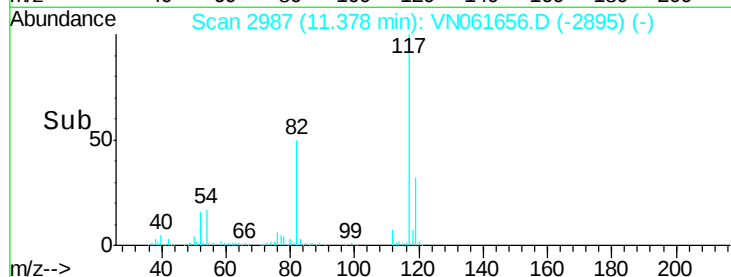
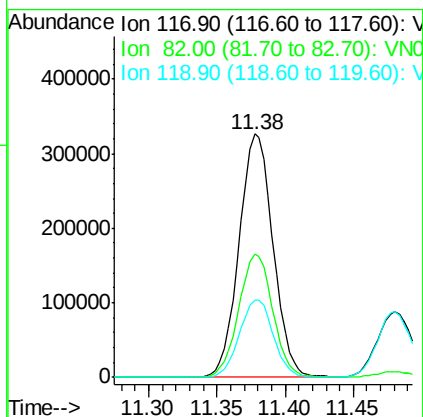
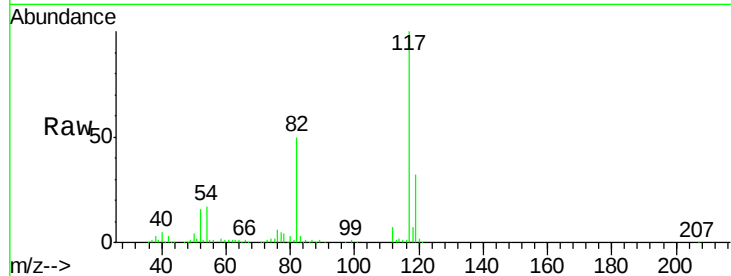




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

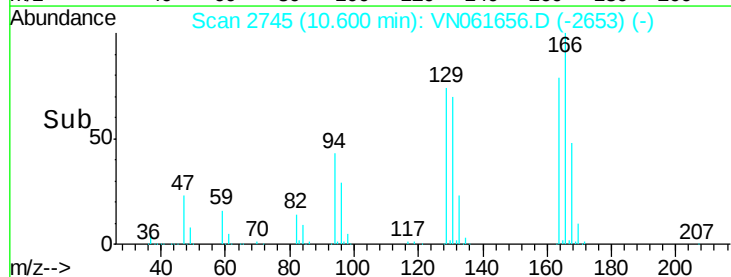
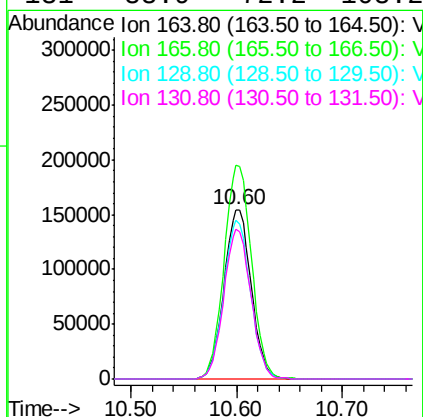
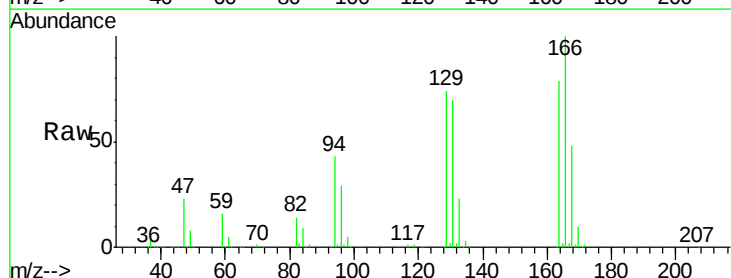
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

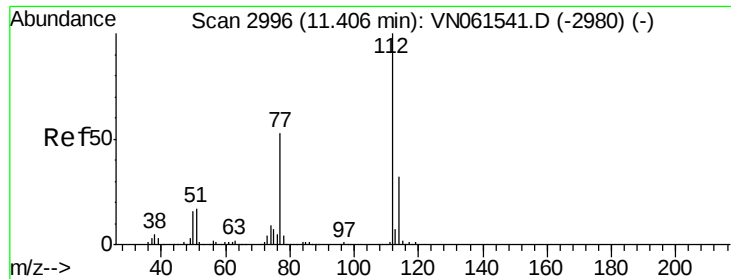
Tot Ion:117 Resp: 565128
Ion Ratio Lower Upper
117 100
82 50.5 41.5 62.3
119 31.9 25.6 38.4



#64
Tetrachloroethene
Concen: 51.647 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

Tgt Ion:164 Resp: 274742
Ion Ratio Lower Upper
164 100
166 126.3 101.5 152.3
129 94.1 74.9 112.3
131 88.9 72.2 108.2





#65

Chlorobenzene

Concen: 52.300 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

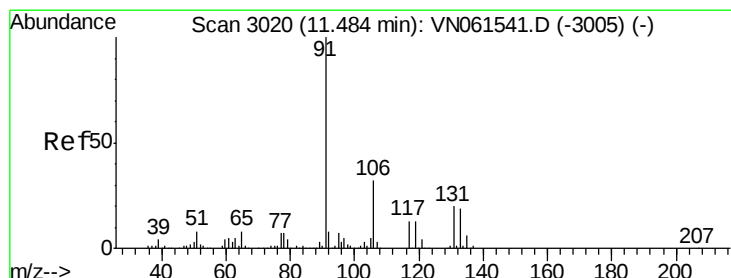
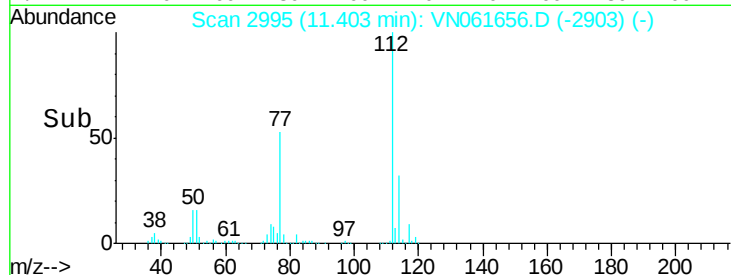
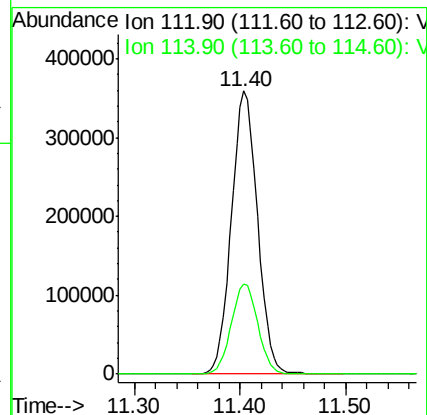
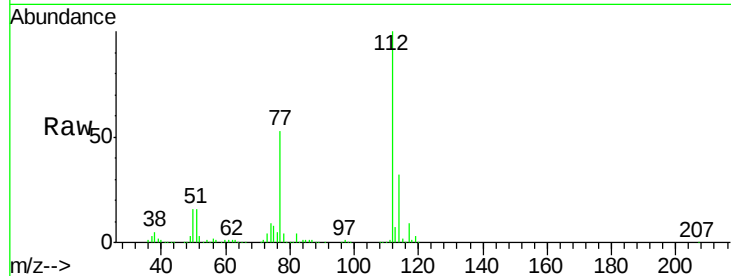
VSTDCCC050EC

Tot Ion:112 Resp: 614363

Ion Ratio Lower Upper

112 100

114 32.0 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 53.575 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

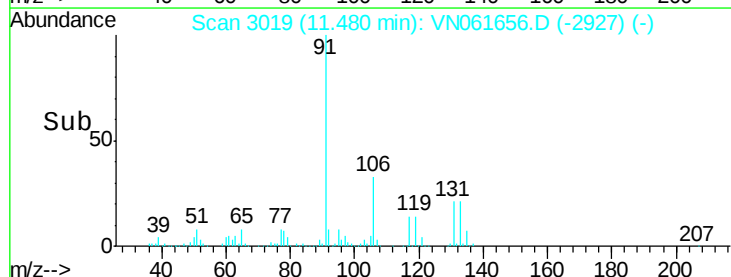
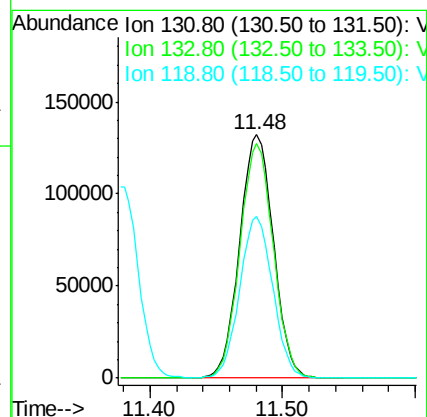
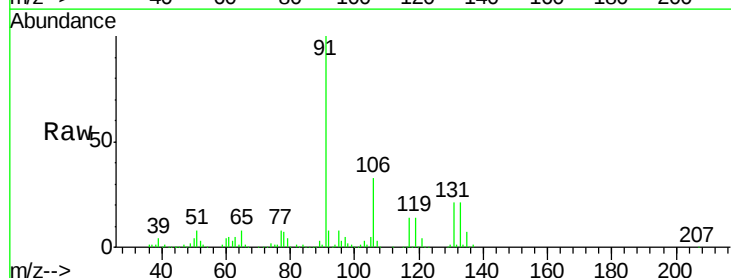
Tgt Ion:131 Resp: 234335

Ion Ratio Lower Upper

131 100

133 95.4 47.4 142.2

119 65.2 32.6 97.8

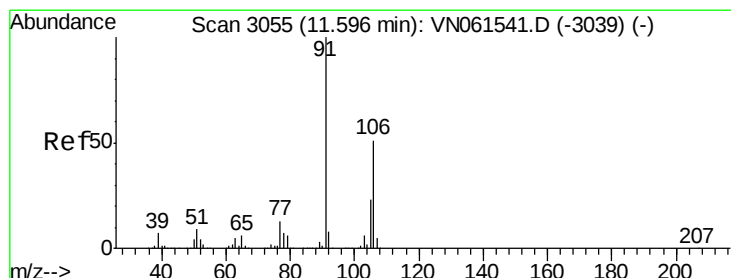
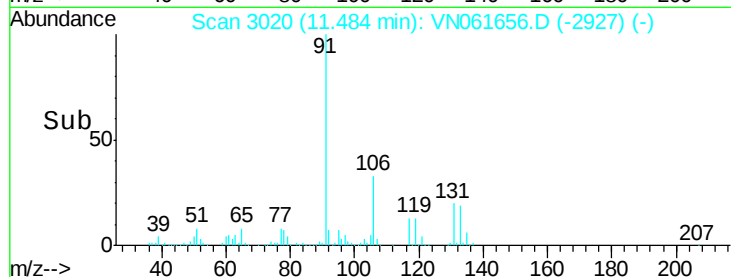
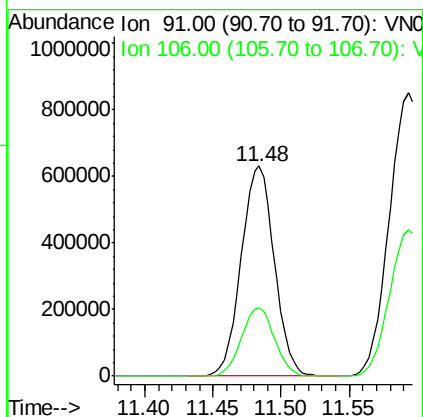
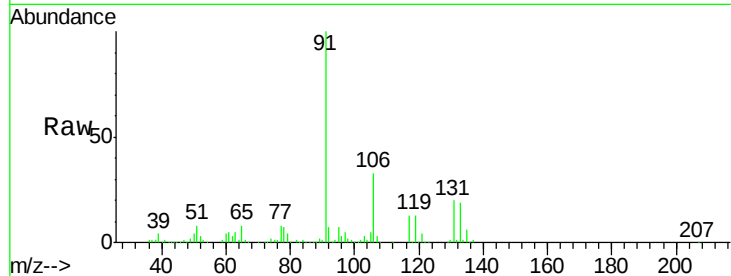




#67
Ethyl Benzene
Concen: 52.377 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

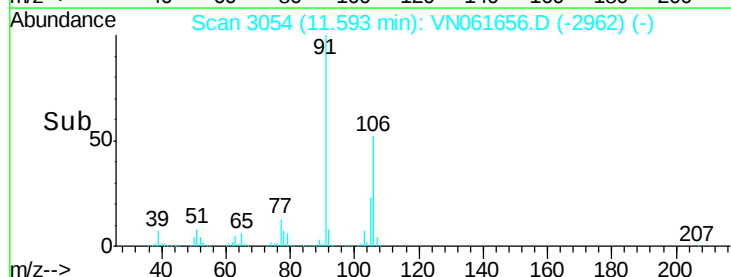
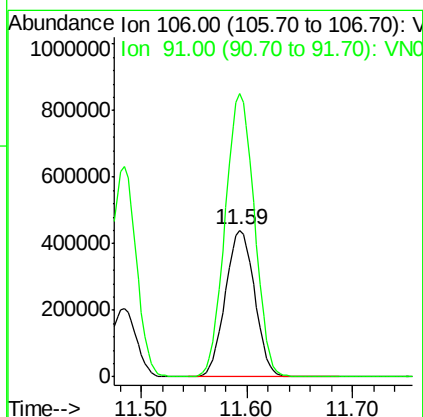
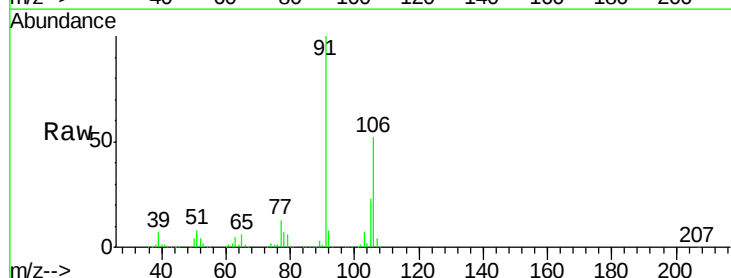
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

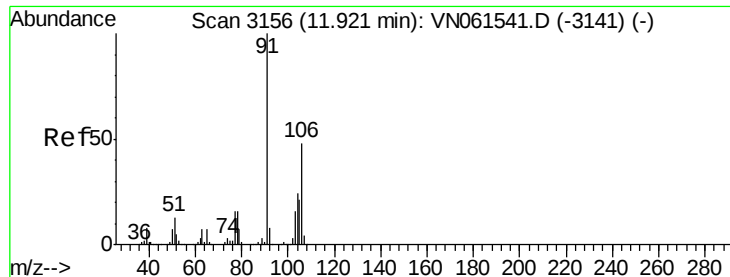
Tot Ion: 91 Resp: 1063435
Ion Ratio Lower Upper
91 100
106 32.6 25.6 38.4



#68
m/p-Xylenes
Concen: 105.239 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

Tgt Ion: 106 Resp: 847215
Ion Ratio Lower Upper
106 100
91 193.2 156.2 234.4

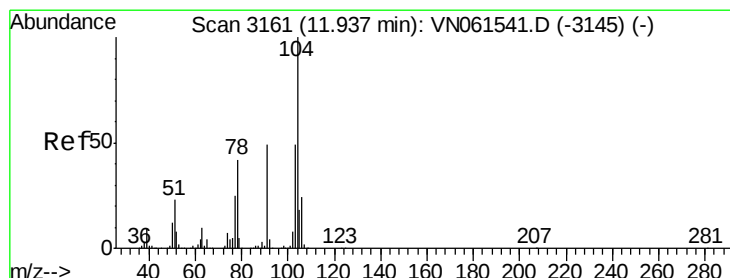
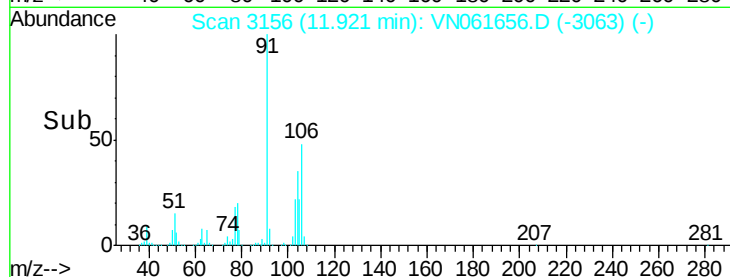
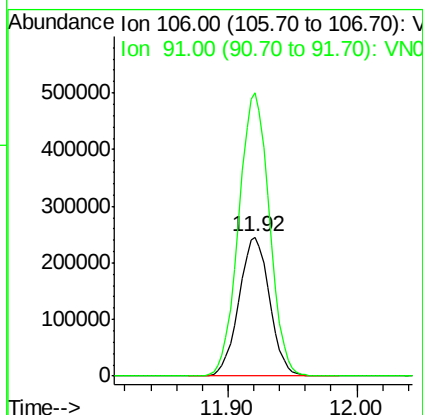
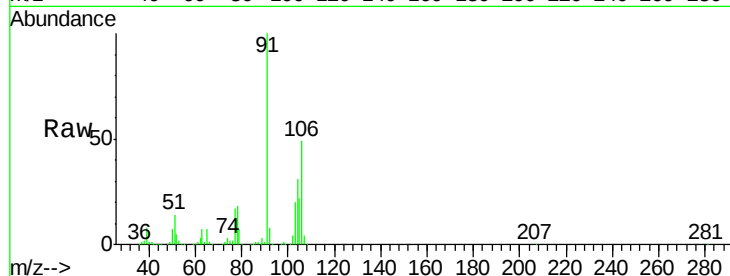




#69
o-Xylene
Concen: 53.113 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

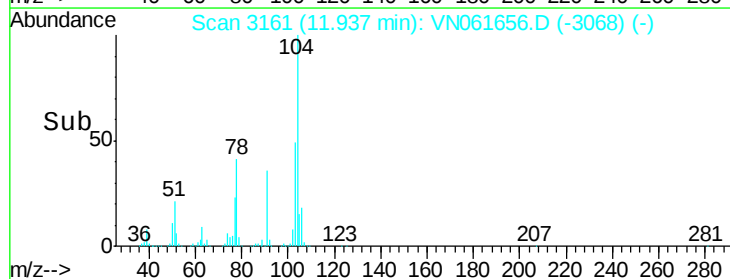
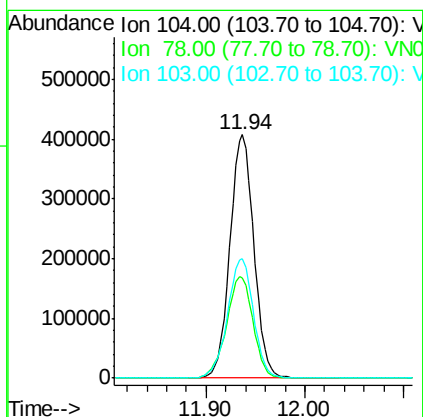
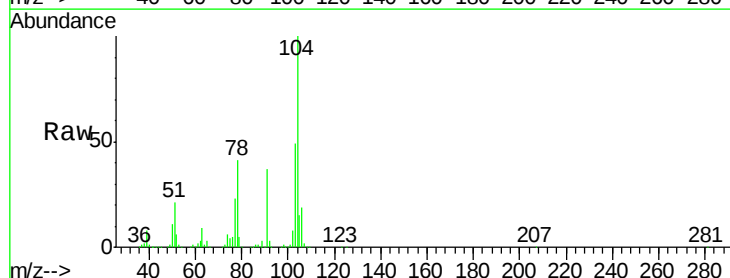
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

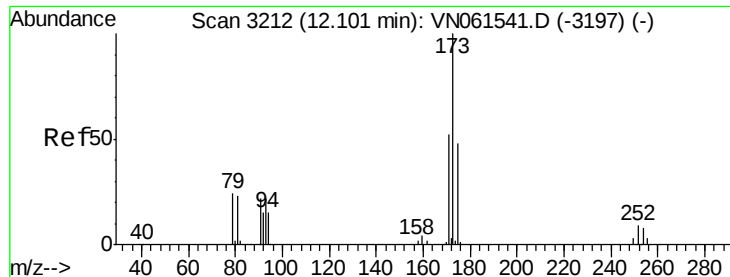
Tot Ion:106 Resp: 406113
Ion Ratio Lower Upper
106 100
91 204.4 103.3 309.8



#70
Styrene
Concen: 54.354 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

Tgt Ion:104 Resp: 688260
Ion Ratio Lower Upper
104 100
78 46.2 37.4 56.0
103 53.2 42.3 63.5





#71

Bromoform

Concen: 53.344 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

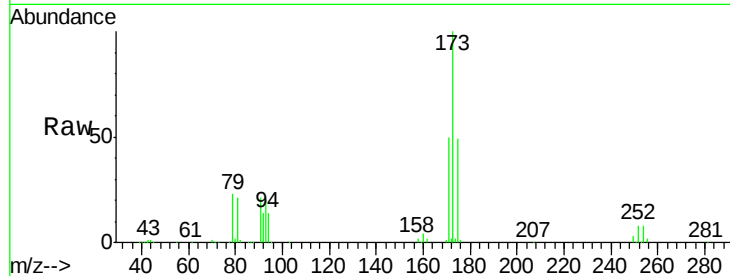
Tot Ion:173 Resp: 179793

Ion Ratio Lower Upper

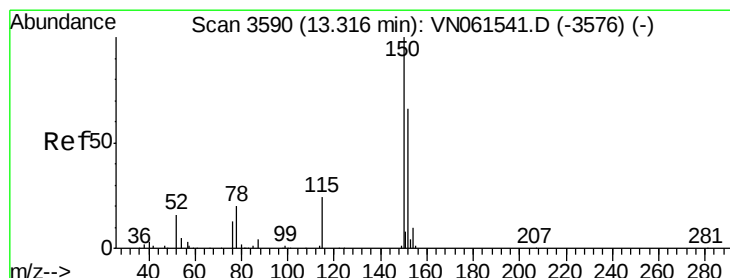
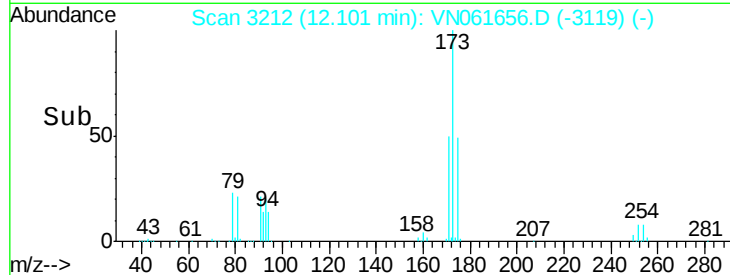
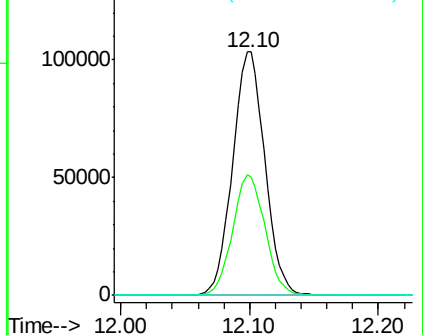
173 100

175 49.4 24.4 73.2

254 0.0 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

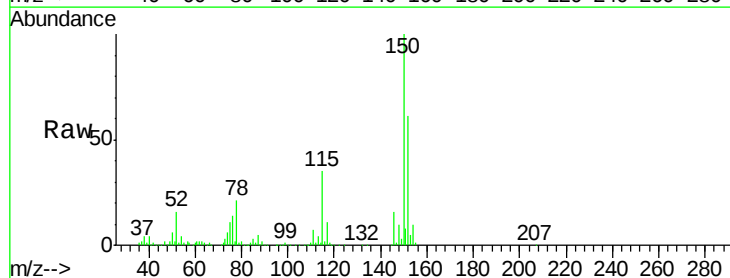
Tgt Ion:152 Resp: 293418

Ion Ratio Lower Upper

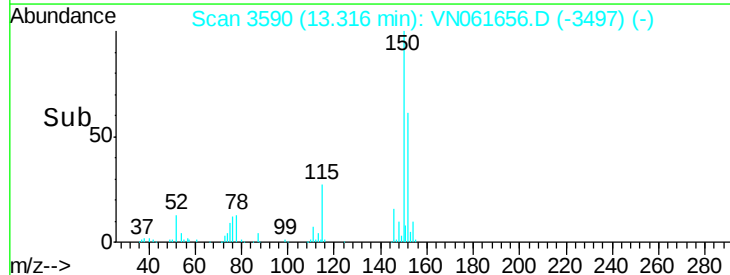
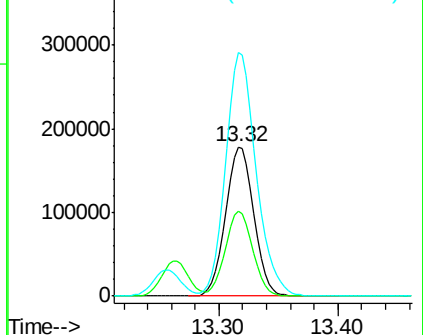
152 100

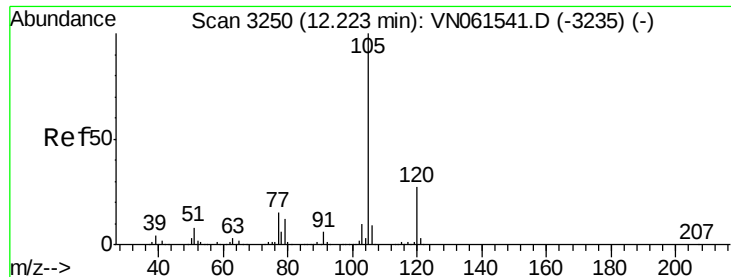
115 55.7 28.0 84.0

150 175.3 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: 49.752 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

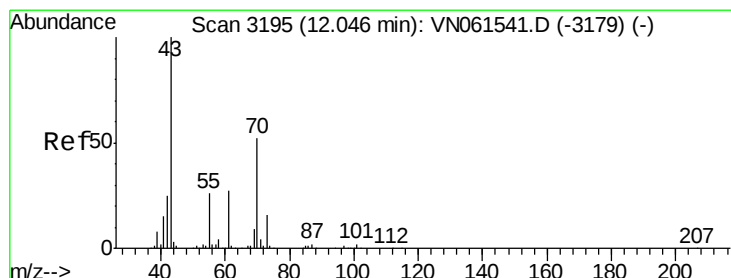
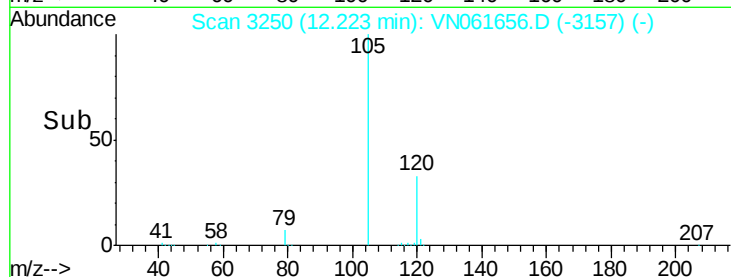
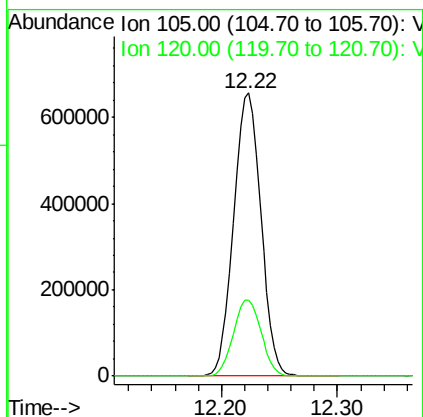
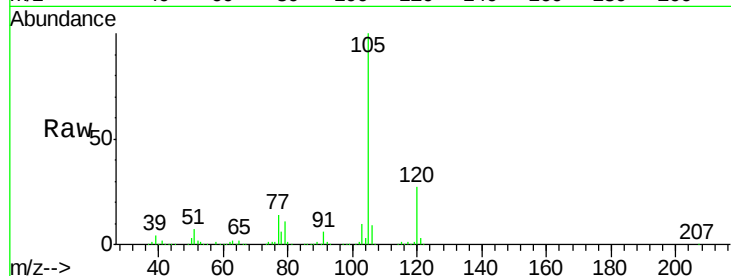
VSTDCCC050EC

Tot Ion:105 Resp: 1065462

Ion Ratio Lower Upper

105 100

120 27.5 13.8 41.3



#74

N-ethyl acetate

Concen: 45.631 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Tgt Ion: 43 Resp: 307750

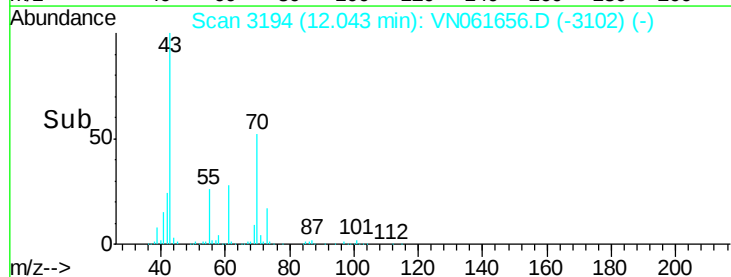
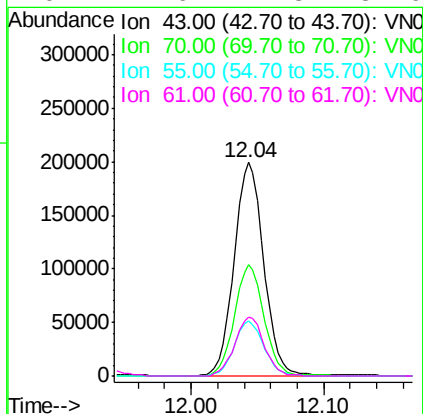
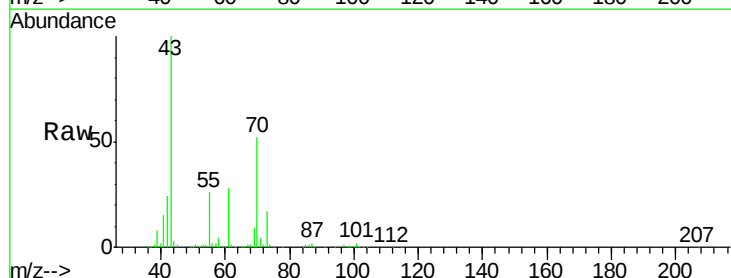
Ion Ratio Lower Upper

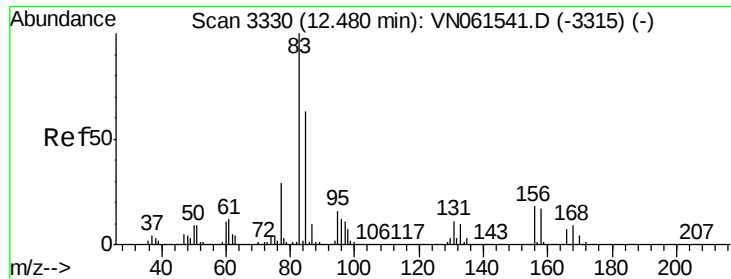
43 100

70 52.3 40.5 60.7

55 26.0 20.6 31.0

61 27.6 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.875 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

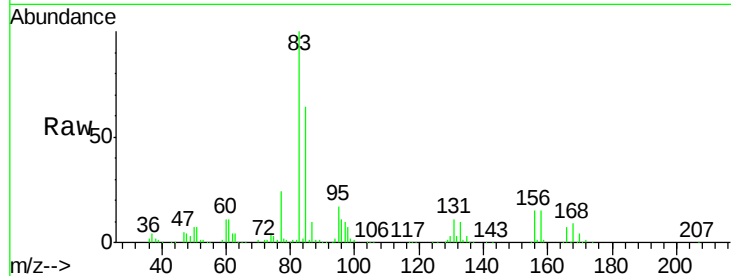
Tot Ion: 83 Resp: 269313

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.5

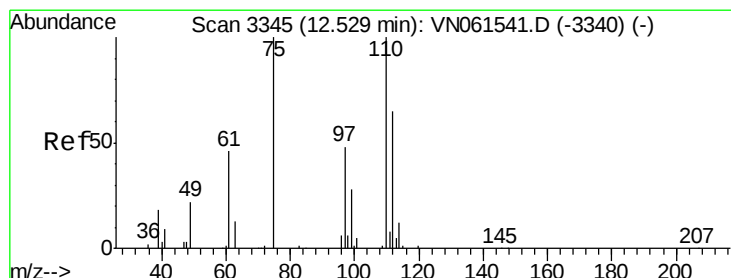
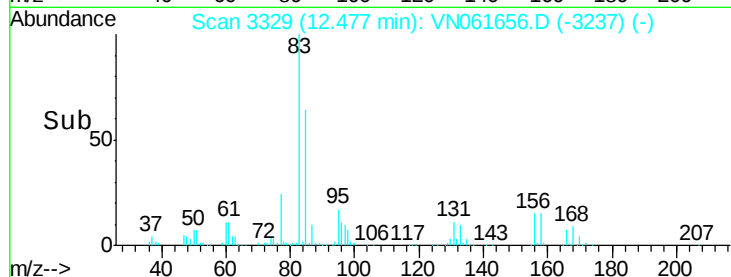
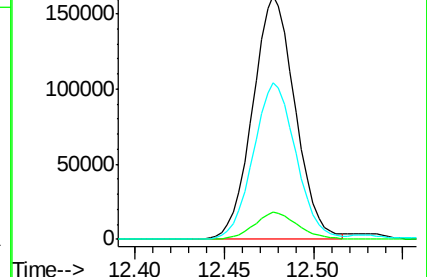
85 64.7 32.1 96.3



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: 46.454 ug/l m

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN061656.D

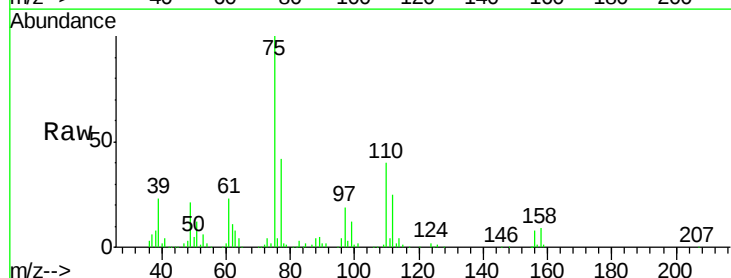
Acq: 4 Jun 2020 16:53

Tgt Ion: 75 Resp: 247855

Ion Ratio Lower Upper

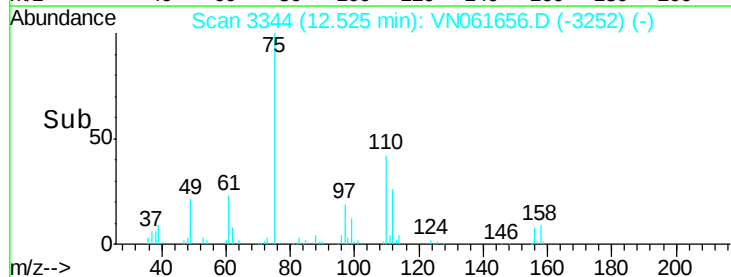
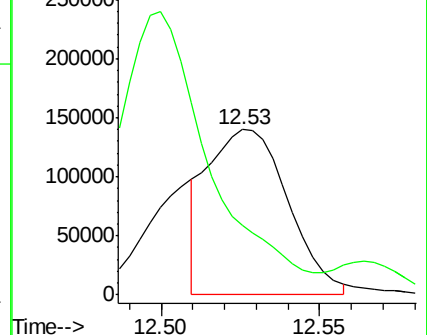
75 100

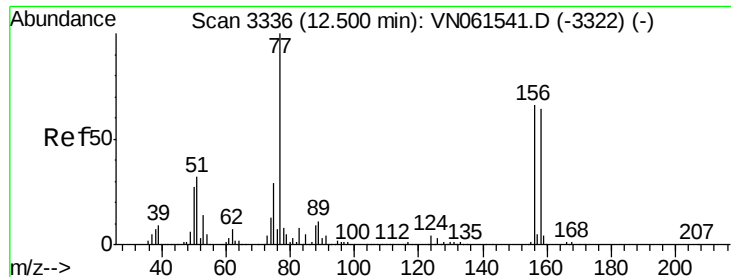
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 51.560 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

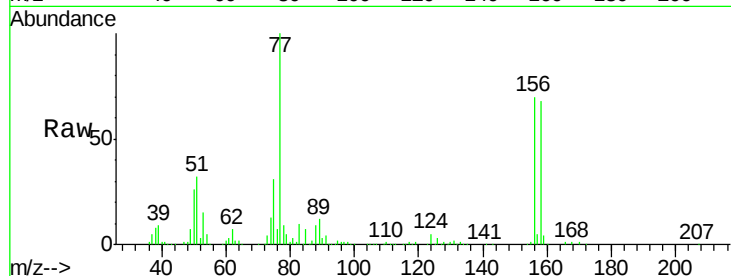
Tot Ion:156 Resp: 281851

Ion Ratio Lower Upper

156 100

77 172.5 90.9 272.7

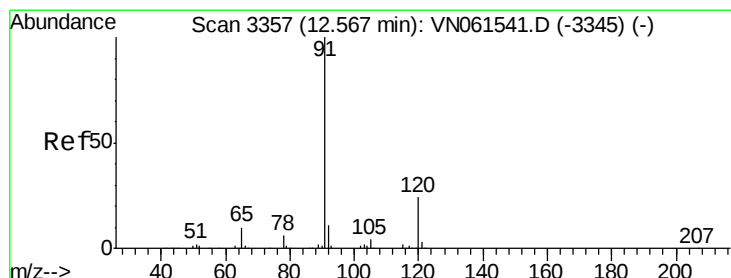
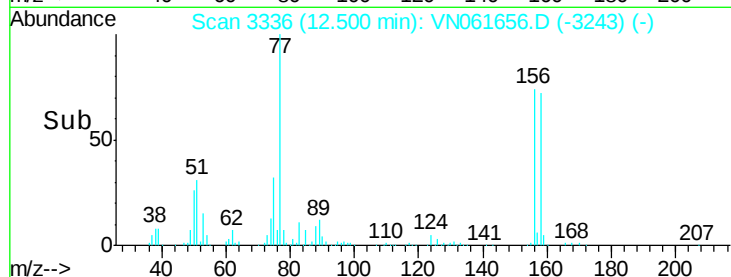
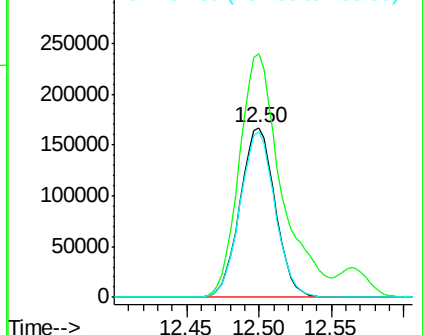
158 97.4 48.4 145.3



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: 49.515 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061656.D

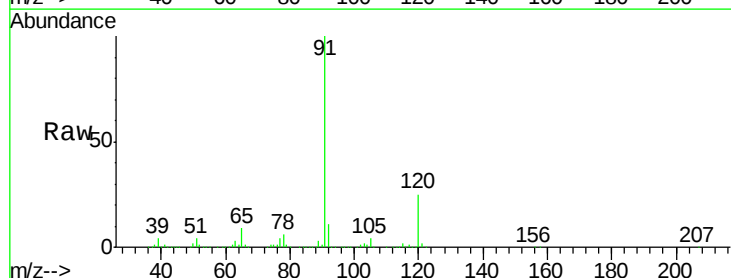
Acq: 4 Jun 2020 16:53

Tgt Ion: 91 Resp: 1183799

Ion Ratio Lower Upper

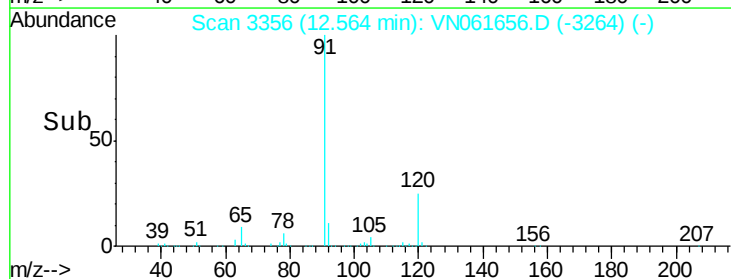
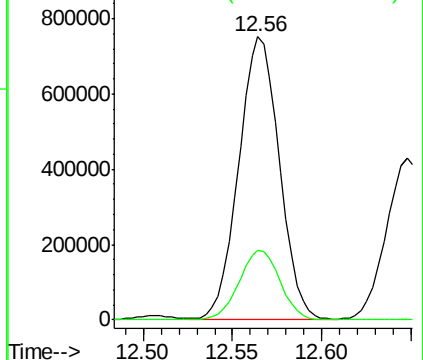
91 100

120 24.9 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: 49.091 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

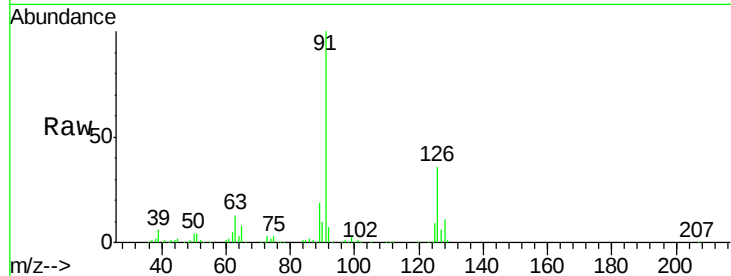
VSTDCCC050EC

Tot Ion: 91 Resp: 699833

Ion Ratio Lower Upper

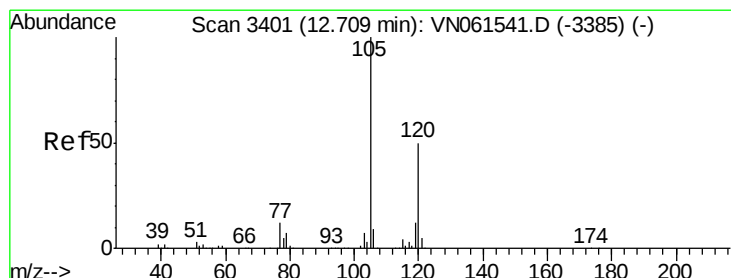
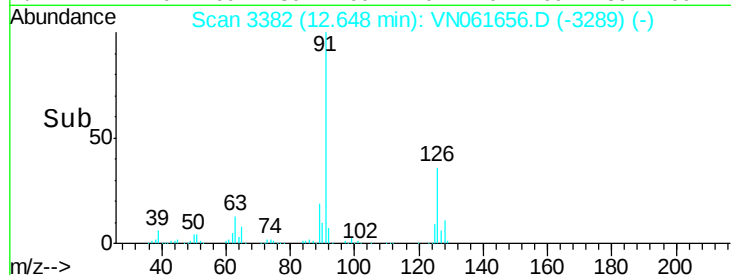
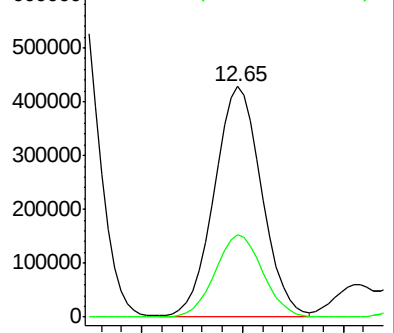
91 100

126 36.2 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN061656.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN061656.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.380 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061656.D

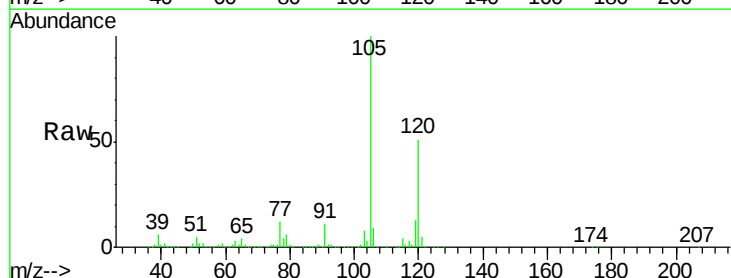
Acq: 4 Jun 2020 16:53

Tgt Ion: 105 Resp: 883881

Ion Ratio Lower Upper

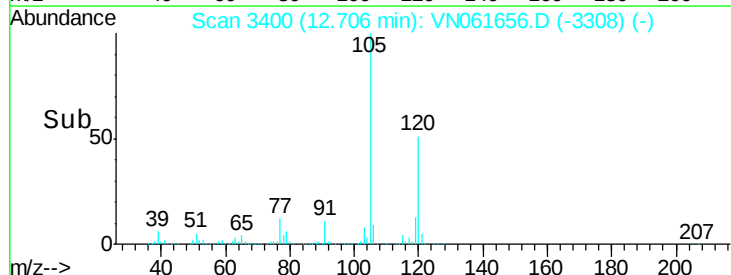
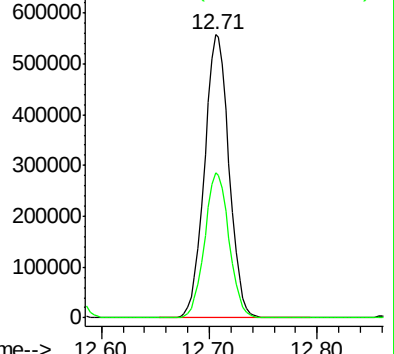
105 100

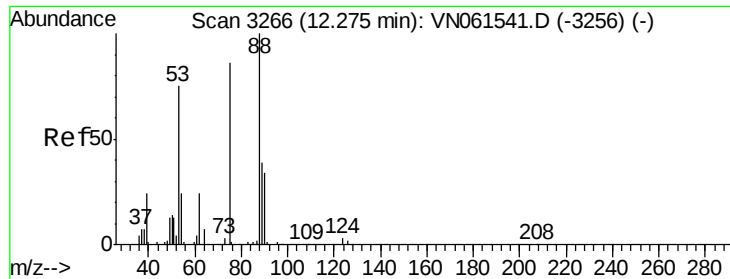
120 50.9 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061656.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN061656.D (-3401) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.821 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

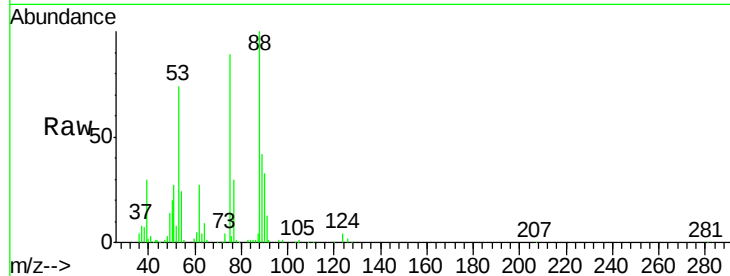
Tot Ion: 75 Resp: 95601

Ion Ratio Lower Upper

75 100

53 85.4 67.8 101.8

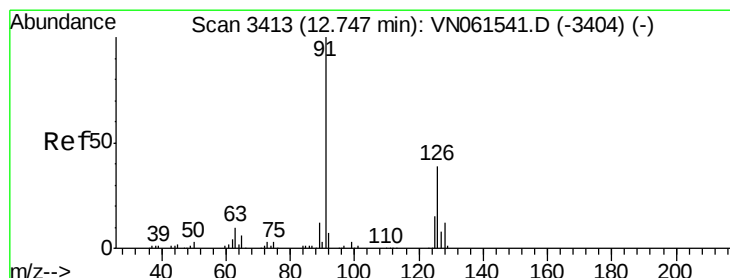
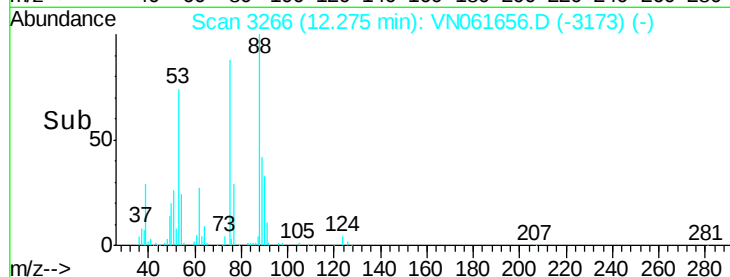
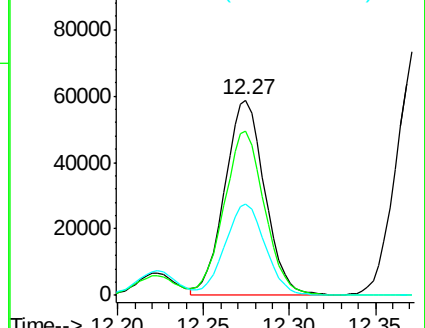
89 47.0 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.483 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061656.D

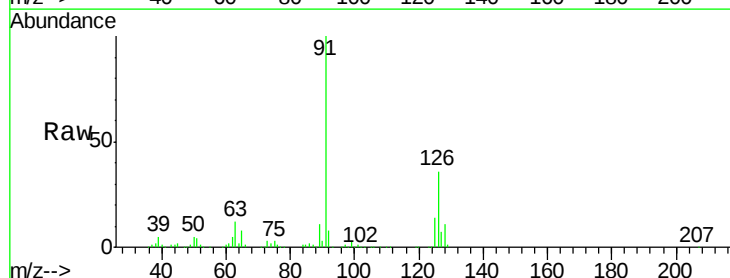
Acq: 4 Jun 2020 16:53

Tgt Ion: 91 Resp: 742121

Ion Ratio Lower Upper

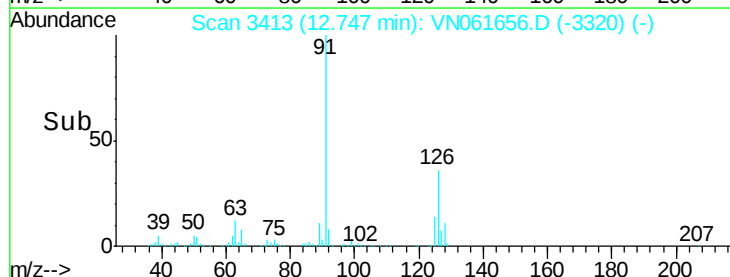
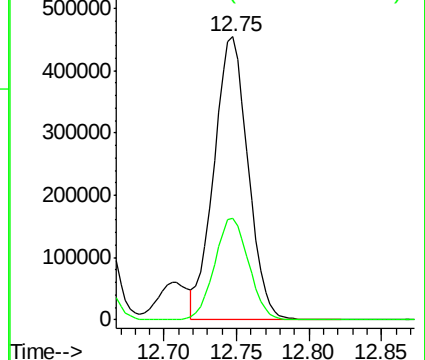
91 100

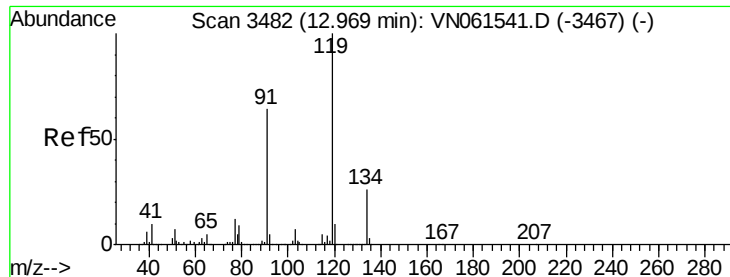
126 35.9 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 47.572 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

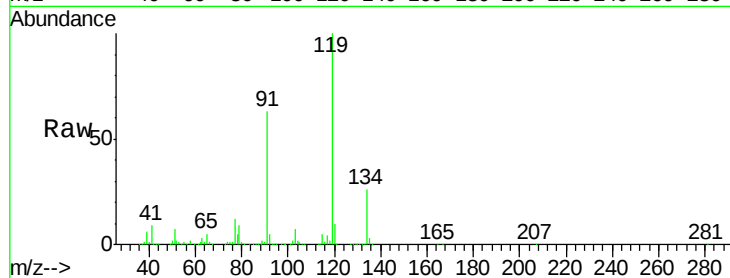
Tot Ion:119 Resp: 752347

Ion Ratio Lower Upper

119 100

91 60.6 31.3 93.8

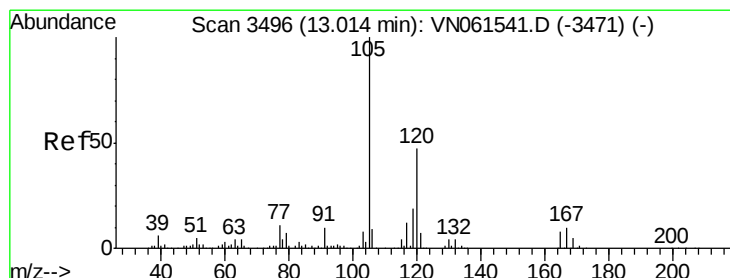
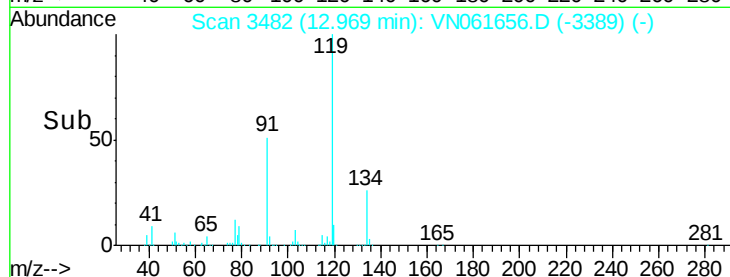
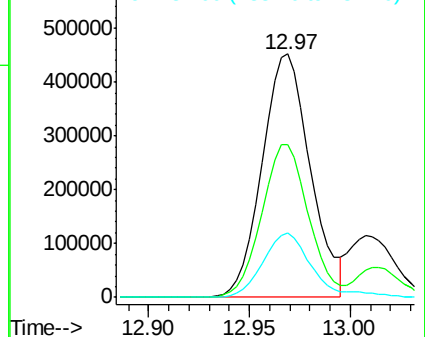
134 27.0 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.492 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. 0.00 min

Lab File: VN061656.D

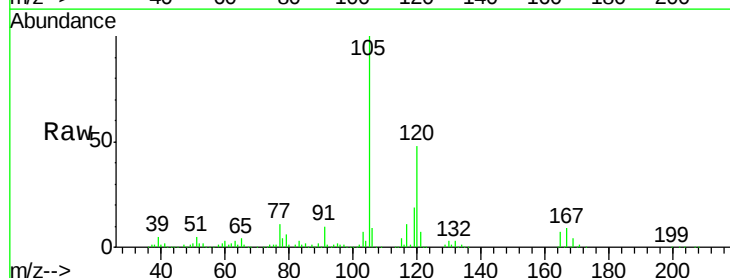
Acq: 4 Jun 2020 16:53

Tgt Ion:105 Resp: 897855

Ion Ratio Lower Upper

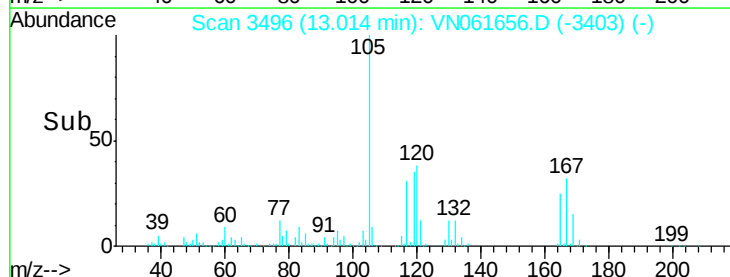
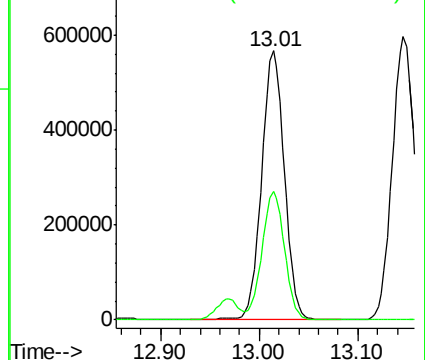
105 100

120 47.3 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 46.448 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

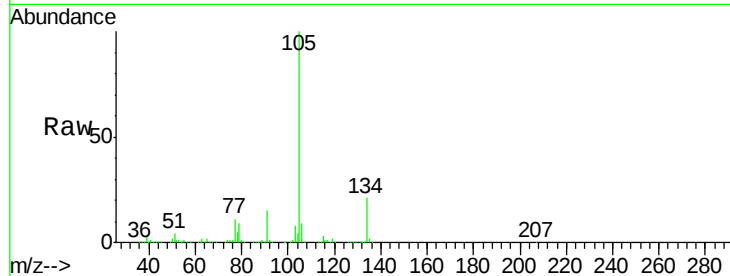
VSTDCCC050EC

Tot Ion:105 Resp: 946569

Ion Ratio Lower Upper

105 100

134 21.5 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

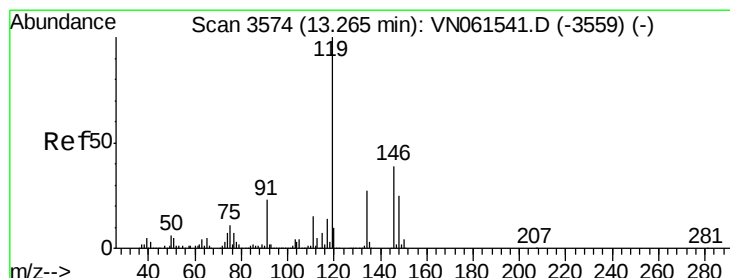
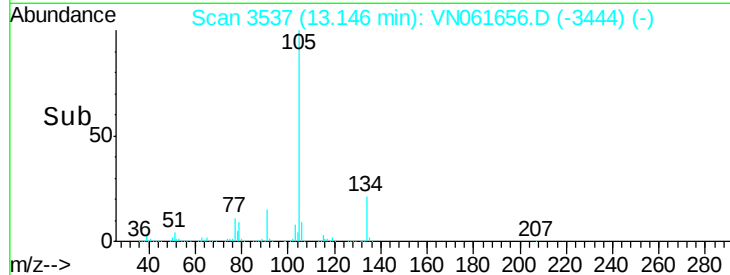
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.631 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

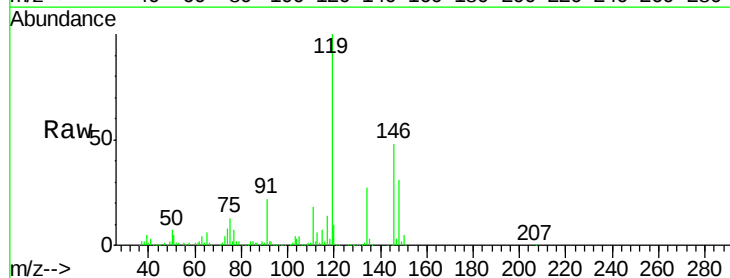
Tgt Ion:119 Resp: 893909

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

91 22.3 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

13.26

800000

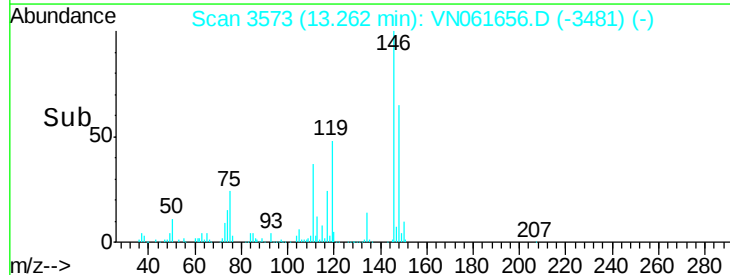
600000

400000

200000

0

Time-->

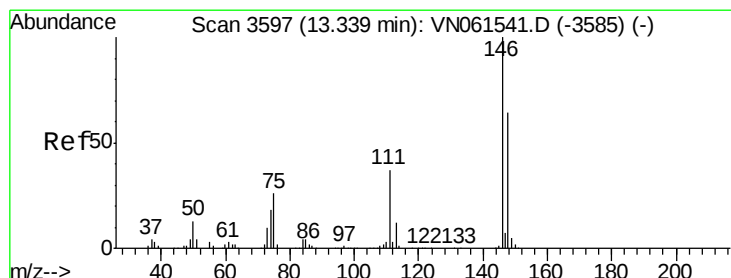
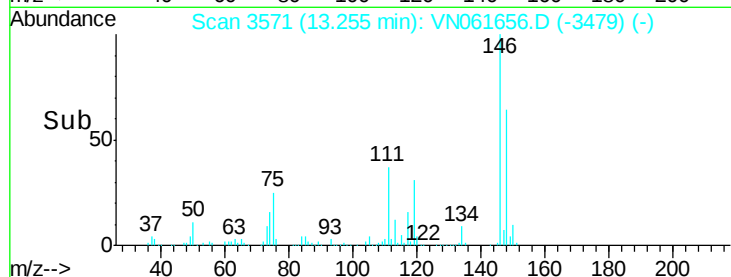
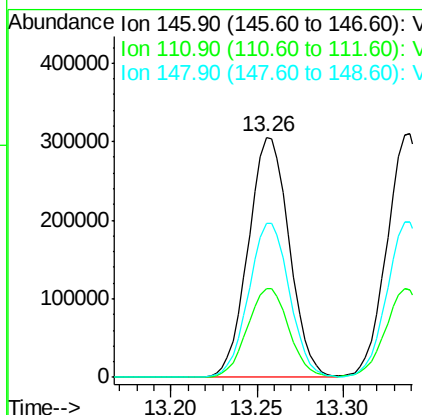
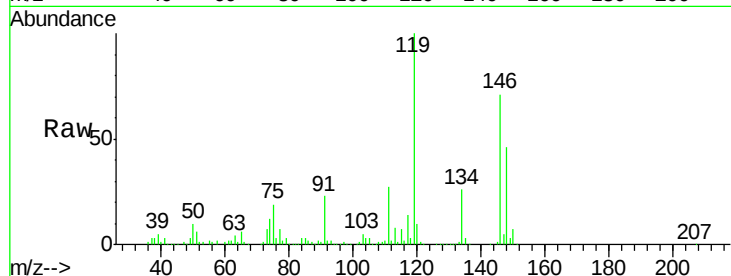




#87
 1,3-Dichlorobenzene
 Concen: 52.257 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061656.D
 Acq: 4 Jun 2020 16:53

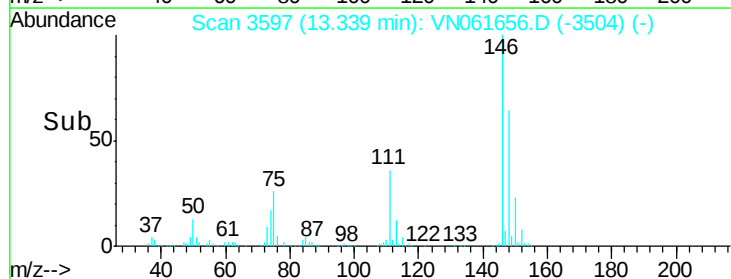
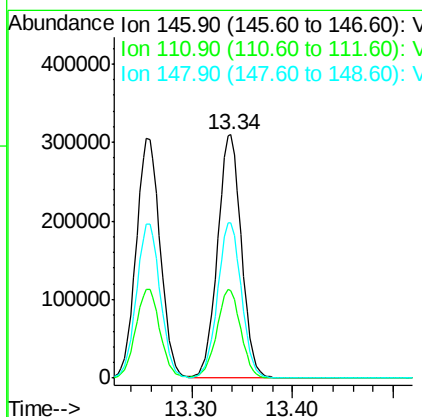
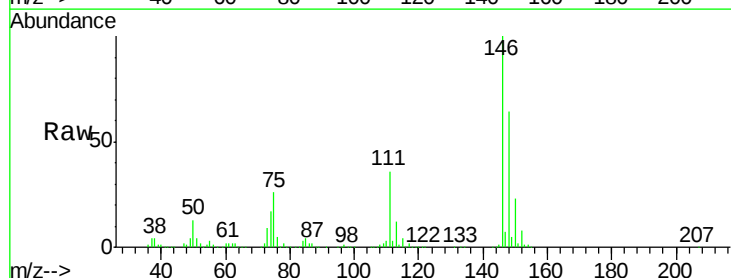
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

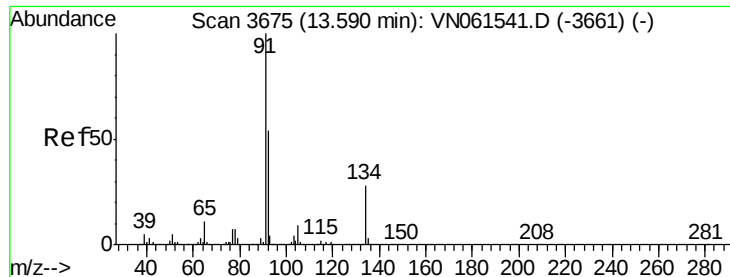
Tot Ion:146 Resp: 505859
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.2 57.6
 148 64.0 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 51.927 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061656.D
 Acq: 4 Jun 2020 16:53

Tgt Ion:146 Resp: 512076
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.9 56.9
 148 63.6 31.8 95.3

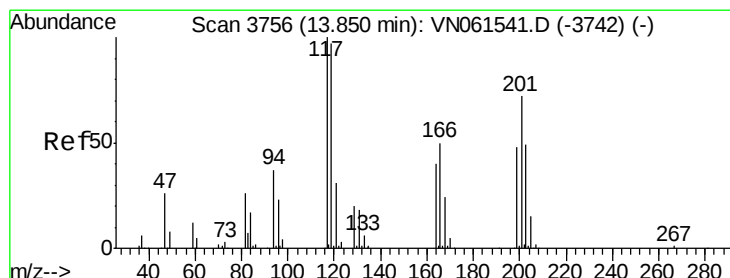
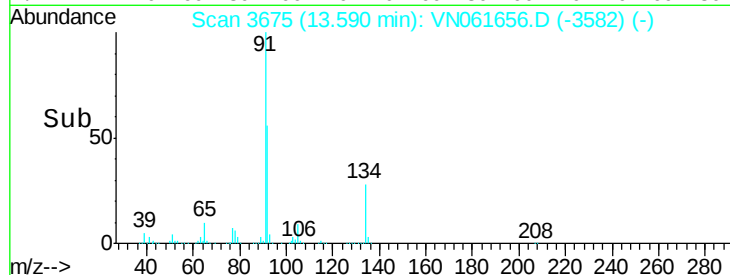
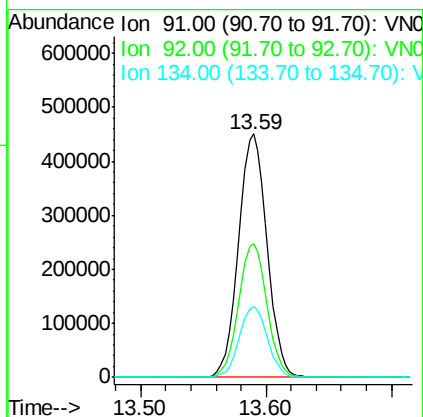
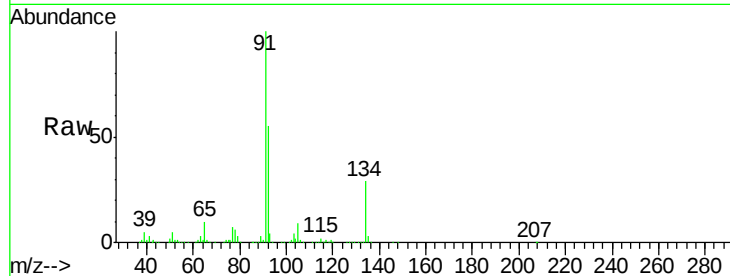




#89
n-Butylbenzene
Concen: 45.235 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

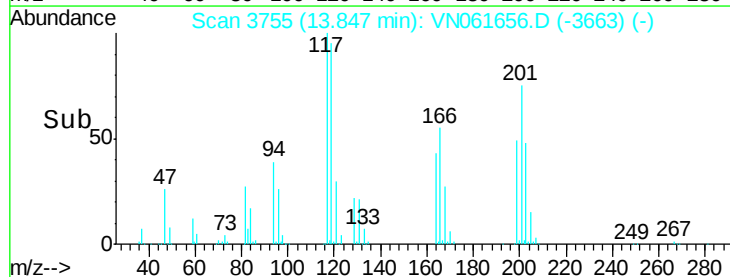
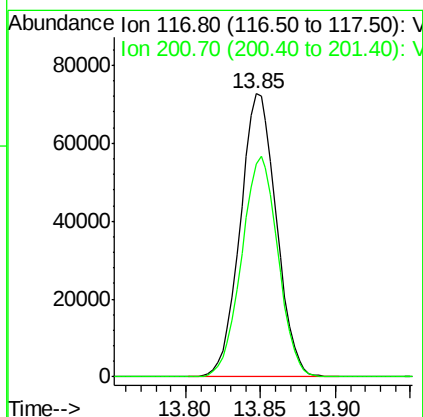
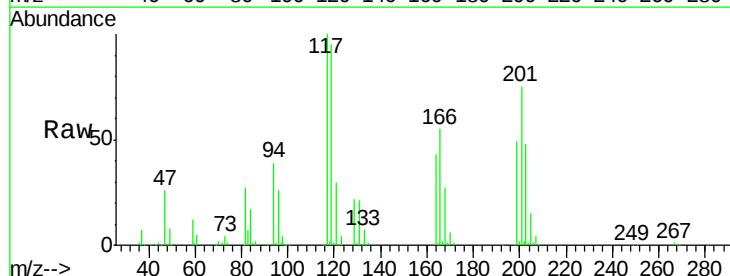
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 711072
Ion Ratio Lower Upper
91 100
92 54.7 27.2 81.6
134 28.7 14.0 42.0



#90
Hexachloroethane
Concen: 58.997 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061656.D
Acq: 4 Jun 2020 16:53

Tgt Ion: 117 Resp: 122449
Ion Ratio Lower Upper
117 100
201 78.1 36.7 110.1





#91

1,2-Dichlorobenzene

Concen: 51.861 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

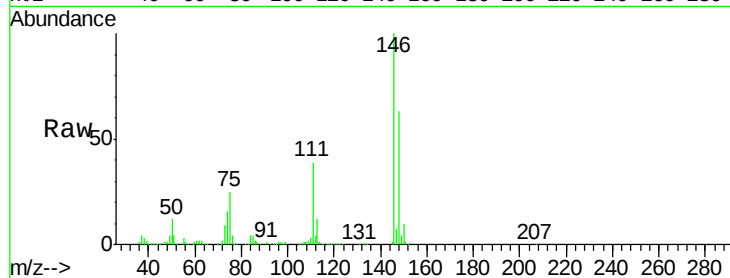
Tot Ion:146 Resp: 479762

Ion Ratio Lower Upper

146 100

111 39.4 20.1 60.2

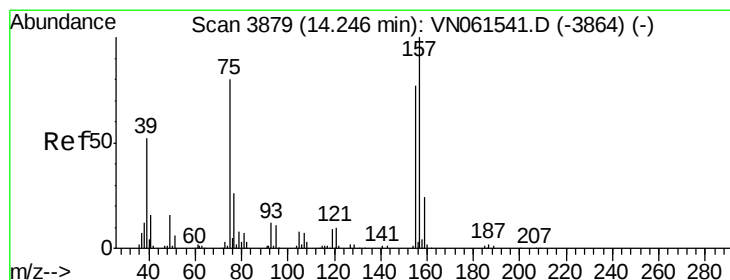
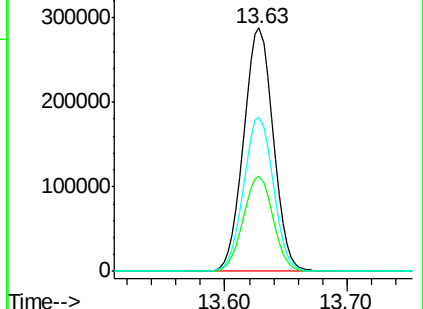
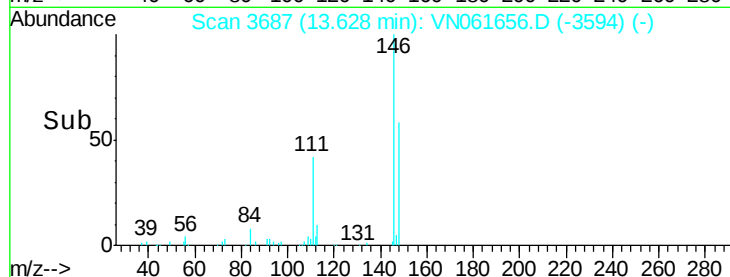
148 63.5 31.9 95.5



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: 42.603 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

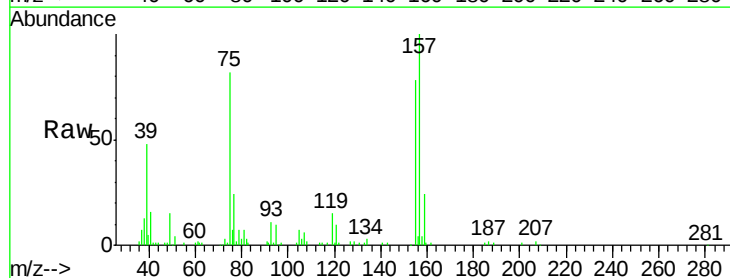
Tgt Ion: 75 Resp: 52143

Ion Ratio Lower Upper

75 100

155 96.2 47.1 141.4

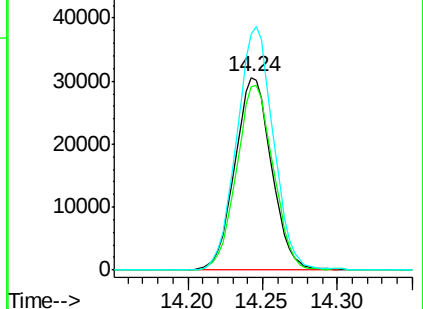
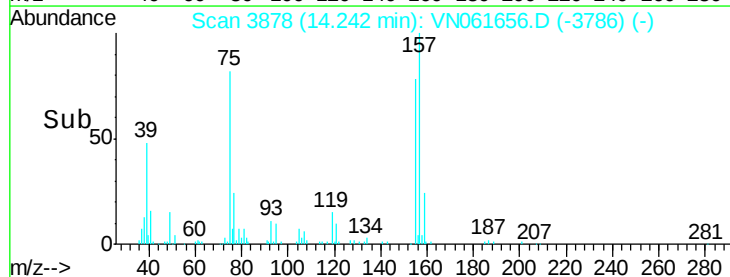
157 125.9 60.3 180.8



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

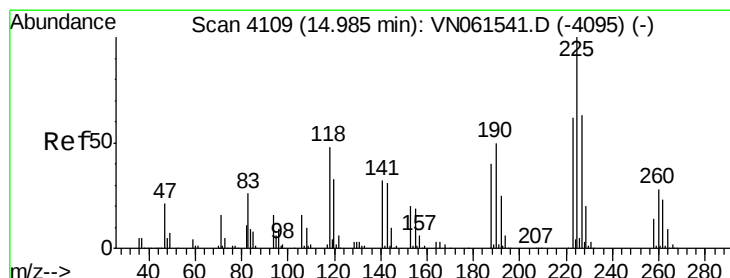
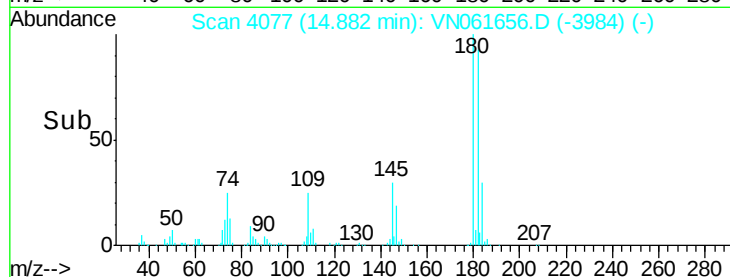
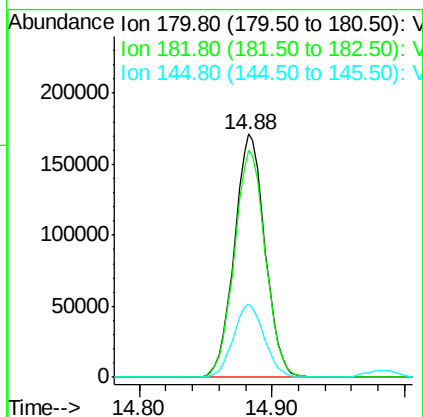
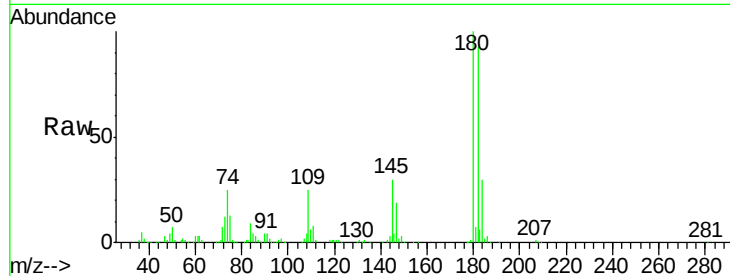




#93
 1,2,4-Trichlorobenzene
 Concen: 50.657 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061656.D
 Acq: 4 Jun 2020 16:53

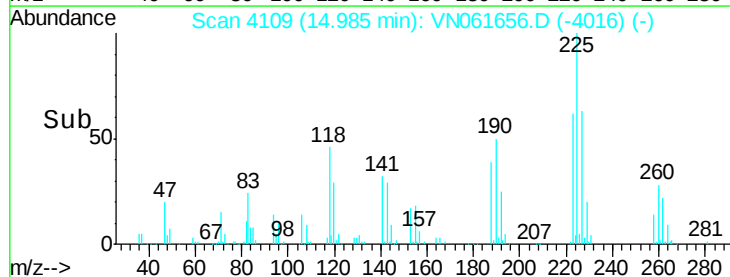
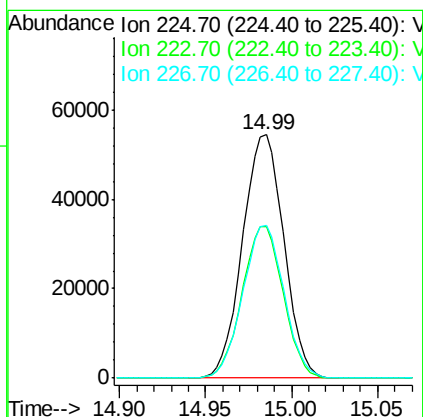
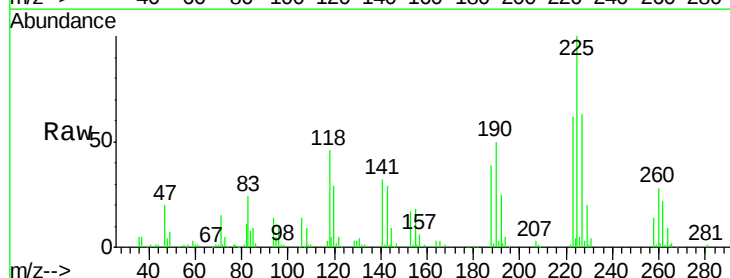
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 274069
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.8 143.3
 145 30.5 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 39.381 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061656.D
 Acq: 4 Jun 2020 16:53

Tgt Ion:225 Resp: 90869
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.9 95.5
 227 62.3 31.9 95.9





#95

Naphthalene

Concen: 48.550 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

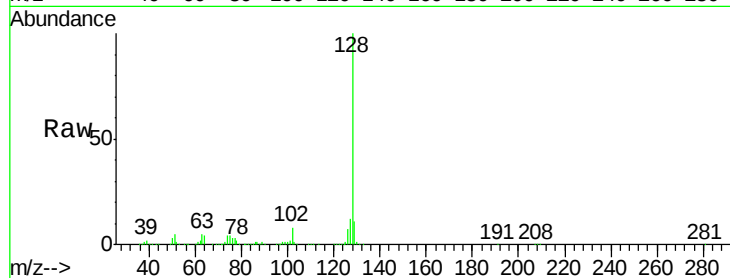
Tot Ion:128 Resp: 799497

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

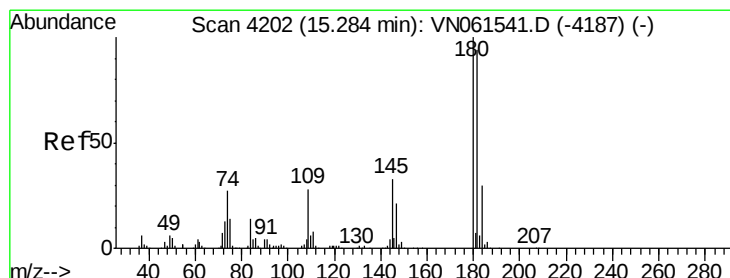
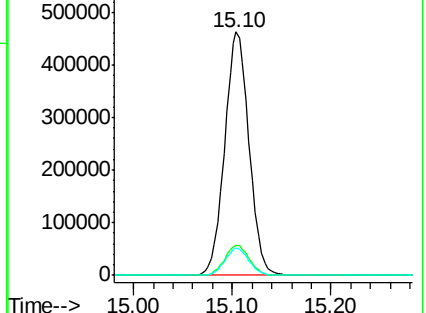
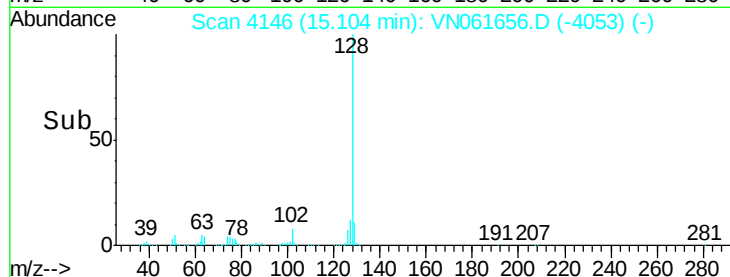
129 11.1 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.495 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061656.D

Acq: 4 Jun 2020 16:53

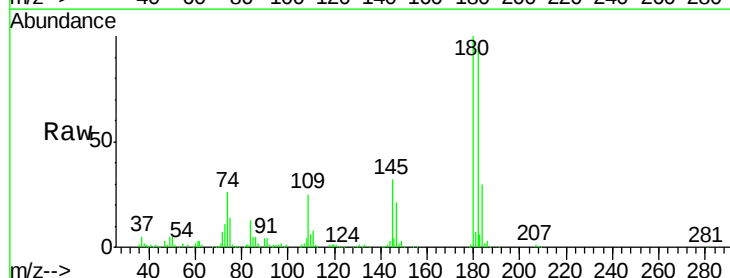
Tgt Ion:180 Resp: 257965

Ion Ratio Lower Upper

180 100

182 96.1 47.1 141.3

145 32.8 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

