

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060520\
 Data File : VN061684.D
 Acq On : 5 Jun 2020 20:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 06 03:25:51 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	7.63	168	337540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	552246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	531477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	278799	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	183323	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
35) Dibromofluoromethane	7.55	113	145344	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	10.06	98	643782	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.38	95	236752	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	162943	42.00	ug/l	99
3) Chloromethane	2.03	50	169282	41.12	ug/l	100
4) Vinyl Chloride	2.16	62	237942	42.18	ug/l	100
5) Bromomethane	2.52	94	144832	44.74	ug/l	99
6) Chloroethane	2.67	64	154873	42.65	ug/l	100
7) Trichlorofluoromethane	2.98	101	323891	44.52	ug/l	98
8) Diethyl Ether	3.37	74	93235	41.91	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	146981	45.53	ug/l	99
10) Methyl Iodide	3.91	142	191509	42.73	ug/l	98
11) Tert butyl alcohol	4.74	59	119446	223.30	ug/l	99
12) 1,1-Dichloroethene	3.69	96	145818	42.28	ug/l	95
13) Acrolein	3.57	56	35148	223.59	ug/l	97
14) Allyl chloride	4.27	41	180209	39.97	ug/l	98
15) Acrylonitrile	4.93	53	317433	212.61	ug/l	99
16) Acetone	3.77	43	232496	208.75	ug/l	98
17) Carbon Disulfide	4.01	76	291804	38.45	ug/l	97
18) Methyl Acetate	4.28	43	152475	41.88	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	494546	42.07	ug/l	98
20) Methylene Chloride	4.50	84	166609	45.42	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	164191	42.21	ug/l	95
22) Diisopropyl ether	5.90	45	421546	42.42	ug/l	99
23) Vinyl Acetate	5.84	43	1559537	196.88	ug/l	97
24) 1,1-Dichloroethane	5.80	63	268811	42.65	ug/l	99
25) 2-Butanone	6.79	43	378496	198.59	ug/l	98
26) 2,2-Dichloropropane	6.77	77	227785	39.49	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	196140	44.53	ug/l	98
28) Bromochloromethane	7.15	49	110695	46.70	ug/l	96
29) Tetrahydrofuran	7.17	42	253664	201.83	ug/l	97
30) Chloroform	7.33	83	308922	44.31	ug/l	99
31) Cyclohexane	7.61	56	228741	40.36	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	279285	43.96	ug/l	100
36) 1,1-Dichloropropene	7.75	75	218177	44.63	ug/l	98
37) Ethyl Acetate	6.88	43	166044	42.17	ug/l	99
38) Carbon Tetrachloride	7.73	117	230943	48.97	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	253820	42.12	ug/l	97
40) Benzene	8.00	78	687977	45.61	ug/l	100
41) Methacrylonitrile	7.13	41	74337	41.21	ug/l	93
42) 1,2-Dichloroethane	8.09	62	221159	43.79	ug/l	99
43) Isopropyl Acetate	8.13	43	289366	40.85	ug/l #	91
44) Trichloroethene	8.80	130	210473	45.40	ug/l	95
45) 1,2-Dichloropropane	9.09	63	163585	45.67	ug/l	98
46) Dibromomethane	9.18	93	123826	45.08	ug/l	96
47) Bromodichloromethane	9.37	83	252071	46.31	ug/l	99
48) Methyl methacrylate	9.17	41	127265	39.93	ug/l	97
49) 1,4-Dioxane	9.17	88	56676	1147.83	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	843527	211.30	ug/l	97
52) Toluene	10.12	92	461910	46.92	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	261485	44.60	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	282573	44.82	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	182333	46.48	ug/l	98
56) Ethyl methacrylate	10.40	69	248880	45.42	ug/l	97
57) 1,3-Dichloropropane	10.68	76	288672	46.02	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	514127	219.57	ug/l	99
59) 2-Hexanone	10.72	43	605590	211.22	ug/l	97
60) Dibromochloromethane	10.87	129	215072	48.23	ug/l	100
61) 1,2-Dibromoethane	10.98	107	195396	47.76	ug/l	98
64) Tetrachloroethene	10.60	164	223556	44.69	ug/l	98
65) Chlorobenzene	11.41	112	514315	46.56	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	194194	47.21	ug/l	99
67) Ethyl Benzene	11.48	91	887129	46.46	ug/l	99
68) m/p-Xylenes	11.60	106	703941	92.98	ug/l	99
69) o-Xylene	11.92	106	337559	46.94	ug/l	99
70) Styrene	11.94	104	571352	47.98	ug/l	99
71) Bromoform	12.10	173	151555	47.81	ug/l #	100
73) Isopropylbenzene	12.22	105	897350	44.10	ug/l	100
74) N-amyl acetate	12.05	43	252810	39.45	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	236075	41.40	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	306216	60.40	ug/l #	100
77) Bromobenzene	12.50	156	237998	45.82	ug/l	96
78) n-propylbenzene	12.57	91	1000946	44.06	ug/l	100
79) 2-Chlorotoluene	12.65	91	583849	43.10	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	749557	44.07	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	74764	37.71	ug/l	99
82) 4-Chlorotoluene	12.75	91	616632	43.27	ug/l	99
83) tert-Butylbenzene	12.97	119	645428	42.95	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	748515	44.30	ug/l	98
85) sec-Butylbenzene	13.15	105	828547	42.79	ug/l	100
86) p-Isopropyltoluene	13.26	119	776305	43.53	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	421560	45.83	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	426970	45.57	ug/l	99
89) n-Butylbenzene	13.59	91	622258	41.66	ug/l	100
90) Hexachloroethane	13.85	117	112504	57.05	ug/l	92
91) 1,2-Dichlorobenzene	13.63	146	403381	45.89	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	42819	36.82	ug/l	93

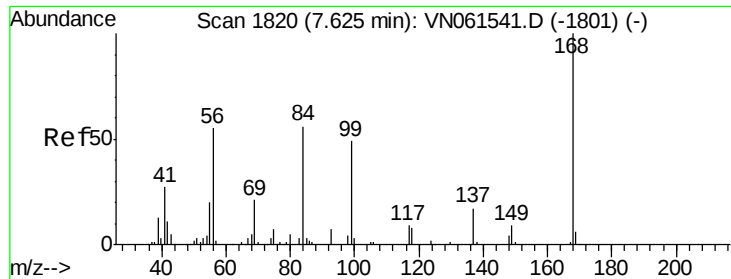
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060520\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	228378	44.43	ug/l	98
94) Hexachlorobutadiene	14.99	225	91119	41.56	ug/l	97
95) Naphthalene	15.10	128	664185	42.45	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	226655	44.84	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

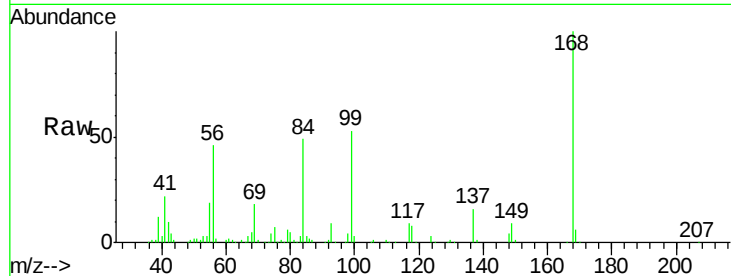
VSTDCCC050EC

Tgt Ion:168 Resp: 337540

Ion Ratio Lower Upper

168 100

99 52.4 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

150000

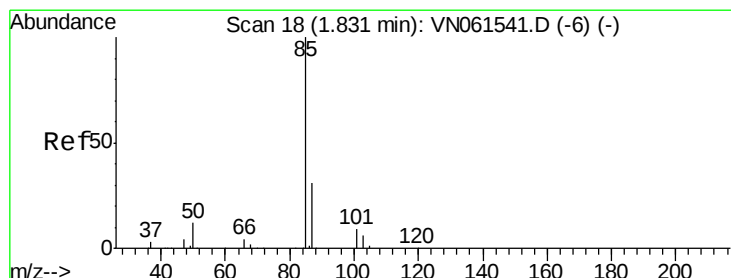
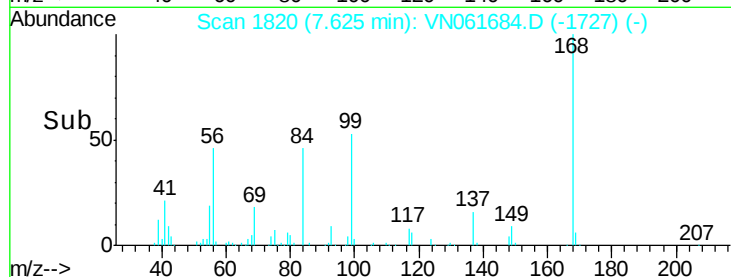
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 42.00 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061684.D

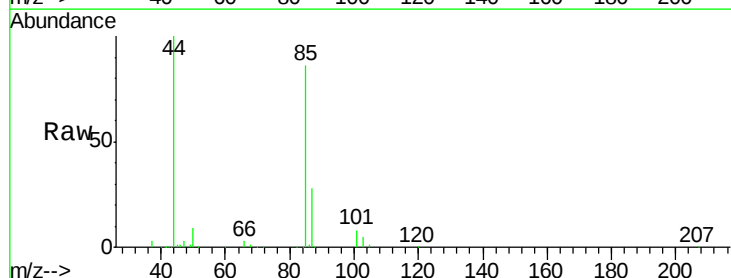
Acq: 5 Jun 2020 20:58

Tgt Ion: 85 Resp: 162943

Ion Ratio Lower Upper

85 100

87 32.0 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

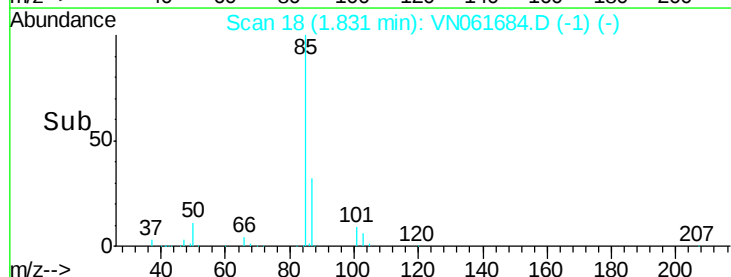
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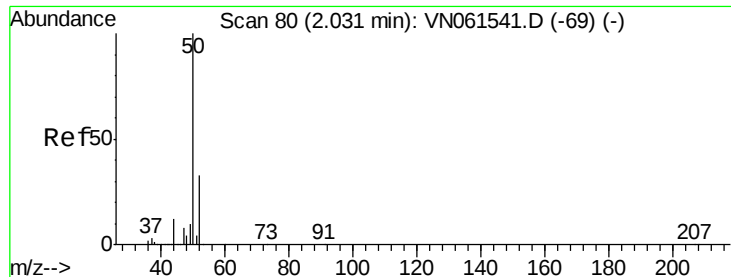
50000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 41.12 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

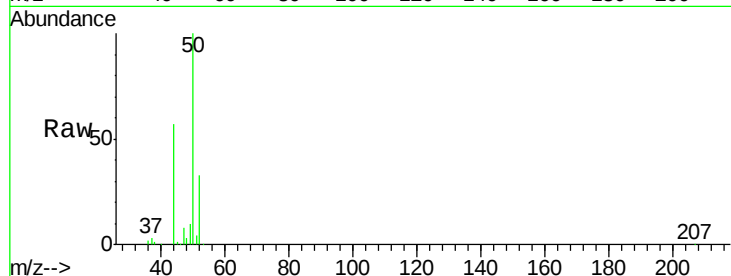
VSTDCCC050EC

Tgt Ion: 50 Resp: 169282

Ion Ratio Lower Upper

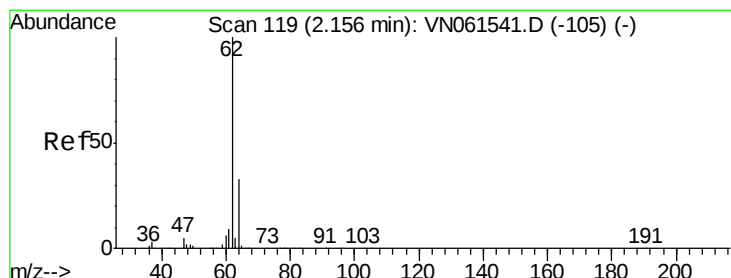
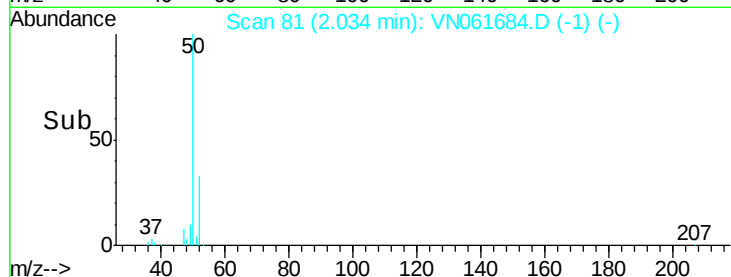
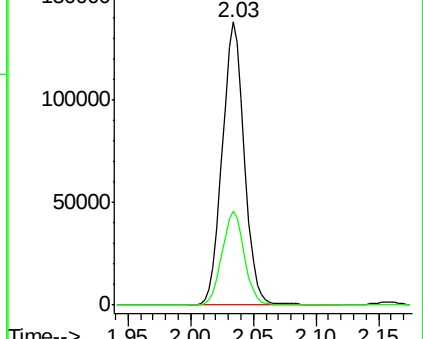
50 100

52 33.3 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: 42.18 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061684.D

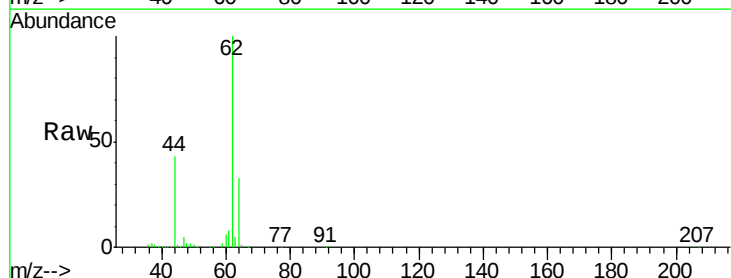
Acq: 5 Jun 2020 20:58

Tgt Ion: 62 Resp: 237942

Ion Ratio Lower Upper

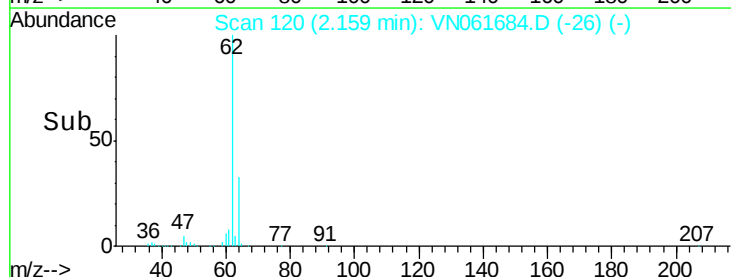
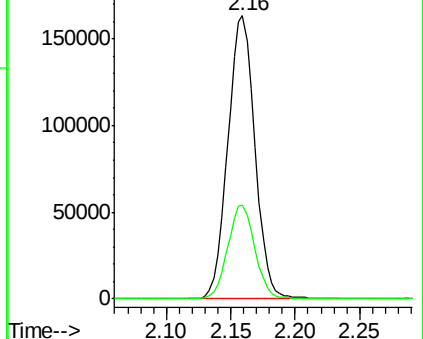
62 100

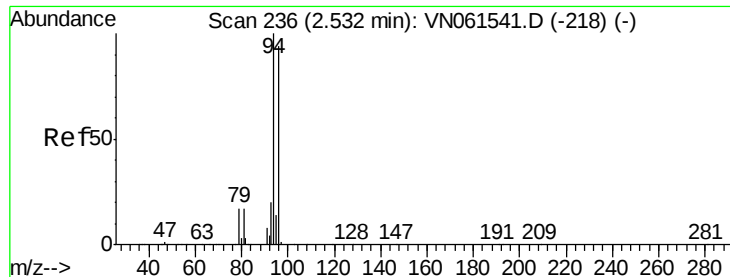
64 33.0 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 44.74 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

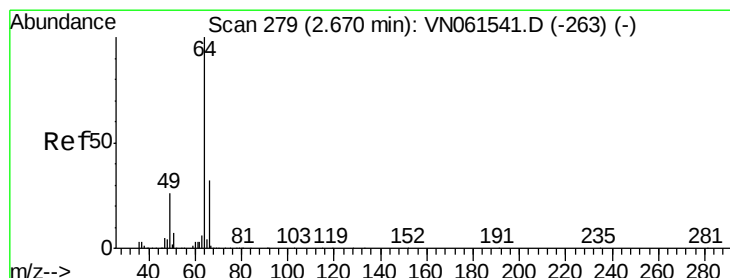
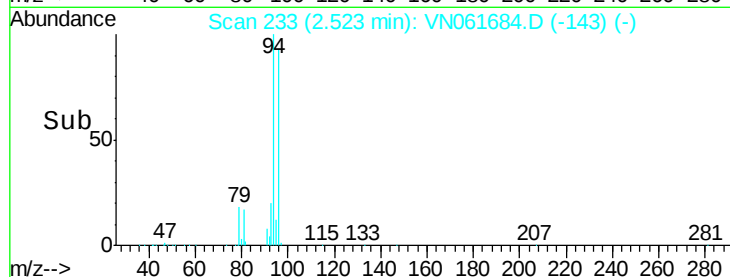
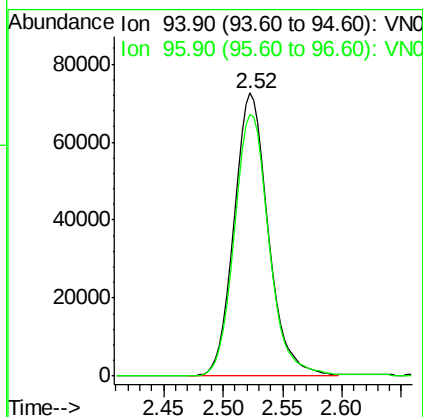
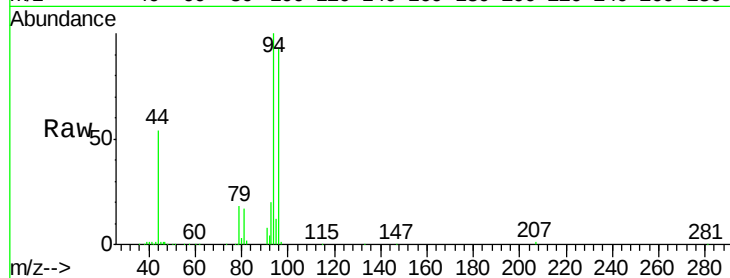
VSTDCCC050EC

Tgt Ion: 94 Resp: 144832

Ion Ratio Lower Upper

94 100

96 92.6 74.8 112.2



#6

Chloroethane

Concen: 42.65 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN061684.D

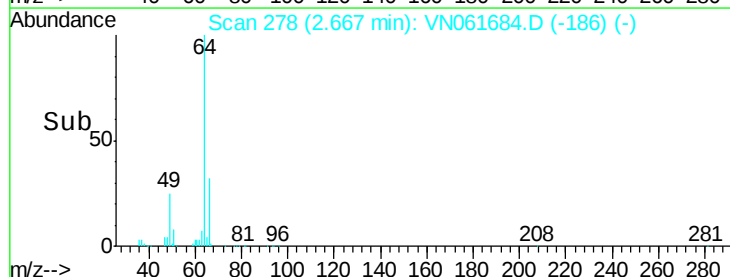
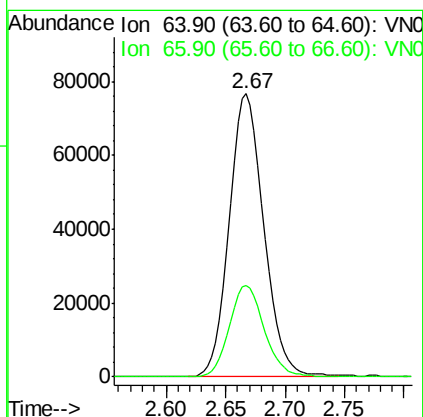
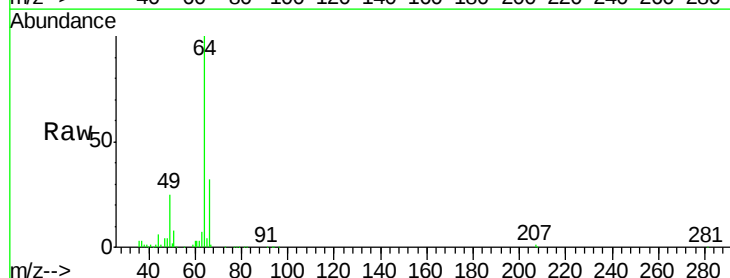
Acq: 5 Jun 2020 20:58

Tgt Ion: 64 Resp: 154873

Ion Ratio Lower Upper

64 100

66 32.2 25.6 38.4





#7

Trichlorofluoromethane

Concen: 44.52 ug/l

RT: 2.98 min Scan# 375

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

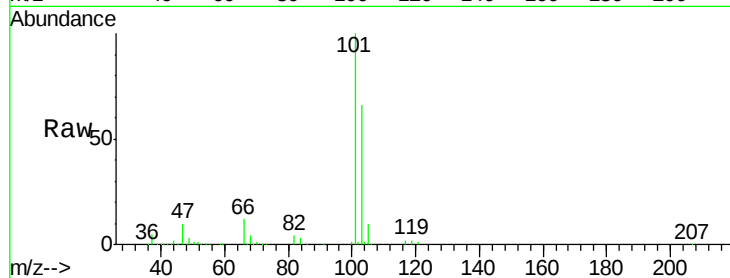
VSTDCCC050EC

Tgt Ion:101 Resp: 323891

Ion Ratio Lower Upper

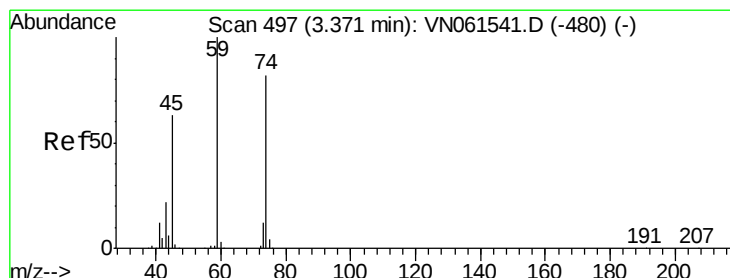
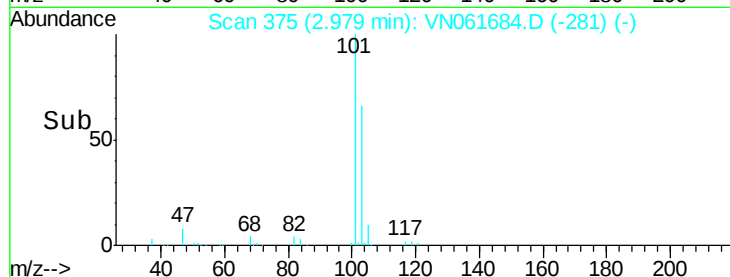
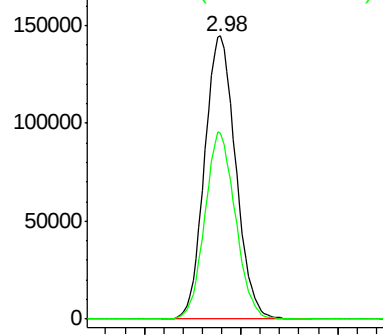
101 100

103 65.8 51.4 77.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 41.91 ug/l

RT: 3.37 min Scan# 497

Delta R.T. 0.00 min

Lab File: VN061684.D

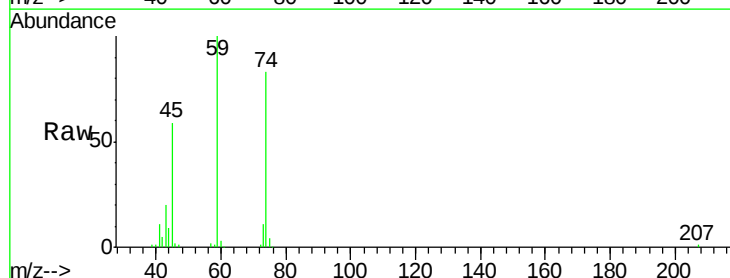
Acq: 5 Jun 2020 20:58

Tgt Ion: 74 Resp: 93235

Ion Ratio Lower Upper

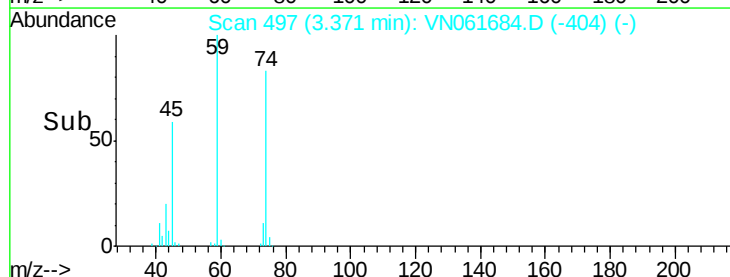
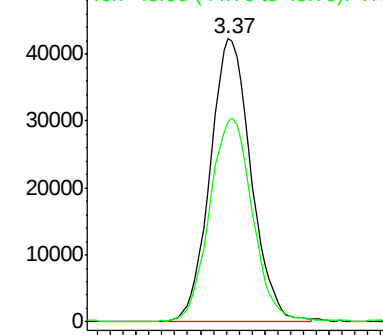
74 100

45 75.6 39.9 119.7



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.53 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

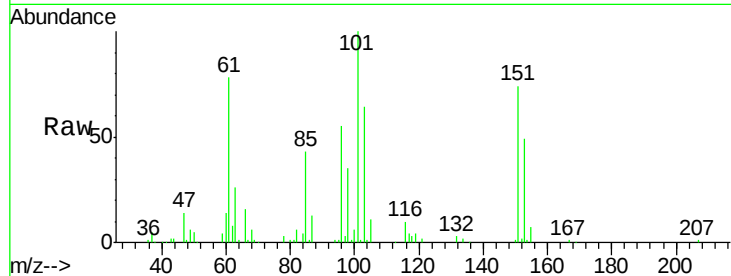
Tgt Ion:101 Resp: 146981

Ion Ratio Lower Upper

101 100

85 43.2 35.2 52.8

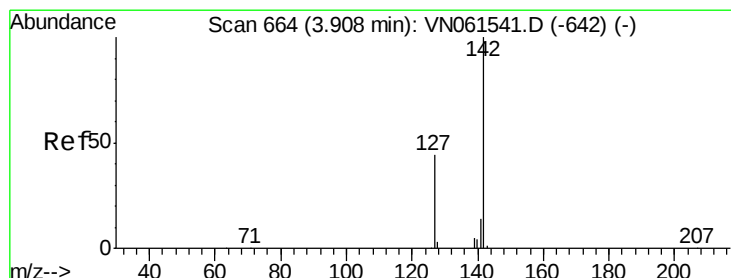
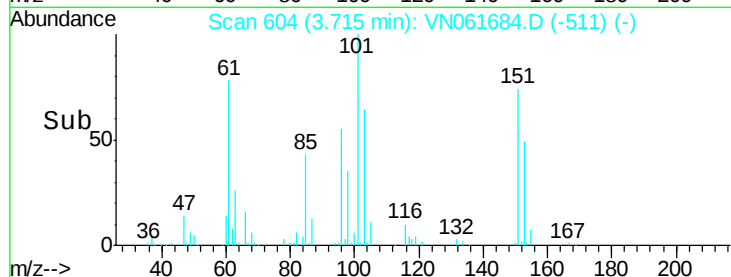
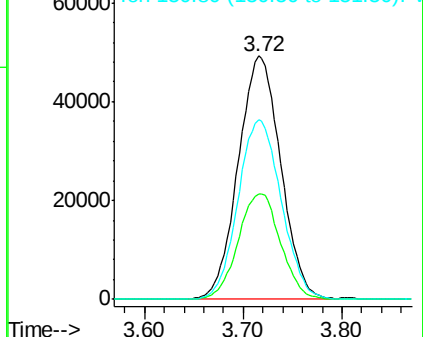
151 75.1 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.73 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

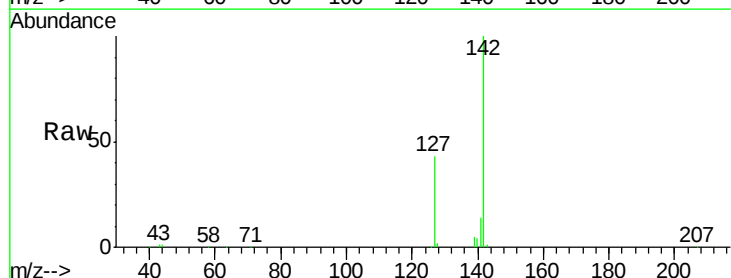
Tgt Ion:142 Resp: 191509

Ion Ratio Lower Upper

142 100

127 42.7 35.5 53.3

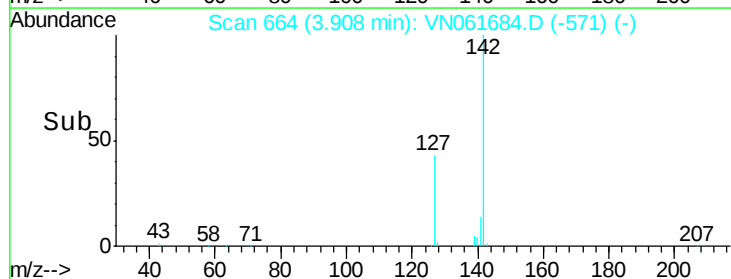
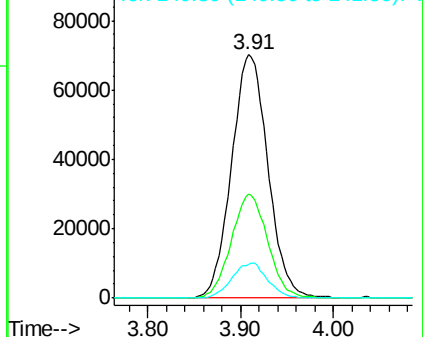
141 14.1 11.5 17.3



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: 223.30 ug/l

RT: 4.74 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

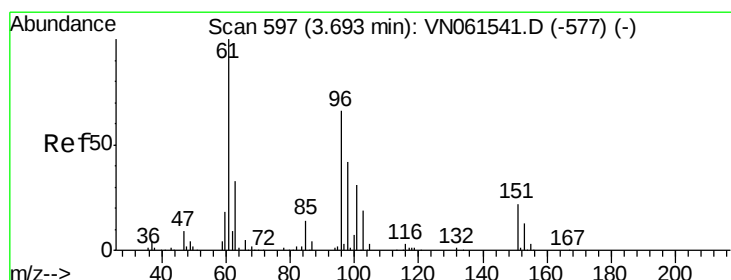
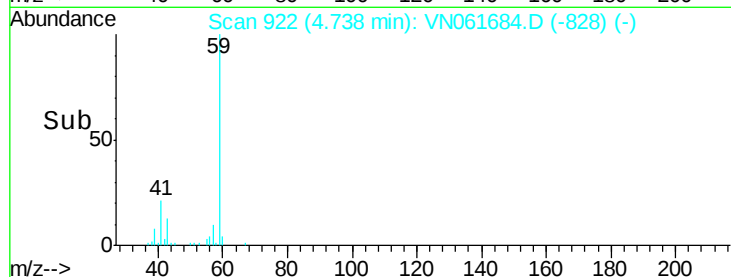
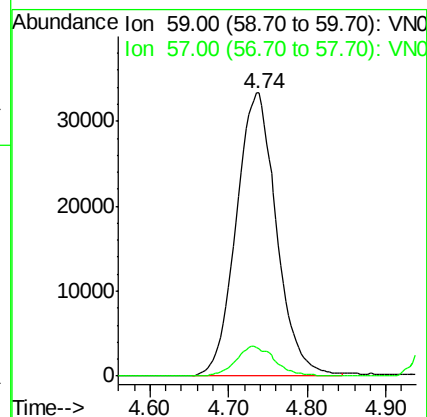
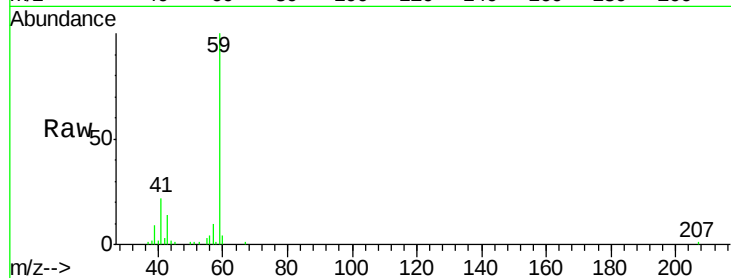
VSTDCCC050EC

Tgt Ion: 59 Resp: 119446

Ion Ratio Lower Upper

59 100

57 10.2 8.4 12.6



#12

1,1-Dichloroethene

Concen: 42.28 ug/l

RT: 3.69 min Scan# 597

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

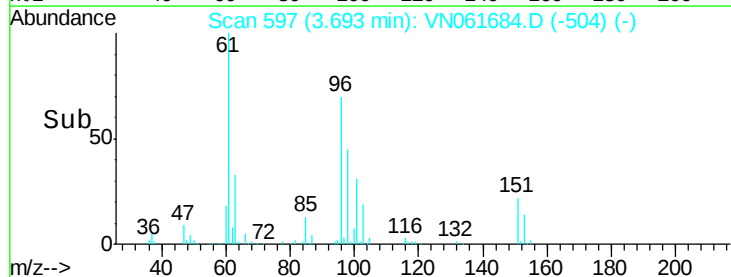
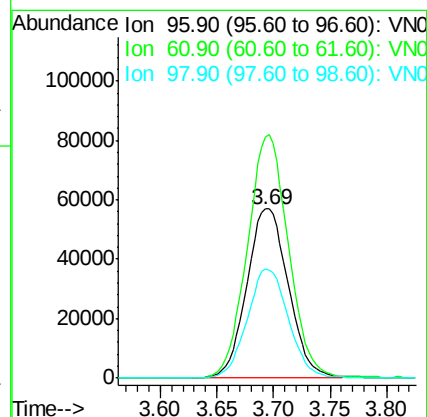
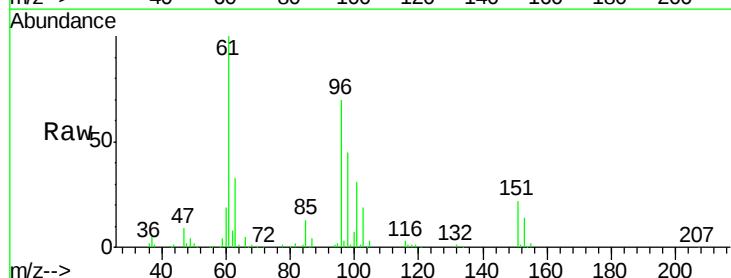
Tgt Ion: 96 Resp: 145818

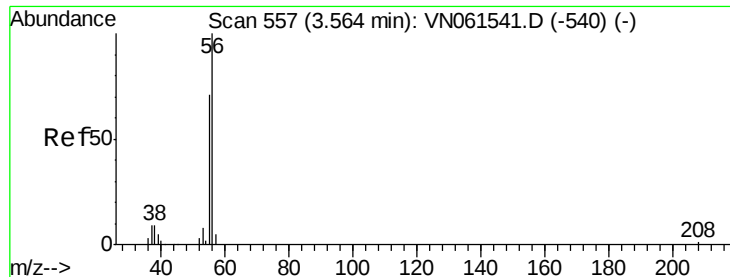
Ion Ratio Lower Upper

96 100

61 142.6 120.5 180.7

98 64.7 50.8 76.2





#13

Acrolein

Concen: 223.59 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

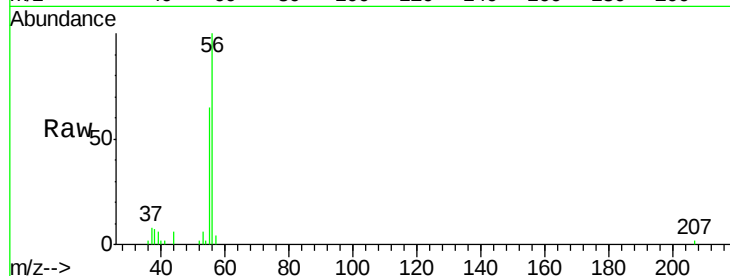
VSTDCCC050EC

Tgt Ion: 56 Resp: 35148

Ion Ratio Lower Upper

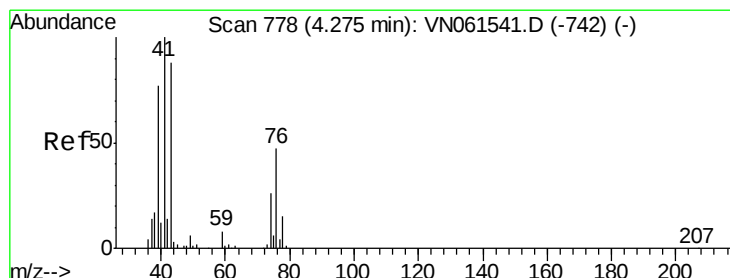
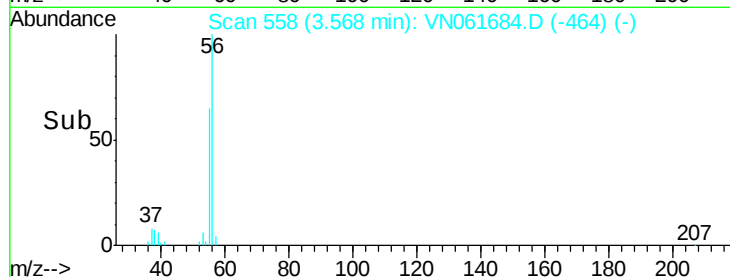
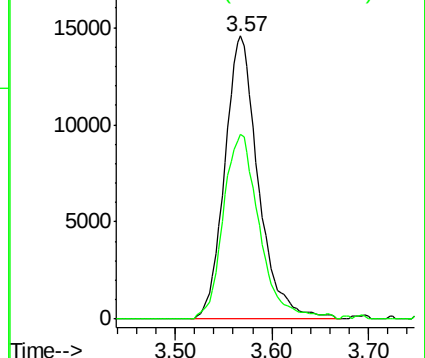
56 100

55 69.8 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 39.97 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

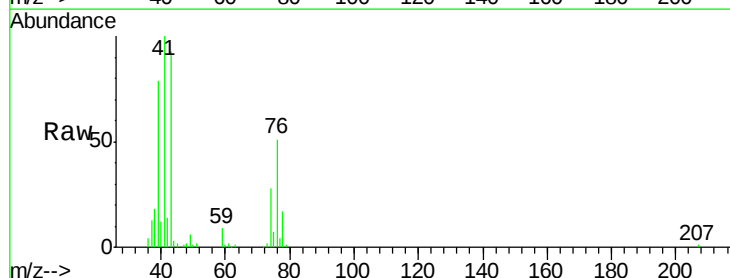
Tgt Ion: 41 Resp: 180209

Ion Ratio Lower Upper

41 100

39 73.1 58.6 88.0

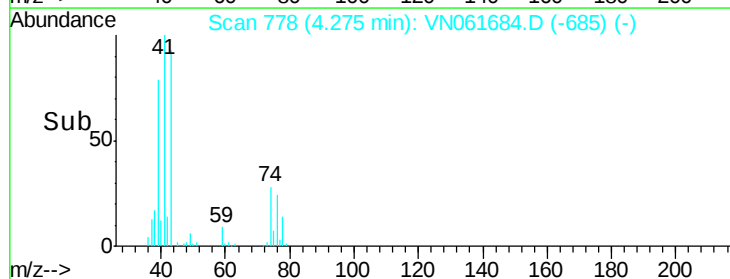
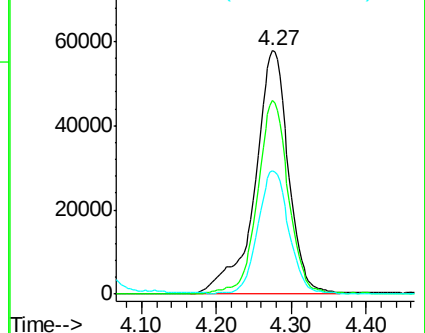
76 45.9 34.2 51.4



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





#15

Acrylonitrile

Concen: 212.61 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

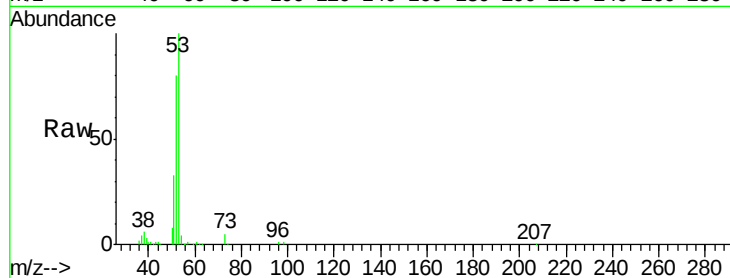
Tgt Ion: 53 Resp: 317433

Ion Ratio Lower Upper

53 100

52 81.1 65.4 98.2

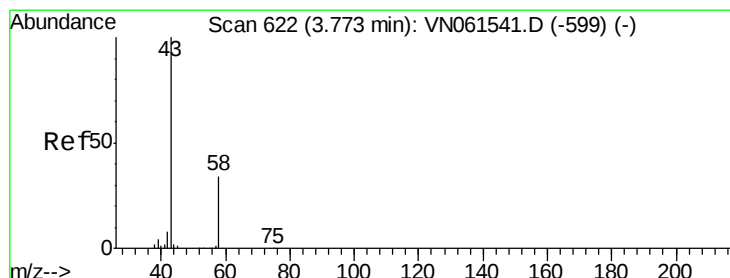
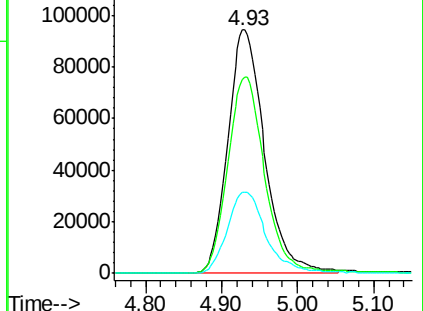
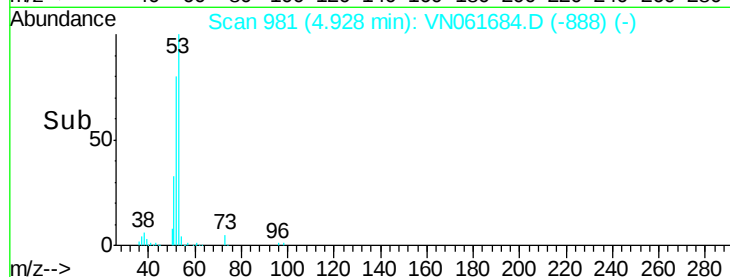
51 35.3 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN061684.D (-958) (-)

Ion 52.00 (51.70 to 52.70): VN061684.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VN061684.D (-958) (-)



#16

Acetone

Concen: 208.75 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061684.D

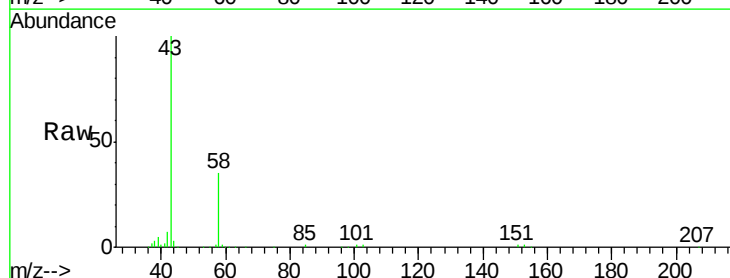
Acq: 5 Jun 2020 20:58

Tgt Ion: 43 Resp: 232496

Ion Ratio Lower Upper

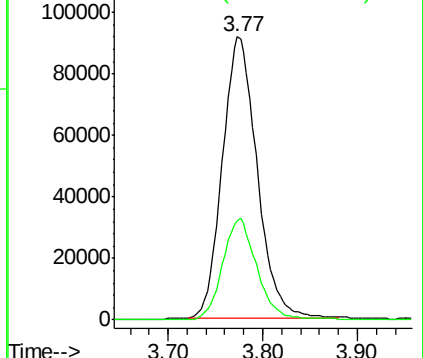
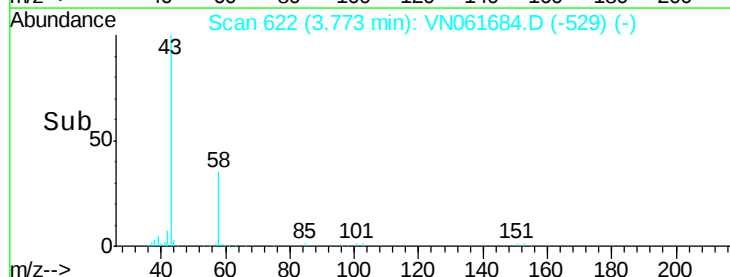
43 100

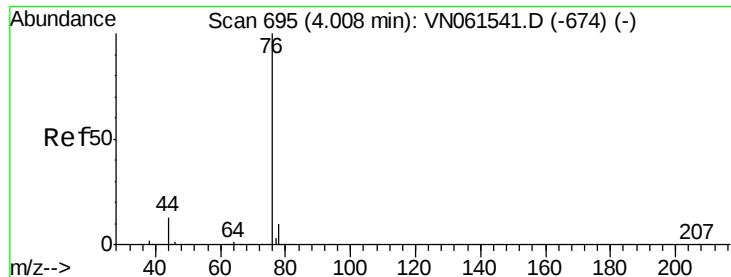
58 35.3 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN061684.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN061684.D (-599) (-)

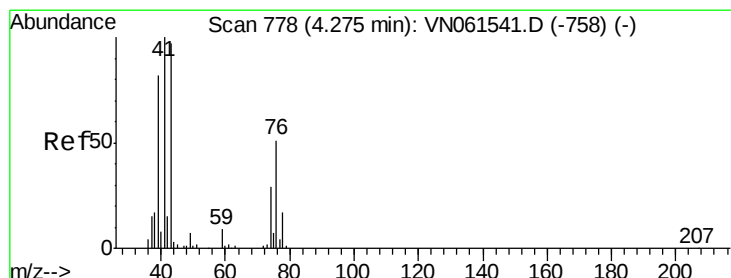
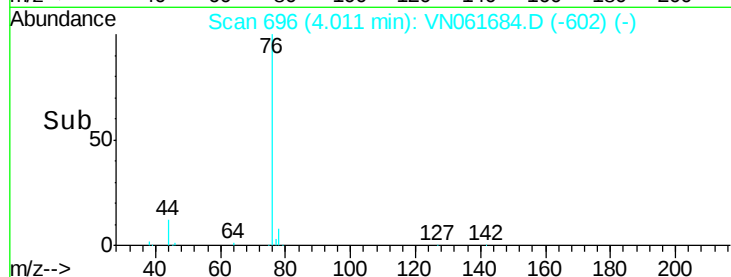
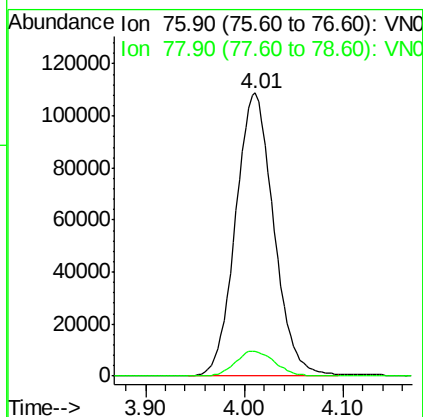
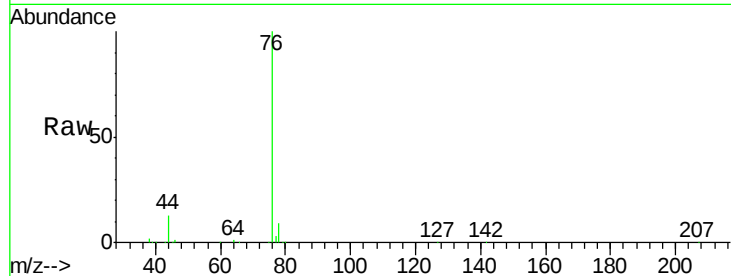




#17
Carbon Disulfide
Concen: 38.45 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

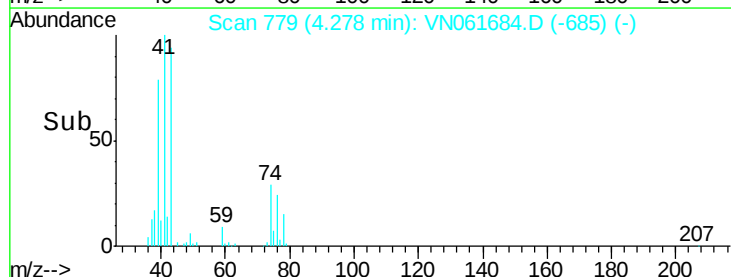
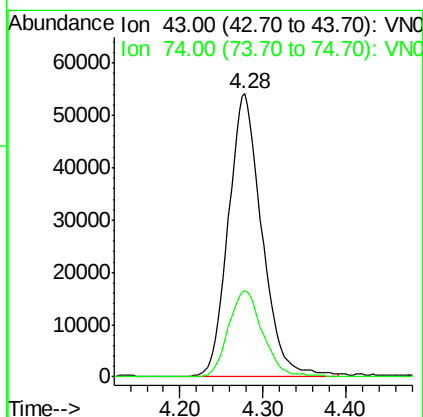
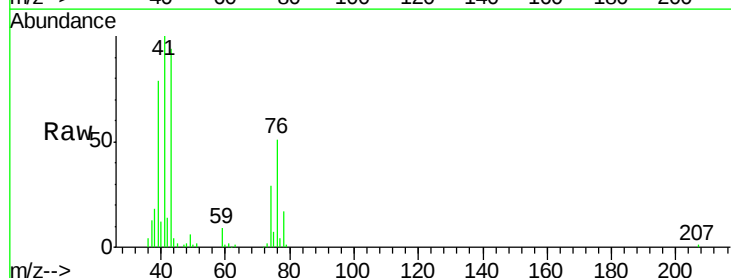
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

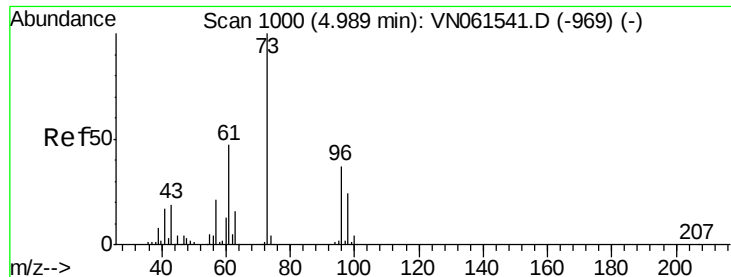
Tgt Ion: 76 Resp: 291804
Ion Ratio Lower Upper
76 100
78 8.6 7.8 11.6



#18
Methyl Acetate
Concen: 41.88 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion: 43 Resp: 152475
Ion Ratio Lower Upper
43 100
74 31.1 23.2 34.8

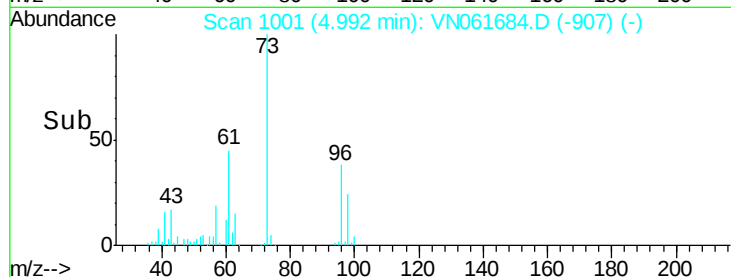
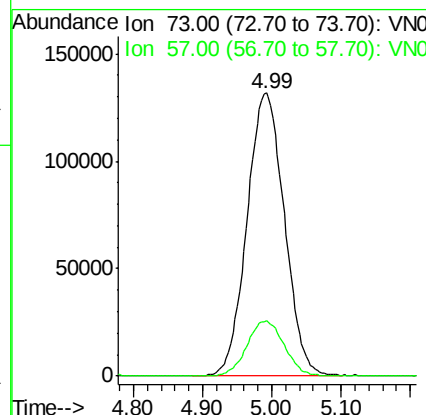
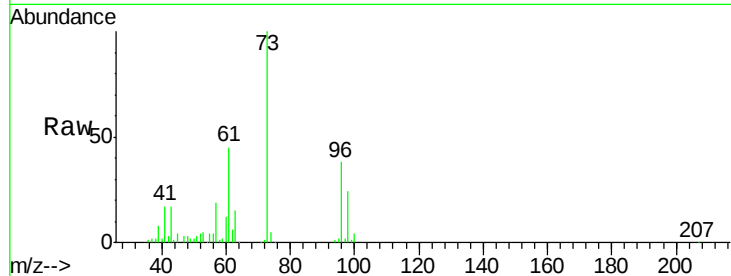




#19
Methyl tert-butyl Ether
Concen: 42.07 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

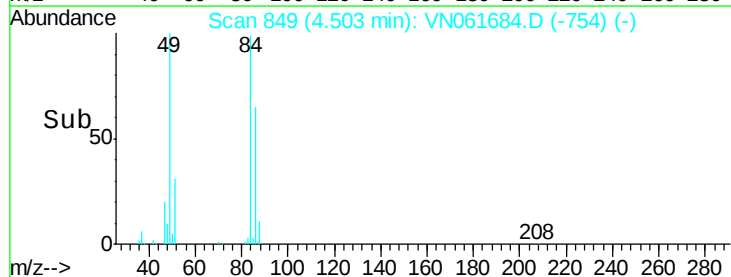
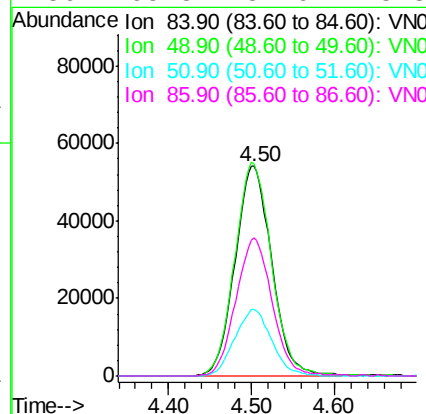
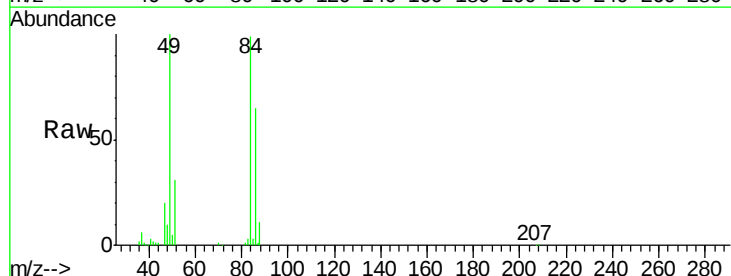
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

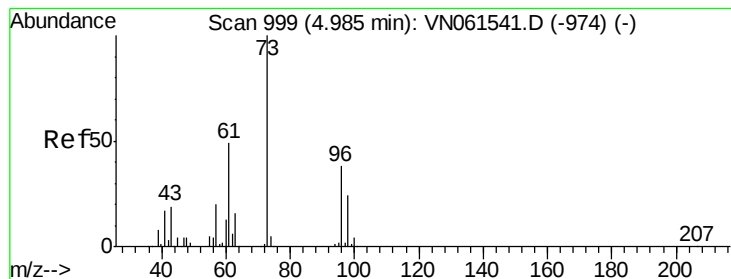
Tgt Ion: 73 Resp: 494546
Ion Ratio Lower Upper
73 100
57 19.4 16.4 24.6



#20
Methylene Chloride
Concen: 45.42 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion: 84 Resp: 166609
Ion Ratio Lower Upper
84 100
49 101.3 85.8 128.8
51 31.9 26.2 39.2
86 65.8 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 42.21 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

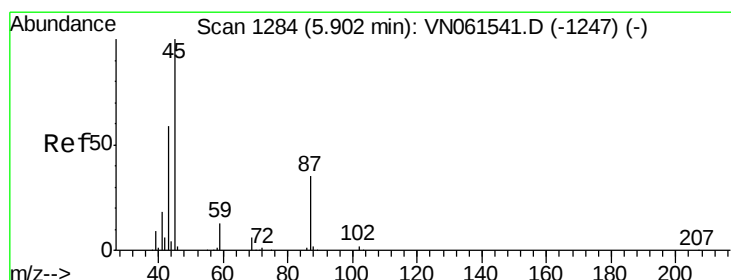
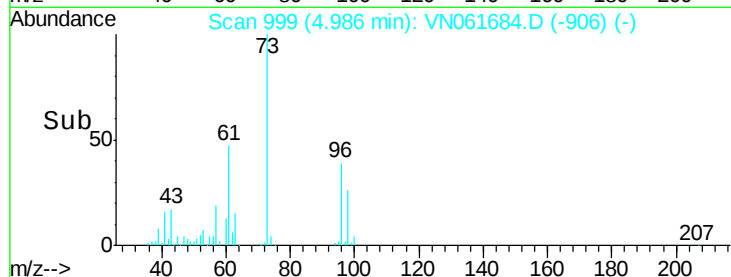
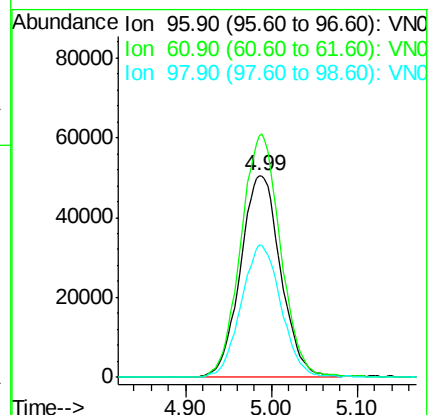
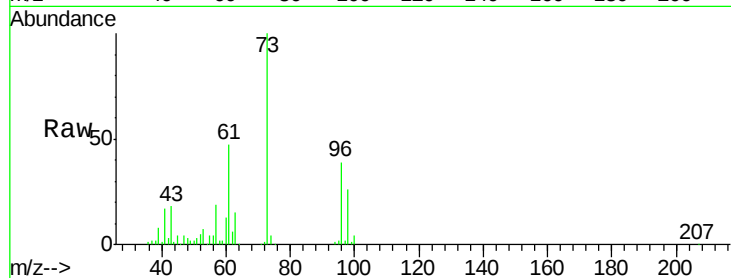
Tgt Ion: 96 Resp: 164191

Ion Ratio Lower Upper

96 100

61 119.7 101.4 152.0

98 65.9 50.6 76.0



#22

Diisopropyl ether

Concen: 42.42 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Tgt Ion: 45 Resp: 421546

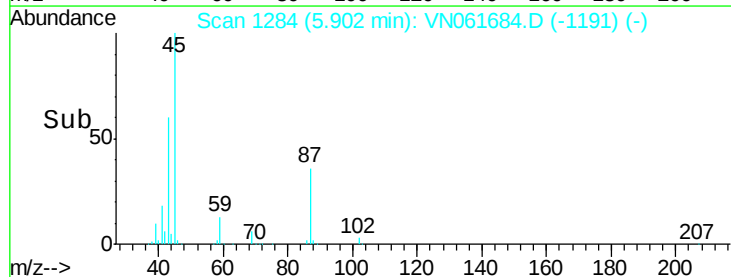
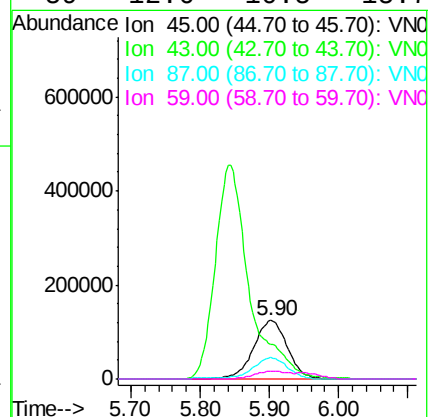
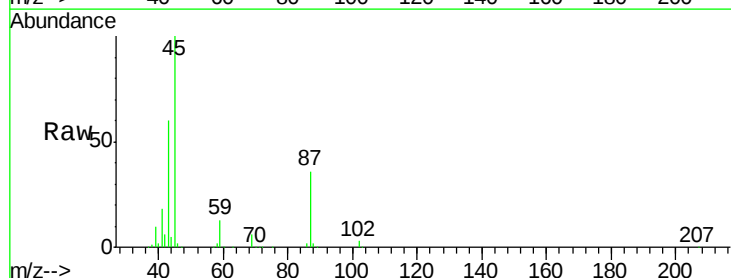
Ion Ratio Lower Upper

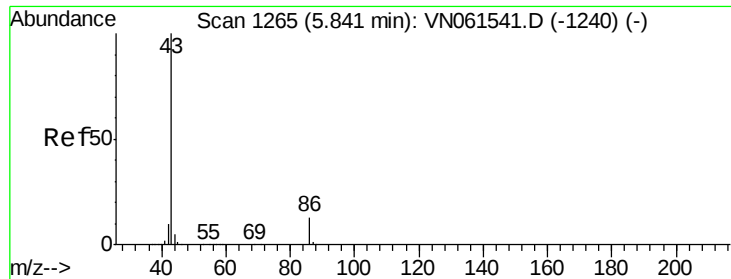
45 100

43 58.8 47.9 71.9

87 36.2 28.4 42.6

59 12.6 10.5 15.7





#23

Vinyl Acetate

Concen: 196.88 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

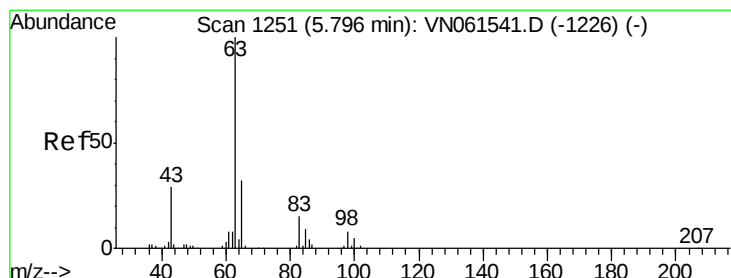
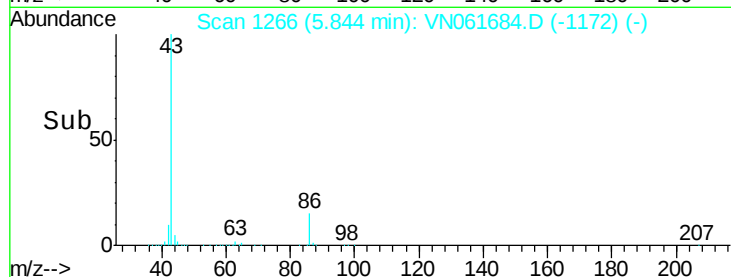
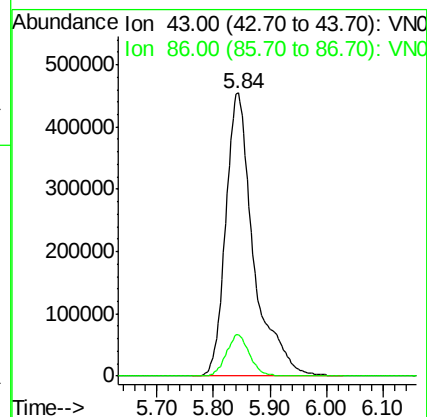
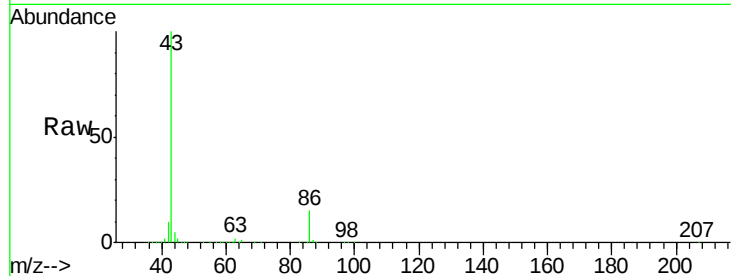
VSTDCCC050EC

Tgt Ion: 43 Resp: 1559537

Ion Ratio Lower Upper

43 100

86 14.5 10.6 16.0



#24

1,1-Dichloroethane

Concen: 42.65 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

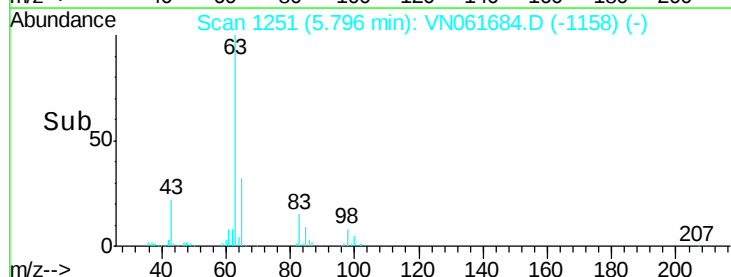
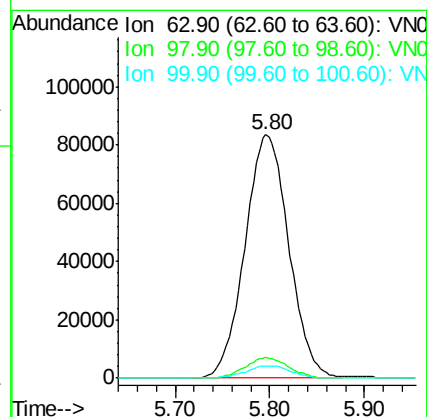
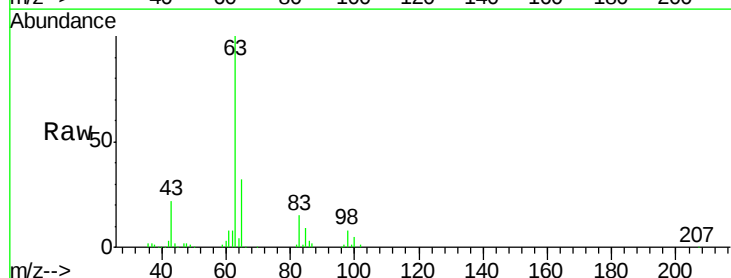
Tgt Ion: 63 Resp: 268811

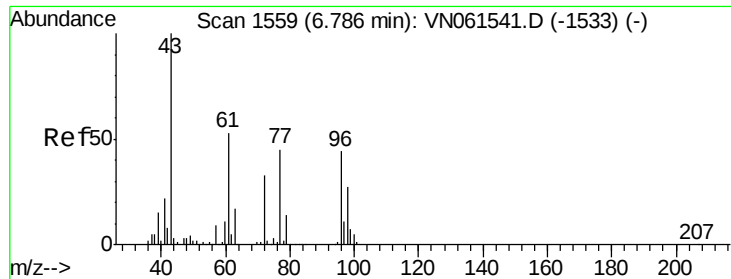
Ion Ratio Lower Upper

63 100

98 8.3 3.8 11.4

100 5.1 2.5 7.6

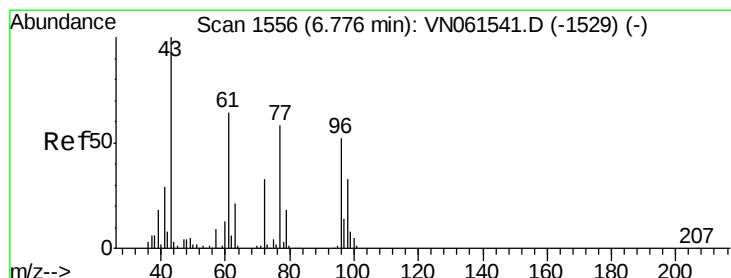
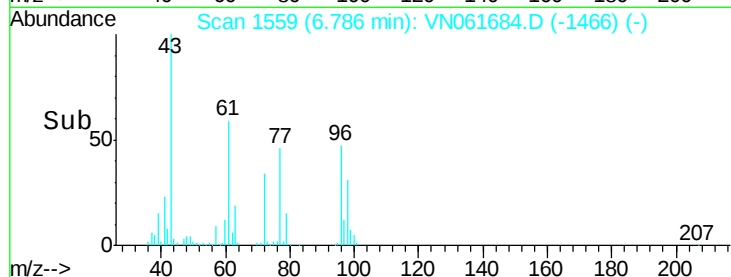
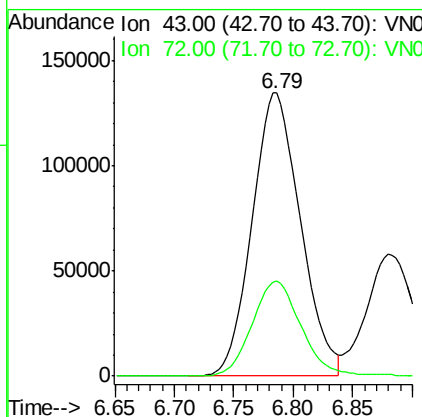
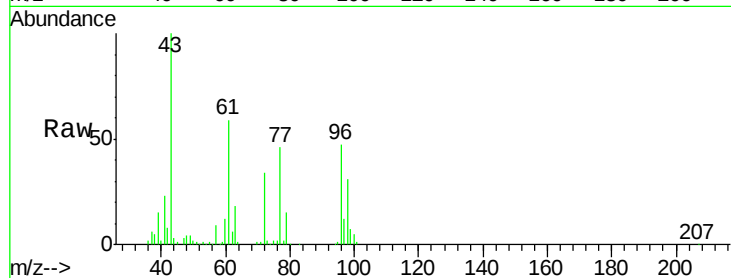




#25
 2-Butanone
 Concen: 198.59 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

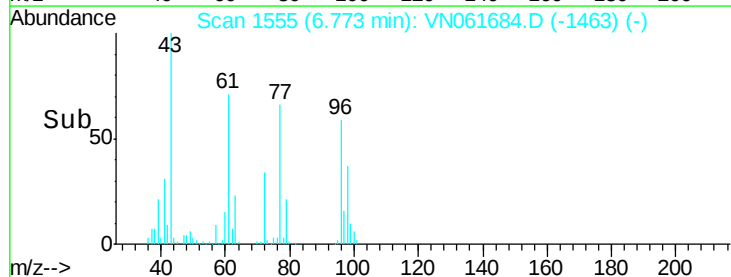
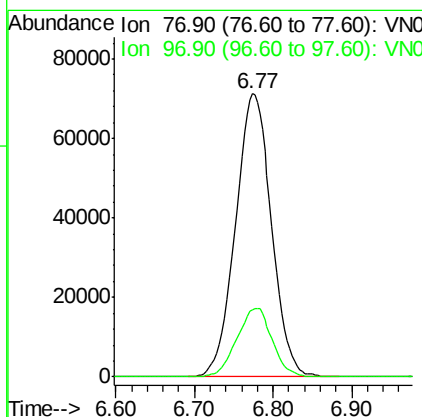
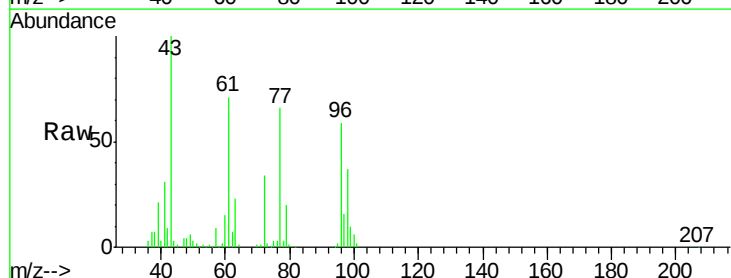
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

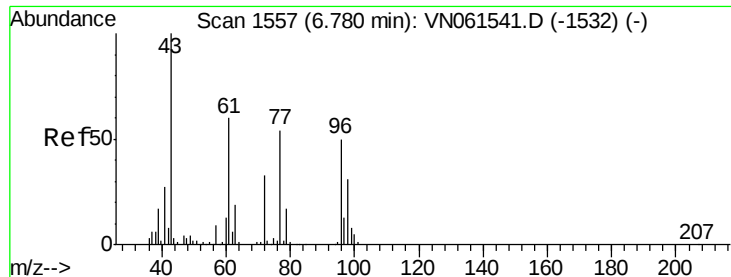
Tgt Ion: 43 Resp: 378496
 Ion Ratio Lower Upper
 43 100
 72 33.7 26.0 39.0



#26
 2,2-Dichloropropane
 Concen: 39.49 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion: 77 Resp: 227785
 Ion Ratio Lower Upper
 77 100
 97 24.0 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 44.53 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

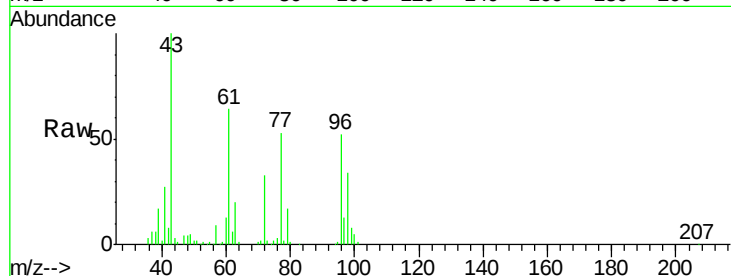
Tgt Ion: 96 Resp: 196140

Ion Ratio Lower Upper

96 100

61 122.9 0.0 252.2

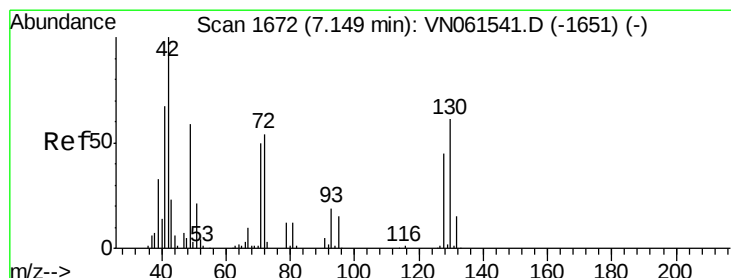
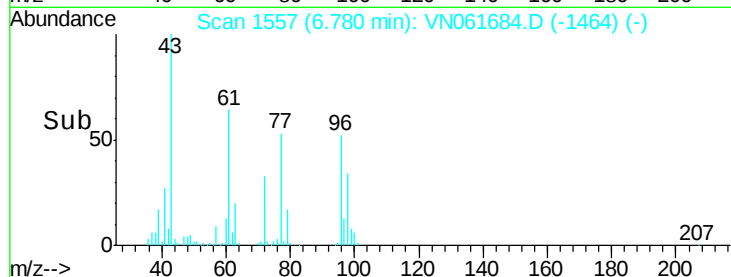
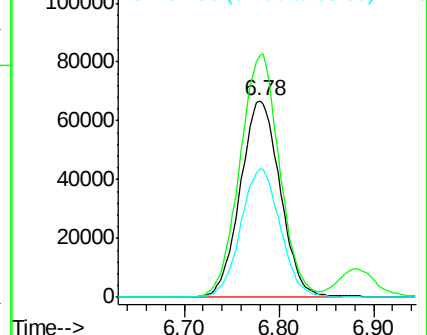
98 64.7 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN061684.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN061684.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN061684.D (-1464) (-)



#28

Bromochloromethane

Concen: 46.70 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

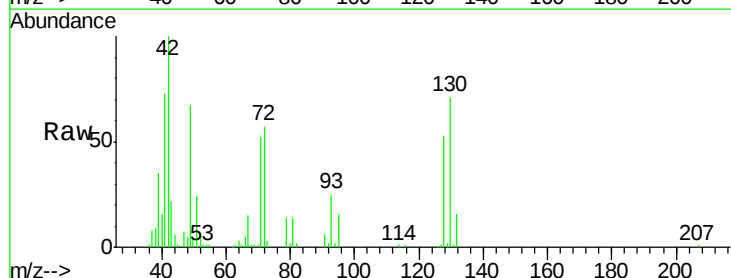
Tgt Ion: 49 Resp: 110695

Ion Ratio Lower Upper

49 100

129 2.6 0.0 4.8

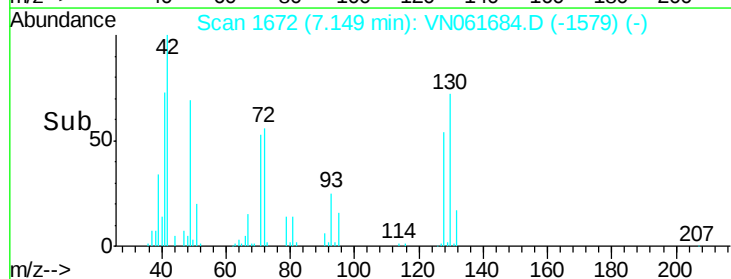
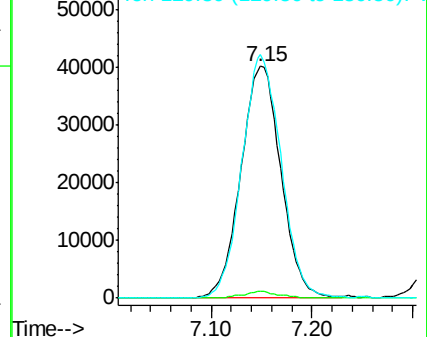
130 102.8 78.8 118.2

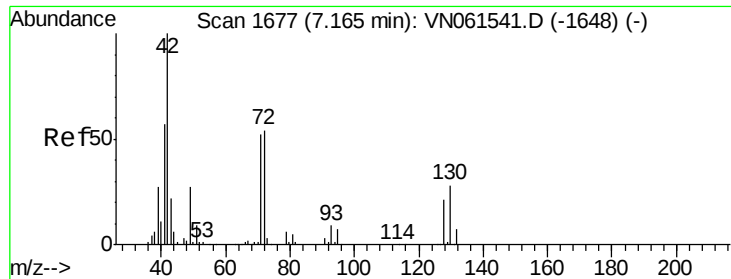


Abundance Ion 48.90 (48.60 to 49.60): VN061684.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN061684.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN061684.D (-1579) (-)

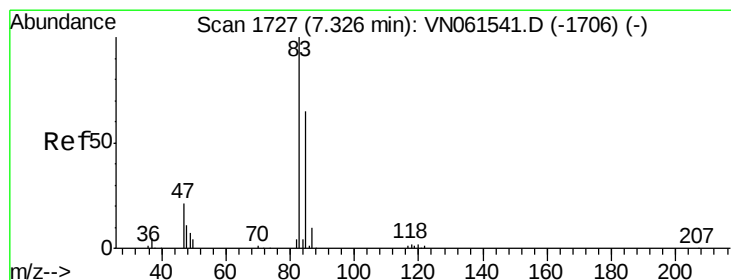
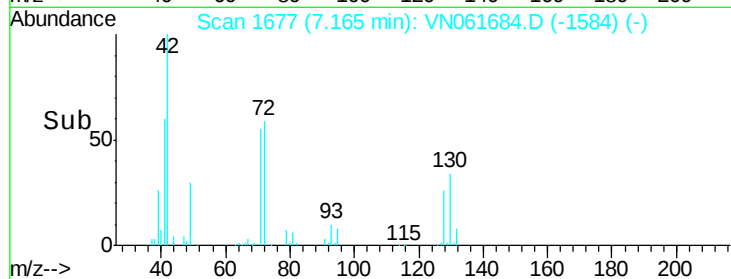
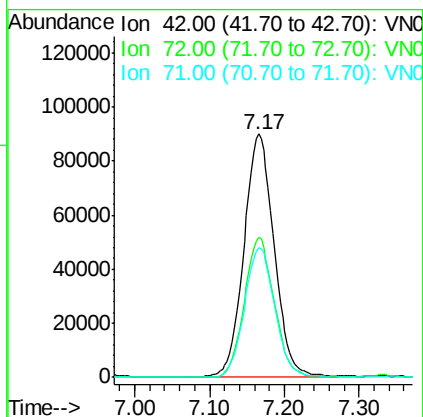
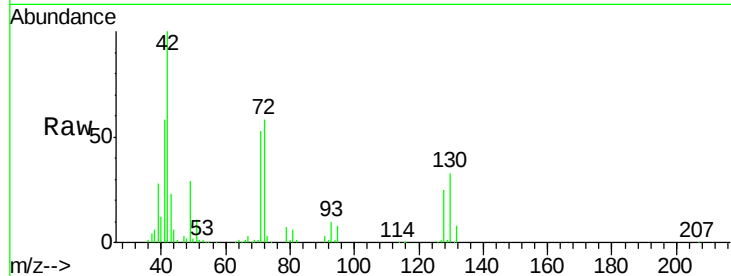




#29
Tetrahydrofuran
Concen: 201.83 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

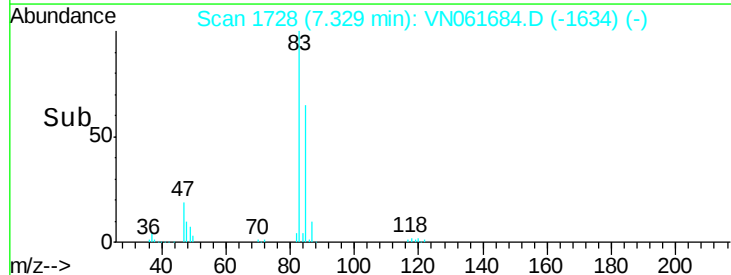
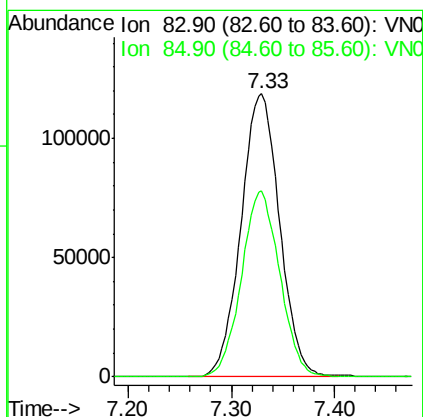
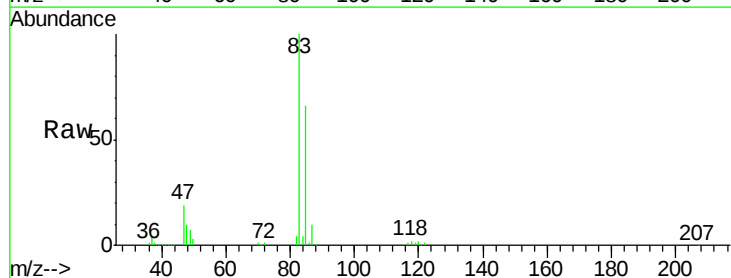
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 253664
Ion Ratio Lower Upper
42 100
72 56.6 43.6 65.4
71 53.4 41.2 61.8



#30
Chloroform
Concen: 44.31 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion: 83 Resp: 308922
Ion Ratio Lower Upper
83 100
85 65.5 51.7 77.5





#31

Cyclohexane

Concen: 40.36 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

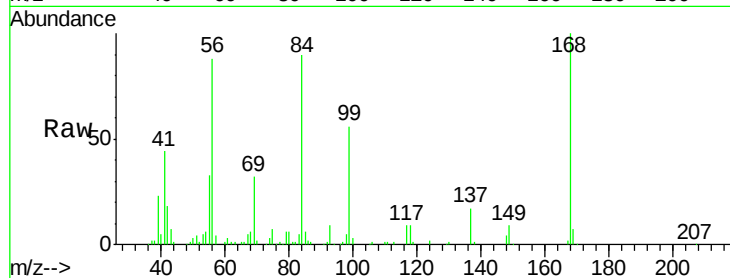
Tgt Ion: 56 Resp: 228741

Ion Ratio Lower Upper

56 100

69 35.9 27.8 41.8

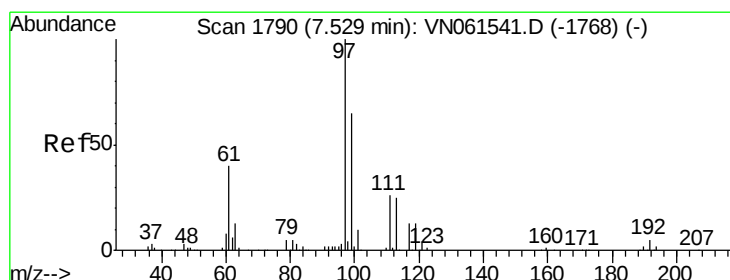
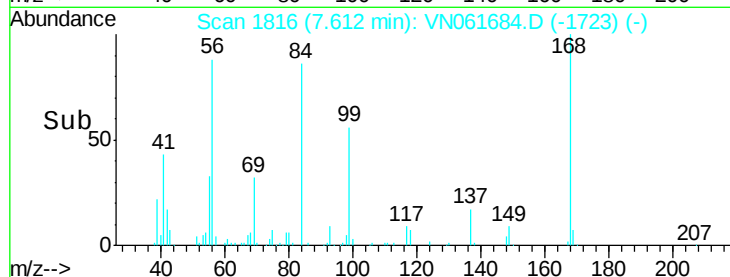
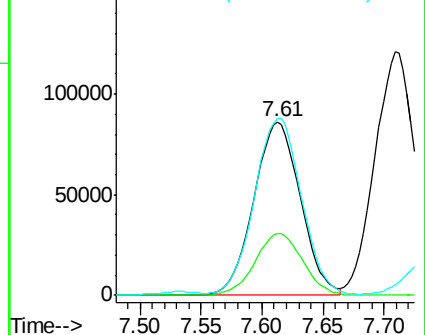
84 99.9 79.9 119.9



Abundance Ion 56.00 (55.70 to 56.70): VN061684.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN061684.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN061684.D (-1794) (-)



#32

1,1,1-Trichloroethane

Concen: 43.96 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

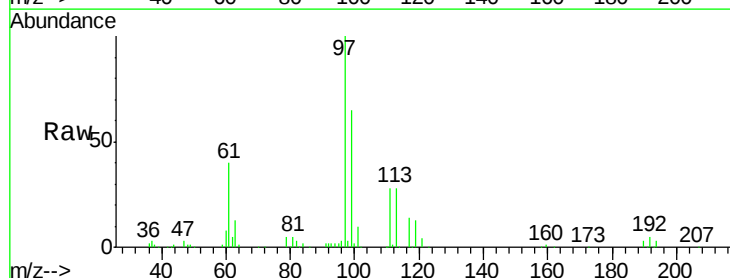
Tgt Ion: 97 Resp: 279285

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

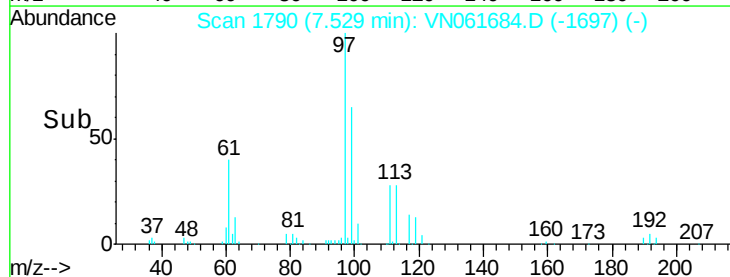
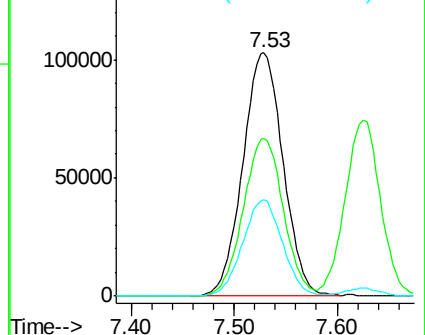
61 39.1 31.4 47.0

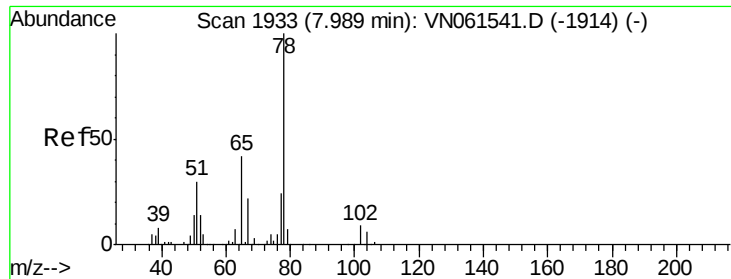


Abundance Ion 96.90 (96.60 to 97.60): VN061684.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061684.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061684.D (-1697) (-)





#33

1,2-Dichloroethane-d4

Concen: 45.58 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

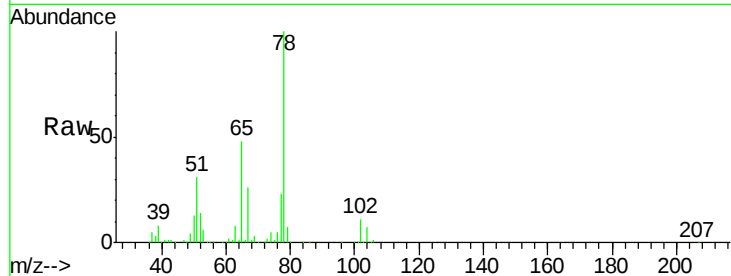
VSTDCCC050EC

Tgt Ion: 65 Resp: 183323

Ion Ratio Lower Upper

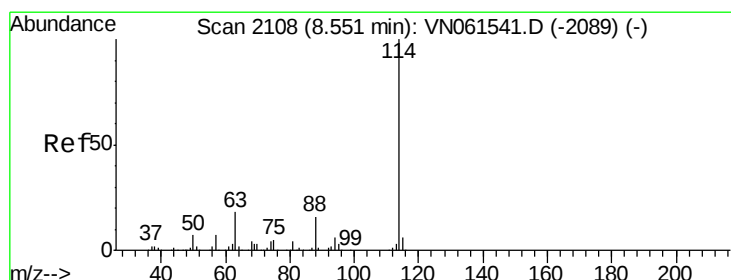
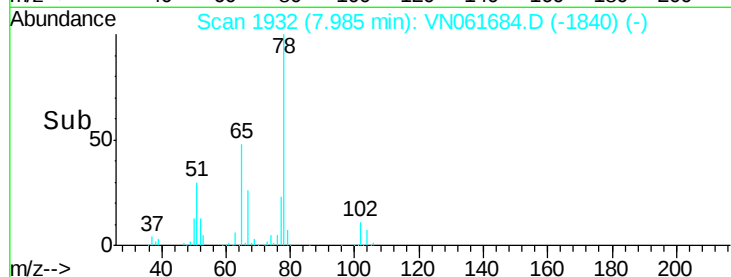
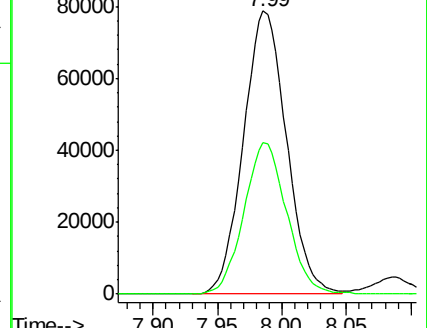
65 100

67 53.0 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN061541.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN061541.D (-1914) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

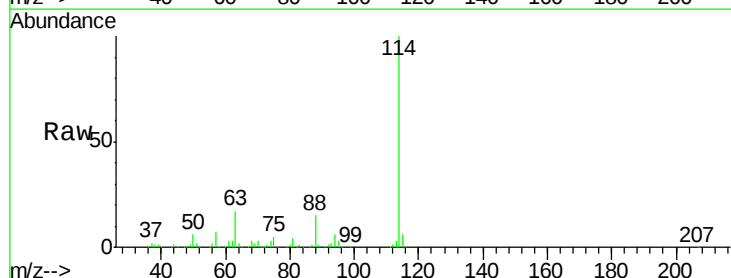
Tgt Ion: 114 Resp: 552246

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.8

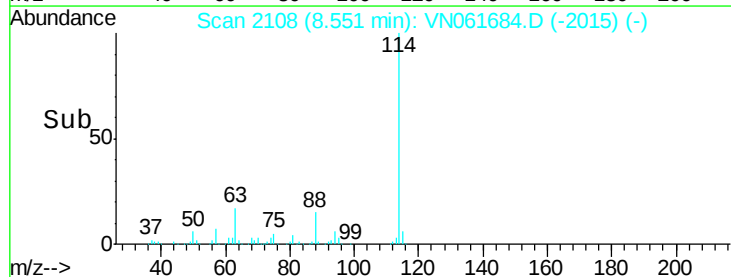
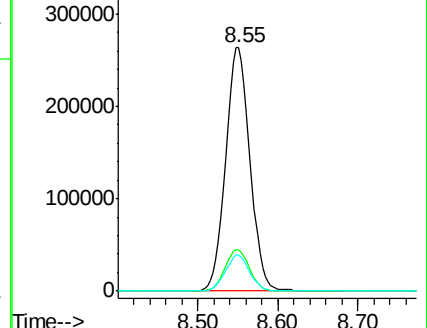
88 14.8 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN061541.D (-2089) (-)

Ion 63.00 (62.70 to 63.70): VN061541.D (-2089) (-)

Ion 87.90 (87.60 to 88.60): VN061541.D (-2089) (-)

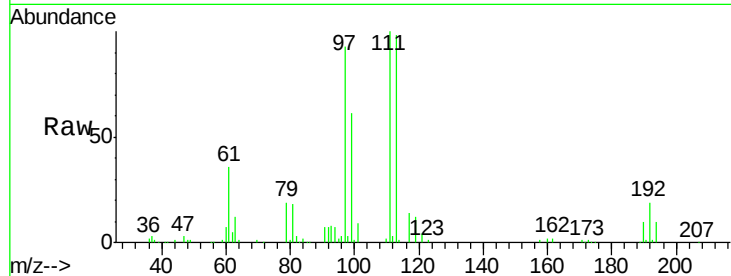




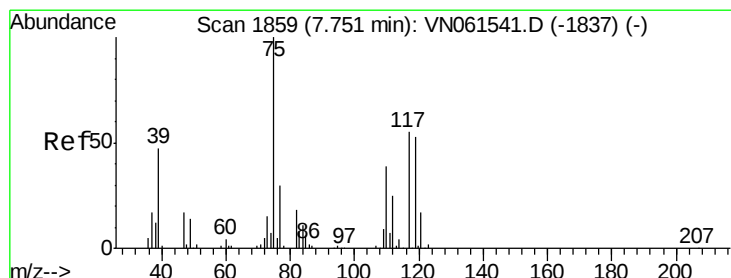
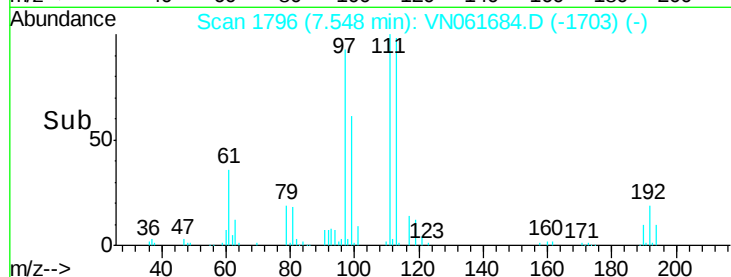
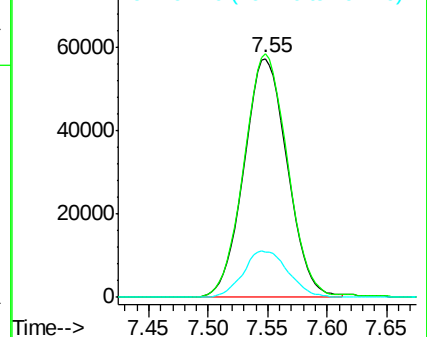
#35
Dibromofluoromethane
Concen: 51.88 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 145344
Ion Ratio Lower Upper
113 100
111 102.5 83.4 125.0
192 20.1 15.4 23.2

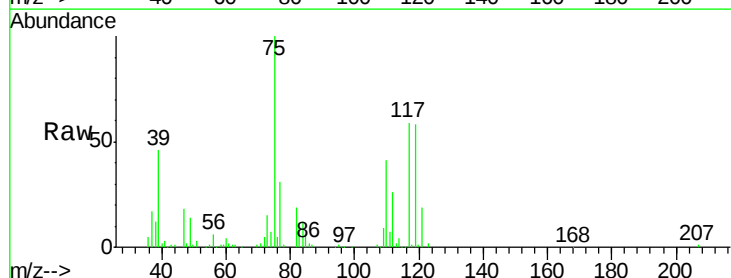


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

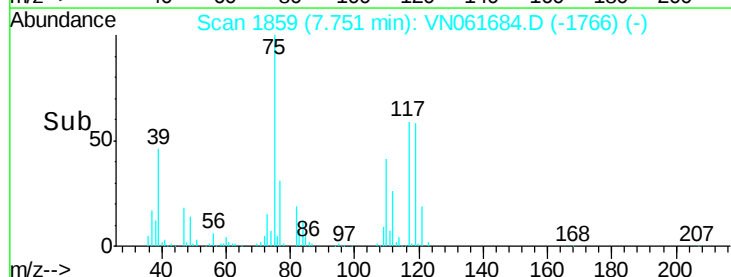
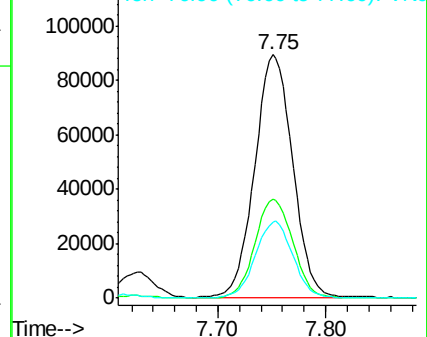


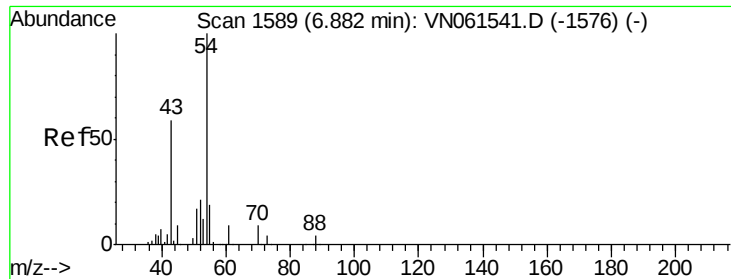
#36
1,1-Dichloropropene
Concen: 44.63 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion: 75 Resp: 218177
Ion Ratio Lower Upper
75 100
110 40.8 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

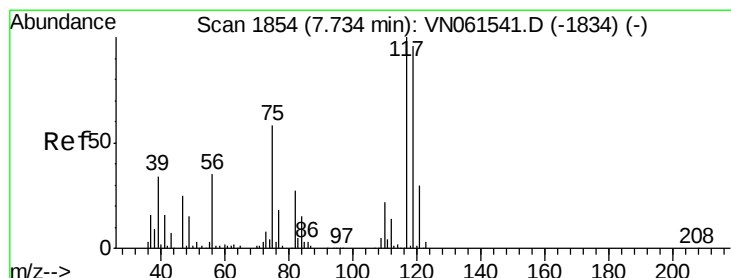
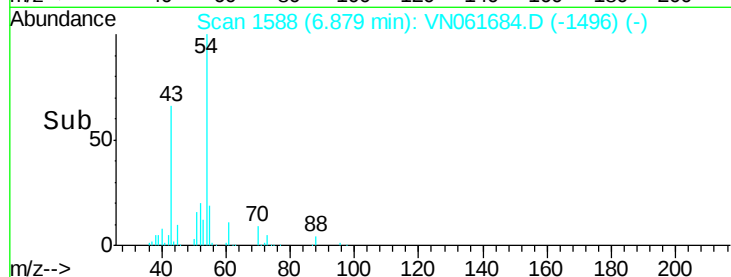
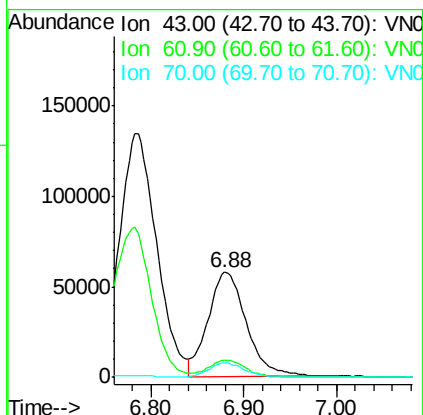
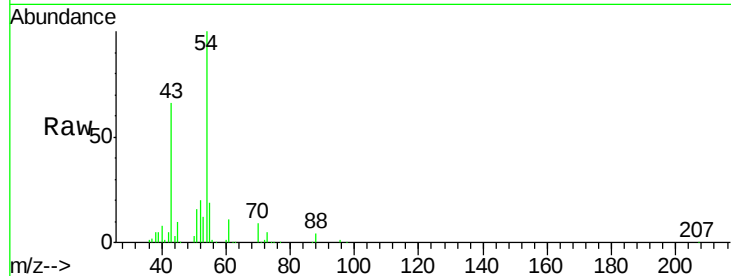




#37
Ethyl Acetate
Concen: 42.17 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

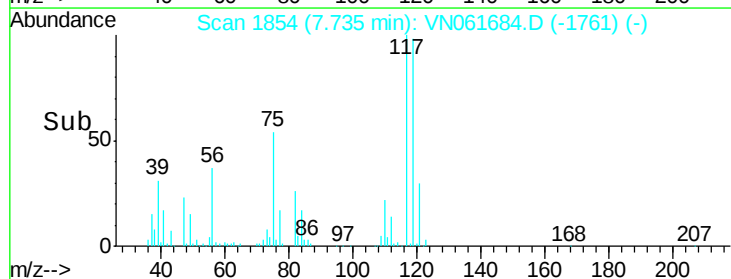
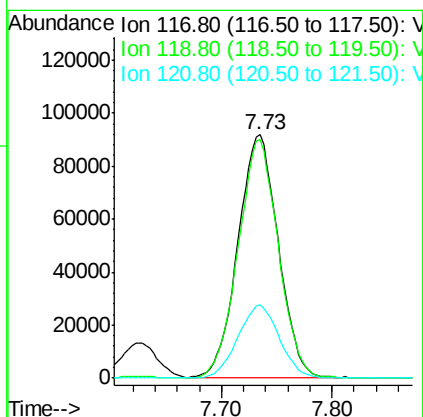
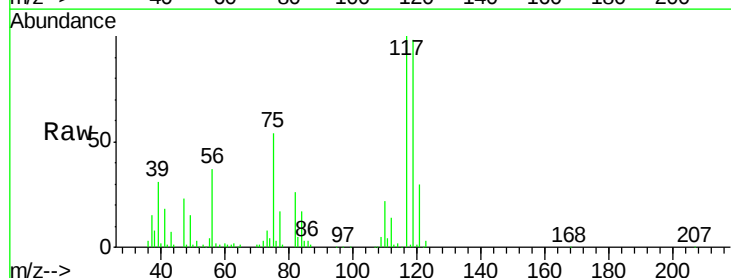
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

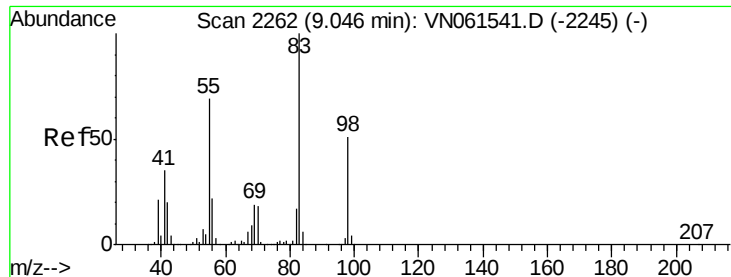
Tgt Ion: 43 Resp: 166044
Ion Ratio Lower Upper
43 100
61 15.3 12.2 18.4
70 12.9 9.4 14.2



#38
Carbon Tetrachloride
Concen: 48.97 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion: 117 Resp: 230943
Ion Ratio Lower Upper
117 100
119 98.3 76.5 114.7
121 30.0 24.1 36.1

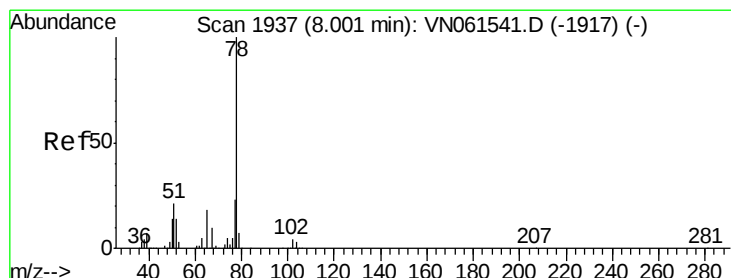
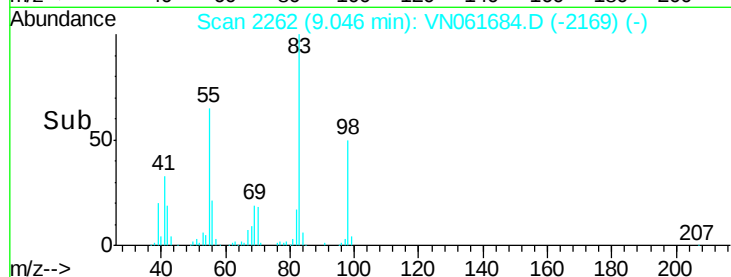
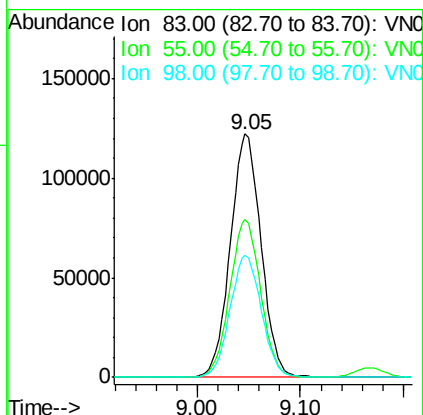
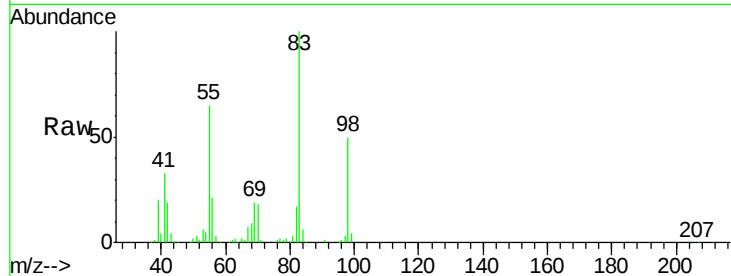




#39
Methylcyclohexane
Concen: 42.12 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

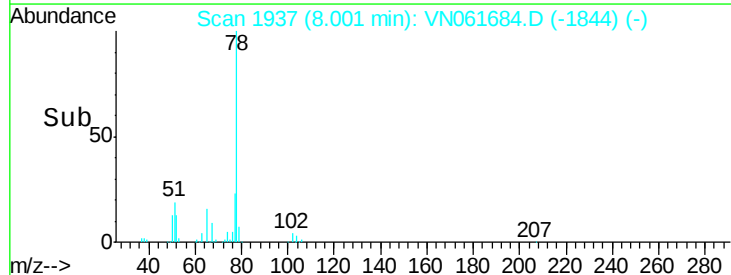
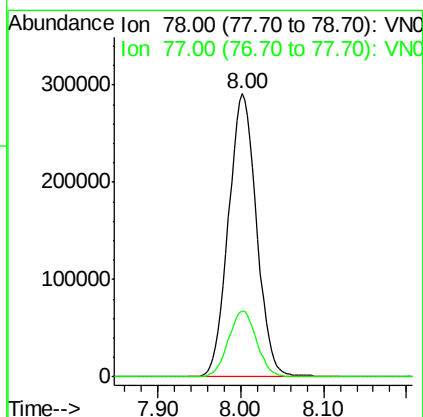
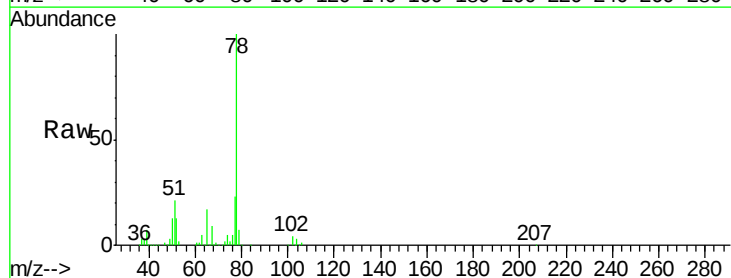
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

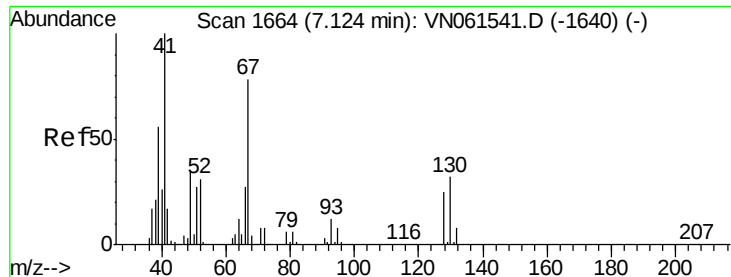
Tgt Ion: 83 Resp: 253820
Ion Ratio Lower Upper
83 100
55 65.0 54.9 82.3
98 50.3 41.0 61.4



#40
Benzene
Concen: 45.61 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion: 78 Resp: 687977
Ion Ratio Lower Upper
78 100
77 23.5 18.6 28.0

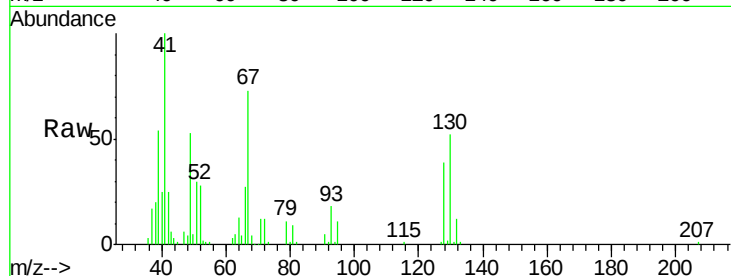




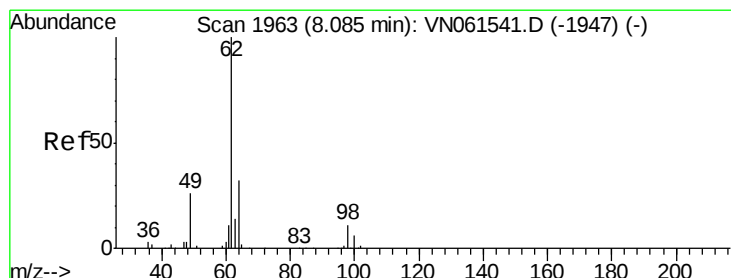
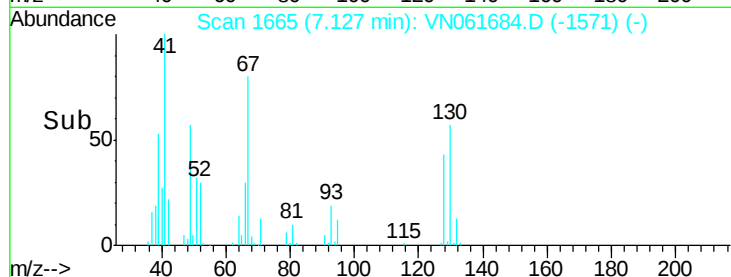
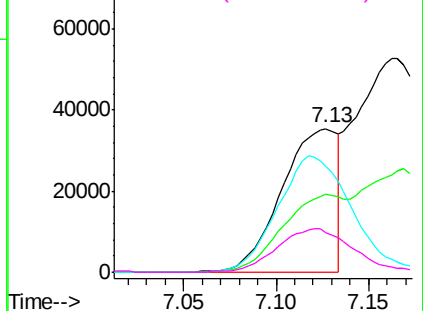
#41
Methacrylonitrile
Concen: 41.21 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 74337
Ion Ratio Lower Upper
41 100
39 58.1 53.8 80.6
67 108.4 91.1 136.7
52 41.9 36.0 54.0

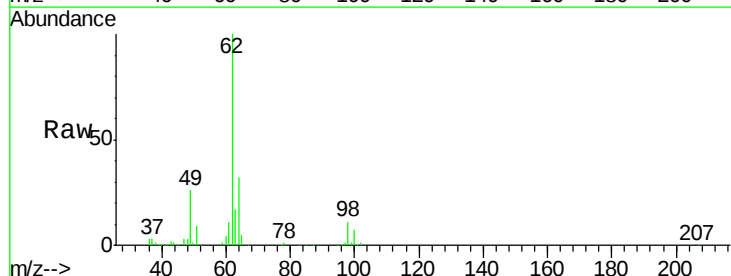


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

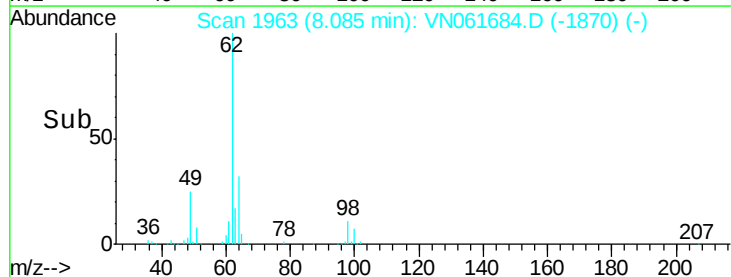
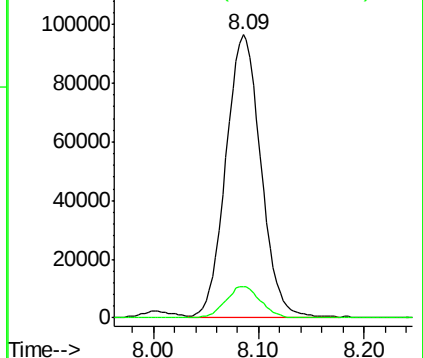


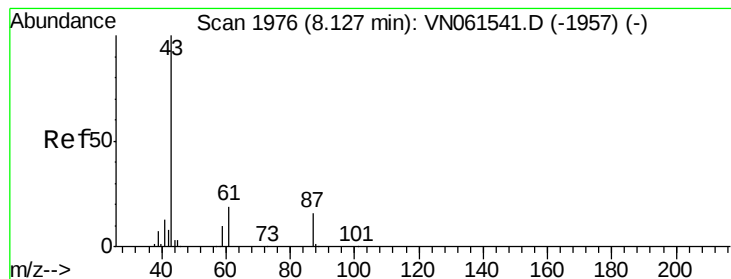
#42
1,2-Dichloroethane
Concen: 43.79 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion: 62 Resp: 221159
Ion Ratio Lower Upper
62 100
98 11.2 0.0 21.4



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





#43

Isopropyl Acetate

Concen: 40.85 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

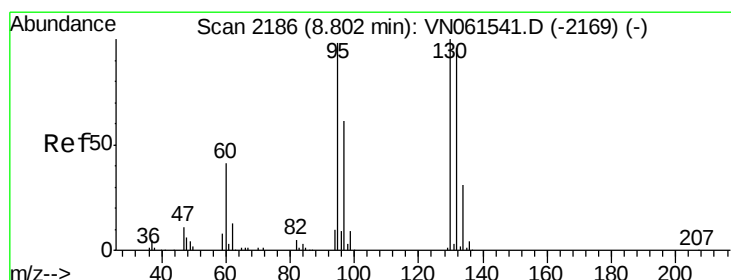
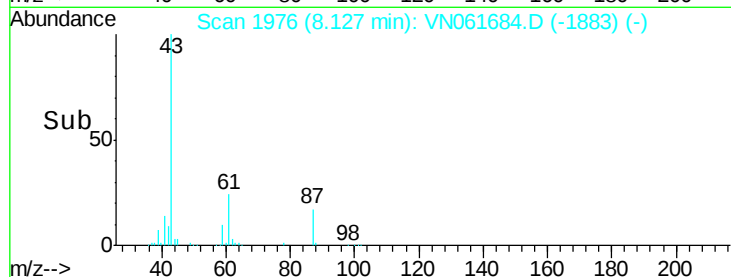
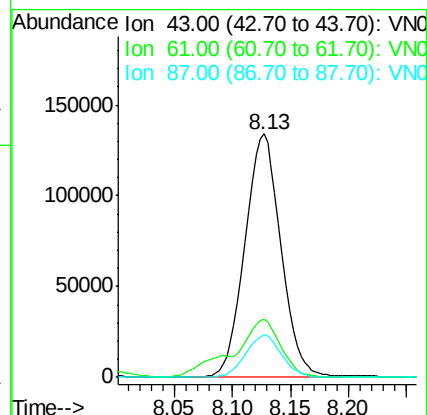
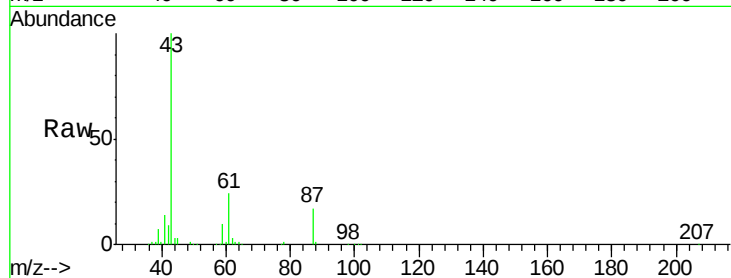
Tgt Ion: 43 Resp: 289366

Ion Ratio Lower Upper

43 100

61 23.0 23.6 35.4#

87 17.4 13.0 19.6



#44

Trichloroethene

Concen: 45.40 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061684.D

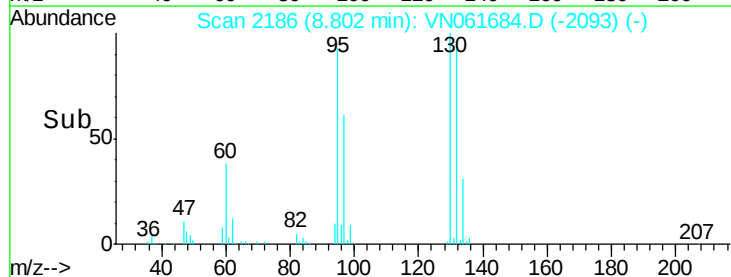
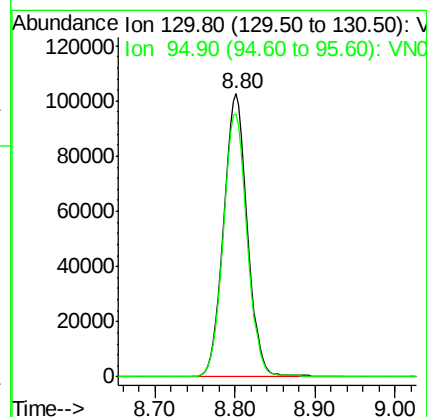
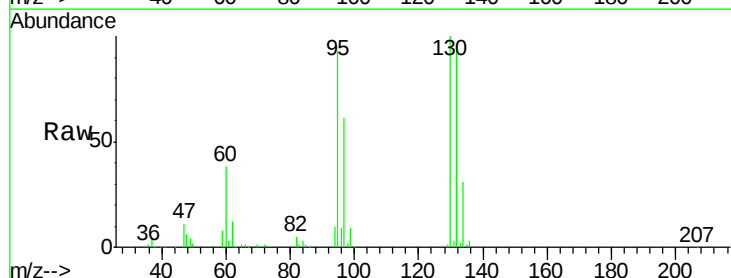
Acq: 5 Jun 2020 20:58

Tgt Ion: 130 Resp: 210473

Ion Ratio Lower Upper

130 100

95 93.0 0.0 196.6





#45

1,2-Dichloropropane

Concen: 45.67 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

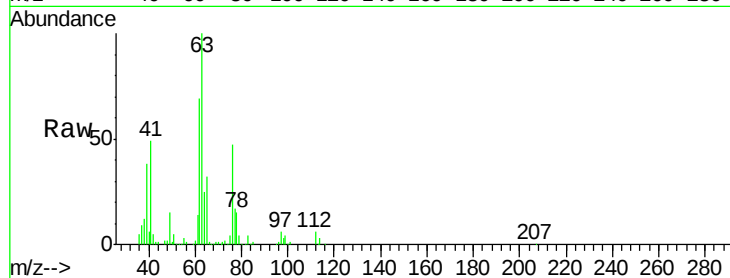
VSTDCCC050EC

Tgt Ion: 63 Resp: 163585

Ion Ratio Lower Upper

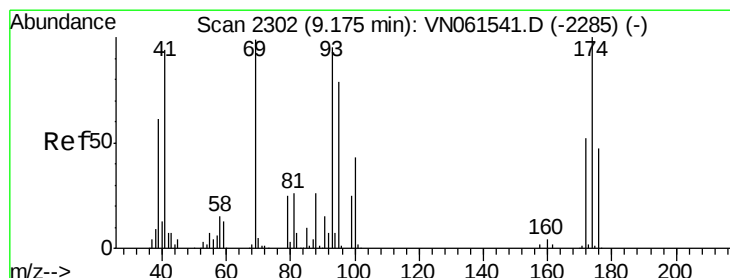
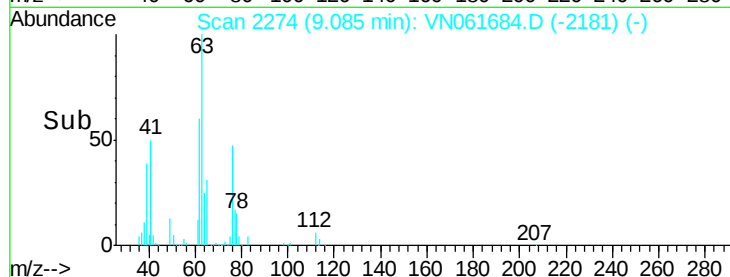
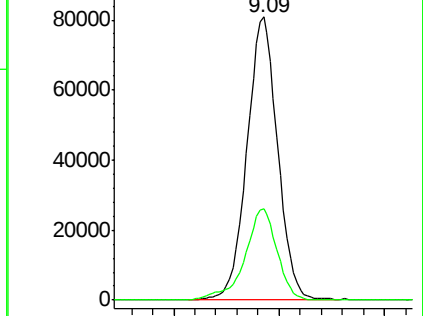
63 100

65 32.2 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 45.08 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

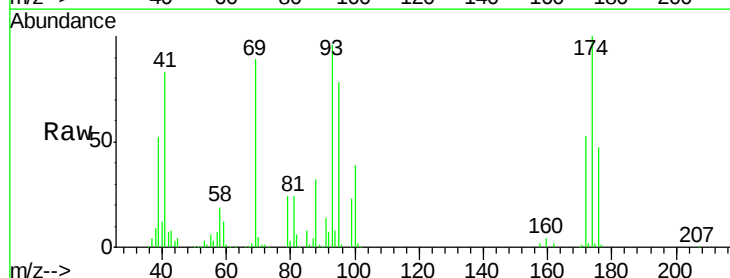
Tgt Ion: 93 Resp: 123826

Ion Ratio Lower Upper

93 100

95 84.4 66.0 99.0

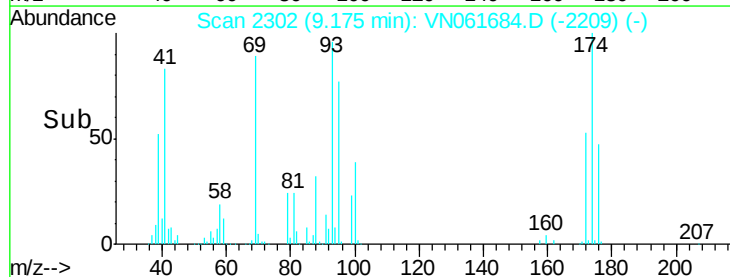
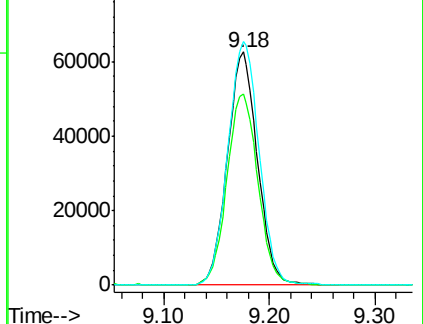
174 108.4 82.5 123.7



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





#47

Bromodichloromethane

Concen: 46.31 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

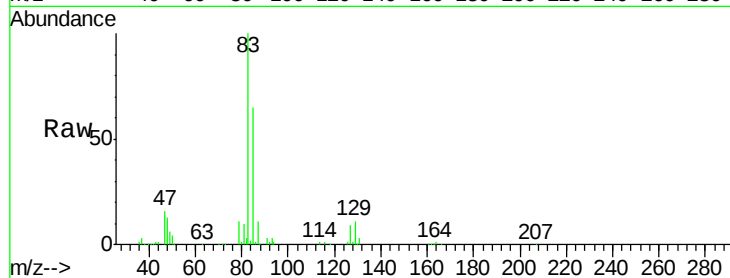
Tgt Ion: 83 Resp: 252071

Ion Ratio Lower Upper

83 100

85 65.1 51.1 76.7

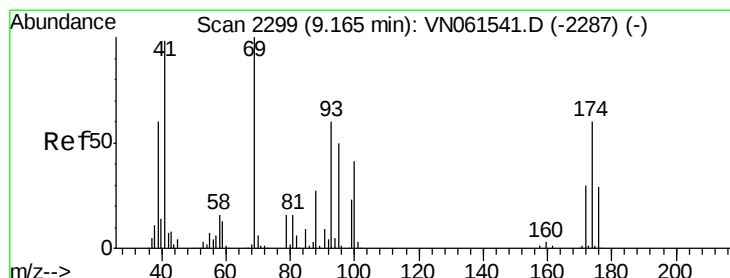
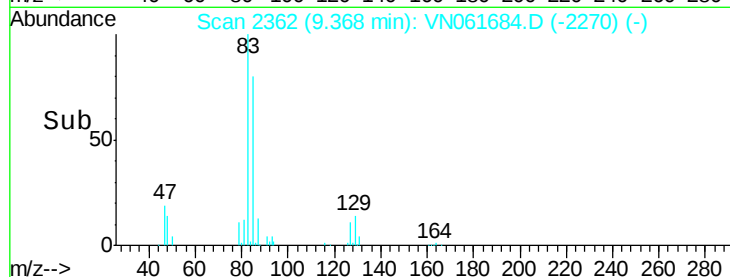
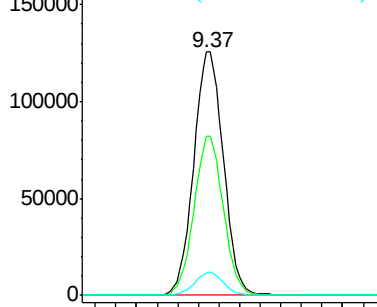
127 9.2 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 39.93 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

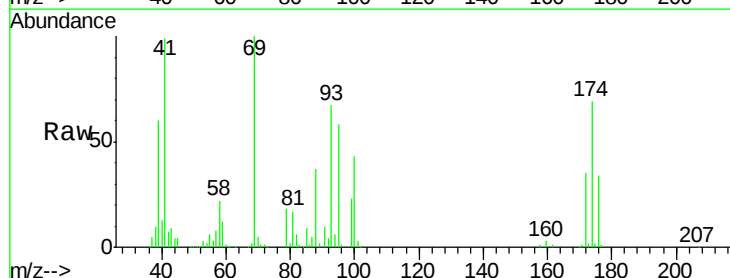
Tgt Ion: 41 Resp: 127265

Ion Ratio Lower Upper

41 100

69 109.2 83.9 125.9

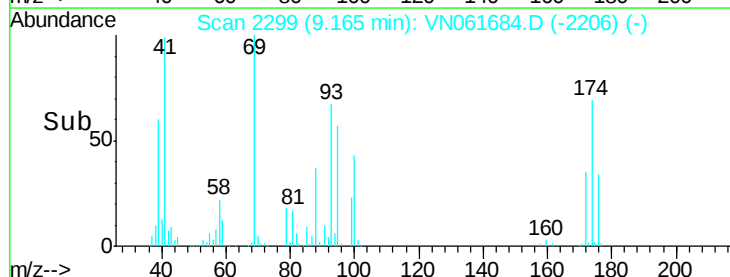
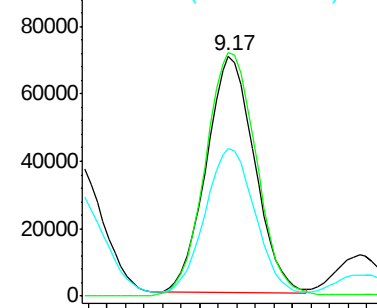
39 65.5 52.1 78.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

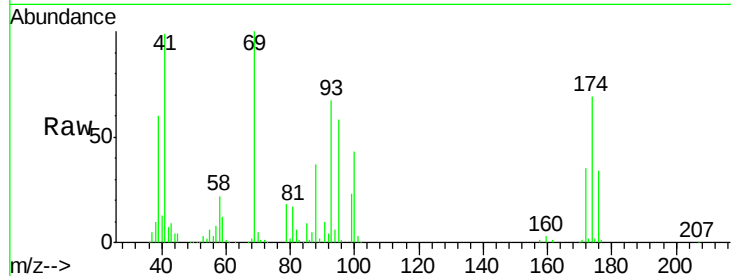




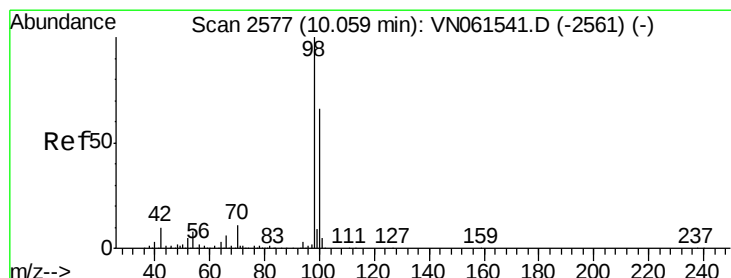
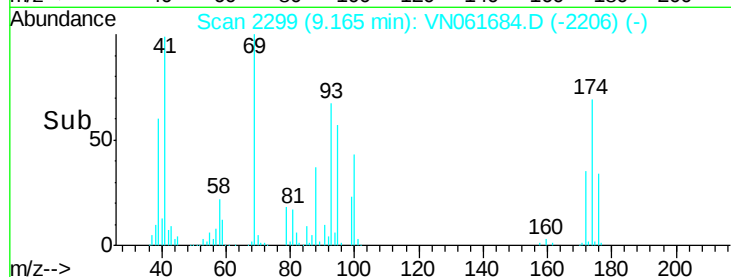
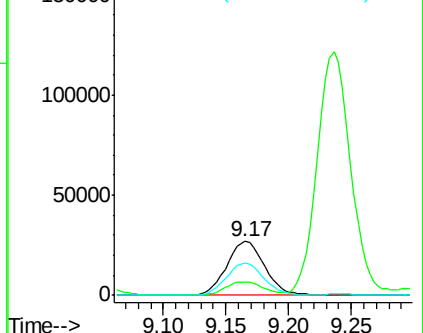
#49
 1,4-Dioxane
 Concen: 1147.83 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 88 Resp: 56676
 Ion Ratio Lower Upper
 88 100
 43 26.0 23.1 34.7
 58 59.1 48.3 72.5

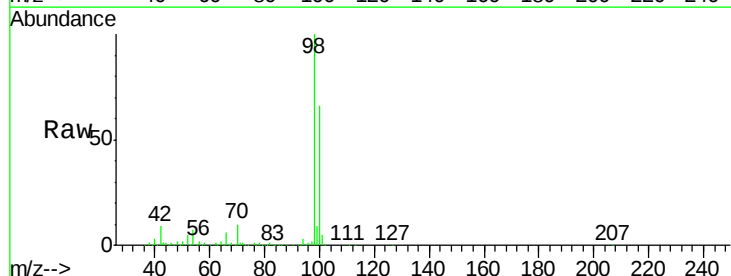


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

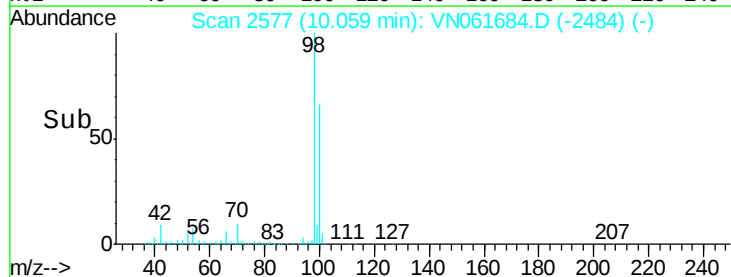
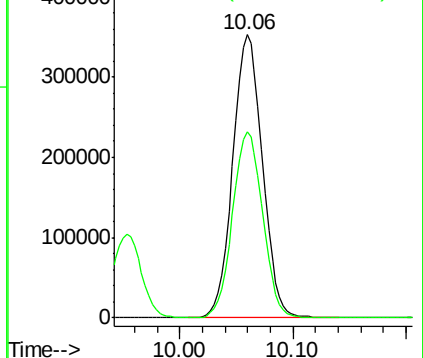


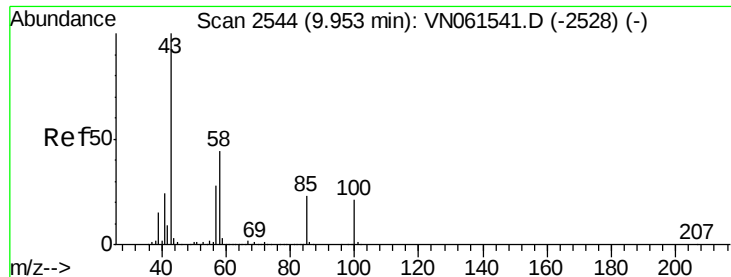
#50
 Toluene-d8
 Concen: 49.59 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion: 98 Resp: 643782
 Ion Ratio Lower Upper
 98 100
 100 67.0 52.8 79.2



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

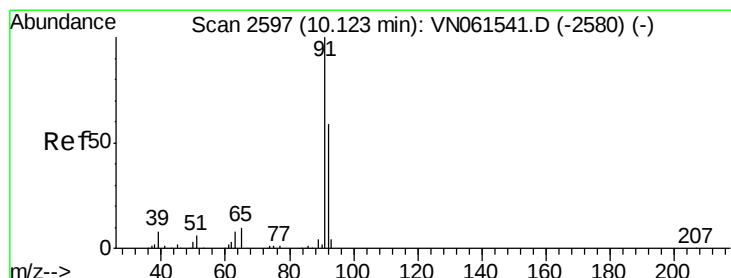
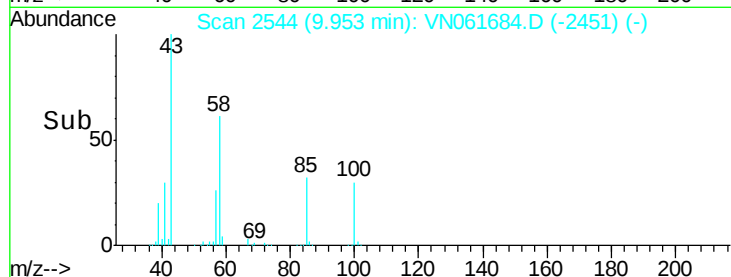
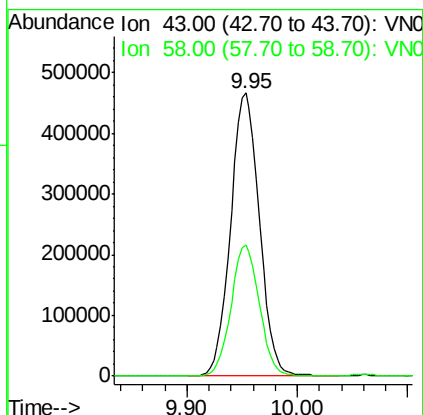
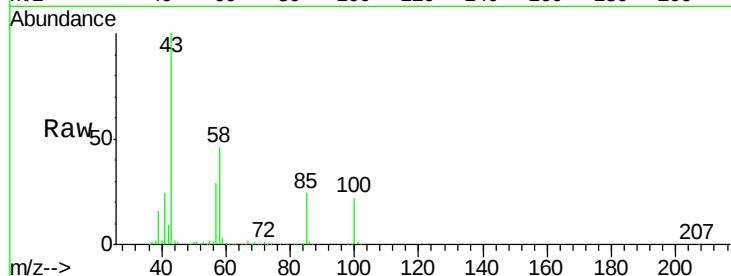




#51
 4-Methyl-2-Pentanone
 Concen: 211.30 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

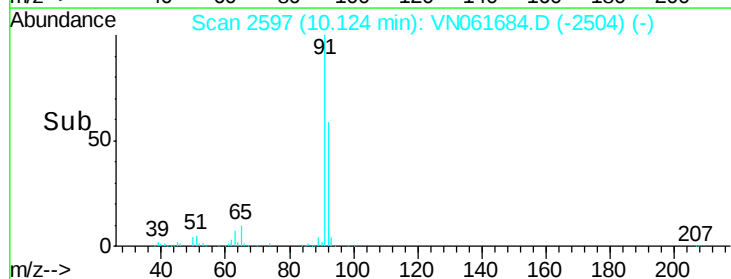
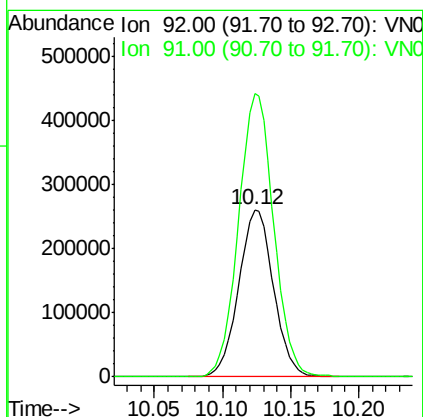
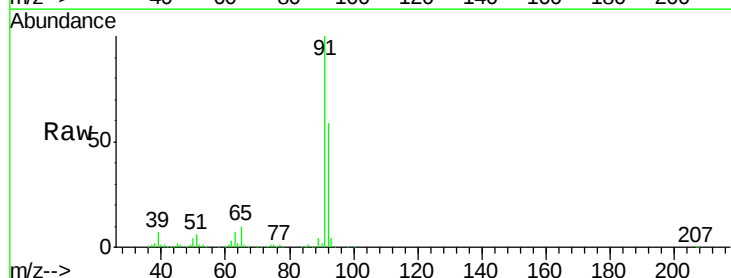
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

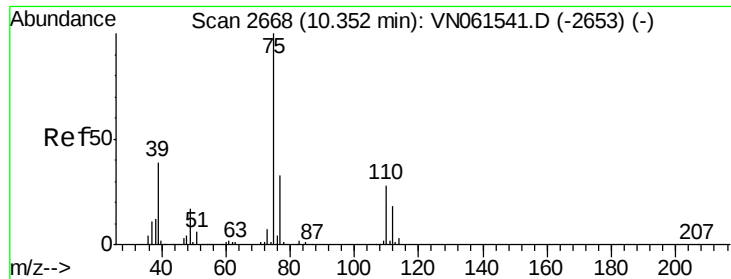
Tgt Ion: 43 Resp: 843527
 Ion Ratio Lower Upper
 43 100
 58 45.6 35.0 52.6



#52
 Toluene
 Concen: 46.92 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion: 92 Resp: 461910
 Ion Ratio Lower Upper
 92 100
 91 171.0 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 44.60 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

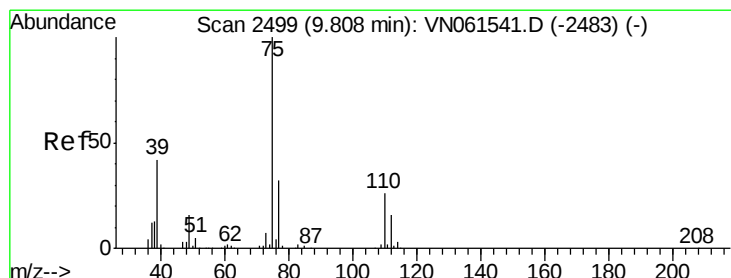
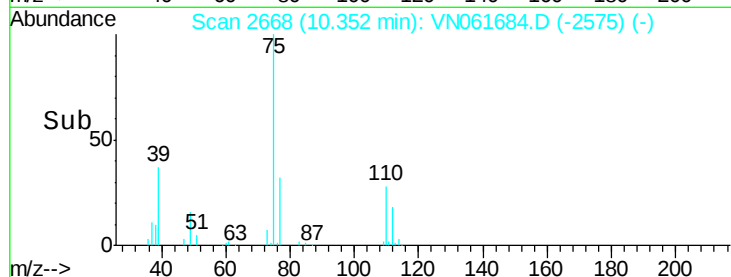
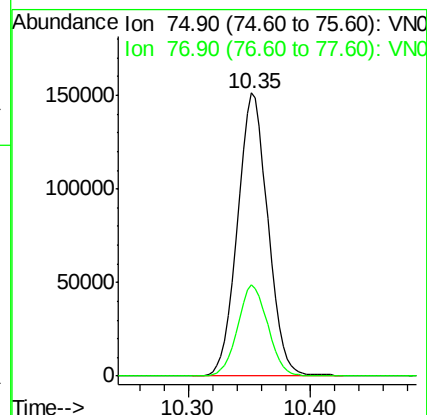
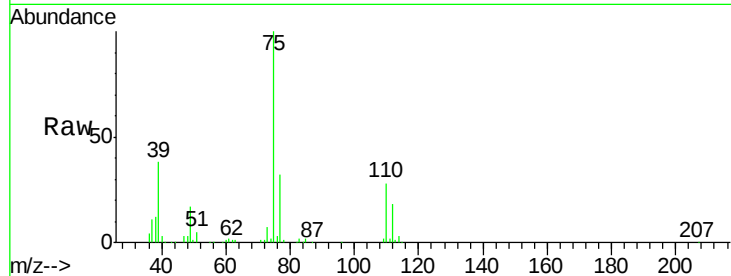
VSTDCCC050EC

Tgt Ion: 75 Resp: 261485

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 44.82 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

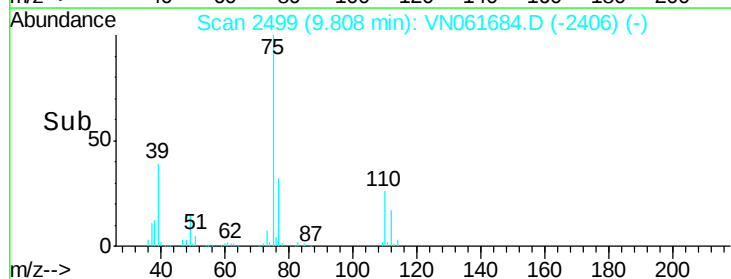
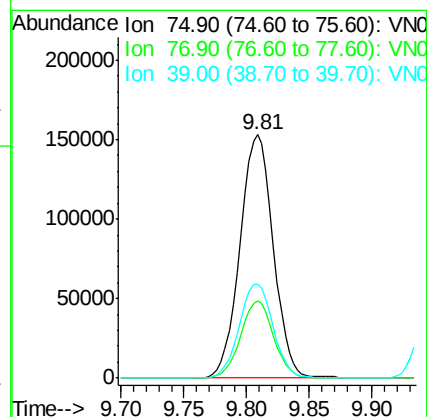
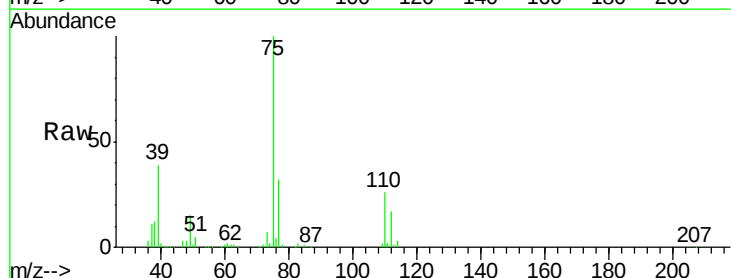
Tgt Ion: 75 Resp: 282573

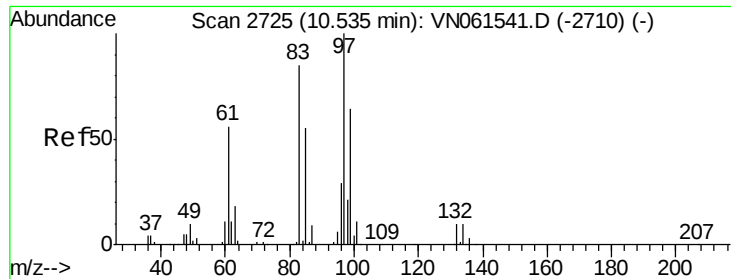
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

39 38.7 33.8 50.6

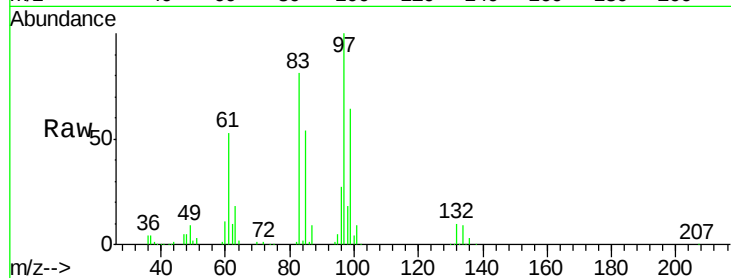




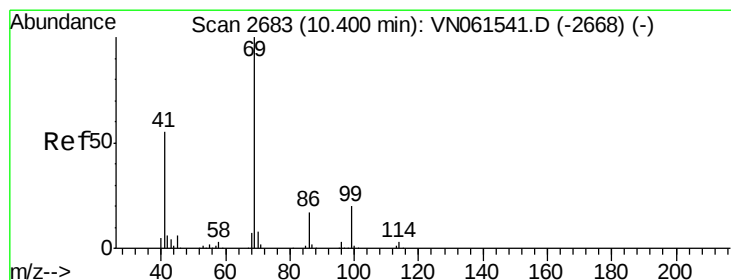
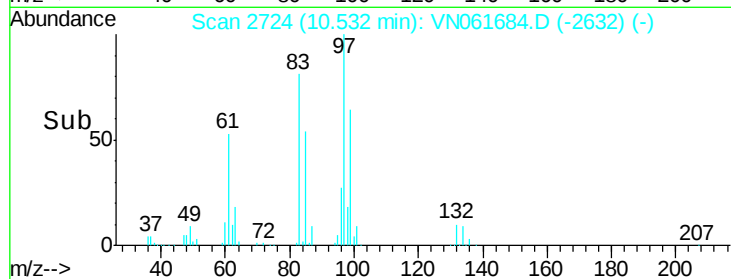
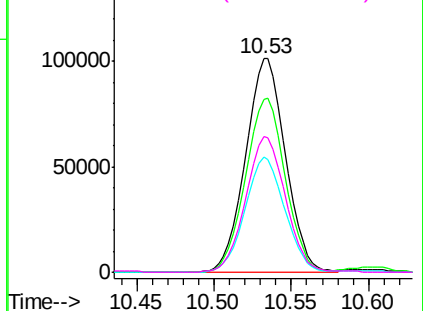
#55
 1,1,2-Trichloroethane
 Concen: 46.48 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	182333
Ion	Ratio	Lower	Upper
97	100		
83	81.1	68.1	102.1
85	54.1	44.1	66.1
99	63.7	51.1	76.7

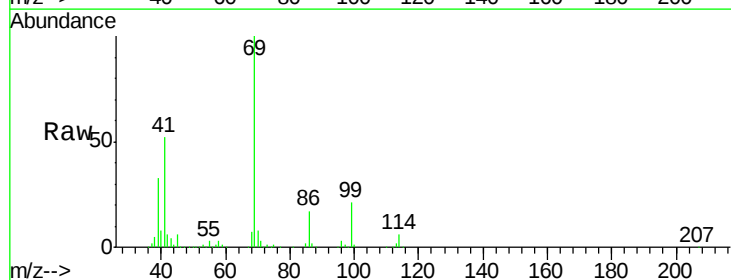


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

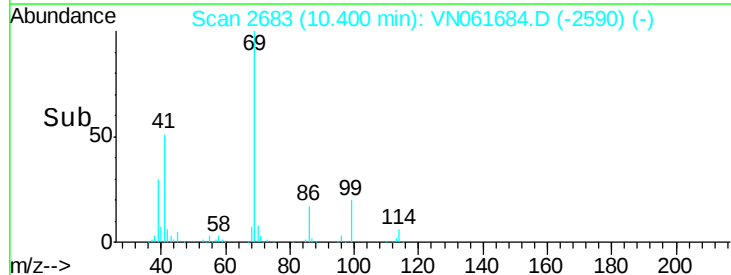
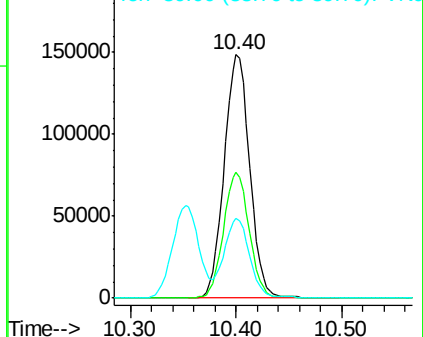


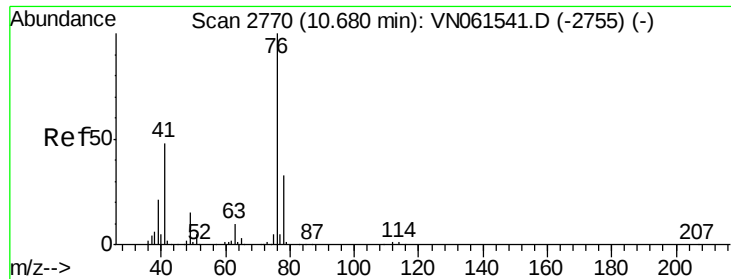
#56
 Ethyl methacrylate
 Concen: 45.42 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion:	69	Resp:	248880
Ion	Ratio	Lower	Upper
69	100		
41	51.9	43.5	65.3
39	32.5	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

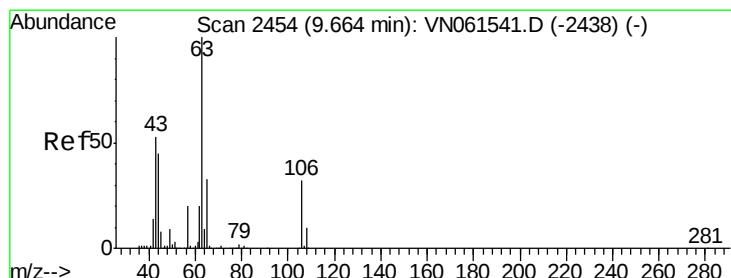
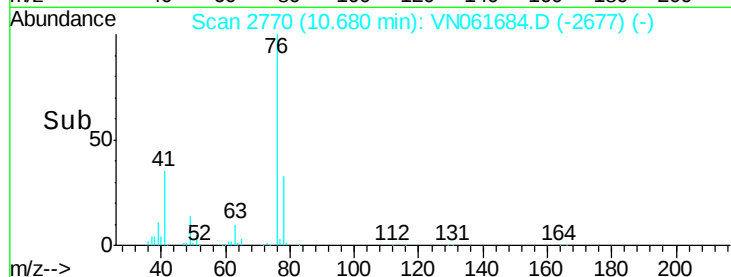
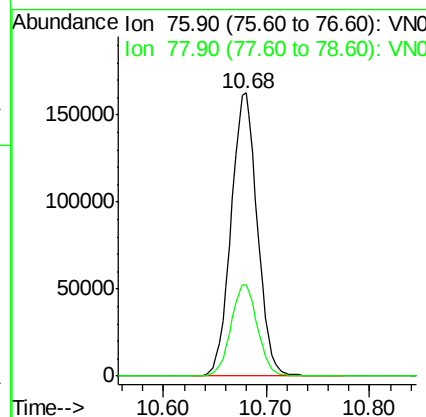
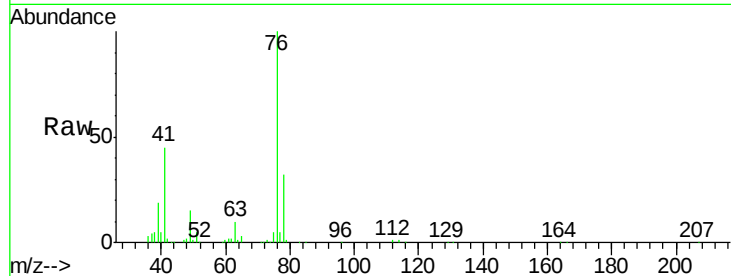




#57
 1,3-Dichloropropane
 Concen: 46.02 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

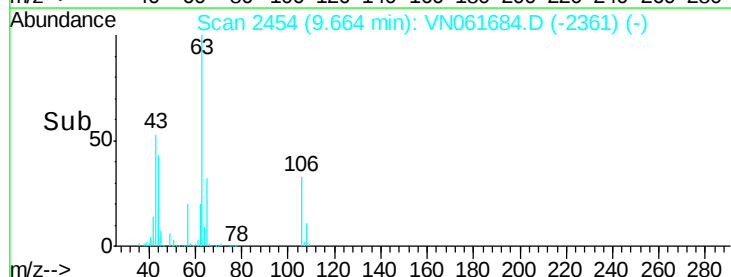
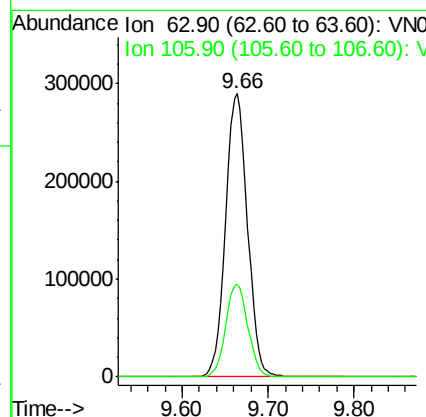
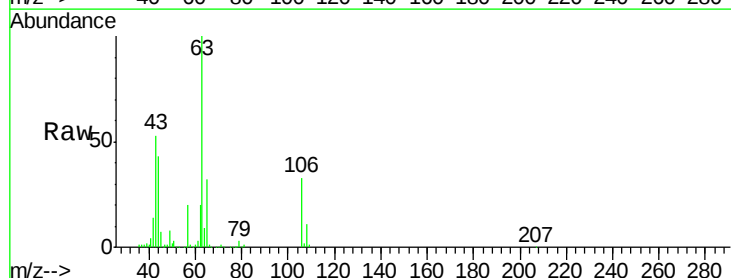
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

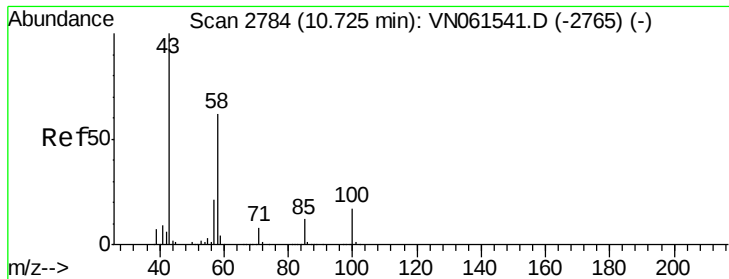
Tgt Ion: 76 Resp: 288672
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 219.57 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion: 63 Resp: 514127
 Ion Ratio Lower Upper
 63 100
 106 33.1 25.9 38.9

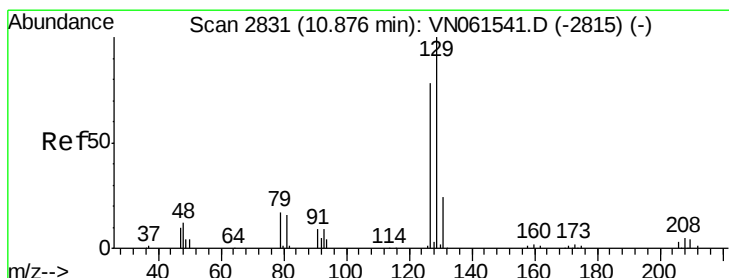
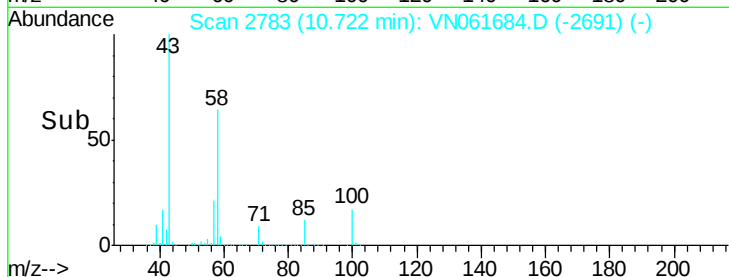
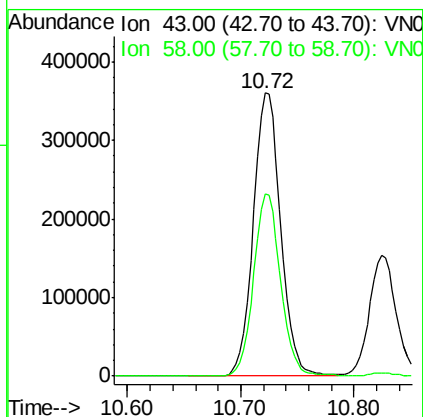
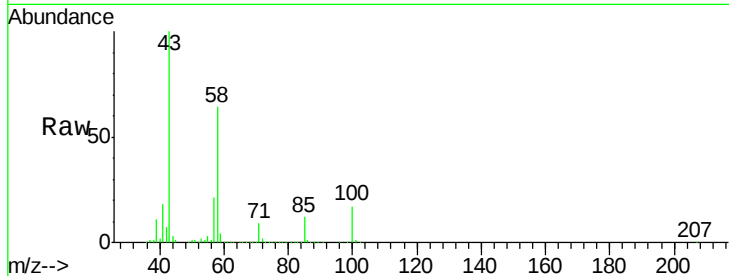




#59
2-Hexanone
Concen: 211.22 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

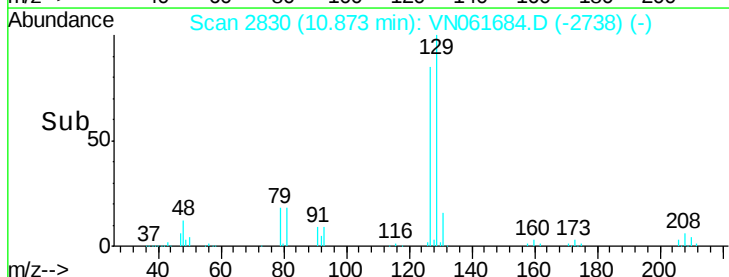
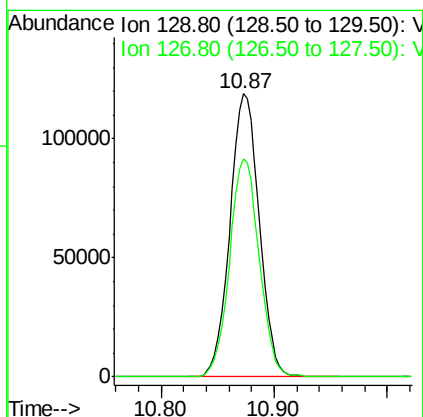
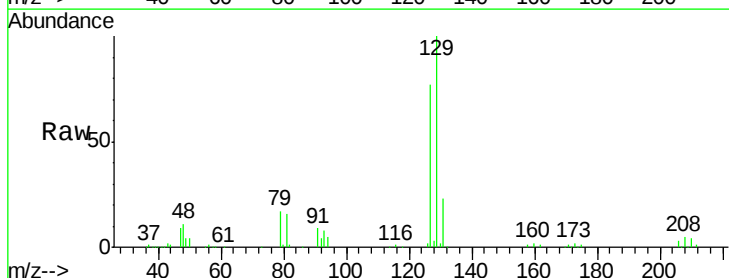
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

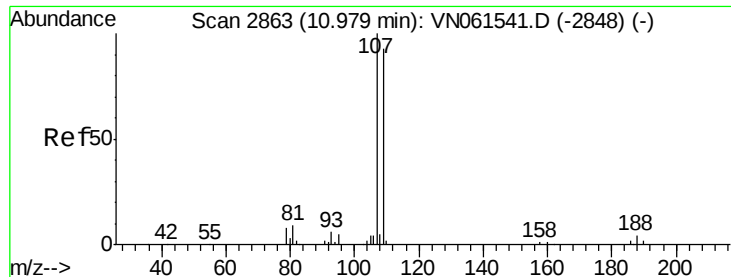
Tgt Ion: 43 Resp: 605590
Ion Ratio Lower Upper
43 100
58 63.4 30.7 92.1



#60
Dibromochloromethane
Concen: 48.23 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion: 129 Resp: 215072
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.3





#61

1,2-Dibromoethane

Concen: 47.76 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

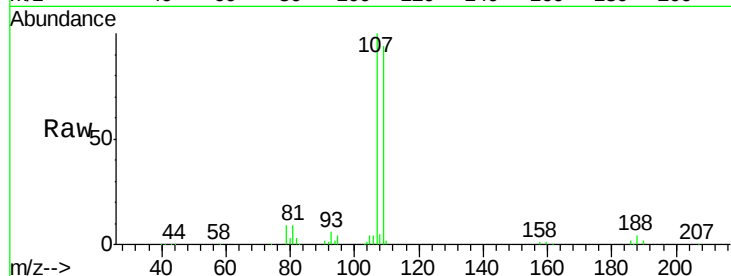
VSTDCCC050EC

Tgt Ion: 107 Resp: 195396

Ion Ratio Lower Upper

107 100

109 93.5 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

120000

100000

80000

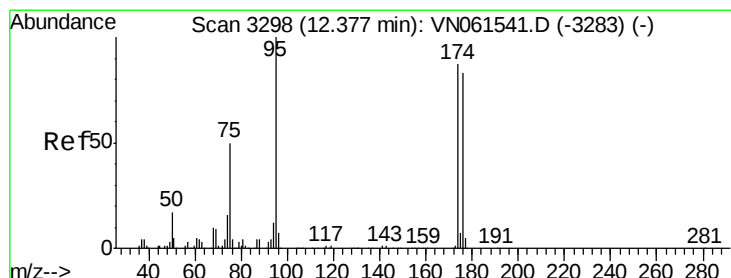
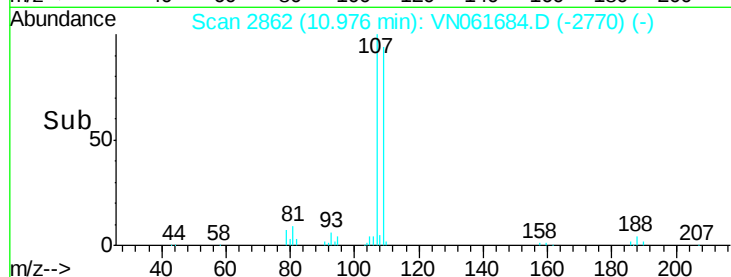
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.99 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

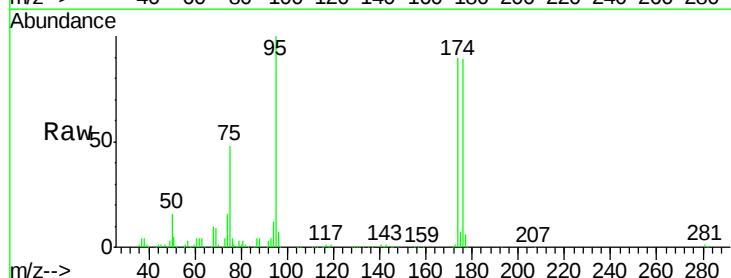
Tgt Ion: 95 Resp: 236752

Ion Ratio Lower Upper

95 100

174 90.5 0.0 172.8

176 88.4 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.38

200000

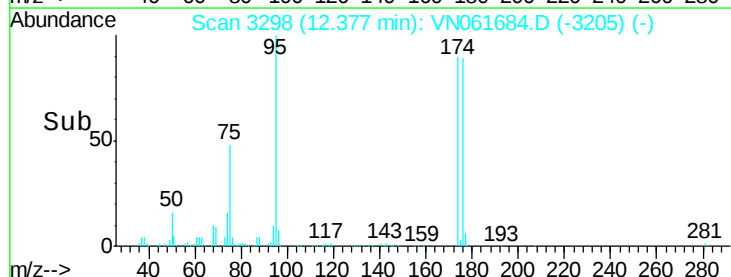
150000

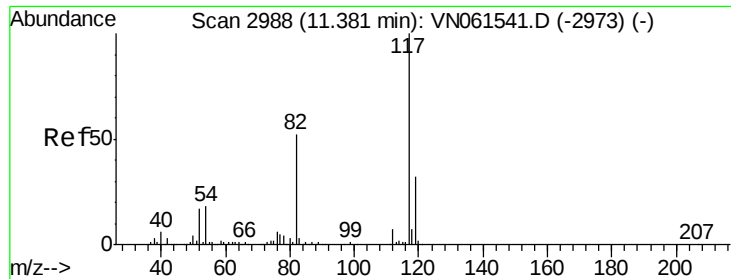
100000

50000

0

Time-->

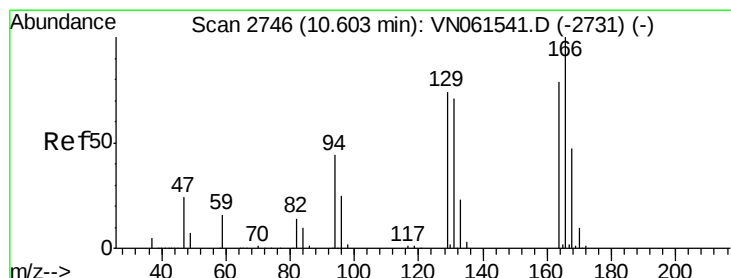
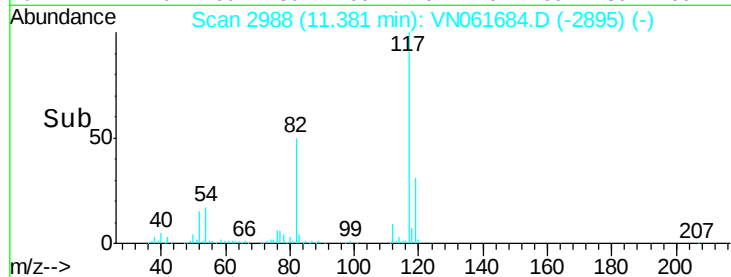
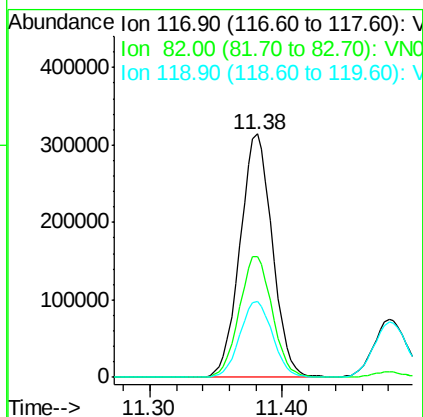
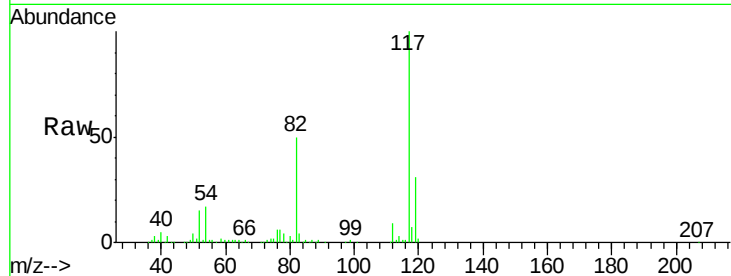




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

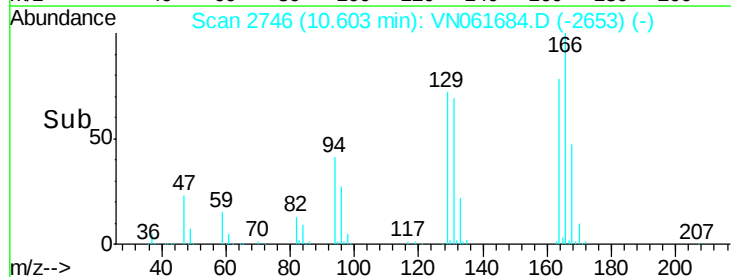
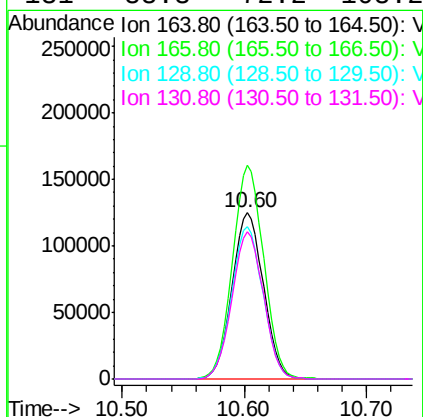
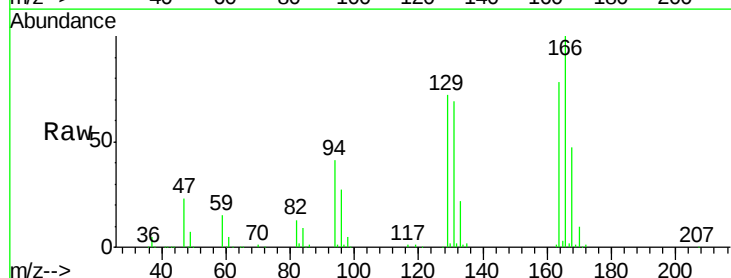
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 531477
Ion Ratio Lower Upper
117 100
82 49.7 41.5 62.3
119 31.3 25.6 38.4



#64
Tetrachloroethene
Concen: 44.69 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion:164 Resp: 223556
Ion Ratio Lower Upper
164 100
166 128.5 101.5 152.3
129 92.1 74.9 112.3
131 88.3 72.2 108.2

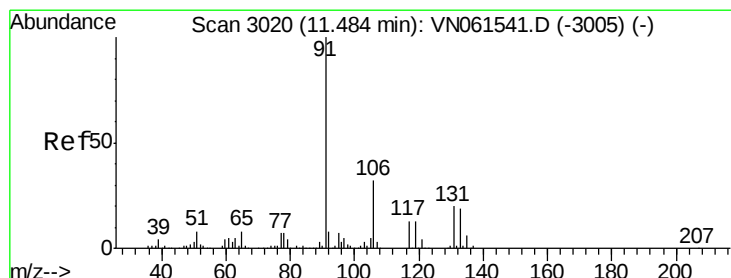
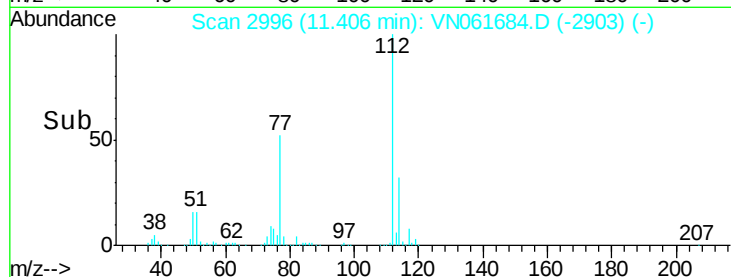
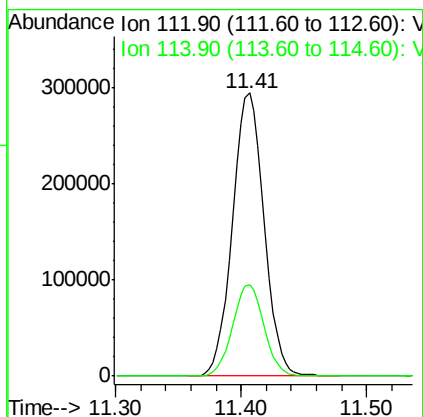
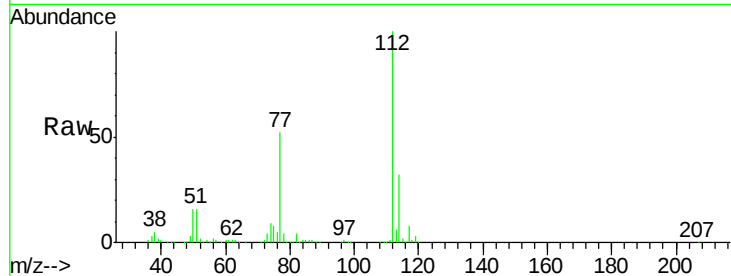




#65
Chlorobenzene
Concen: 46.56 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

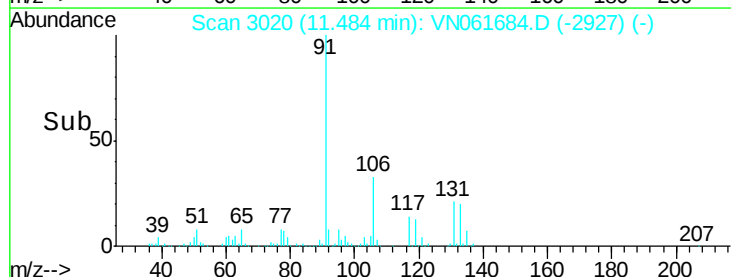
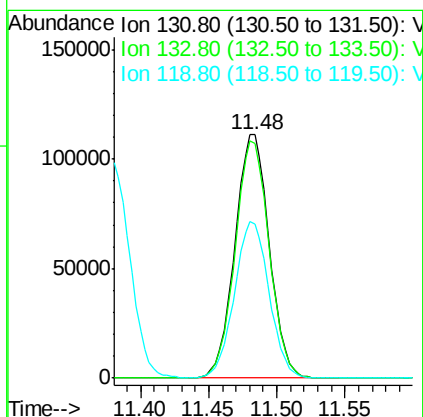
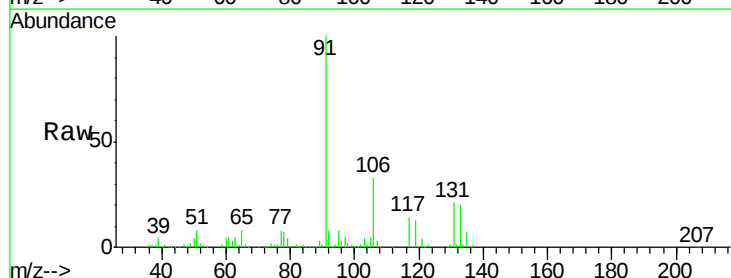
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 514315
Ion Ratio Lower Upper
112 100
114 32.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 47.21 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion:131 Resp: 194194
Ion Ratio Lower Upper
131 100
133 96.5 47.4 142.2
119 64.9 32.6 97.8

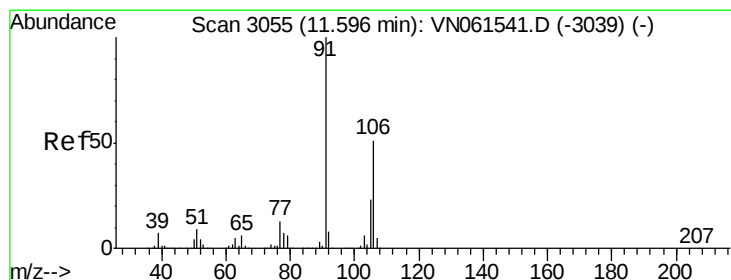
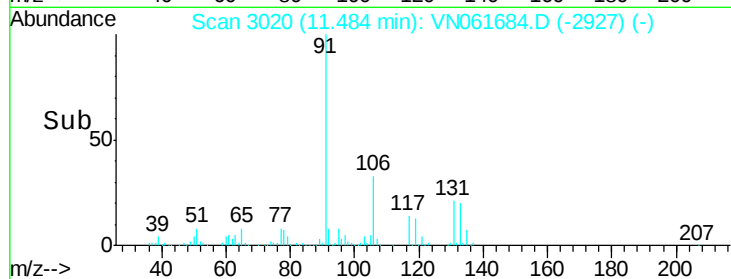
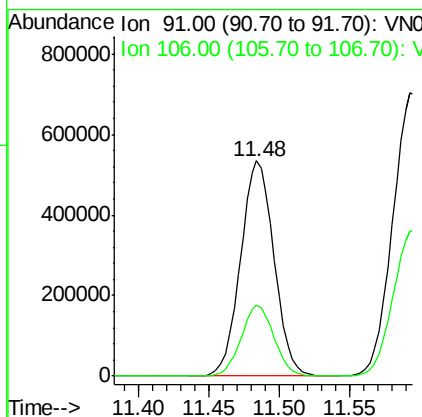
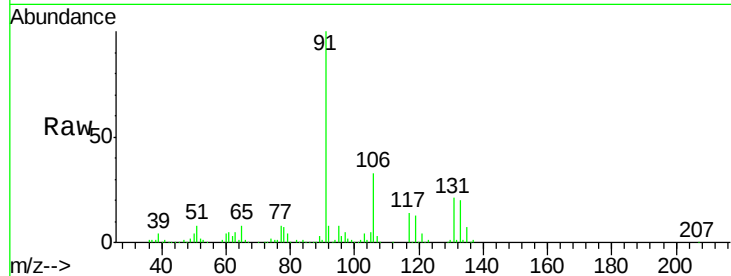




#67
Ethyl Benzene
Concen: 46.46 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

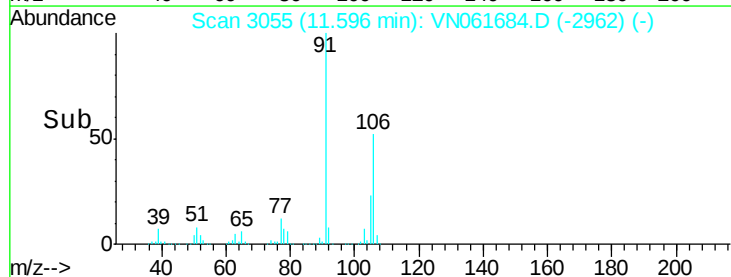
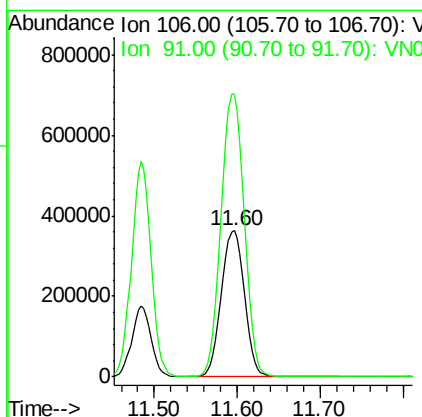
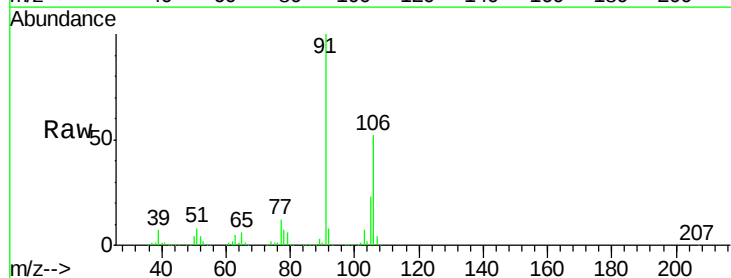
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 887129
Ion Ratio Lower Upper
91 100
106 32.7 25.6 38.4



#68
m/p-Xylenes
Concen: 92.98 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion: 106 Resp: 703941
Ion Ratio Lower Upper
106 100
91 193.8 156.2 234.4

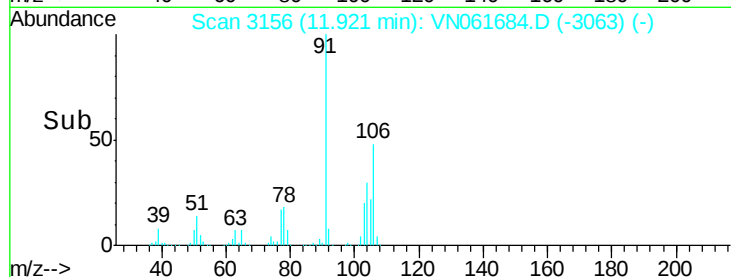
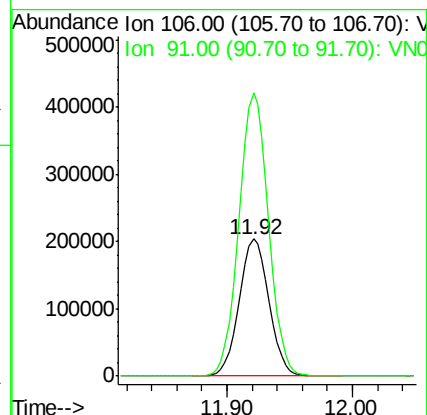
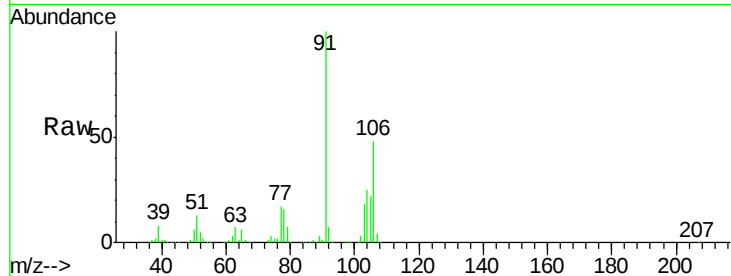




#69
o-Xylene
Concen: 46.94 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

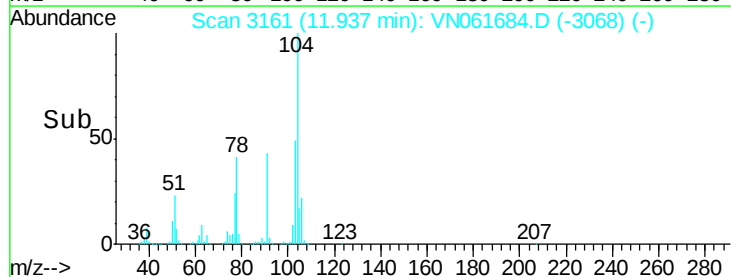
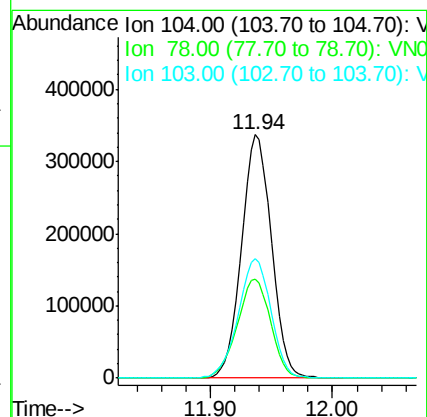
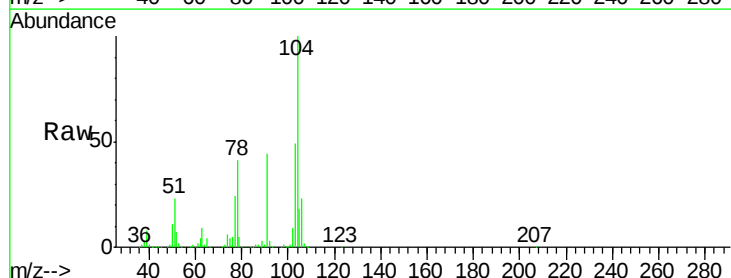
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

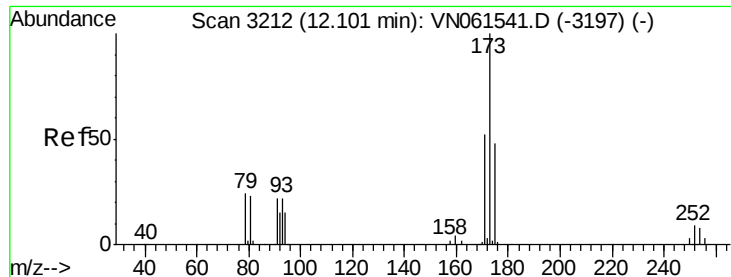
Tgt Ion:106 Resp: 337559
Ion Ratio Lower Upper
106 100
91 204.5 103.3 309.8



#70
Styrene
Concen: 47.98 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion:104 Resp: 571352
Ion Ratio Lower Upper
104 100
78 45.8 37.4 56.0
103 54.0 42.3 63.5

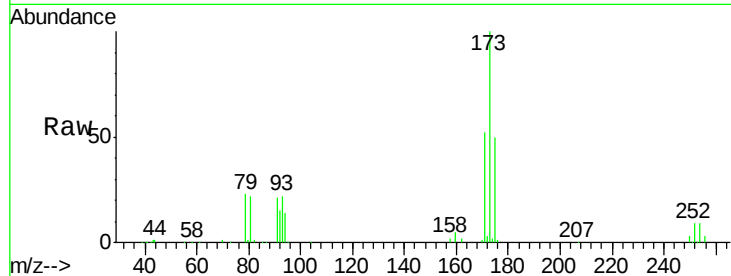




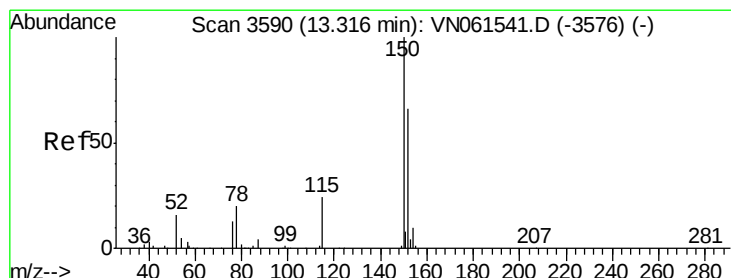
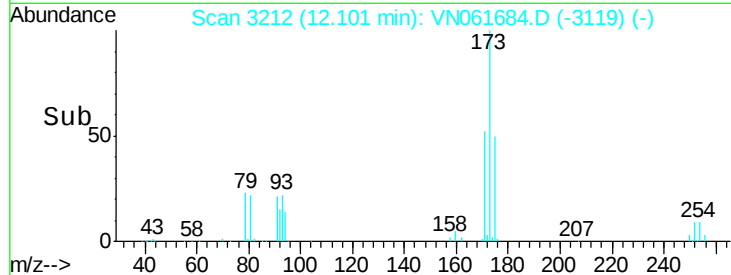
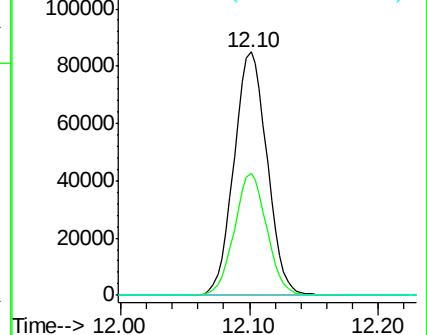
#71
Bromoform
Concen: 47.81 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 151555
Ion Ratio Lower Upper
173 100
175 48.9 24.4 73.2
254 0.0 0.0 0.0

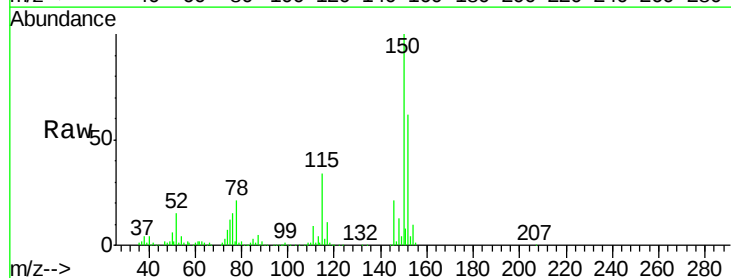


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

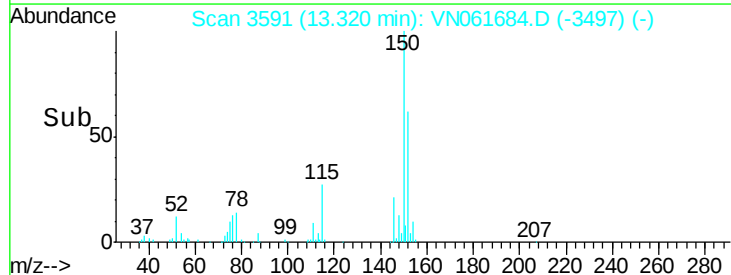
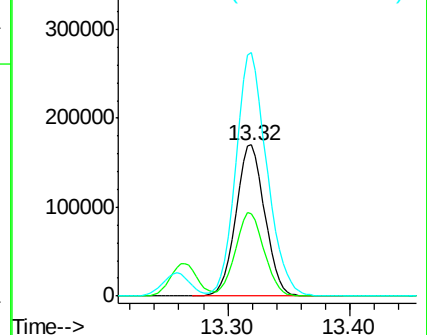


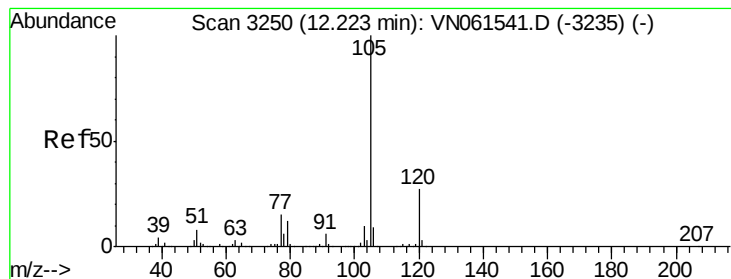
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion:152 Resp: 278799
Ion Ratio Lower Upper
152 100
115 55.1 28.0 84.0
150 172.7 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: 44.10 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

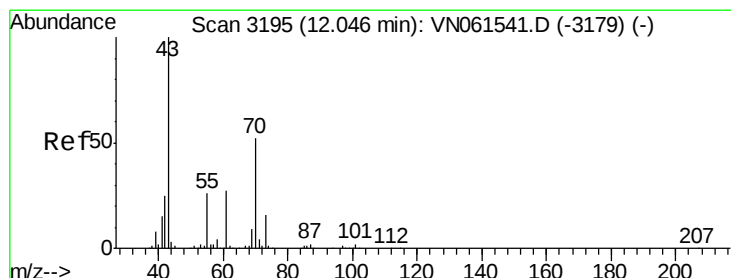
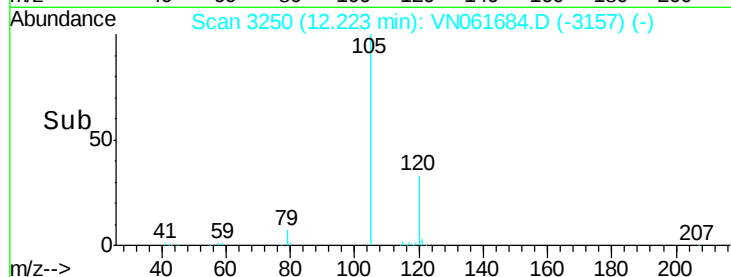
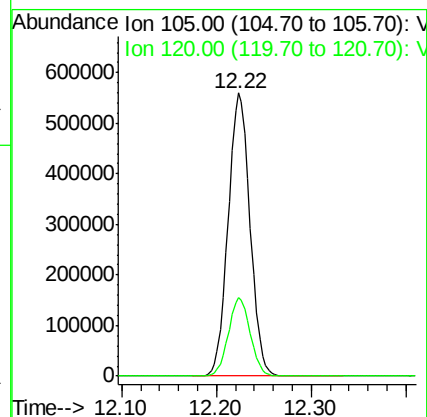
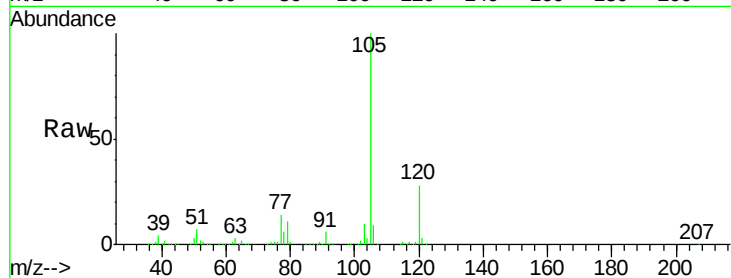
VSTDCCC050EC

Tgt Ion: 105 Resp: 897350

Ion Ratio Lower Upper

105 100

120 27.6 13.8 41.3



#74

N-ethyl acetate

Concen: 39.45 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Tgt Ion: 43 Resp: 252810

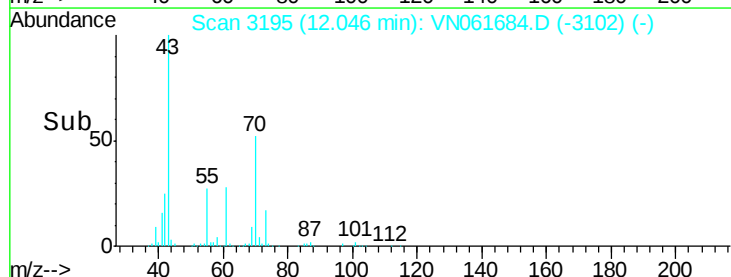
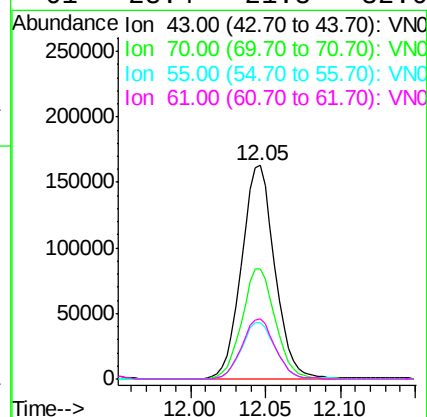
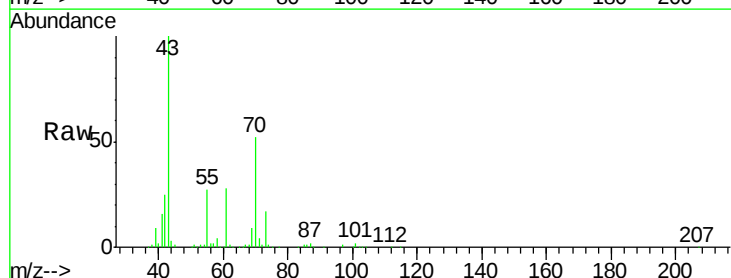
Ion Ratio Lower Upper

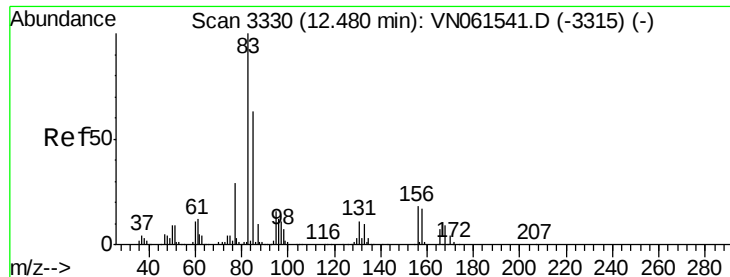
43 100

70 52.2 40.5 60.7

55 27.3 20.6 31.0

61 28.4 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 41.40 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

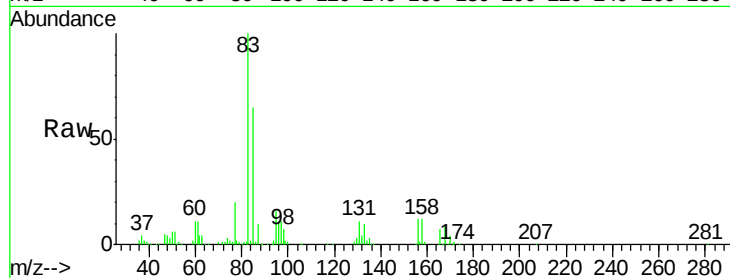
Tgt Ion: 83 Resp: 236075

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.5

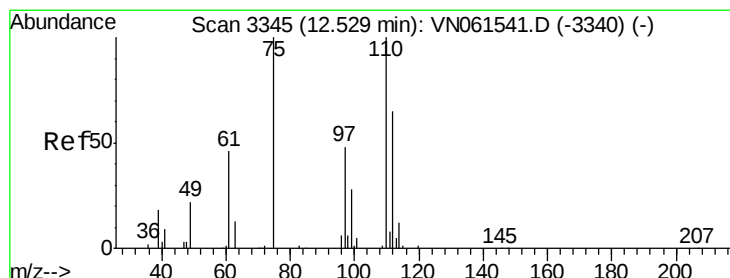
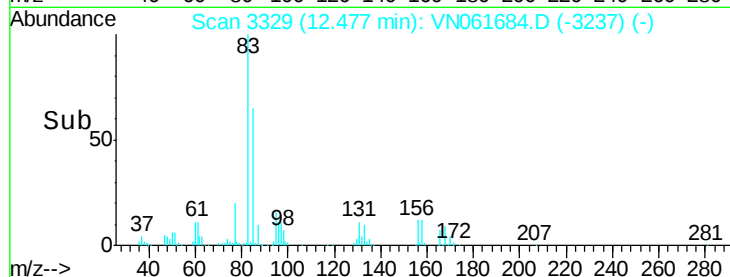
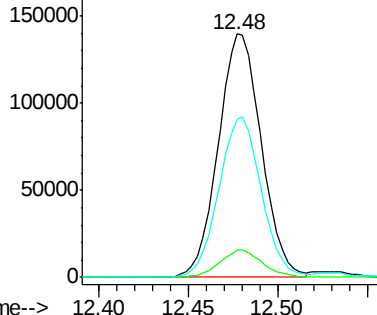
85 65.0 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN061541.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN061541.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN061541.D (-3315) (-)



#76

1,2,3-Trichloropropane

Concen: 60.40 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061684.D

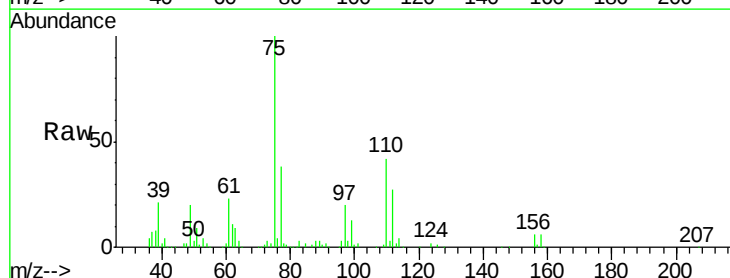
Acq: 5 Jun 2020 20:58

Tgt Ion: 75 Resp: 306216

Ion Ratio Lower Upper

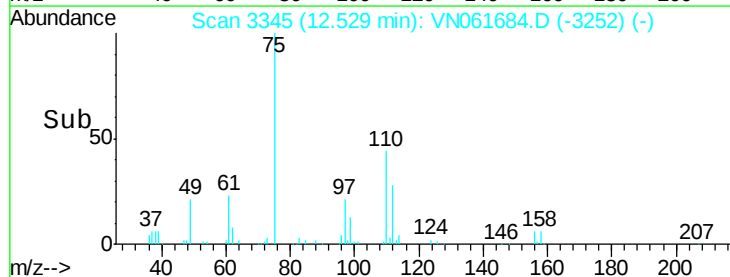
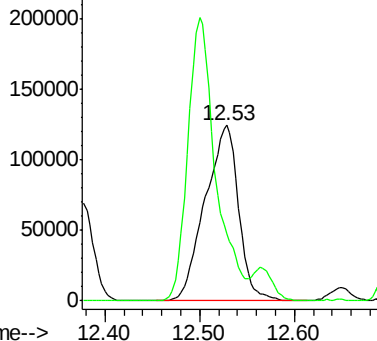
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061541.D (-3340) (-)





#77

Bromobenzene

Concen: 45.82 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

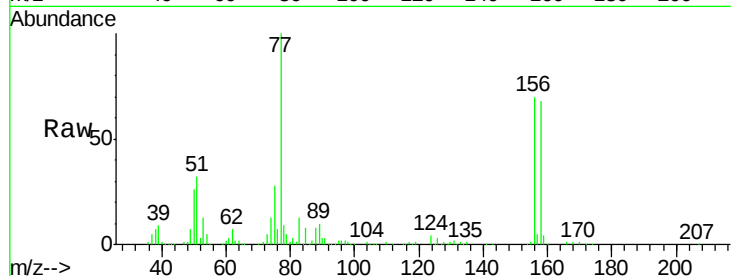
Tgt Ion:156 Resp: 237998

Ion Ratio Lower Upper

156 100

77 173.0 90.9 272.7

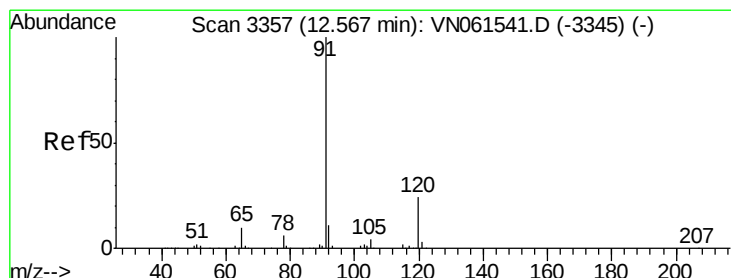
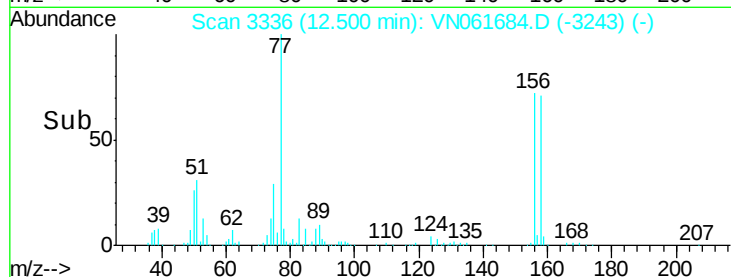
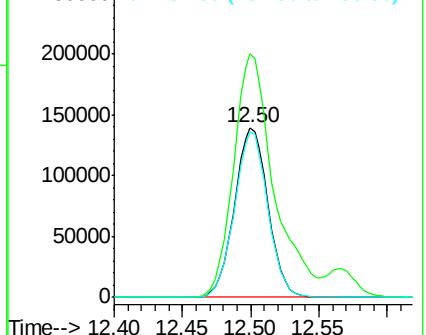
158 96.8 48.4 145.3



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: 44.06 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061684.D

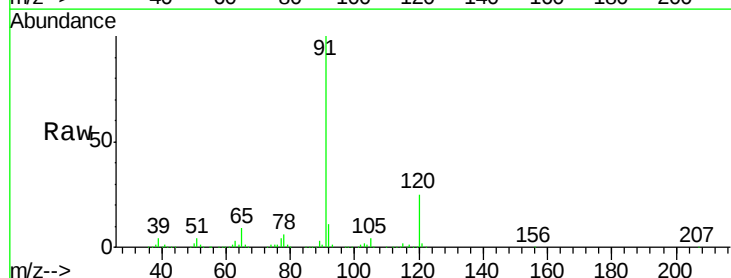
Acq: 5 Jun 2020 20:58

Tgt Ion: 91 Resp: 1000946

Ion Ratio Lower Upper

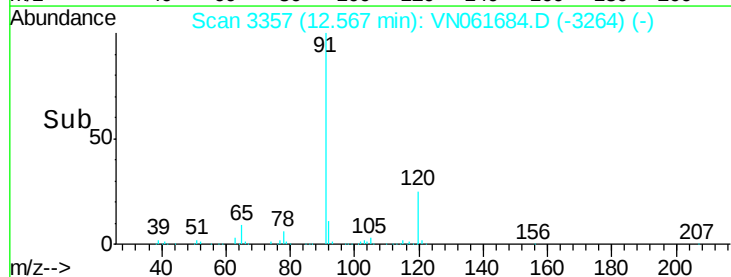
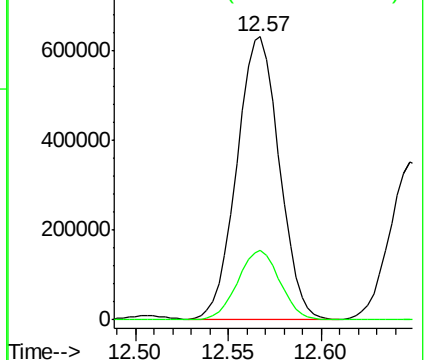
91 100

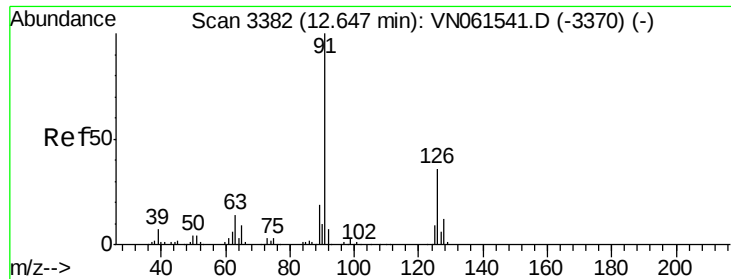
120 24.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.10 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

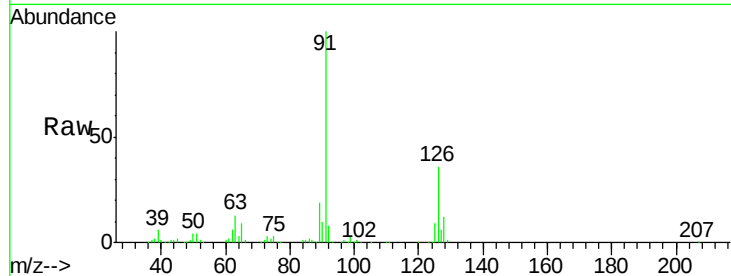
VSTDCCC050EC

Tgt Ion: 91 Resp: 583849

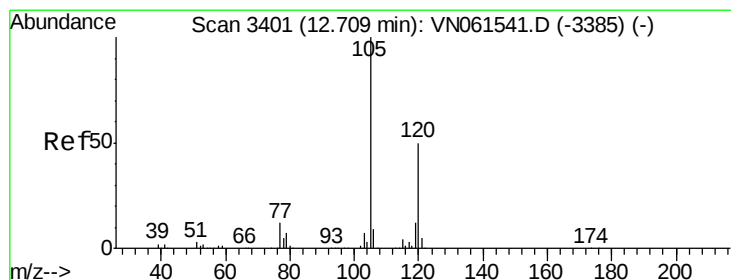
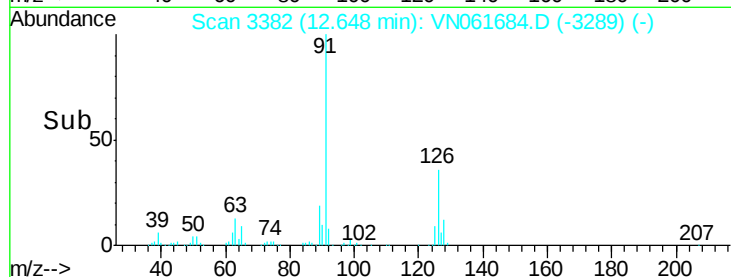
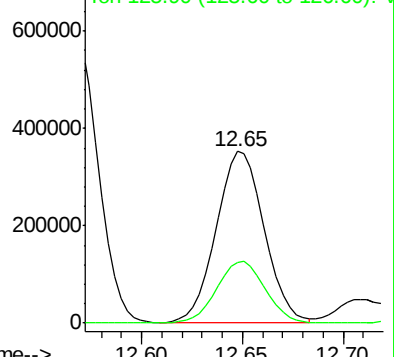
Ion Ratio Lower Upper

91 100

126 36.7 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN061684.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 44.07 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061684.D

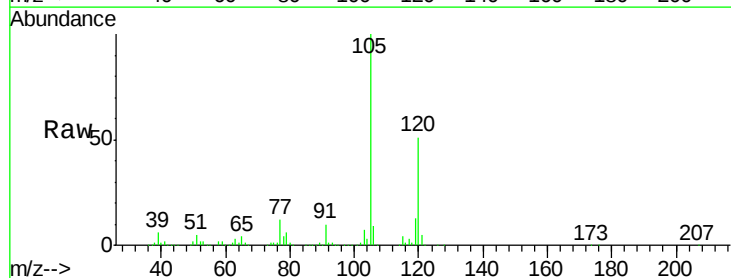
Acq: 5 Jun 2020 20:58

Tgt Ion: 105 Resp: 749557

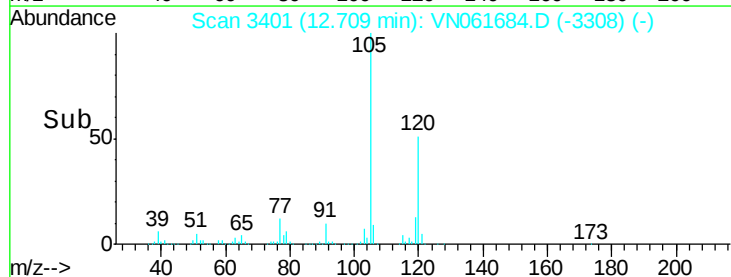
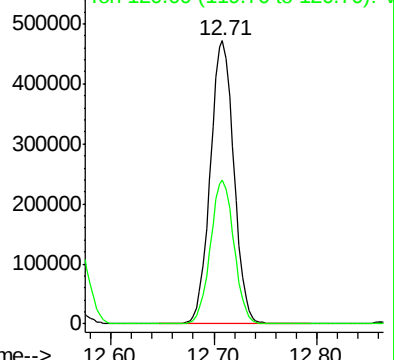
Ion Ratio Lower Upper

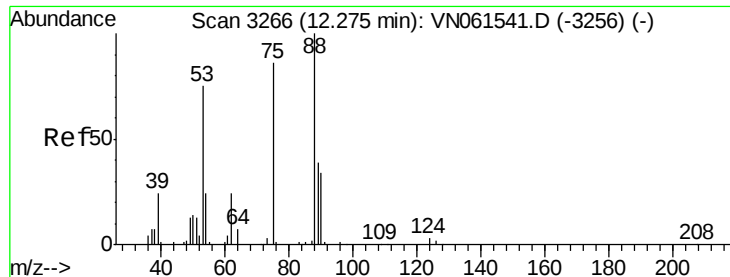
105 100

120 50.9 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061684.D (-3398) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 37.71 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

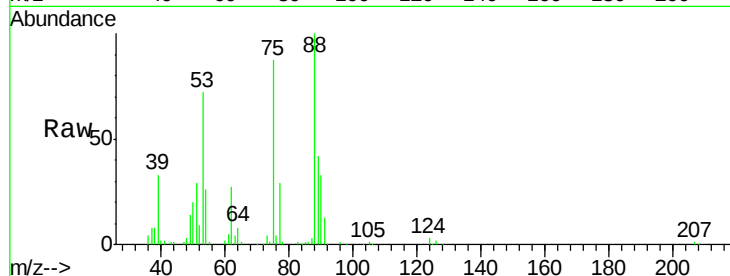
Tgt Ion: 75 Resp: 74764

Ion Ratio Lower Upper

75 100

53 85.2 67.8 101.8

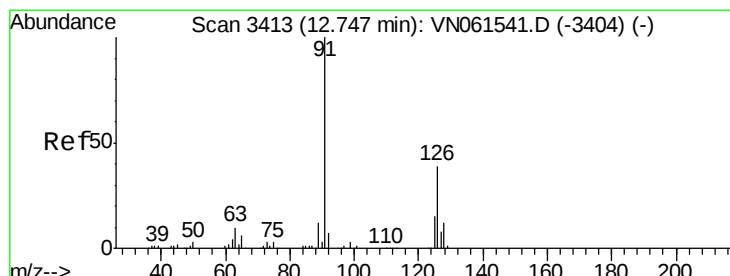
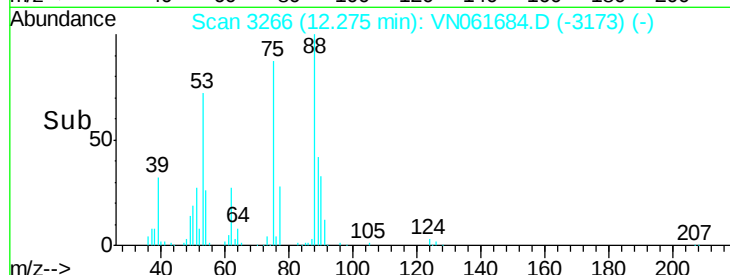
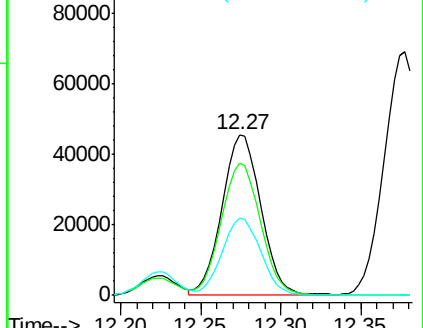
89 48.5 37.1 55.7



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: 43.27 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061684.D

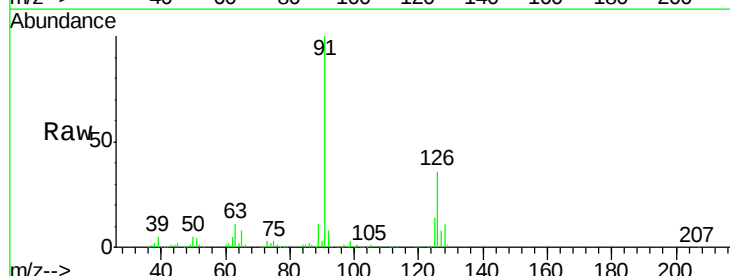
Acq: 5 Jun 2020 20:58

Tgt Ion: 91 Resp: 616632

Ion Ratio Lower Upper

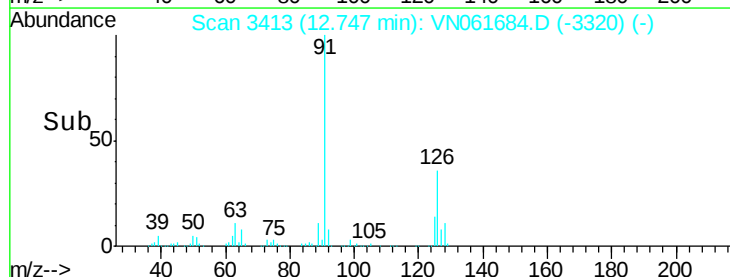
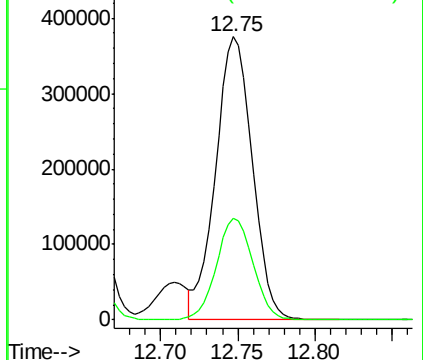
91 100

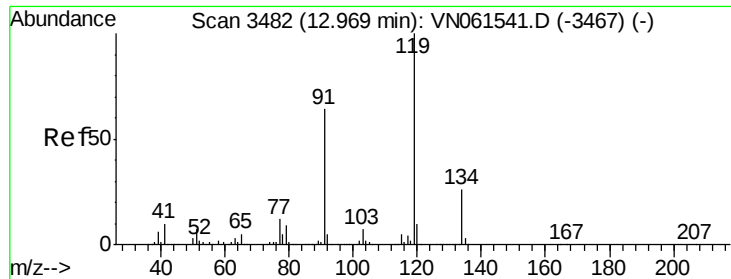
126 35.7 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

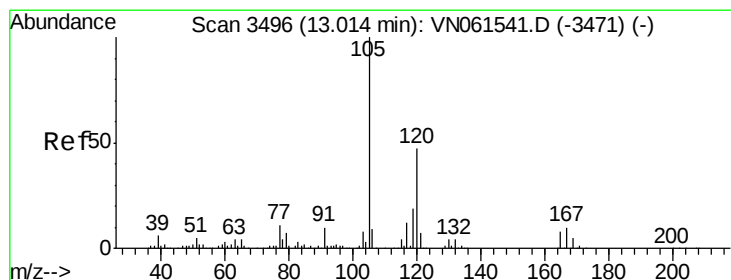
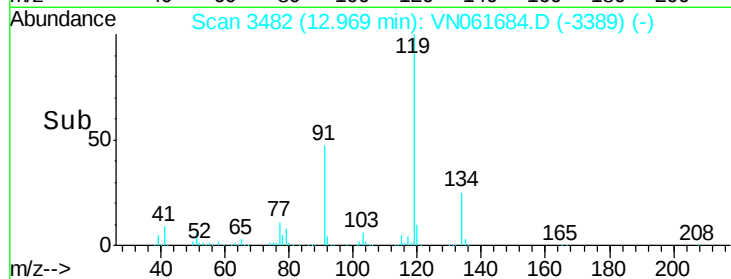
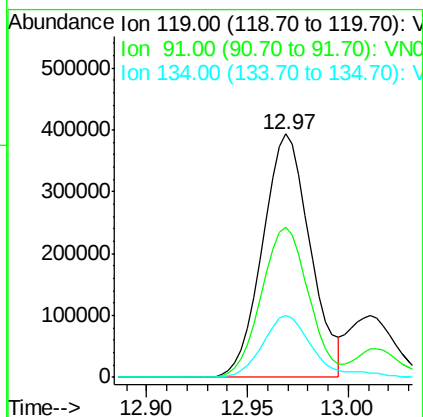
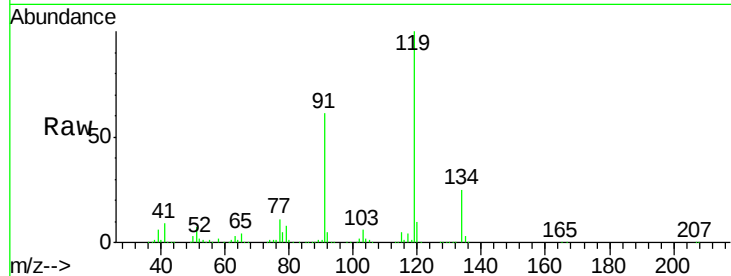




#83
 tert-Butylbenzene
 Concen: 42.95 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

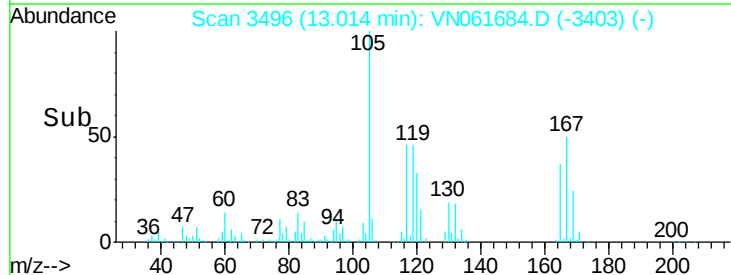
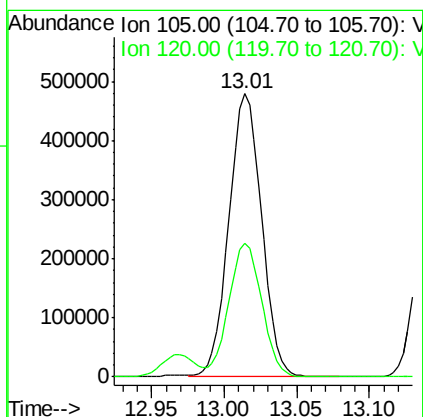
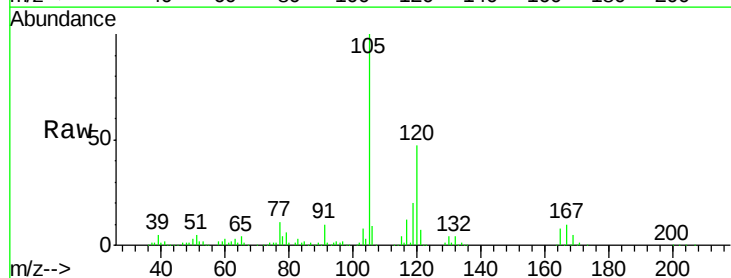
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 645428
 Ion Ratio Lower Upper
 119 100
 91 61.6 31.3 93.8
 134 26.8 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 44.30 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion:105 Resp: 748515
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.2 69.5





#85

sec-Butylbenzene

Concen: 42.79 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

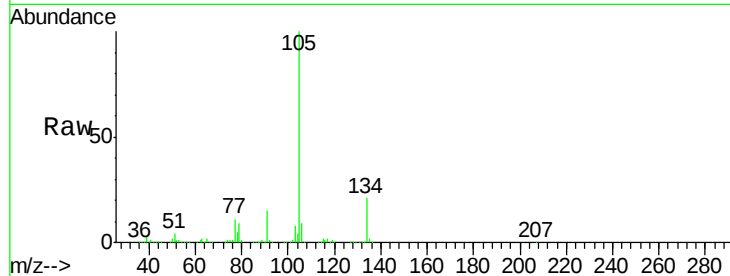
VSTDCCC050EC

Tgt Ion:105 Resp: 828547

Ion Ratio Lower Upper

105 100

134 21.1 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

500000

400000

300000

200000

100000

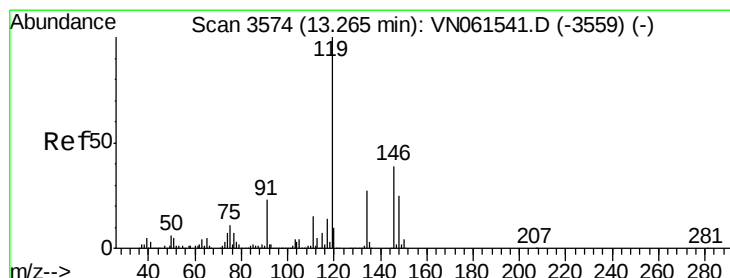
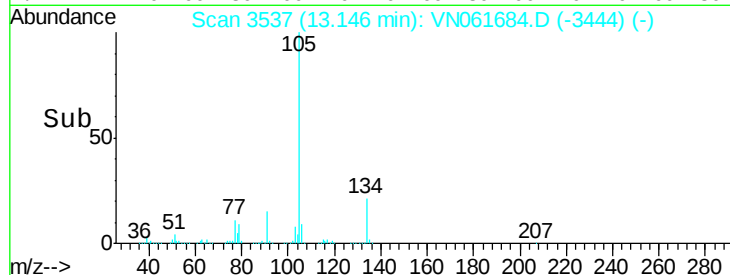
0

13.10

13.15

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 43.53 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

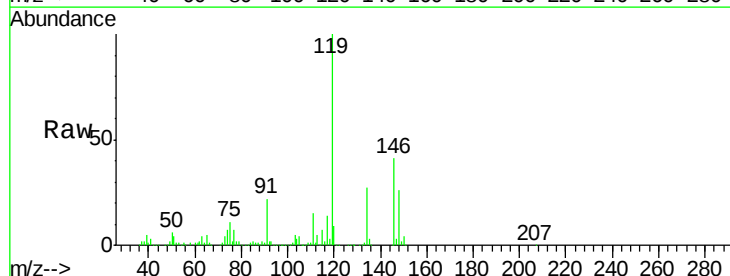
Tgt Ion:119 Resp: 776305

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

91 21.8 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

600000

400000

200000

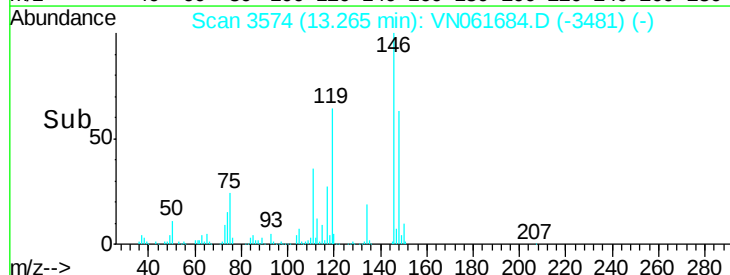
0

13.20

13.26

13.30

Time-->

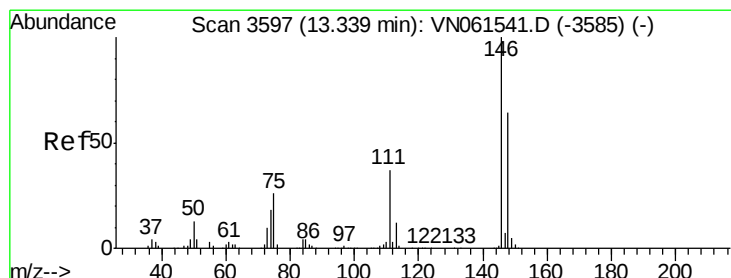
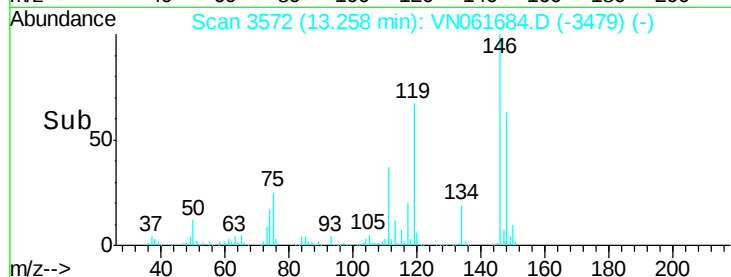
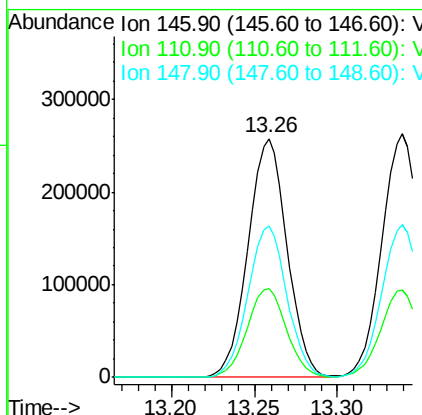
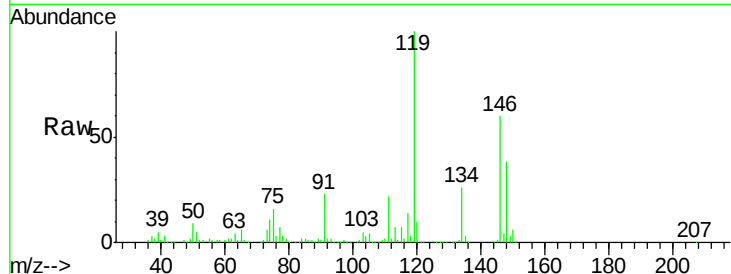




#87
 1,3-Dichlorobenzene
 Concen: 45.83 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

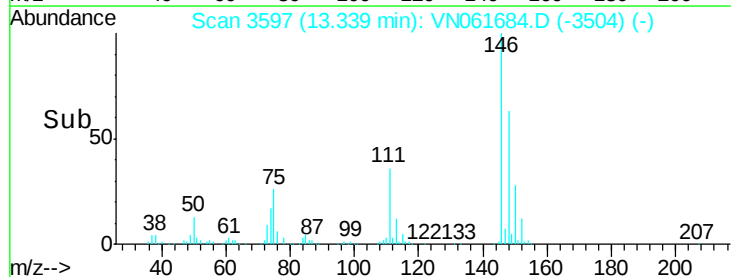
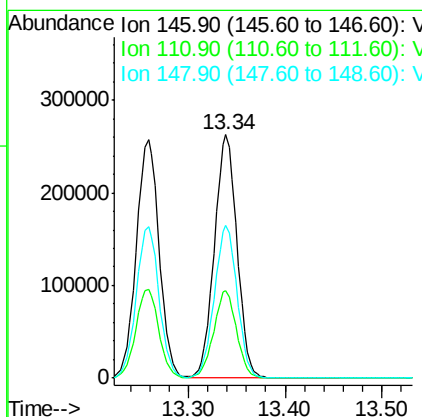
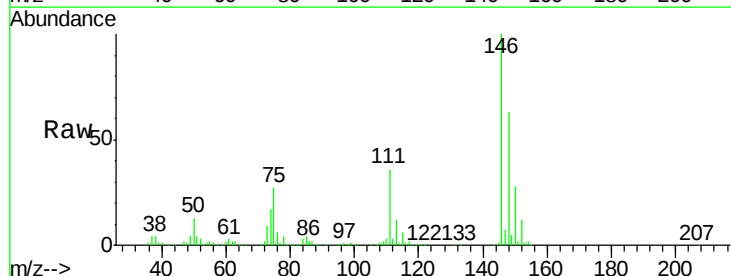
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:146 Resp: 421560
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.2 57.6
 148 63.4 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 45.57 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion:146 Resp: 426970
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.9 56.9
 148 63.0 31.8 95.3





#89

n-Butylbenzene

Concen: 41.66 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

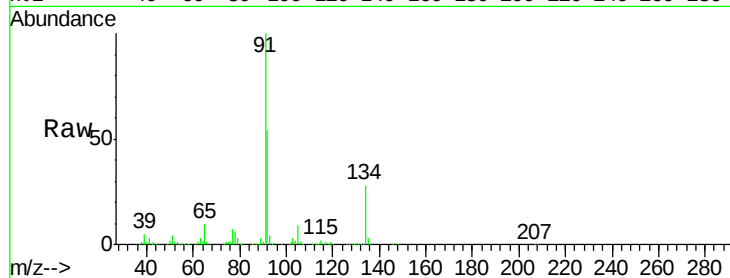
Tgt Ion: 91 Resp: 622258

Ion Ratio Lower Upper

91 100

92 54.2 27.2 81.6

134 28.2 14.0 42.0

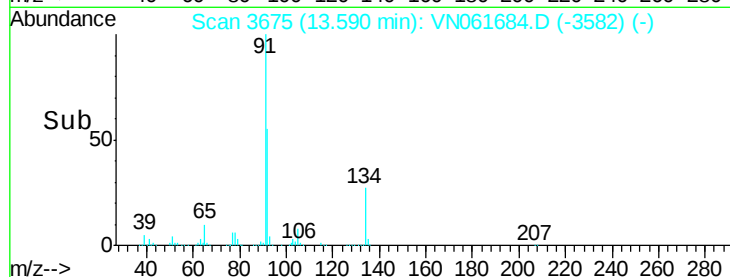


Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN061541.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN061541.D (-3661) (-)

Time-->

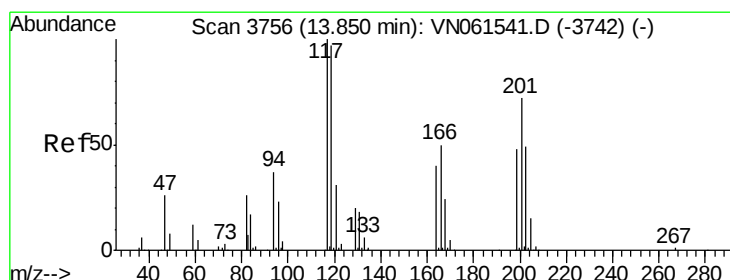


Abundance Ion 91.00 (90.70 to 91.70): VN061684.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN061684.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN061684.D (-3582) (-)

Time-->



#90

Hexachloroethane

Concen: 57.05 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061684.D

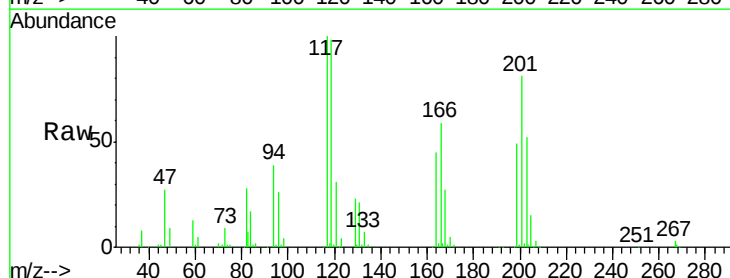
Acq: 5 Jun 2020 20:58

Tgt Ion: 117 Resp: 112504

Ion Ratio Lower Upper

117 100

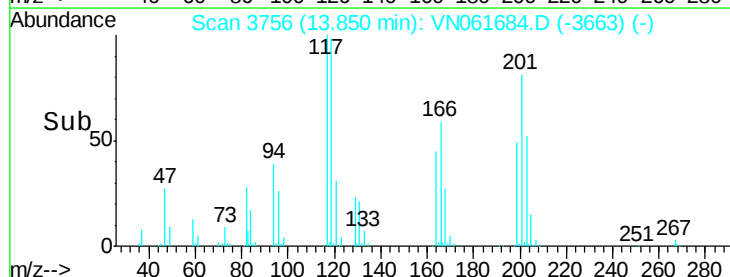
201 80.0 36.7 110.1



Abundance Ion 116.80 (116.50 to 117.50): VN061541.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061541.D (-3742) (-)

Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN061684.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN061684.D (-3663) (-)

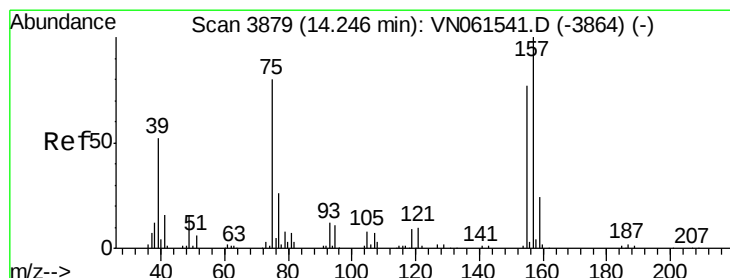
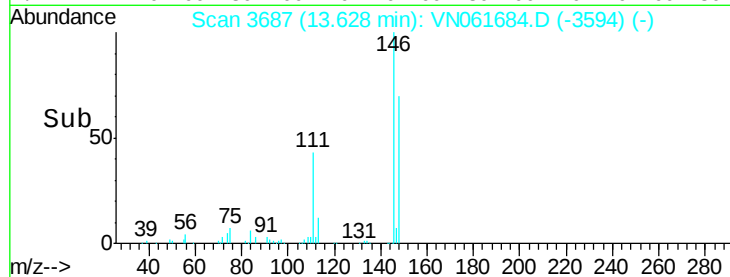
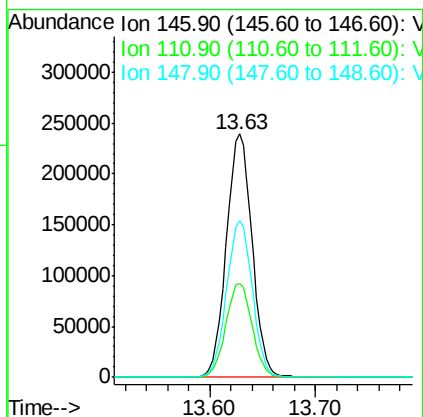
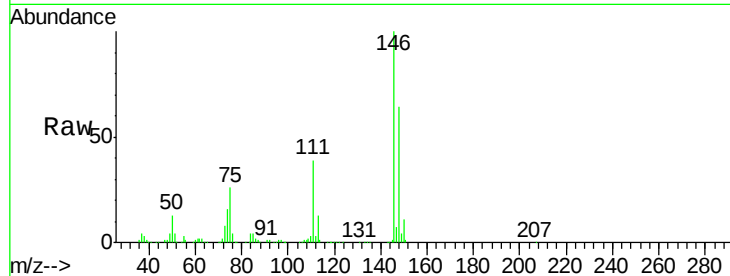
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 45.89 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

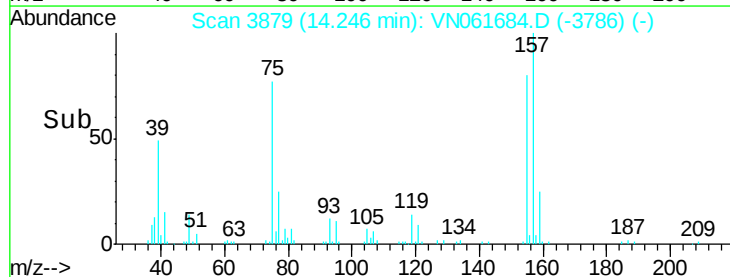
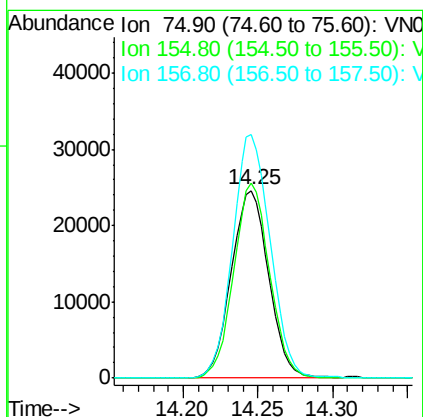
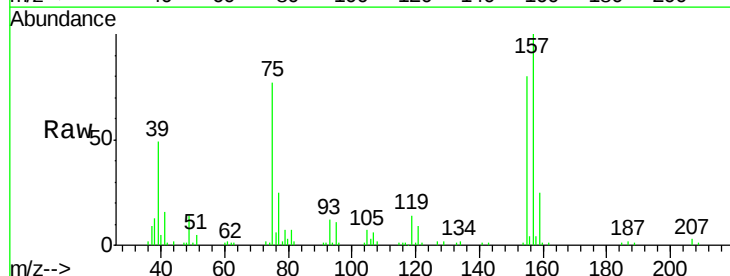
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:146 Resp: 403381
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.1 60.2
 148 64.6 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 36.82 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion: 75 Resp: 42819
 Ion Ratio Lower Upper
 75 100
 155 99.5 47.1 141.4
 157 130.6 60.3 180.8

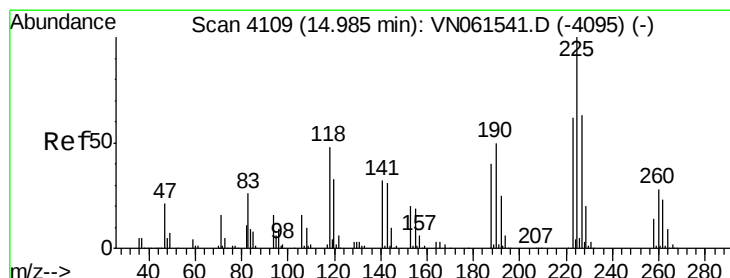
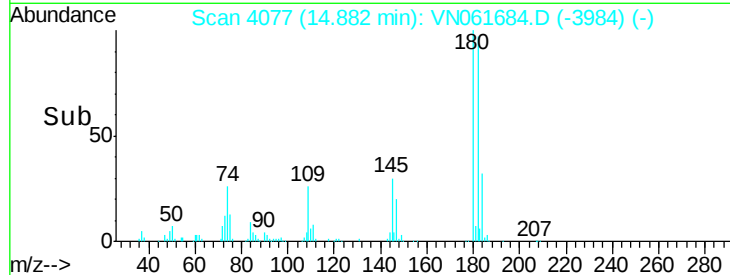
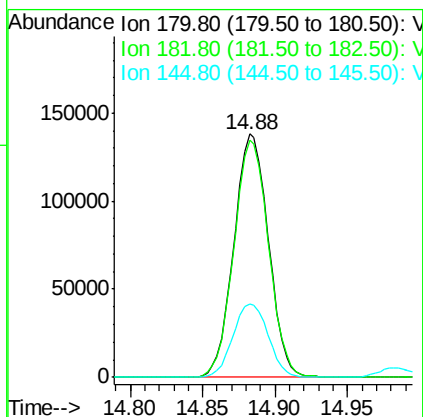
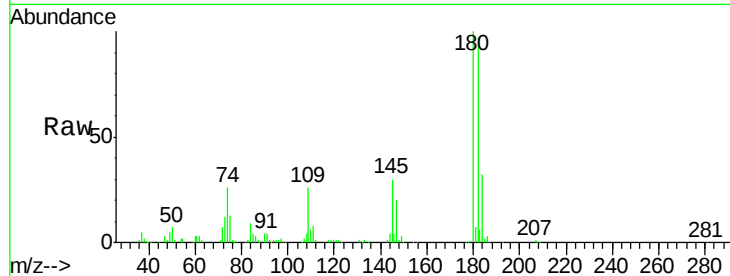




#93
 1,2,4-Trichlorobenzene
 Concen: 44.43 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

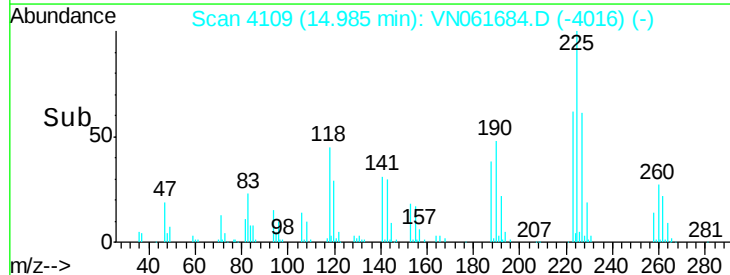
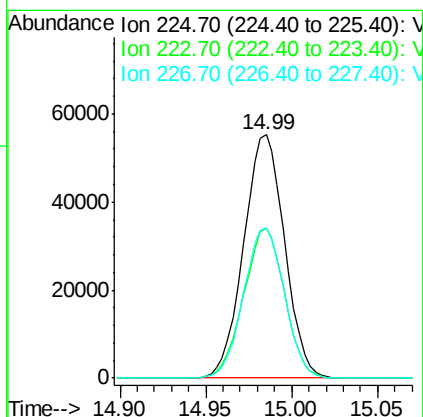
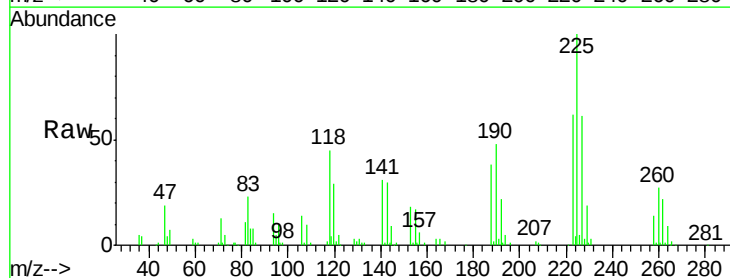
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 228378
 Ion Ratio Lower Upper
 180 100
 182 97.9 47.8 143.3
 145 30.9 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 41.56 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion:225 Resp: 91119
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.9 95.5
 227 61.6 31.9 95.9

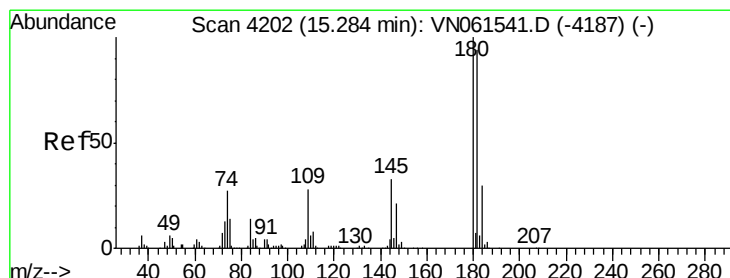
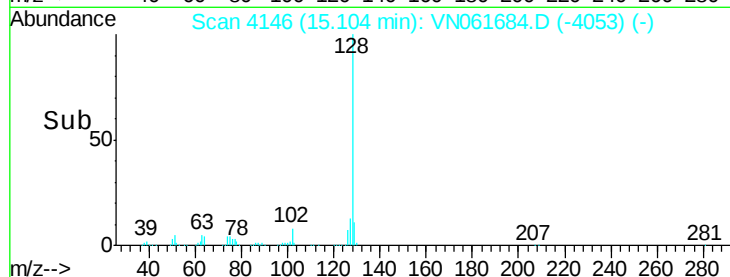
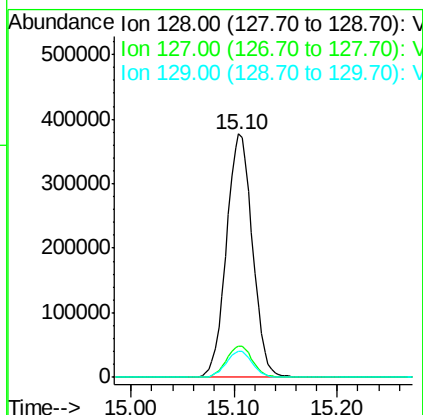
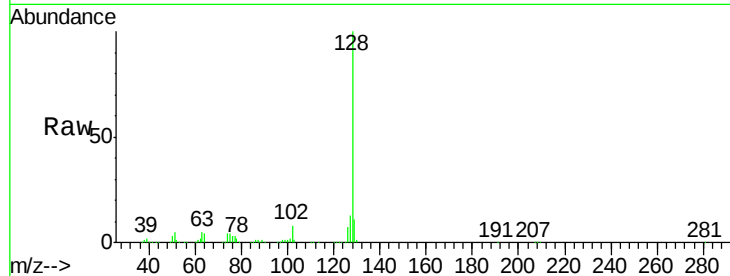




#95
Naphthalene
Concen: 42.45 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 664185
Ion Ratio Lower Upper
128 100
127 12.9 10.0 15.0
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 44.84 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion:180 Resp: 226655
Ion Ratio Lower Upper
180 100
182 94.0 47.1 141.3
145 31.9 16.3 48.9

