

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061820\
 Data File : VD065798.D
 Acq On : 18 Jun 2020 10:25
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 19 01:07:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	225224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	343539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	313946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	159210	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	111913	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	7.91	113	113141	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
50) Toluene-d8	10.34	98	429984	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
62) 4-Bromofluorobenzene	12.64	95	147783	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	65563	42.707	ug/l	100
3) Chloromethane	2.21	50	114168	44.638	ug/l	99
4) Vinyl Chloride	2.35	62	136139	40.970	ug/l	99
5) Bromomethane	2.77	94	96174	41.386	ug/l	97
6) Chloroethane	2.93	64	93735	41.720	ug/l	100
7) Trichlorofluoromethane	3.27	101	160674	42.678	ug/l	99
8) Diethyl Ether	3.71	74	41304	41.730	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	96985	43.203	ug/l	100
10) Methyl Iodide	4.30	142	95165	43.533	ug/l	99
11) Tert butyl alcohol	5.22	59	28001	220.230	ug/l	98
12) 1,1-Dichloroethene	4.07	96	88712	43.358	ug/l	97
13) Acrolein	3.92	56	26091	208.722	ug/l	97
14) Allyl chloride	4.71	41	149065	44.080	ug/l	98
15) Acrylonitrile	5.41	53	94602	210.435	ug/l	98
16) Acetone	4.16	43	126032	300.216	ug/l	99
17) Carbon Disulfide	4.41	76	288253	41.975	ug/l	100
18) Methyl Acetate	4.71	43	42235	44.181	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	201008	43.373	ug/l	97
20) Methylene Chloride	4.96	84	106239	47.423	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	104332	43.541	ug/l	95
22) Diisopropyl ether	6.36	45	301177	44.078	ug/l	97
23) Vinyl Acetate	6.30	43	883939	229.094	ug/l	99
24) 1,1-Dichloroethane	6.26	63	180058	43.250	ug/l	99
25) 2-Butanone	7.21	43	140584	242.481	ug/l	97
26) 2,2-Dichloropropane	7.21	77	170150	46.093	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	111778	43.366	ug/l	98
28) Bromochloromethane	7.54	49	82991	51.613	ug/l	98
29) Tetrahydrofuran	7.57	42	81739	223.069	ug/l	98
30) Chloroform	7.71	83	187734	43.505	ug/l	97
31) Cyclohexane	7.98	56	167316	41.922	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	175618	44.259	ug/l	98
36) 1,1-Dichloropropene	8.11	75	148448	45.109	ug/l	100
37) Ethyl Acetate	7.29	43	59798	46.132	ug/l	96
38) Carbon Tetrachloride	8.10	117	160064	46.217	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061820\
 Data File : VD065798.D
 Acq On : 18 Jun 2020 10:25
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 19 01:07:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	177674	45.601	ug/l	99
40) Benzene	8.35	78	398264	44.268	ug/l	99
41) Methacrylonitrile	7.53	41	36074m	46.738	ug/l	
42) 1,2-Dichloroethane	8.43	62	118121	43.515	ug/l	100
43) Isopropyl Acetate	8.45	43	115963	44.989	ug/l	97
44) Trichloroethene	9.11	130	112264	44.840	ug/l	100
45) 1,2-Dichloropropane	9.39	63	99495	44.014	ug/l	95
46) Dibromomethane	9.48	93	53415	43.568	ug/l	99
47) Bromodichloromethane	9.66	83	146053	44.456	ug/l	96
48) Methyl methacrylate	9.46	41	59463	47.659	ug/l	97
49) 1,4-Dioxane	9.47	88	11589	888.091	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	286870	227.127	ug/l	98
52) Toluene	10.40	92	267225	45.713	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	138717	46.628	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	161111	45.854	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	74268	45.337	ug/l	97
56) Ethyl methacrylate	10.66	69	89477	46.438	ug/l	98
57) 1,3-Dichloropropane	10.95	76	126043	44.412	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	236068	263.529	ug/l	99
59) 2-Hexanone	10.98	43	209758	246.331	ug/l	99
60) Dibromochloromethane	11.14	129	98782	44.638	ug/l	99
61) 1,2-Dibromoethane	11.25	107	73223	45.483	ug/l	98
64) Tetrachloroethene	10.88	164	94990	44.745	ug/l	99
65) Chlorobenzene	11.67	112	276586	45.128	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	103665	45.376	ug/l	99
67) Ethyl Benzene	11.75	91	510485	46.624	ug/l	97
68) m/p-Xylenes	11.86	106	397237	94.191	ug/l	99
69) o-Xylene	12.18	106	177475	46.673	ug/l	98
70) Styrene	12.20	104	315149	47.876	ug/l	99
71) Bromoform	12.37	173	57340	45.578	ug/l #	99
73) Isopropylbenzene	12.48	105	497074	46.567	ug/l	100
74) N-amyl acetate	12.29	43	107598	45.308	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	81098	44.986	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	58920m	47.585	ug/l	
77) Bromobenzene	12.77	156	115562	45.757	ug/l	99
78) n-propylbenzene	12.83	91	596148	46.396	ug/l	98
79) 2-Chlorotoluene	12.91	91	324218	45.997	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	419610	47.238	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	27185	47.437	ug/l	97
82) 4-Chlorotoluene	13.01	91	349045	46.134	ug/l	99
83) tert-Butylbenzene	13.23	119	363409	47.149	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	411629	46.297	ug/l	99
85) sec-Butylbenzene	13.41	105	515308	48.041	ug/l	99
86) p-Isopropyltoluene	13.52	119	468683	47.672	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	228751	45.936	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	223629	45.144	ug/l	99
89) n-Butylbenzene	13.85	91	453278	48.341	ug/l	99
90) Hexachloroethane	14.12	117	92423	46.965	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	194449	45.372	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13447	44.820	ug/l	97

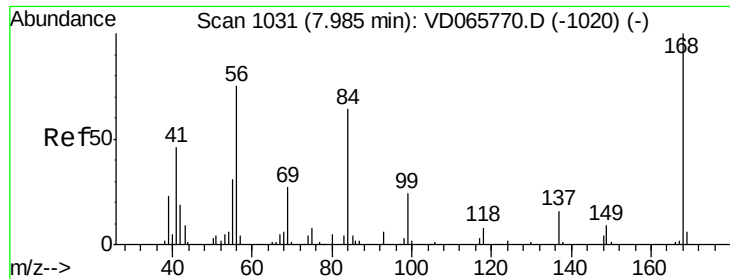
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061820\
Data File : VD065798.D
Acq On : 18 Jun 2020 10:25
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: Jun 19 01:07:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 05 13:07:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	136137	46.719	ug/l	98
94) Hexachlorobutadiene	15.27	225	80152	45.502	ug/l	99
95) Naphthalene	15.41	128	221655	44.907	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	113821	45.352	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

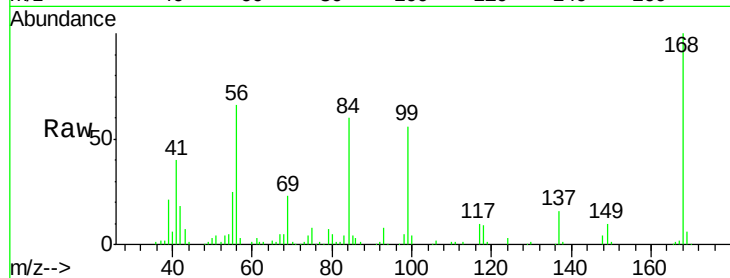
VSTDCCC050

Tot Ion:168 Resp: 225224

Ion Ratio Lower Upper

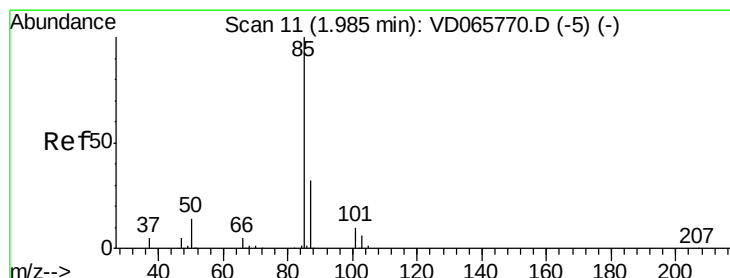
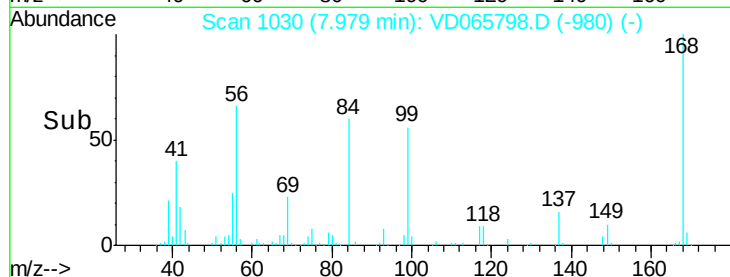
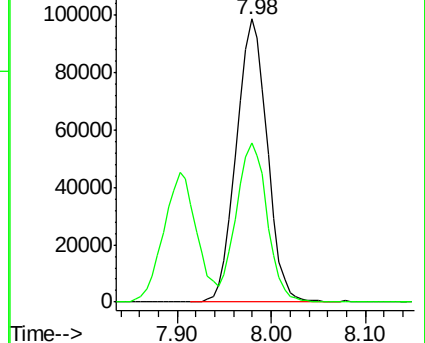
168 100

99 55.9 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 42.707 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065798.D

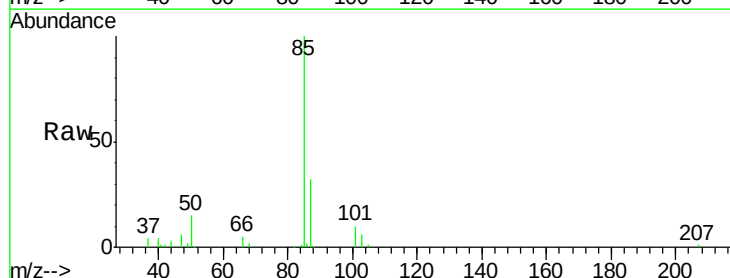
Acq: 18 Jun 2020 10:25

Tgt Ion: 85 Resp: 65563

Ion Ratio Lower Upper

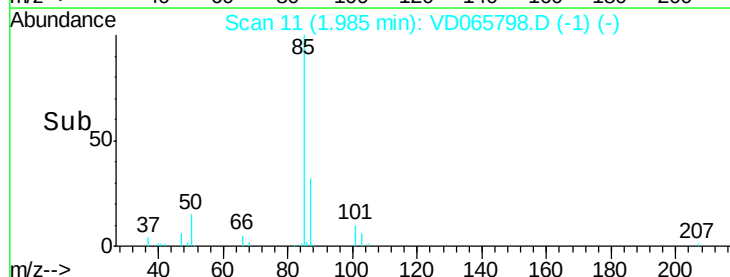
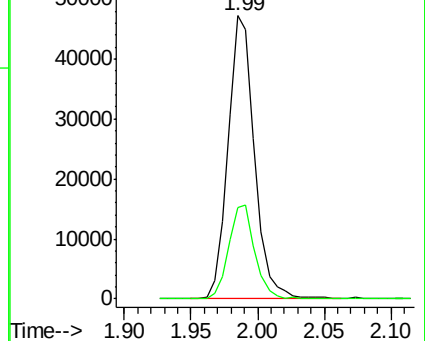
85 100

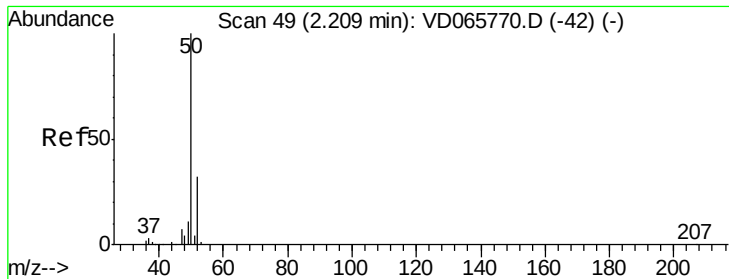
87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.638 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

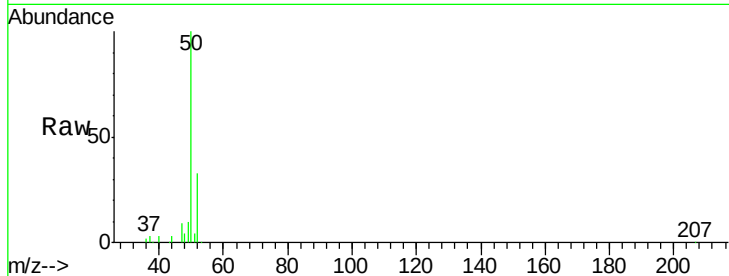
VSTDCCC050

Tot Ion: 50 Resp: 114168

Ion Ratio Lower Upper

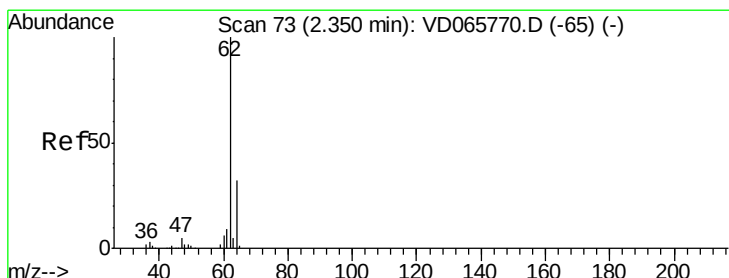
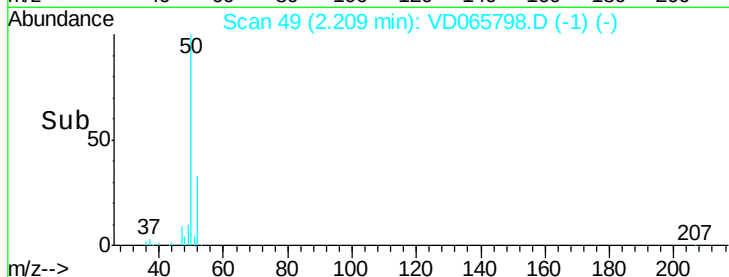
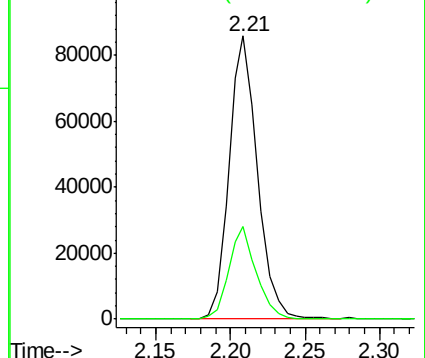
50 100

52 32.7 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 40.970 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065798.D

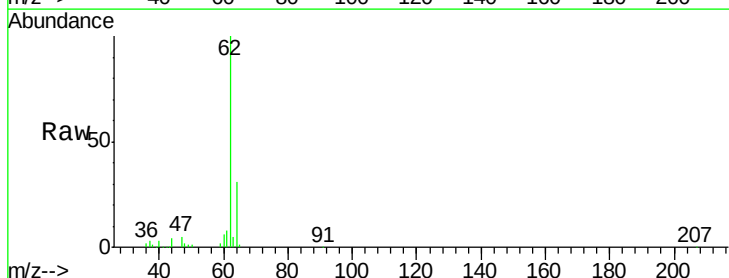
Acq: 18 Jun 2020 10:25

Tgt Ion: 62 Resp: 136139

Ion Ratio Lower Upper

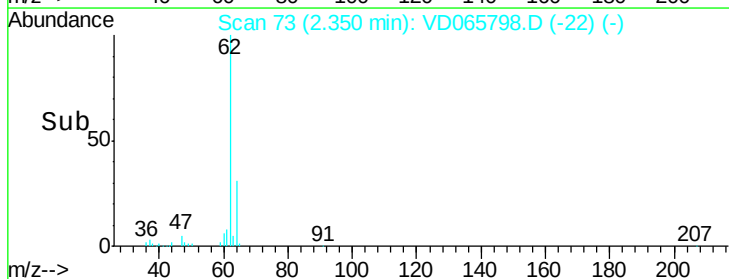
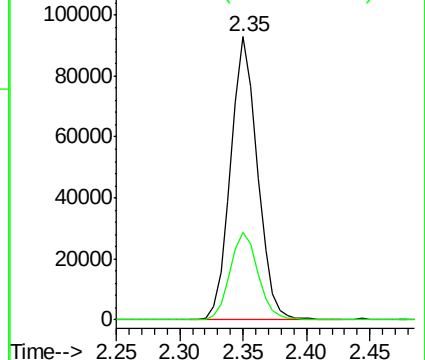
62 100

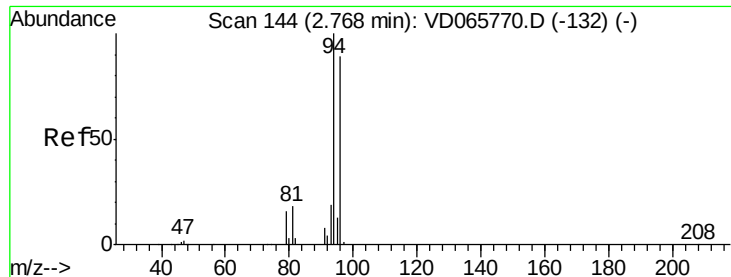
64 30.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 41.386 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

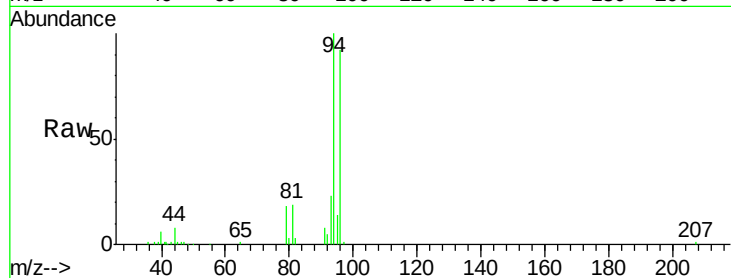
VSTDCCC050

Tot Ion: 94 Resp: 96174

Ion Ratio Lower Upper

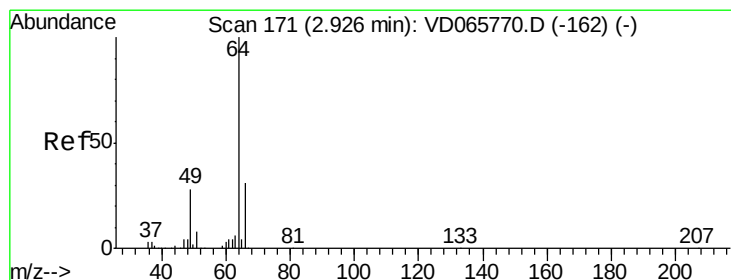
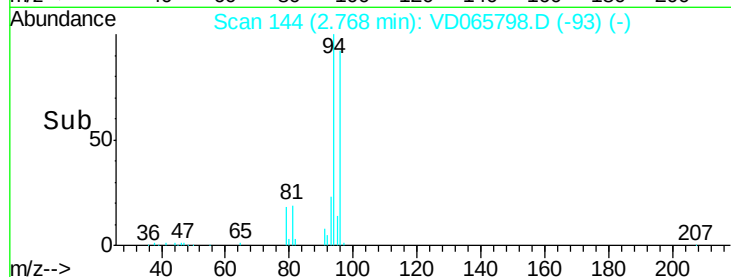
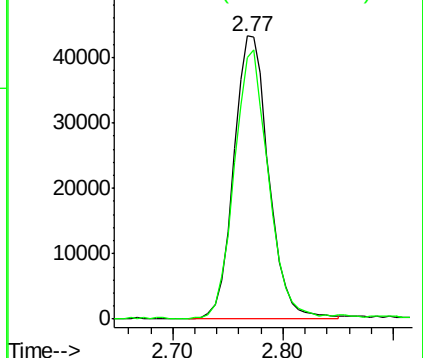
94 100

96 92.4 71.4 107.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 41.720 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065798.D

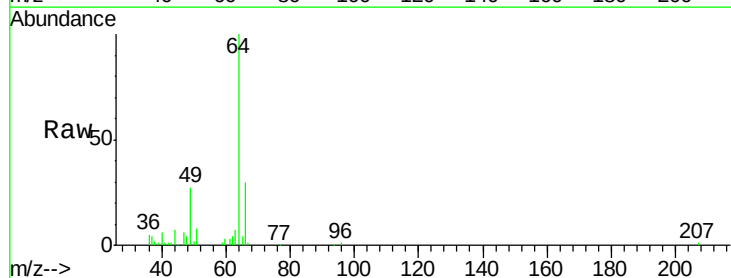
Acq: 18 Jun 2020 10:25

Tgt Ion: 64 Resp: 93735

Ion Ratio Lower Upper

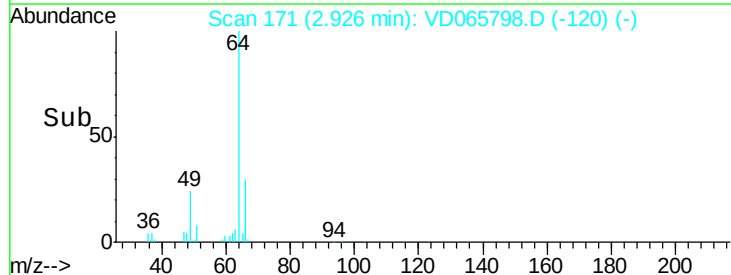
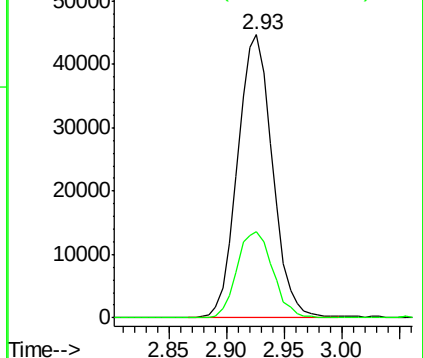
64 100

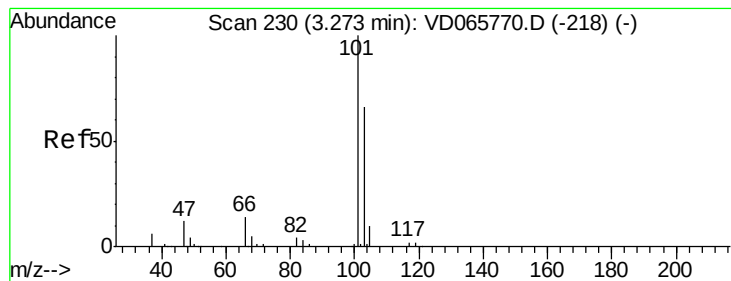
66 30.4 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



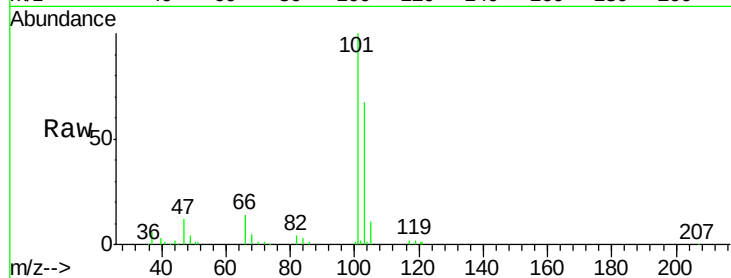


#7

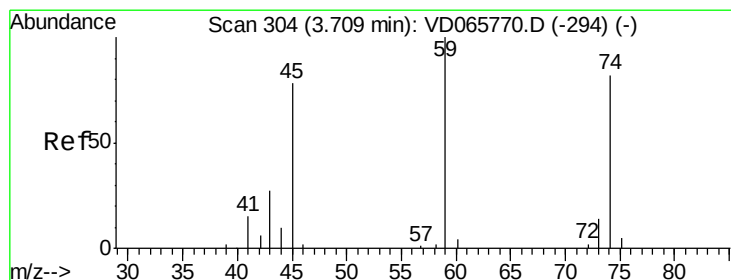
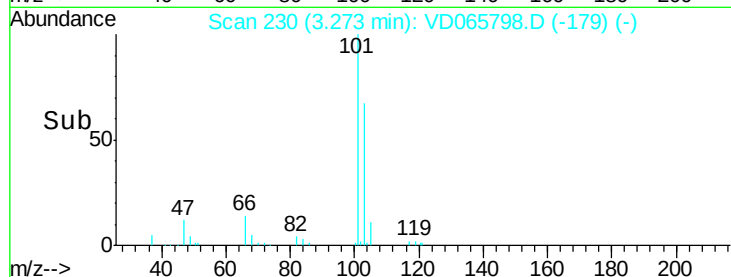
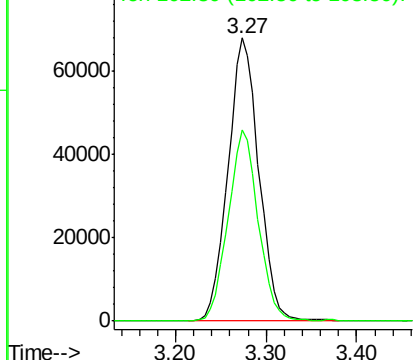
Trichlorofluoromethane
Concen: 42.678 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 160674
Ion Ratio Lower Upper
101 100
103 67.5 53.1 79.7



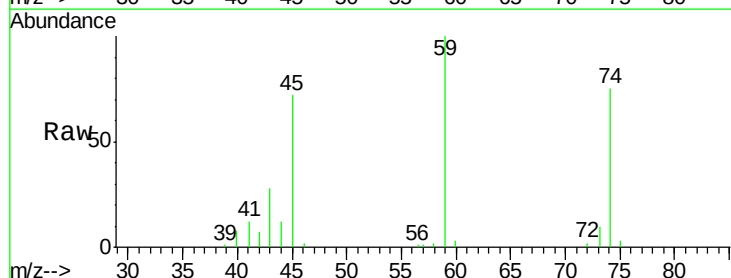
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



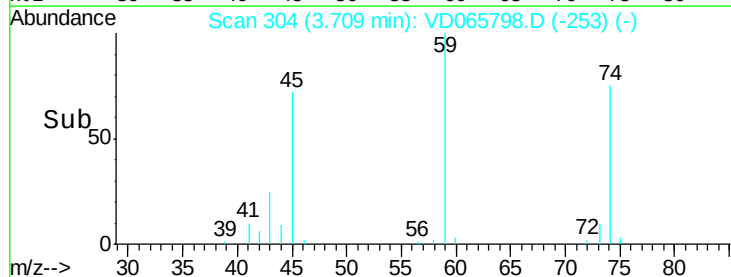
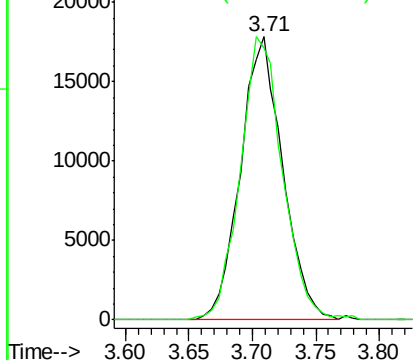
#8

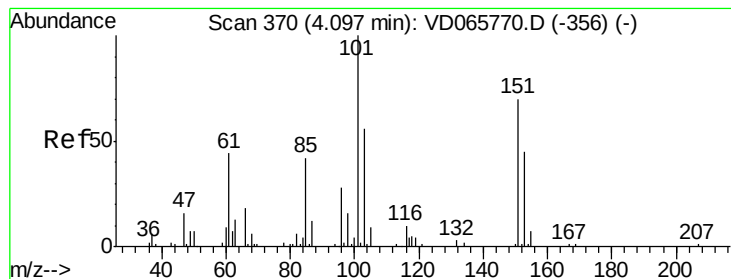
Diethyl Ether
Concen: 41.730 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion: 74 Resp: 41304
Ion Ratio Lower Upper
74 100
45 100.4 47.9 143.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.203 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

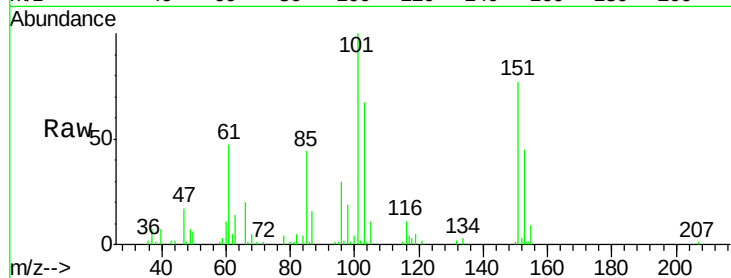
Tot Ion:101 Resp: 96985

Ion Ratio Lower Upper

101 100

85 45.5 36.5 54.7

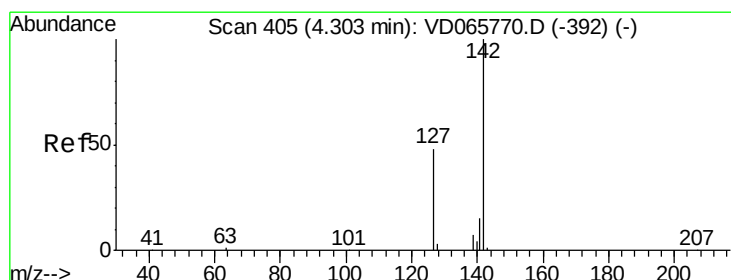
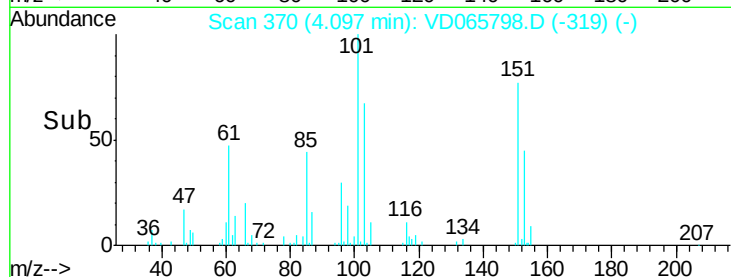
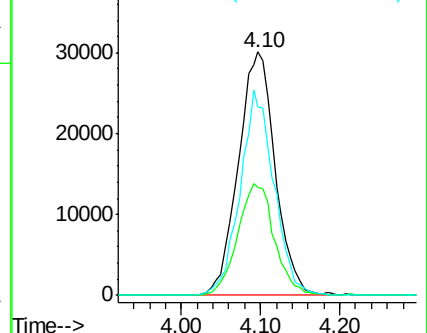
151 77.3 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.533 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

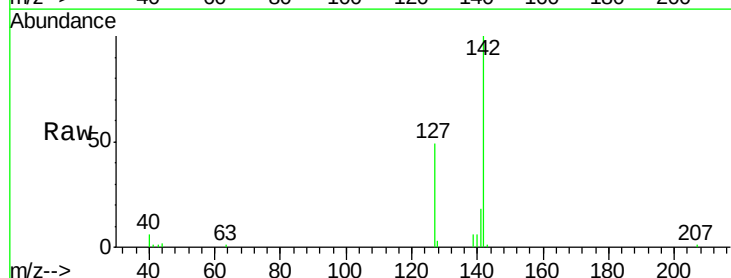
Tgt Ion:142 Resp: 95165

Ion Ratio Lower Upper

142 100

127 47.5 37.6 56.4

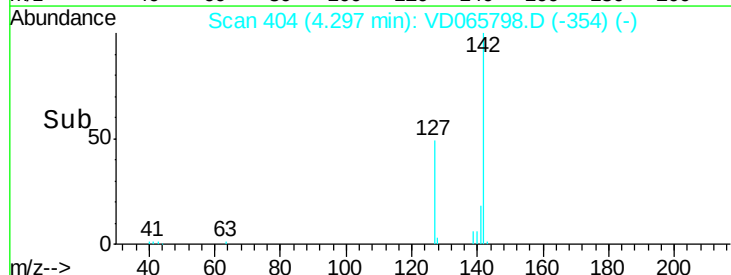
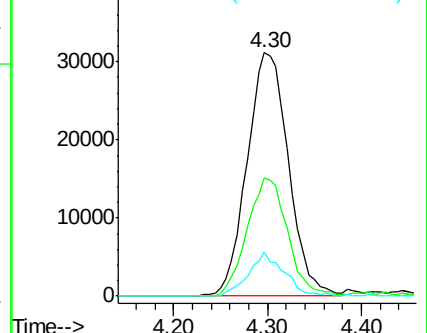
141 15.4 12.1 18.1

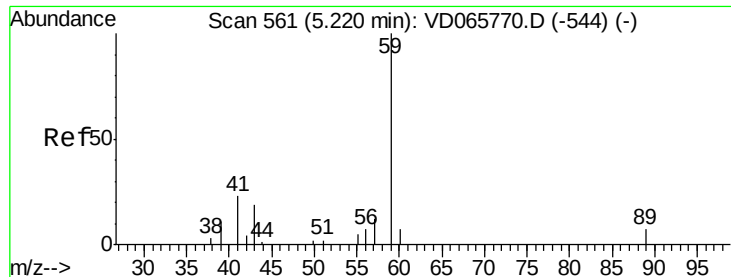


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

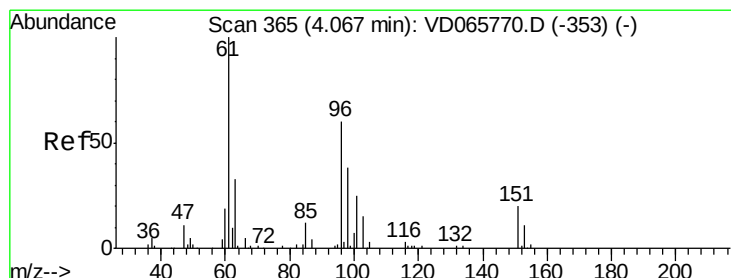
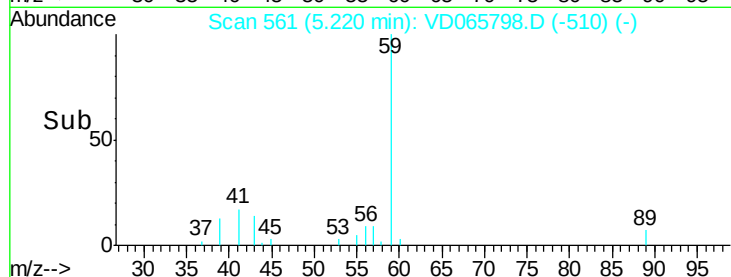
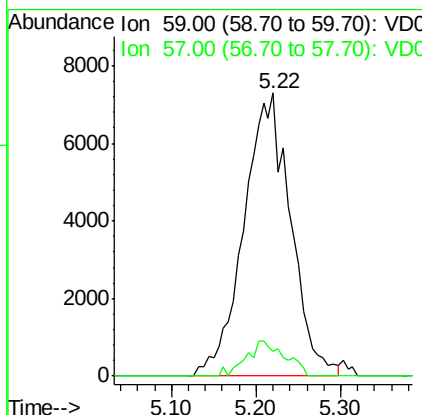
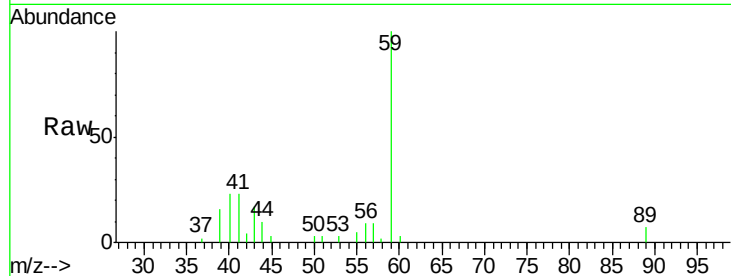




#11
Tert butyl alcohol
Concen: 220.230 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

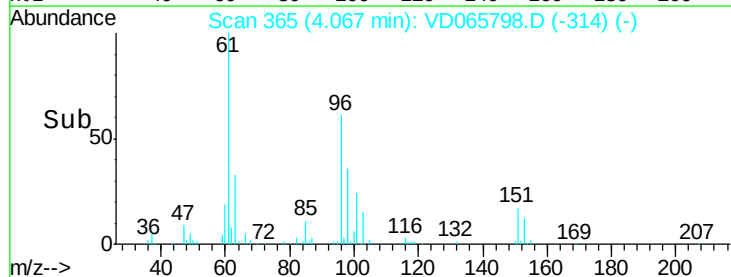
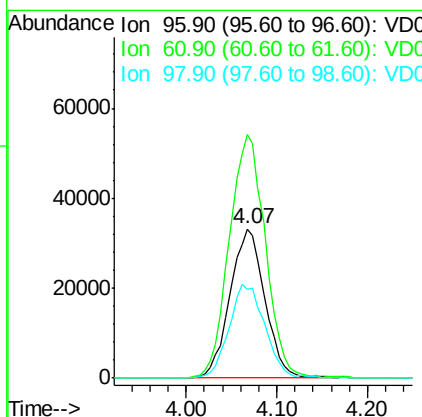
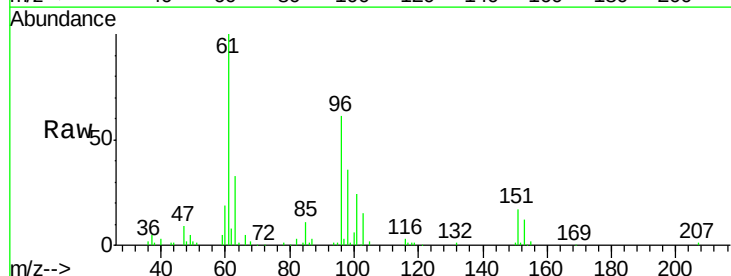
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

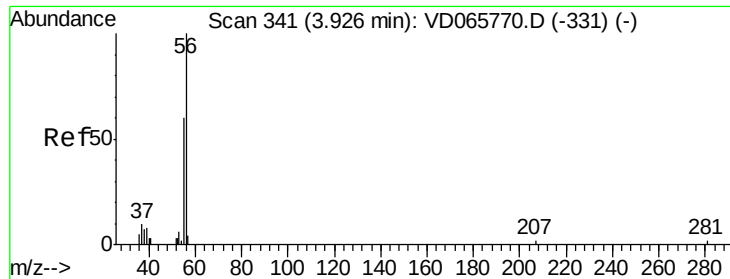
Tot Ion: 59 Resp: 28001
Ion Ratio Lower Upper
59 100
57 10.2 7.5 11.3



#12
1,1-Dichloroethene
Concen: 43.358 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion: 96 Resp: 88712
Ion Ratio Lower Upper
96 100
61 163.1 132.3 198.5
98 59.1 50.7 76.1





#13

Acrolein

Concen: 208.722 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

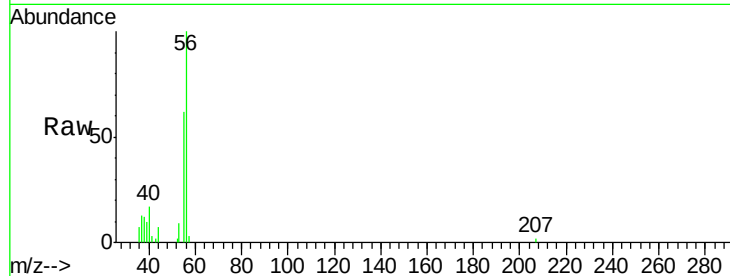
VSTDCCC050

Tot Ion: 56 Resp: 26091

Ion Ratio Lower Upper

56 100

55 70.8 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

10000

8000

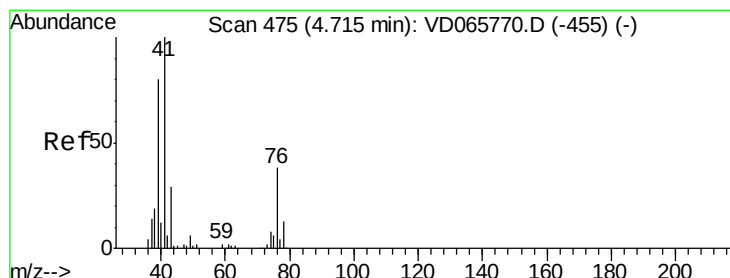
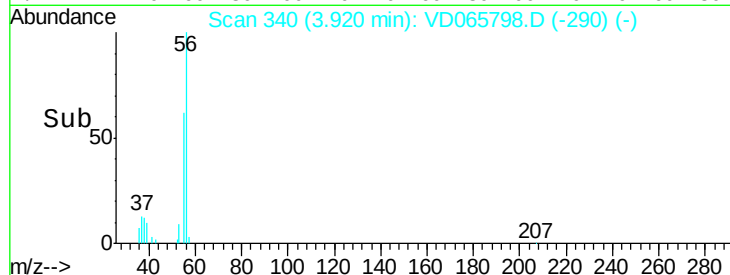
6000

4000

2000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 44.080 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

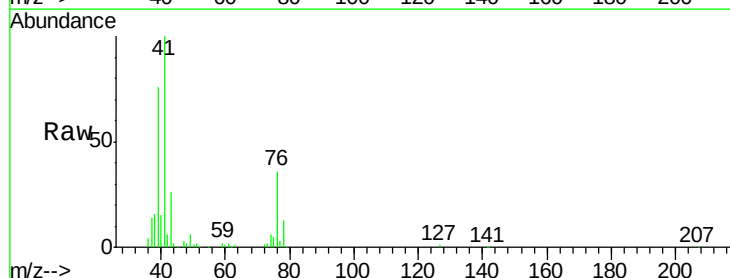
Tgt Ion: 41 Resp: 149065

Ion Ratio Lower Upper

41 100

39 77.9 60.9 91.3

76 36.9 28.9 43.3



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

60000

50000

40000

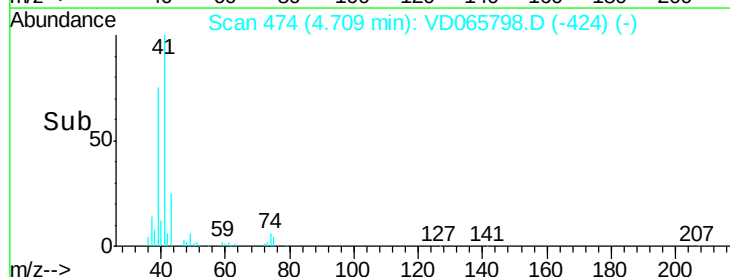
30000

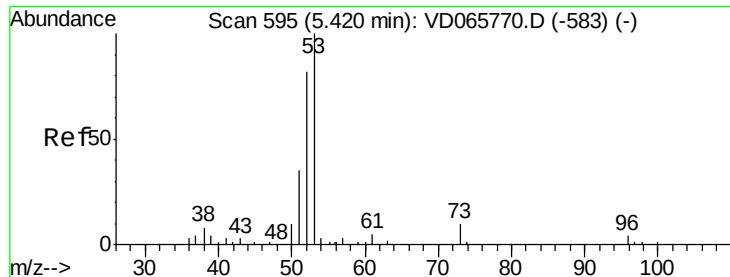
20000

10000

0

Time--> 4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 210.435 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

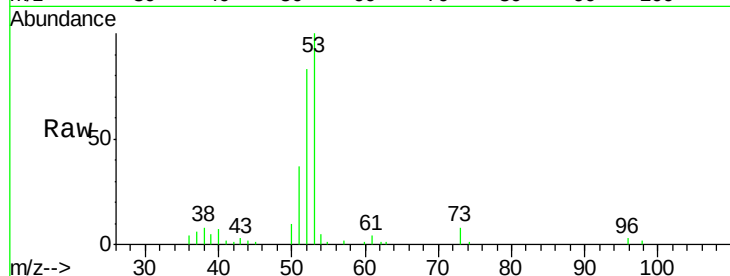
Tot Ion: 53 Resp: 94602

Ion Ratio Lower Upper

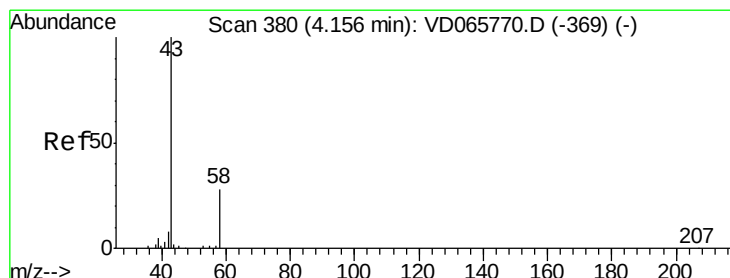
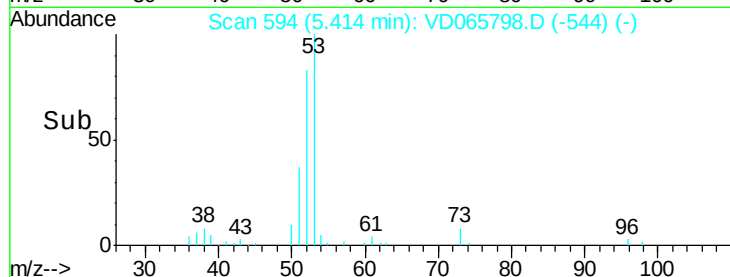
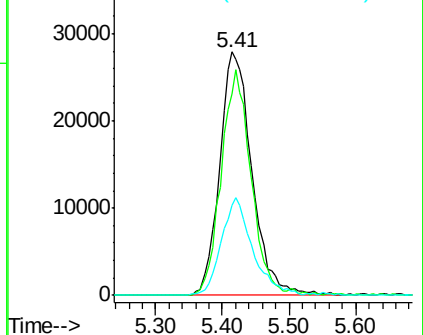
53 100

52 85.0 66.2 99.2

51 38.9 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 300.216 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065798.D

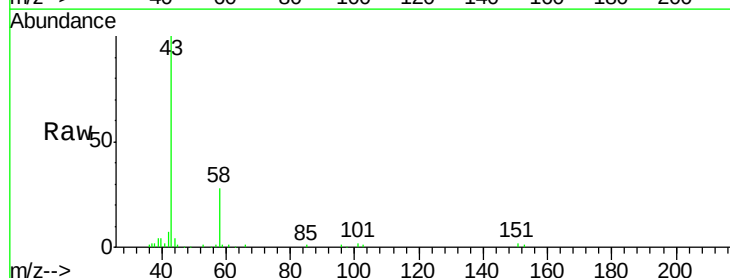
Acq: 18 Jun 2020 10:25

Tgt Ion: 43 Resp: 126032

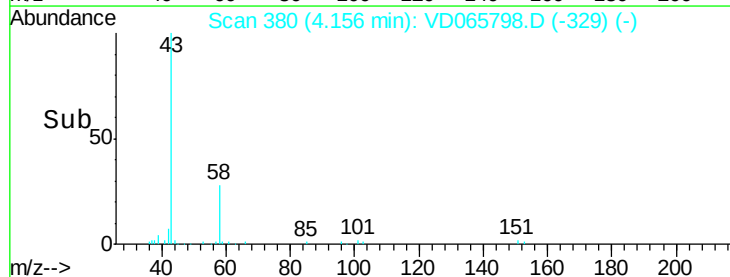
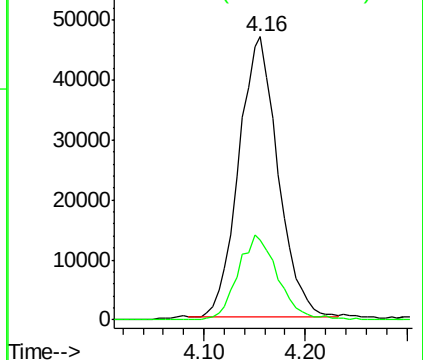
Ion Ratio Lower Upper

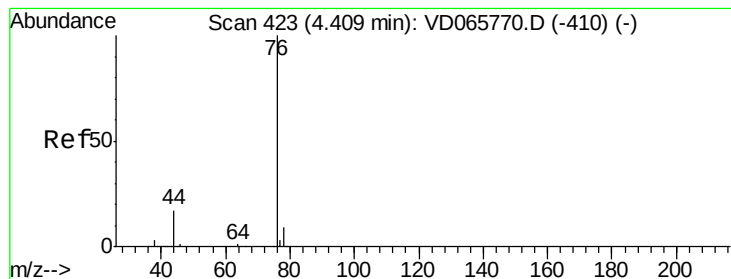
43 100

58 28.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 41.975 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

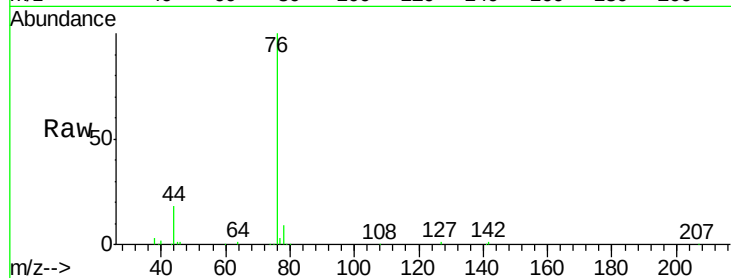
VSTDCCC050

Tot Ion: 76 Resp: 288253

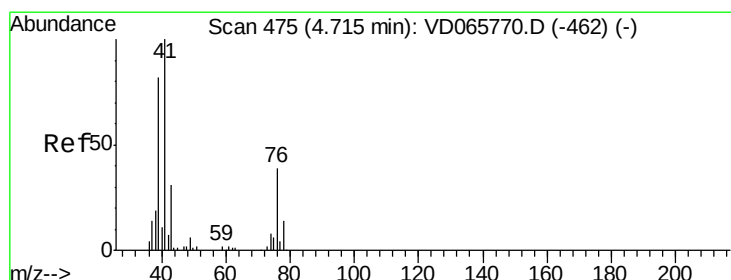
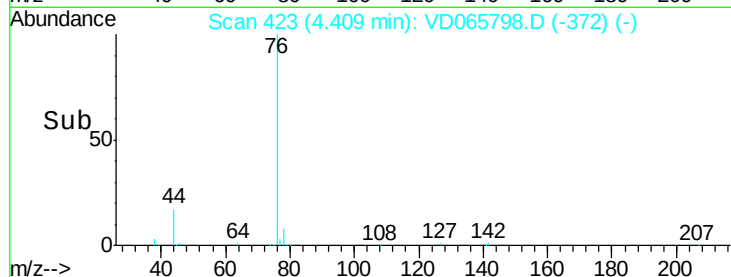
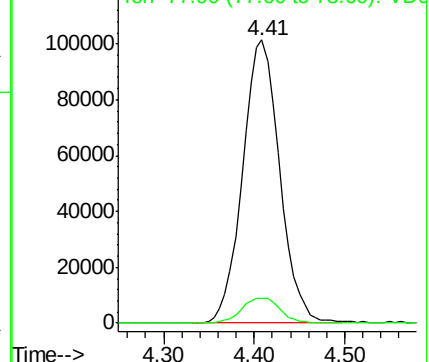
Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



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



#18

Methyl Acetate

Concen: 44.181 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065798.D

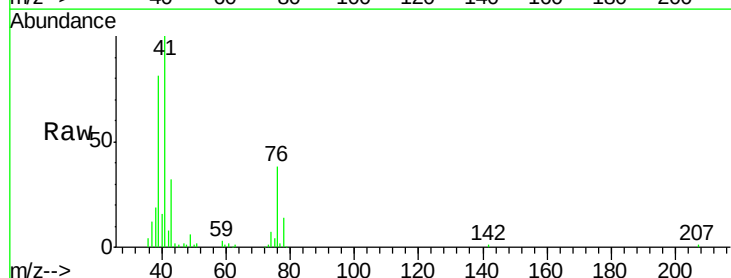
Acq: 18 Jun 2020 10:25

Tgt Ion: 43 Resp: 42235

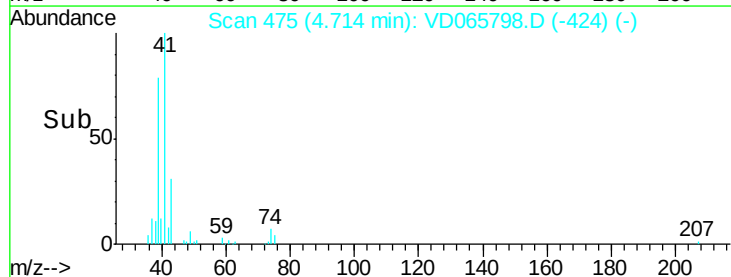
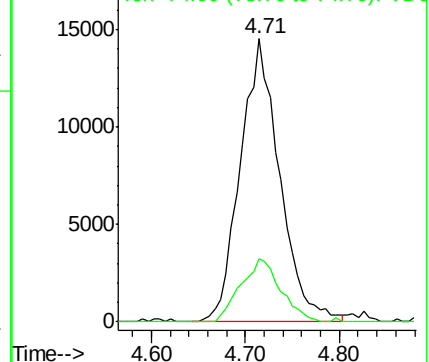
Ion Ratio Lower Upper

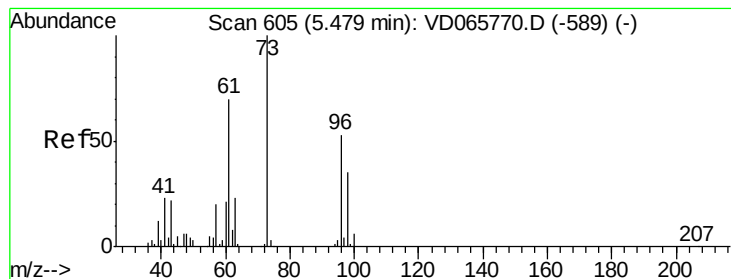
43 100

74 22.6 18.7 28.1



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



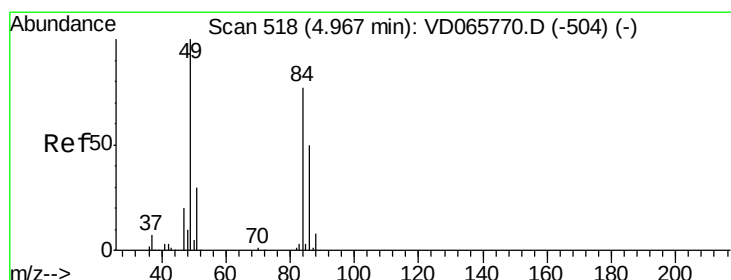
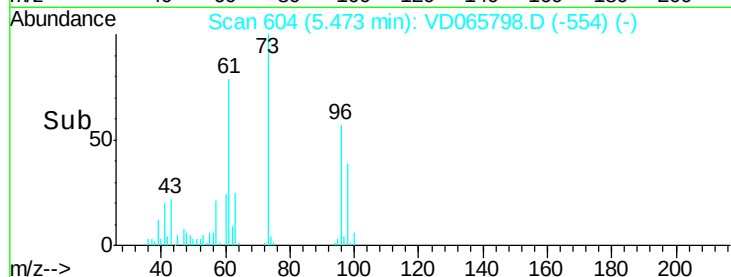
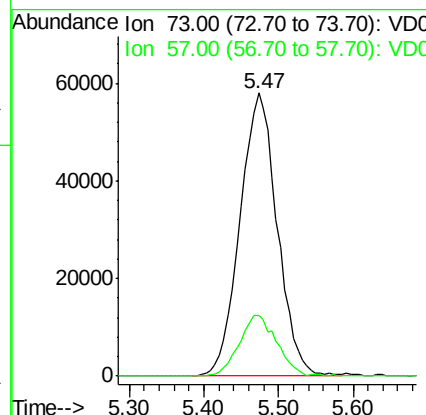
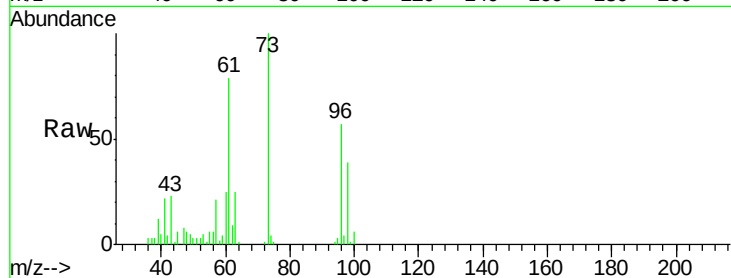


#19

Methyl tert-butyl Ether
 Concen: 43.373 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD065798.D
 Acq: 18 Jun 2020 10:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

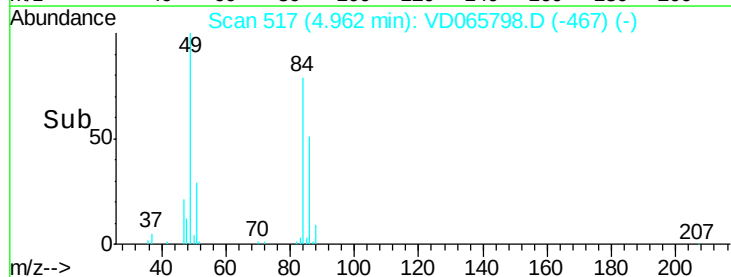
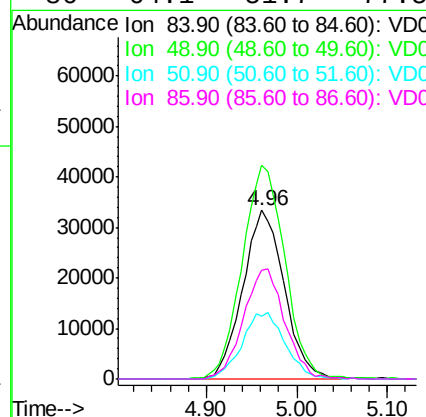
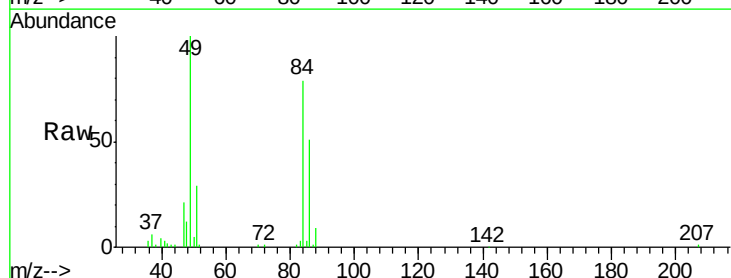
Tot Ion: 73 Resp: 201008
 Ion Ratio Lower Upper
 73 100
 57 21.4 16.2 24.2

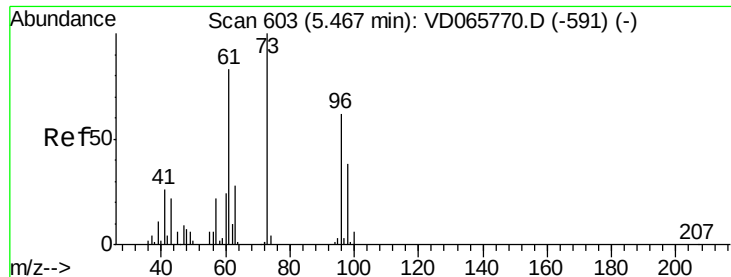


#20

Methylene Chloride
 Concen: 47.423 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065798.D
 Acq: 18 Jun 2020 10:25

Tgt Ion: 84 Resp: 106239
 Ion Ratio Lower Upper
 84 100
 49 126.0 103.4 155.0
 51 37.1 31.4 47.2
 86 64.1 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 43.541 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

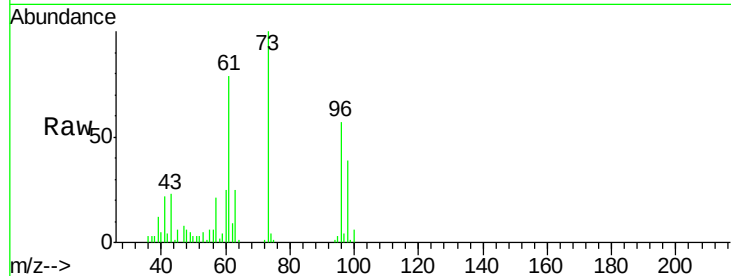
Tot Ion: 96 Resp: 104332

Ion Ratio Lower Upper

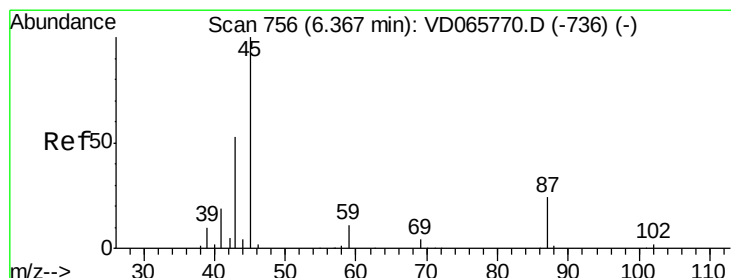
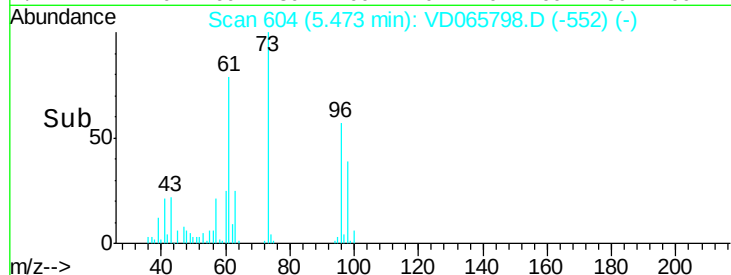
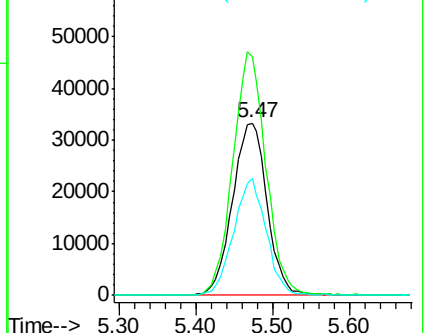
96 100

61 138.5 107.7 161.5

98 67.6 49.3 73.9



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



#22

Diisopropyl ether

Concen: 44.078 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Tgt Ion: 45 Resp: 301177

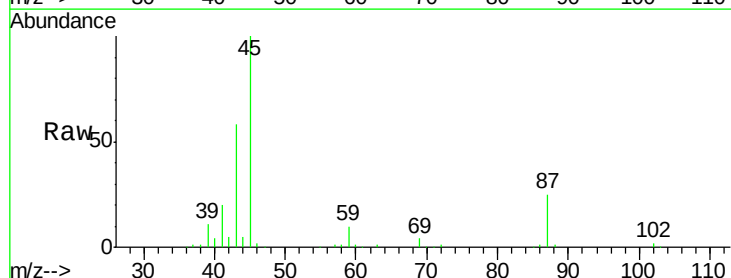
Ion Ratio Lower Upper

45 100

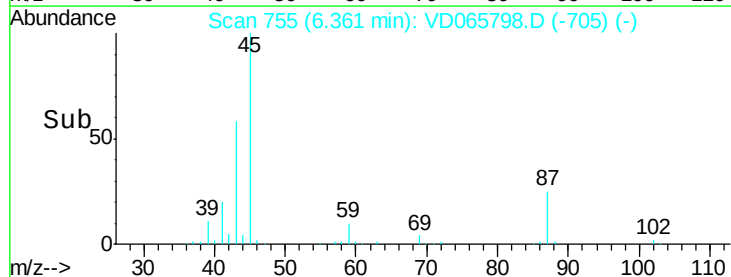
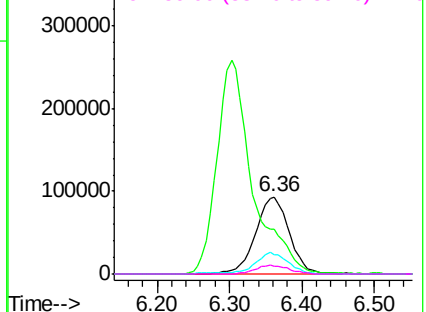
43 56.9 43.4 65.0

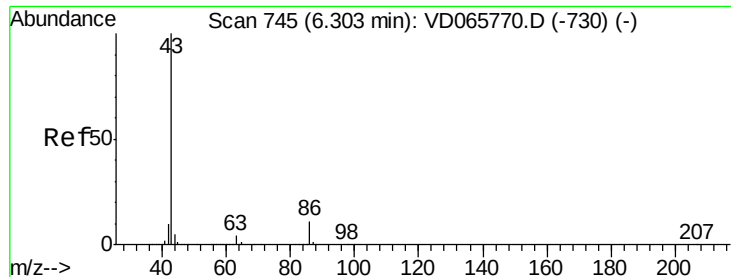
87 25.1 20.2 30.4

59 10.3 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 229.094 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

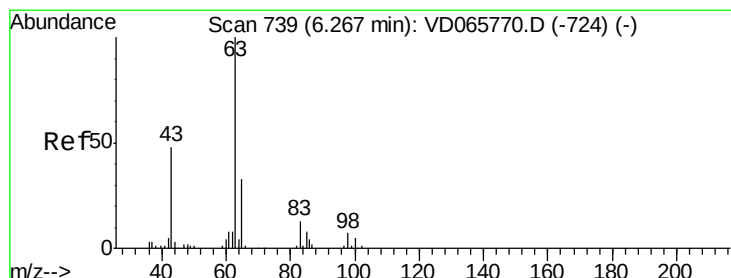
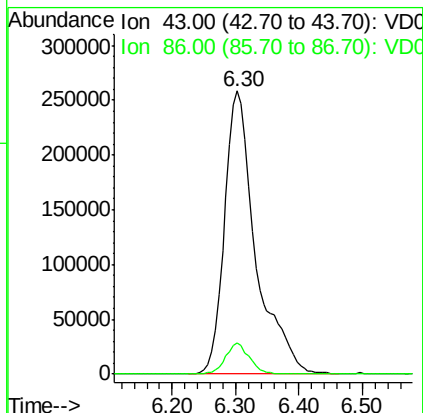
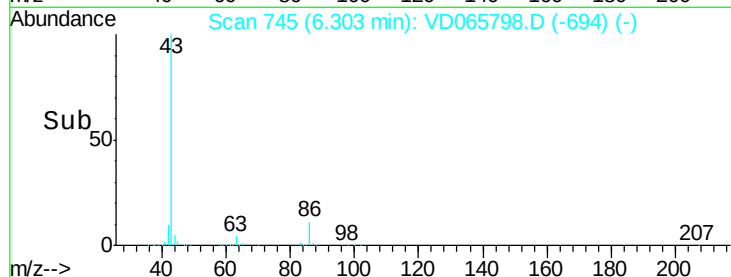
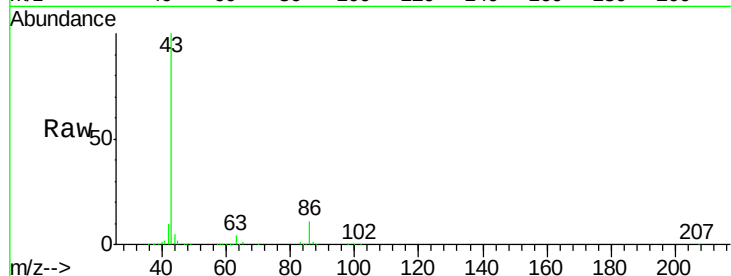
VSTDCCC050

Tot Ion: 43 Resp: 883939

Ion Ratio Lower Upper

43 100

86 10.9 8.5 12.7



#24

1,1-Dichloroethane

Concen: 43.250 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

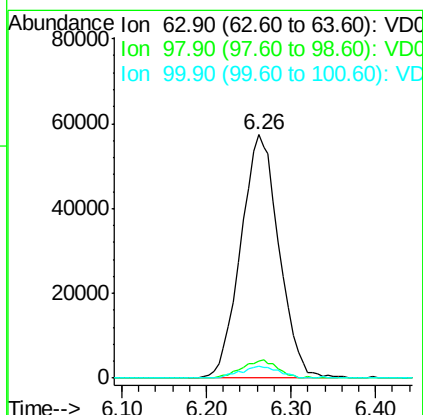
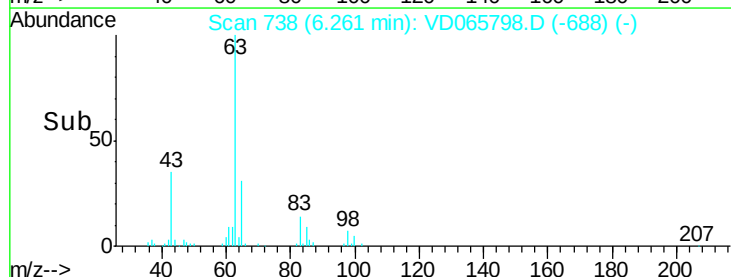
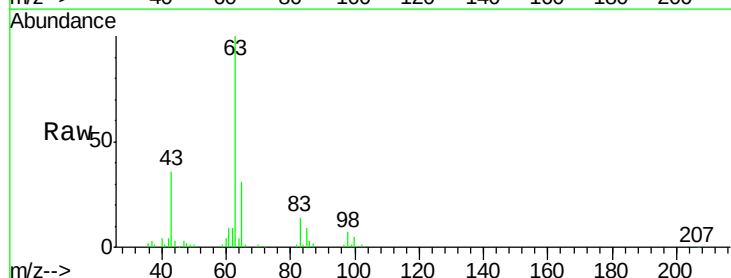
Tgt Ion: 63 Resp: 180058

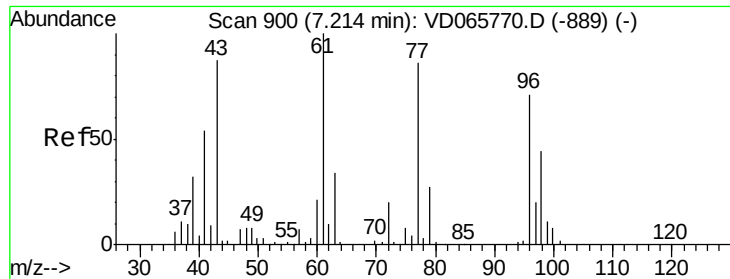
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 5.1 2.3 6.9





#25

2-Butanone

Concen: 242.481 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

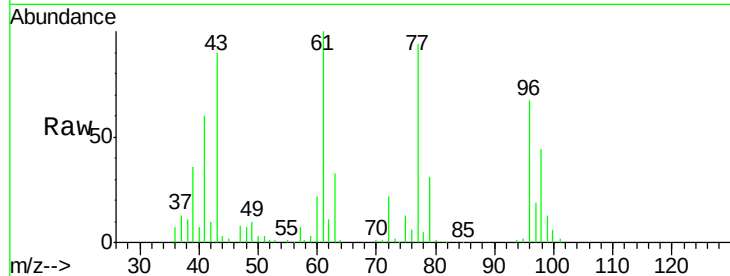
VSTDCCC050

Tot Ion: 43 Resp: 140584

Ion Ratio Lower Upper

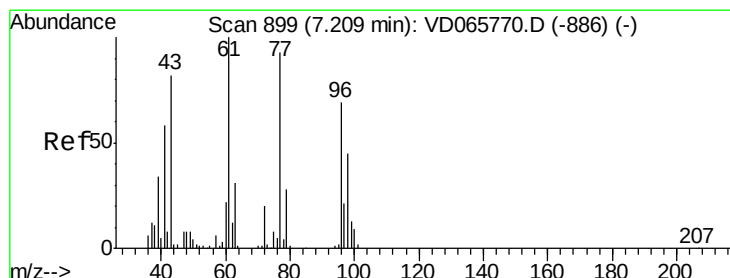
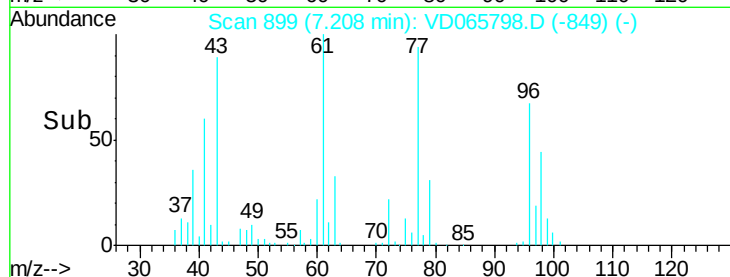
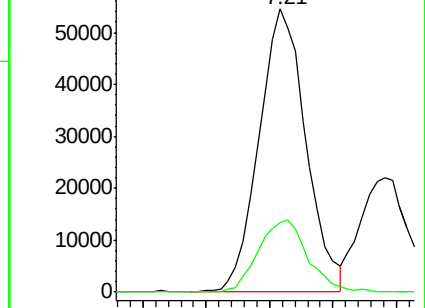
43 100

72 24.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 46.093 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065798.D

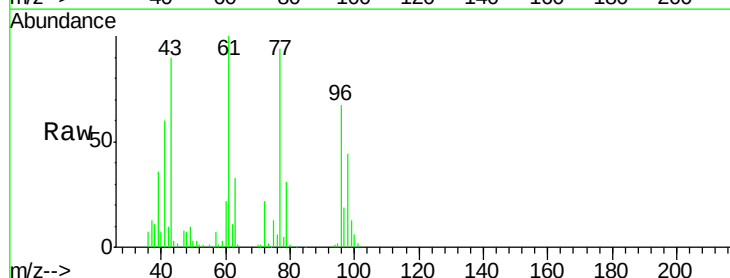
Acq: 18 Jun 2020 10:25

Tgt Ion: 77 Resp: 170150

Ion Ratio Lower Upper

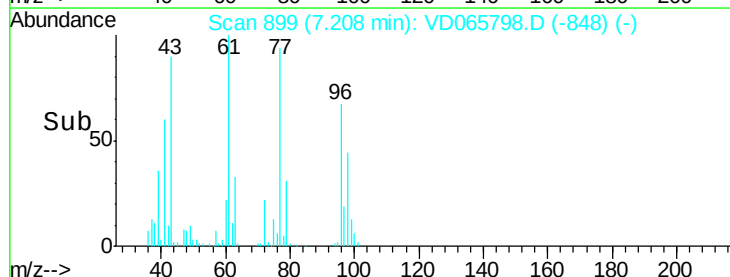
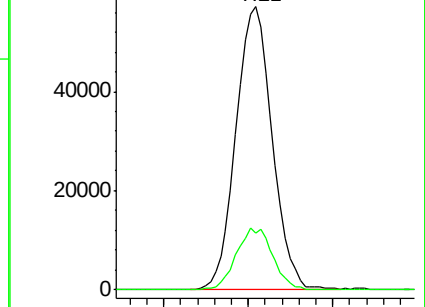
77 100

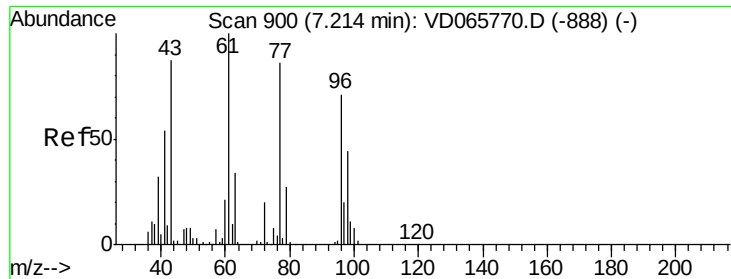
97 21.9 10.9 32.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



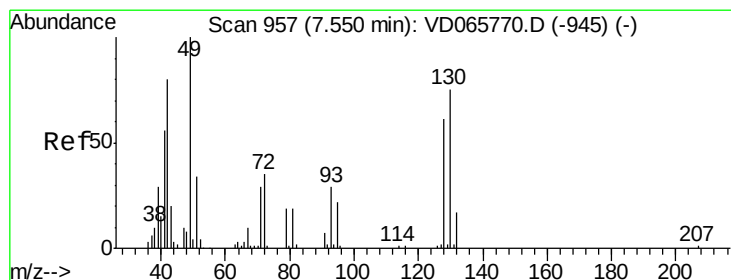
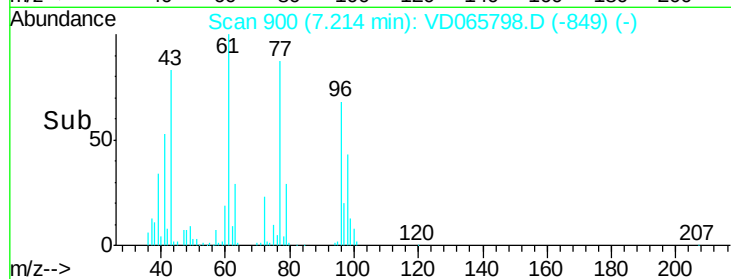
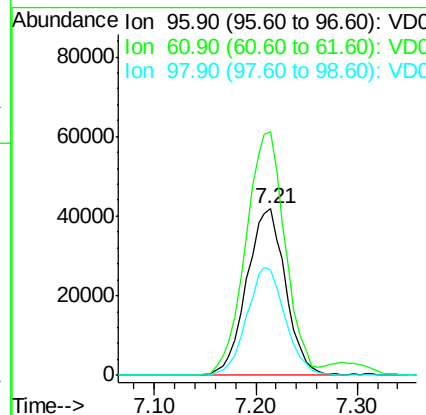
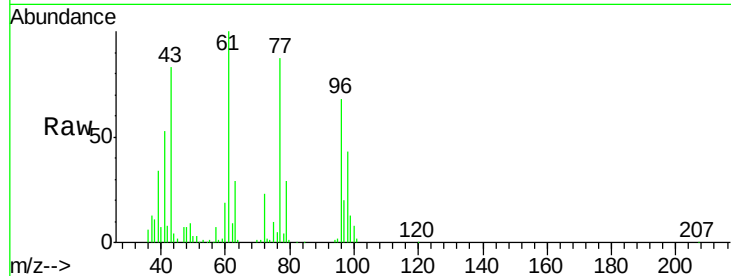


#27

cis-1,2-Dichloroethene
 Concen: 43.366 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065798.D
 Acq: 18 Jun 2020 10:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

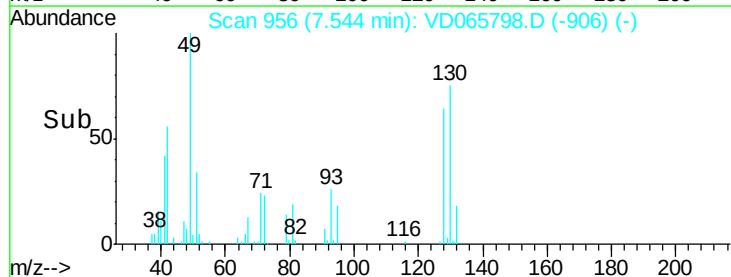
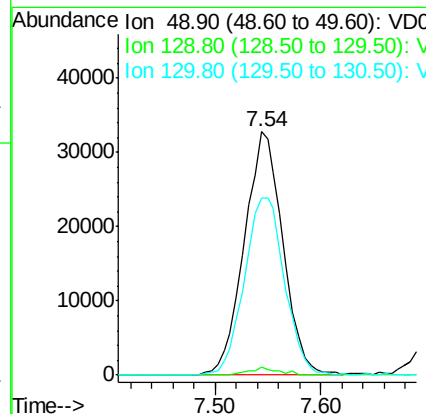
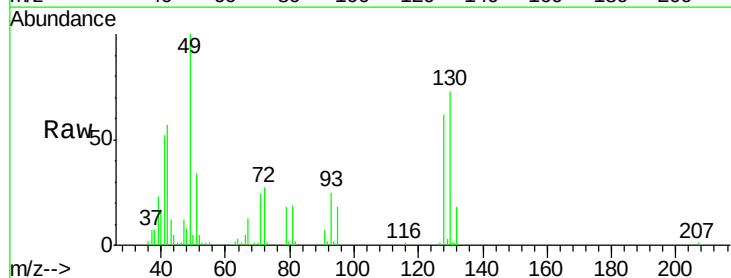
Tot Ion: 96 Resp: 111778
 Ion Ratio Lower Upper
 96 100
 61 148.1 0.0 291.2
 98 63.6 0.0 128.8

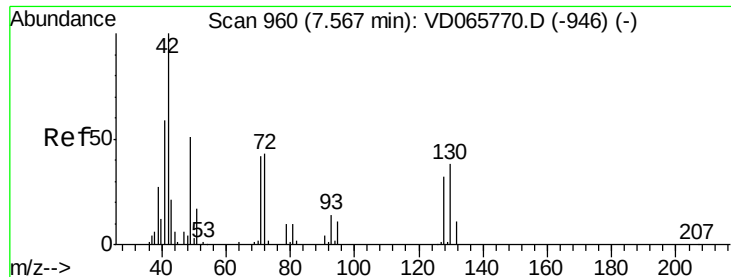


#28

Bromochloromethane
 Concen: 51.613 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065798.D
 Acq: 18 Jun 2020 10:25

Tgt Ion: 49 Resp: 82991
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.6
 130 75.8 59.5 89.3

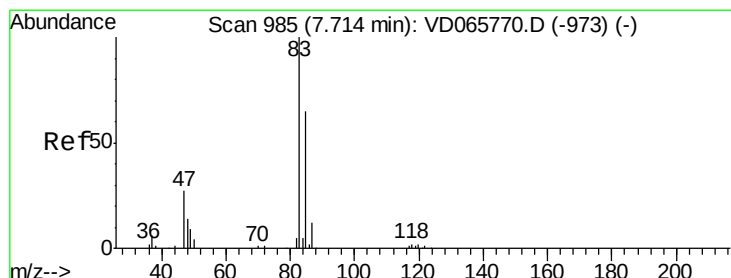
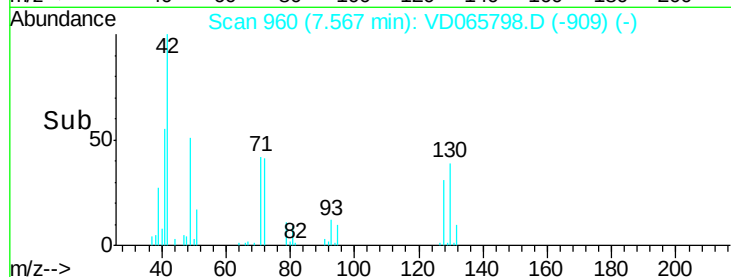
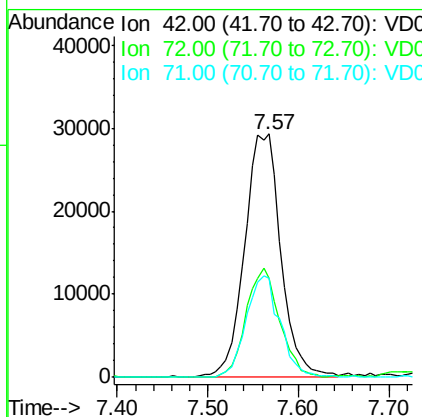
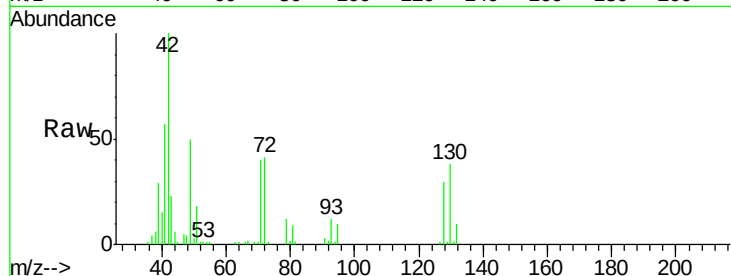




#29
Tetrahydrofuran
Concen: 223.069 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

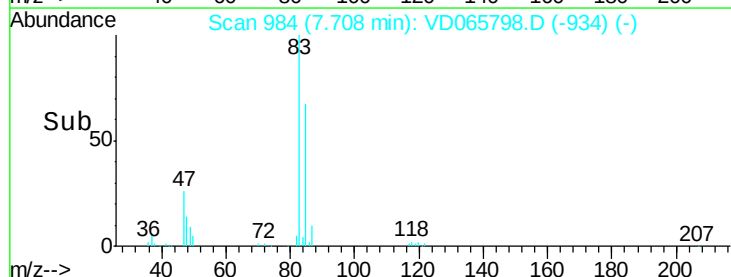
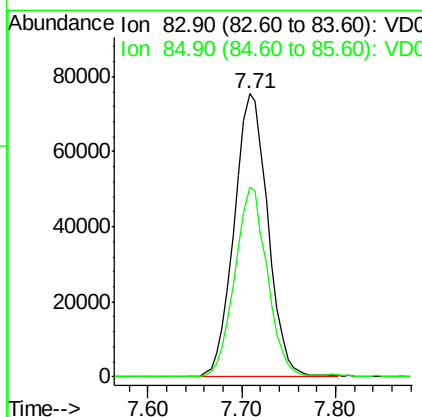
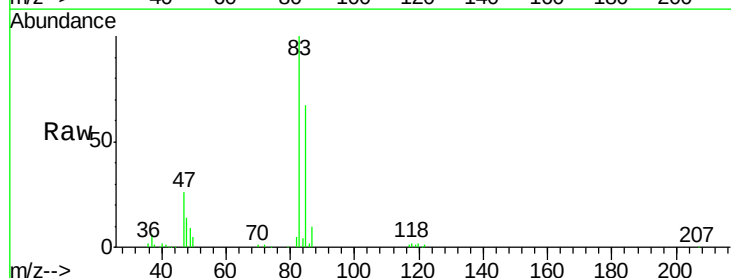
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

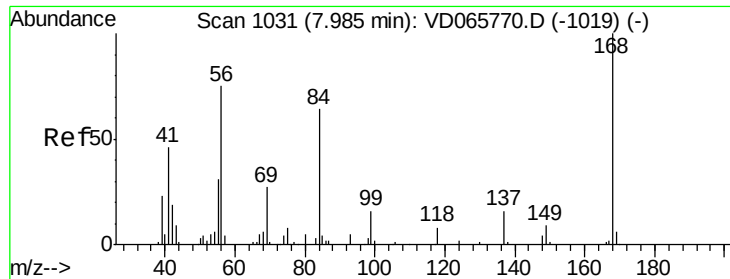
Tot Ion: 42 Resp: 81739
Ion Ratio Lower Upper
42 100
72 41.5 34.9 52.3
71 38.9 31.2 46.8



#30
Chloroform
Concen: 43.505 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion: 83 Resp: 187734
Ion Ratio Lower Upper
83 100
85 67.3 51.9 77.9

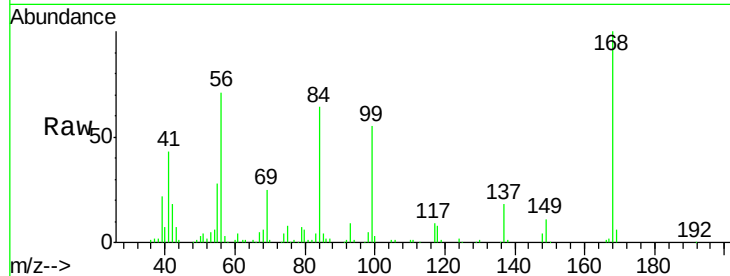




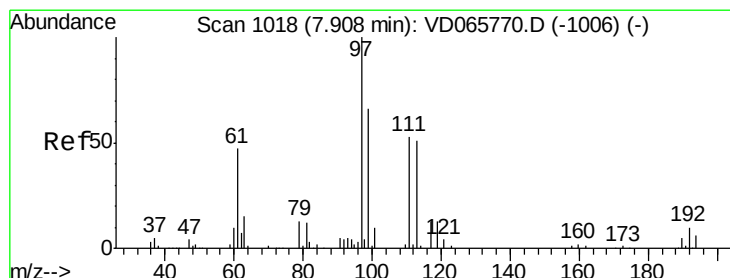
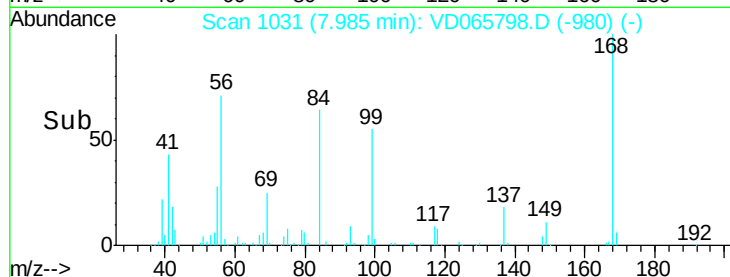
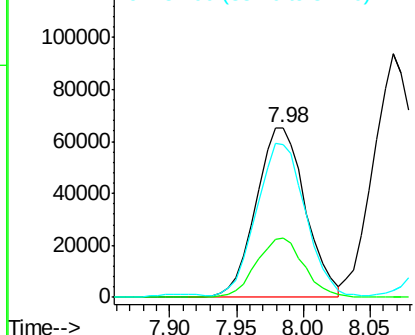
#31
Cyclohexane
Concen: 41.922 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 167316
Ion Ratio Lower Upper
56 100
69 35.2 28.5 42.7
84 88.1 68.4 102.6

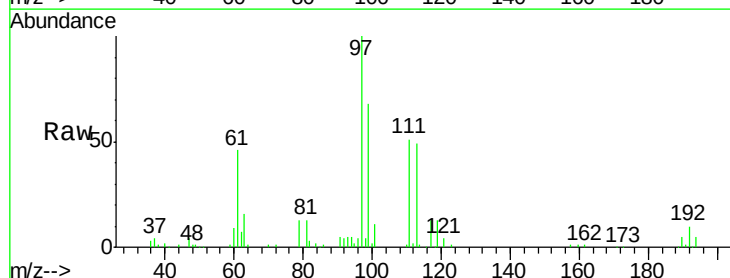


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

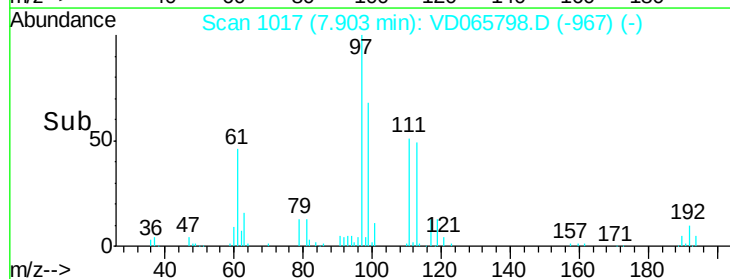
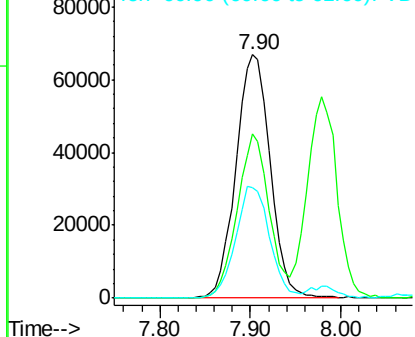


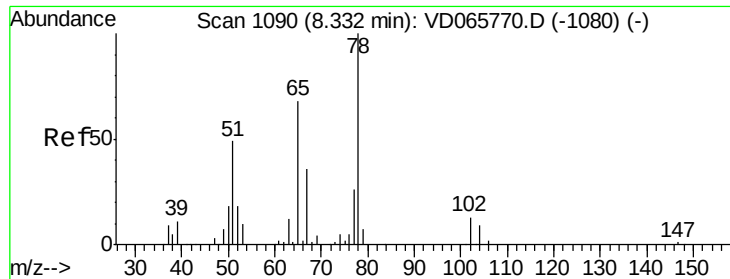
#32
1,1,1-Trichloroethane
Concen: 44.259 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion: 97 Resp: 175618
Ion Ratio Lower Upper
97 100
99 63.4 49.2 73.8
61 45.7 36.0 54.0



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

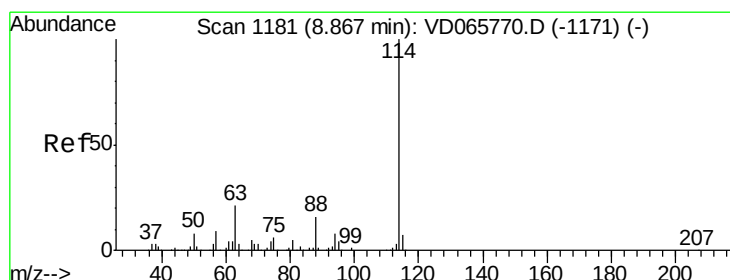
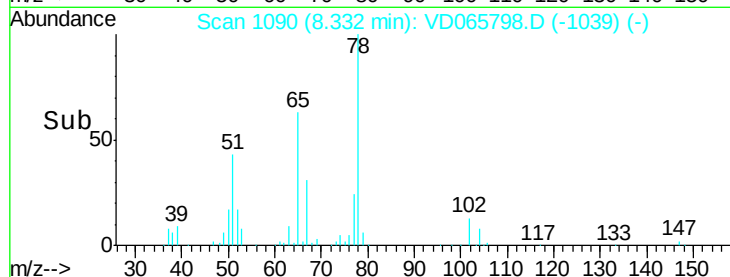
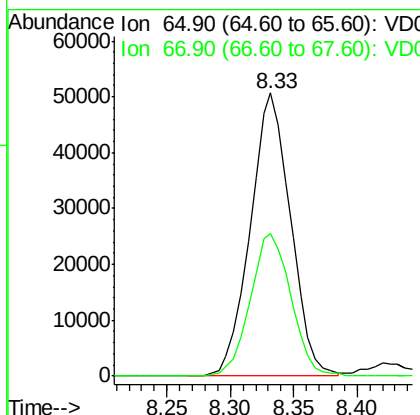
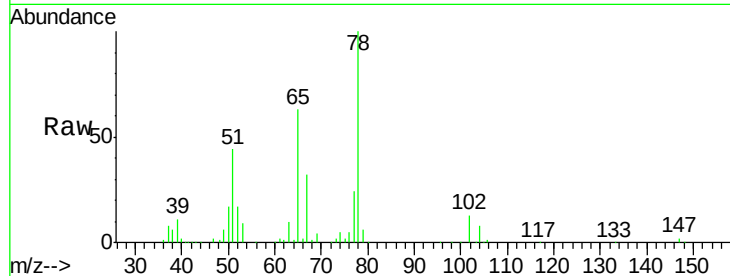




#33
 1,2-Dichloroethane-d4
 Concen: 50.286 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065798.D
 Acq: 18 Jun 2020 10:25

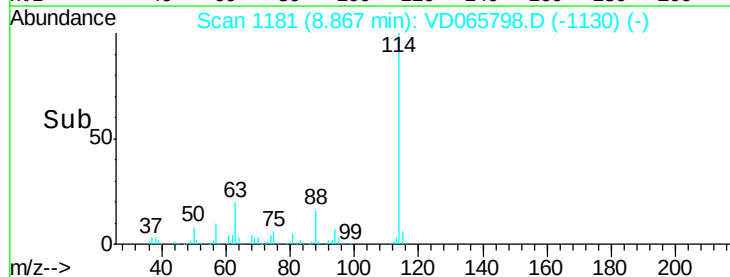
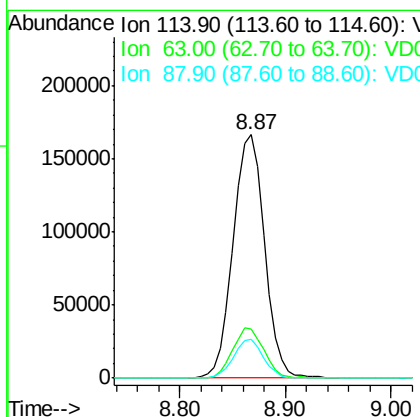
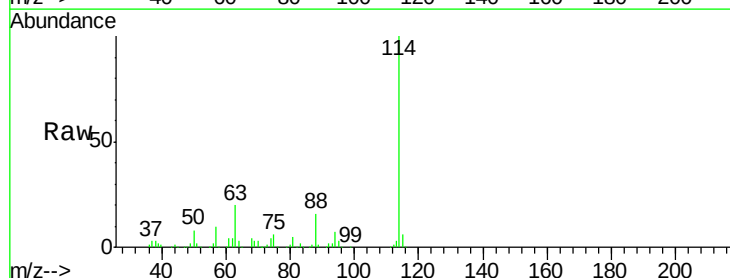
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

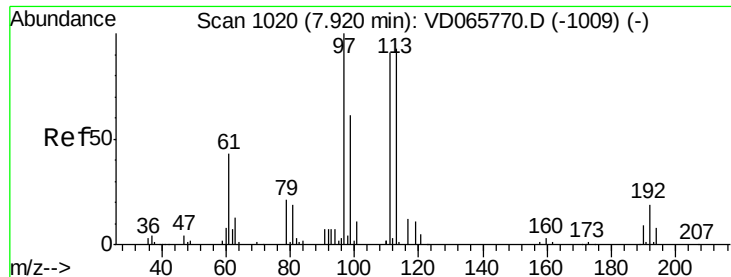
Tot Ion: 65 Resp: 111913
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065798.D
 Acq: 18 Jun 2020 10:25

Tgt Ion: 114 Resp: 343539
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.8
 88 15.8 0.0 32.0

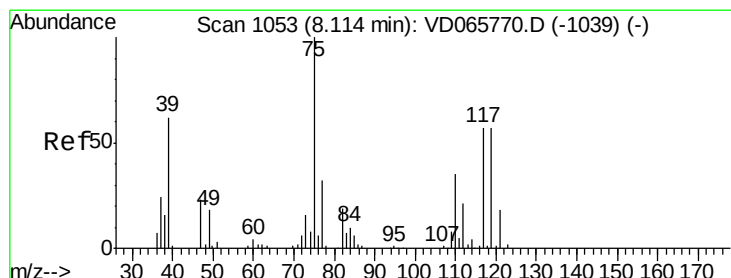
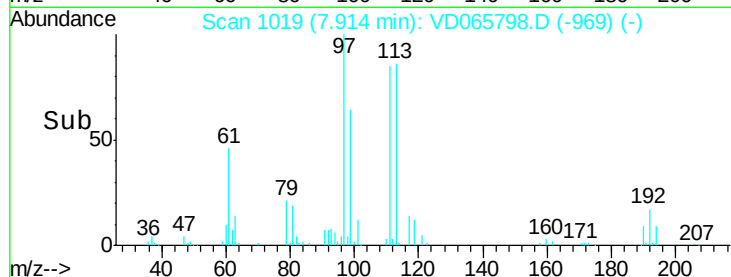
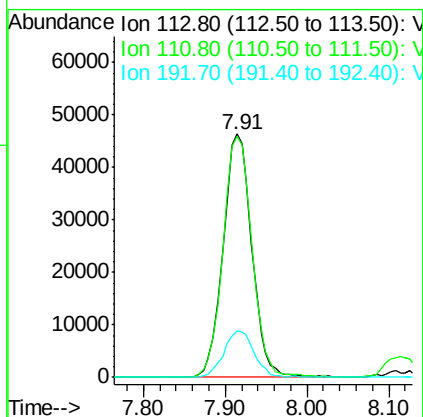
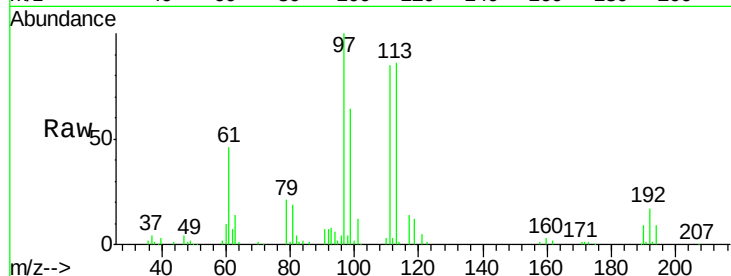




#35
Dibromofluoromethane
Concen: 52.139 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

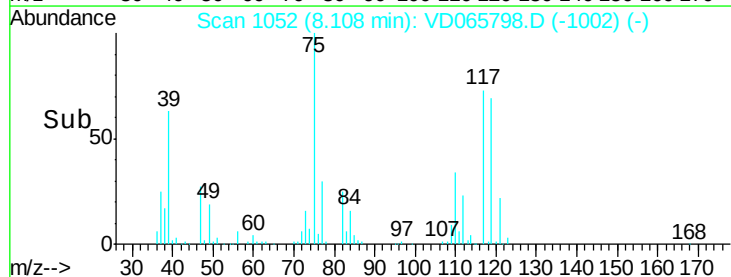
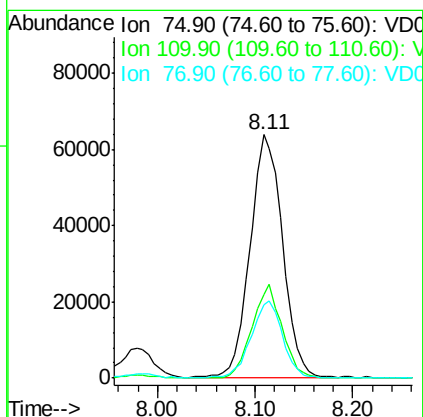
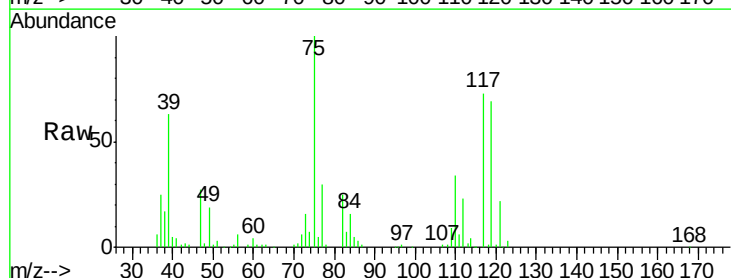
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

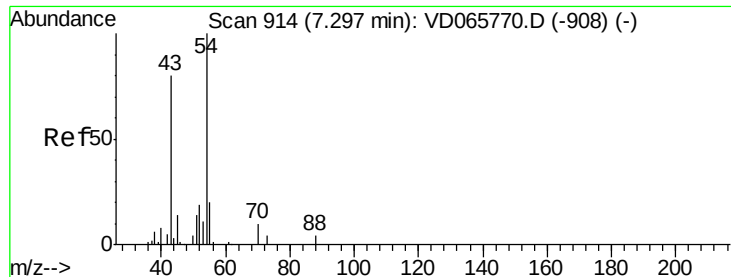
Tot Ion:113 Resp: 113141
Ion Ratio Lower Upper
113 100
111 100.2 83.4 125.0
192 19.9 15.7 23.5



#36
1,1-Dichloropropene
Concen: 45.109 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion: 75 Resp: 148448
Ion Ratio Lower Upper
75 100
110 35.5 17.6 52.8
77 31.1 25.1 37.7

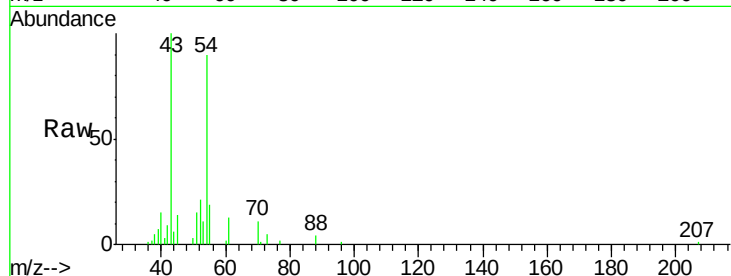




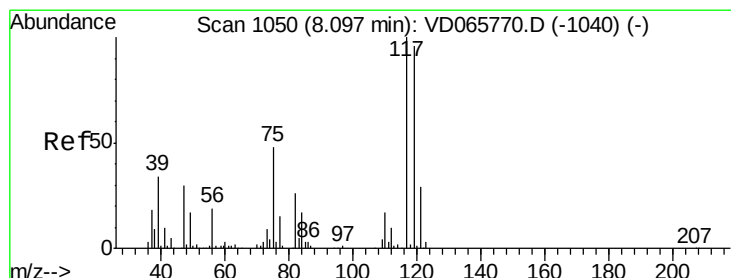
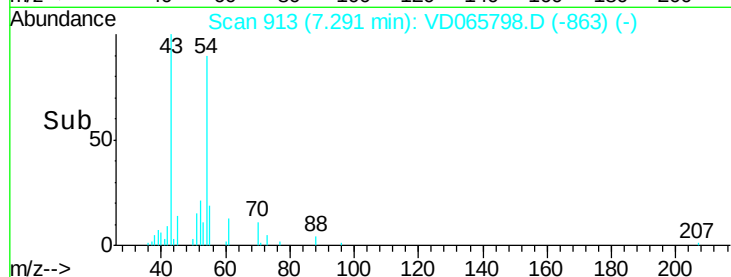
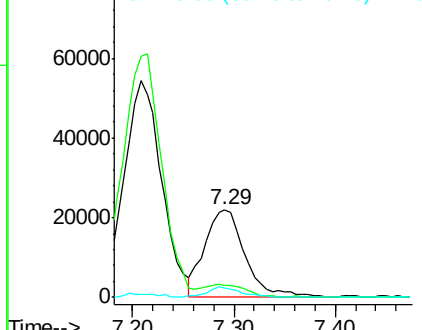
#37
Ethyl Acetate
Concen: 46.132 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 59798
Ion Ratio Lower Upper
43 100
61 15.5 10.6 15.8
70 9.7 7.5 11.3

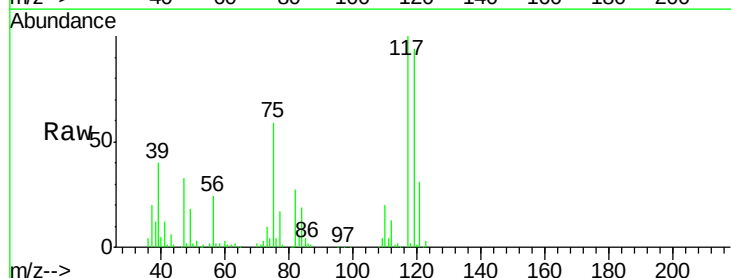


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

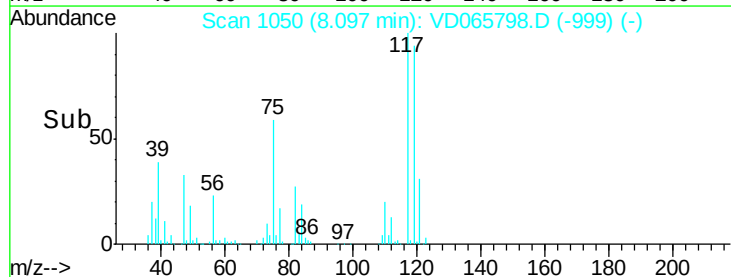
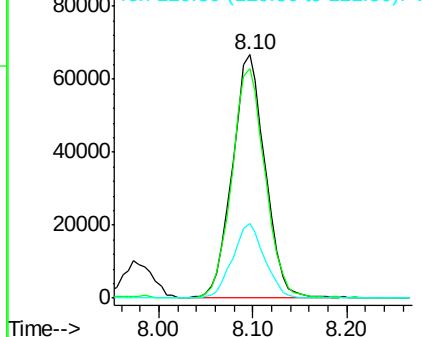


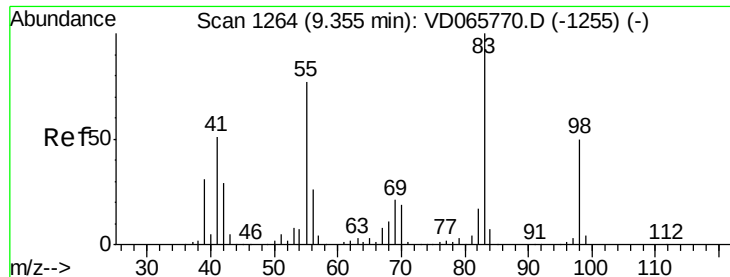
#38
Carbon Tetrachloride
Concen: 46.217 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion: 117 Resp: 160064
Ion Ratio Lower Upper
117 100
119 94.7 76.8 115.2
121 30.7 23.4 35.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

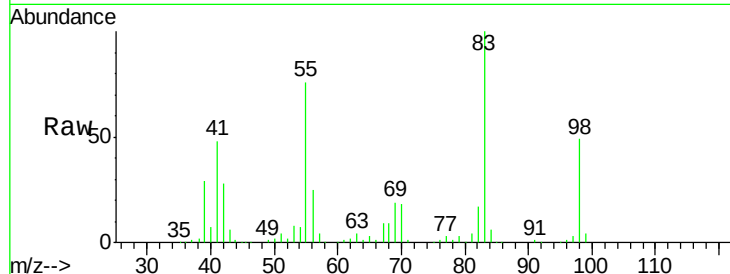




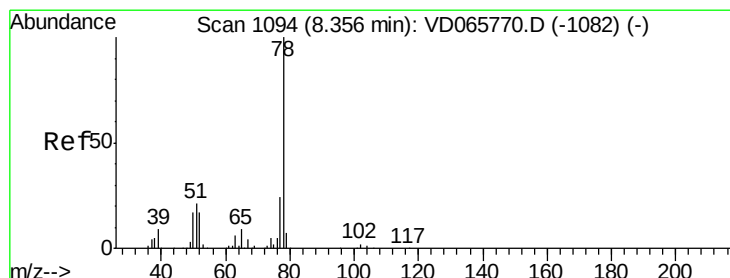
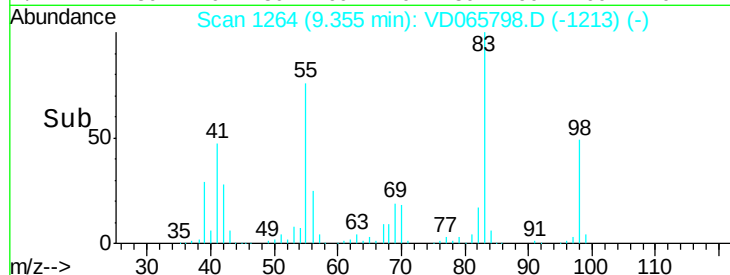
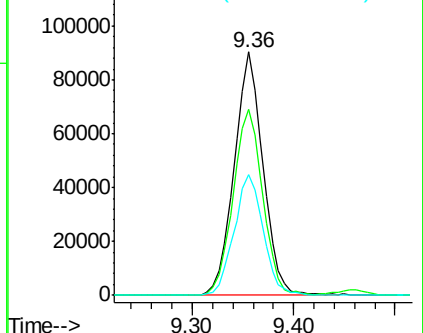
#39
Methylvlcyclohexane
Concen: 45.601 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 177674
Ion Ratio Lower Upper
83 100
55 76.2 61.6 92.4
98 49.4 40.2 60.2

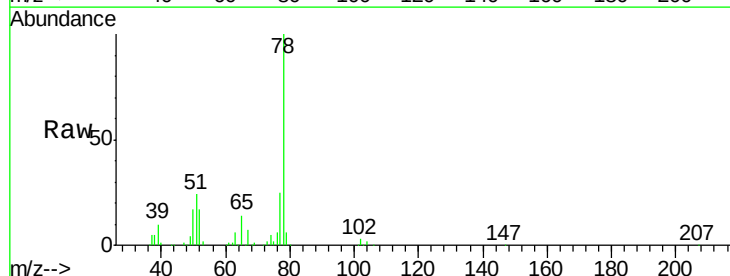


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

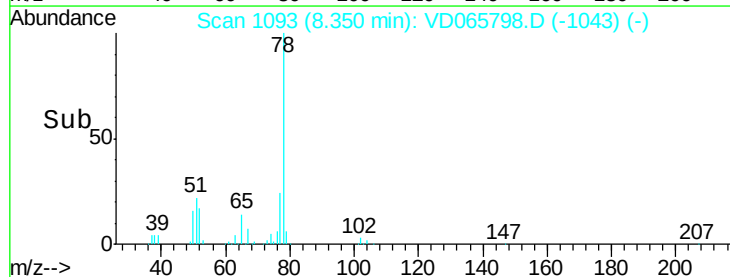
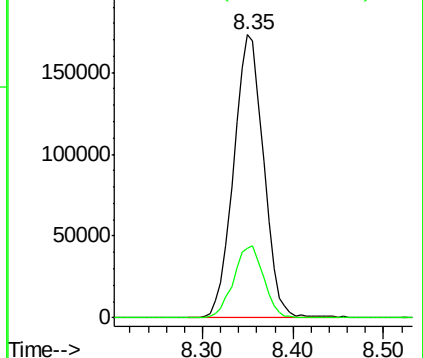


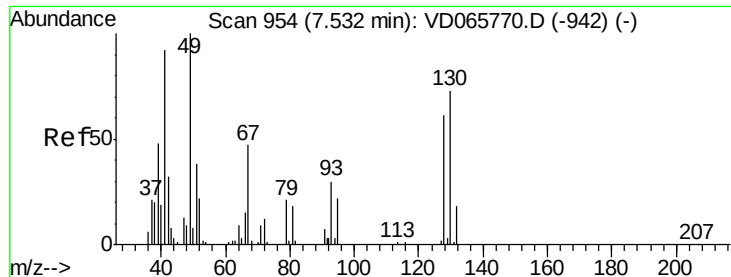
#40
Benzene
Concen: 44.268 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion: 78 Resp: 398264
Ion Ratio Lower Upper
78 100
77 24.7 19.2 28.8



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





#41

Methacrylonitrile

Concen: 46.738 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 36074

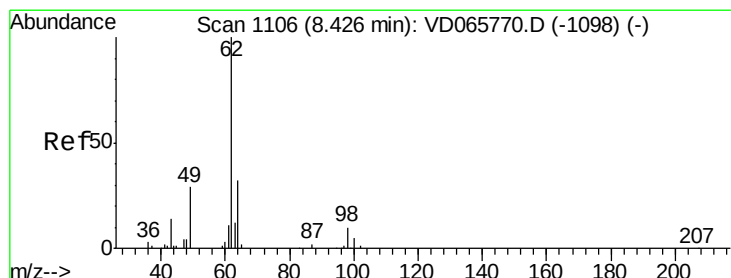
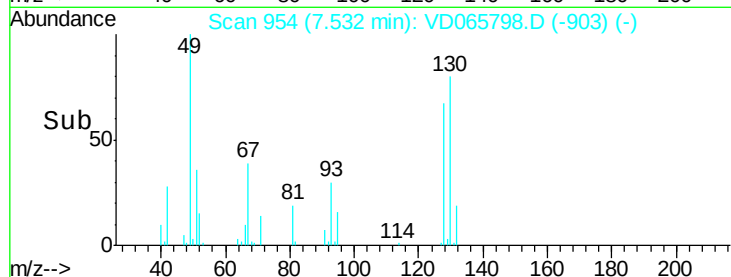
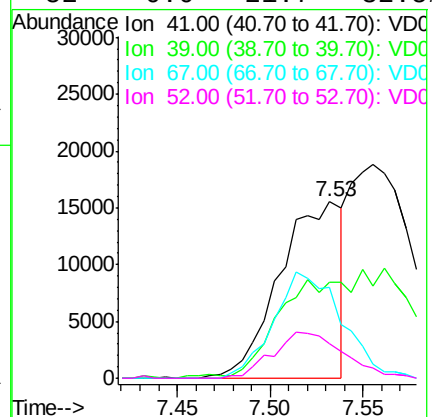
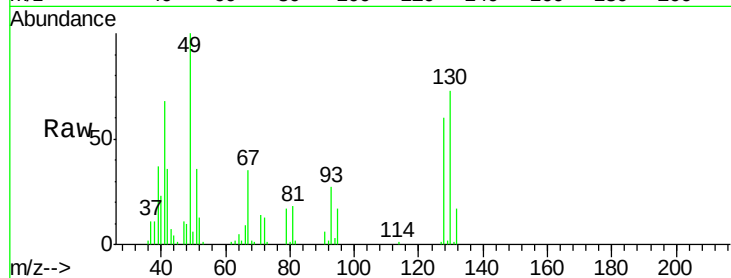
Ion Ratio Lower Upper

41 100

39 0.0 38.3 57.5#

67 0.0 49.8 74.6#

52 0.0 21.7 32.5#



#42

1,2-Dichloroethane

Concen: 43.515 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065798.D

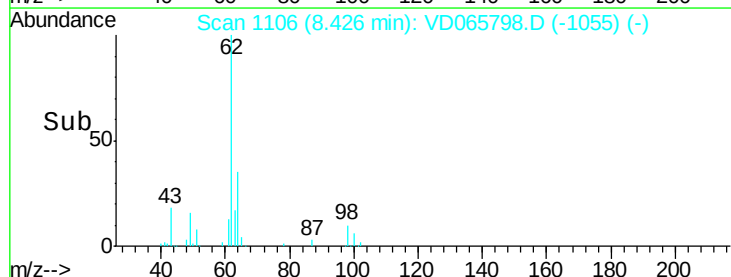
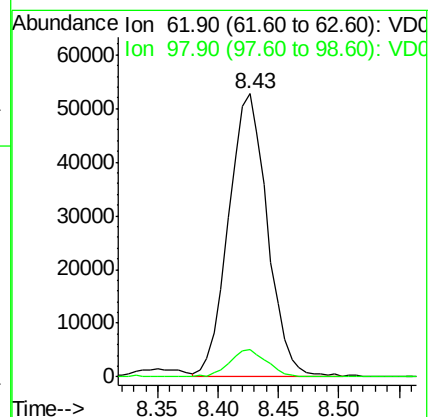
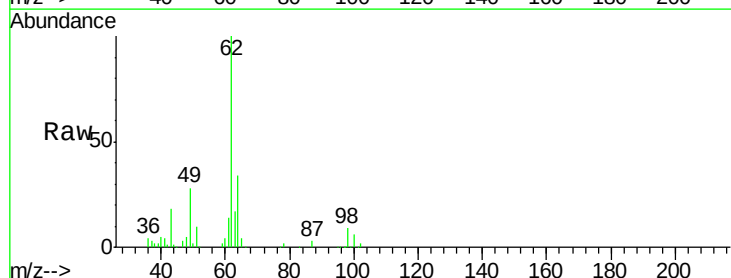
Acq: 18 Jun 2020 10:25

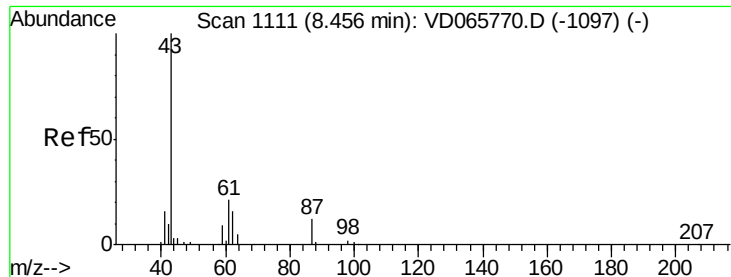
Tgt Ion: 62 Resp: 118121

Ion Ratio Lower Upper

62 100

98 9.2 0.0 18.6





#43

Isopropyl Acetate

Concen: 44.989 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

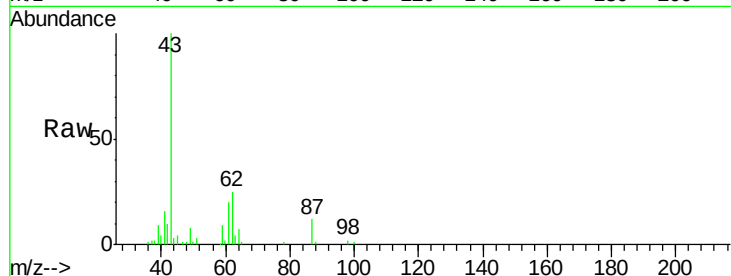
Tot Ion: 43 Resp: 115963

Ion Ratio Lower Upper

43 100

61 28.8 24.2 36.4

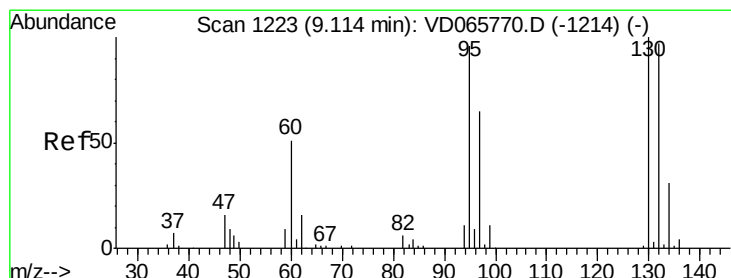
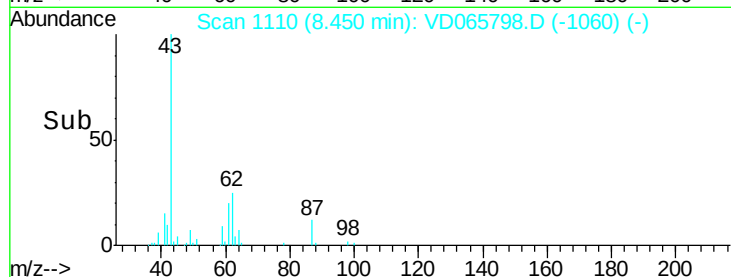
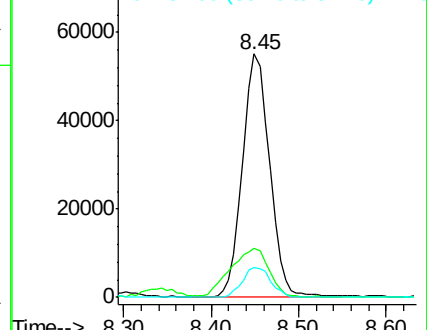
87 12.7 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 44.840 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065798.D

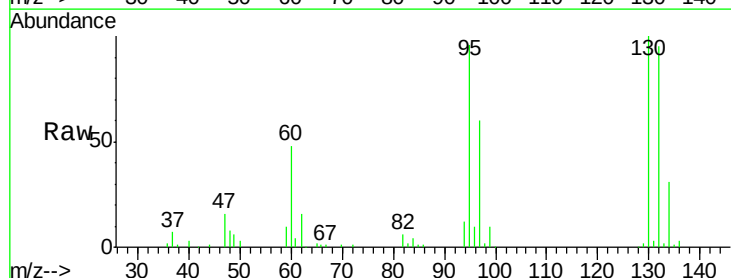
Acq: 18 Jun 2020 10:25

Tgt Ion:130 Resp: 112264

Ion Ratio Lower Upper

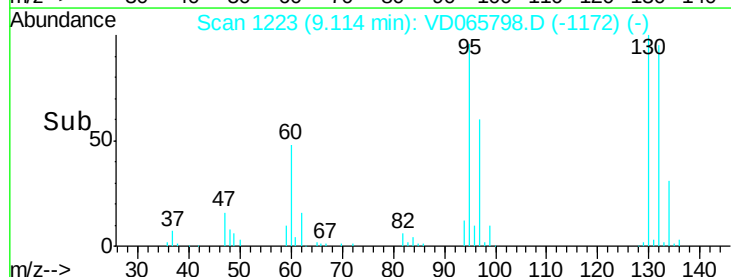
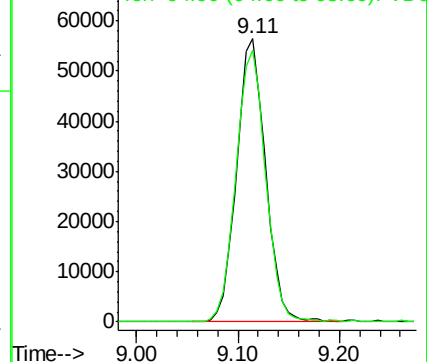
130 100

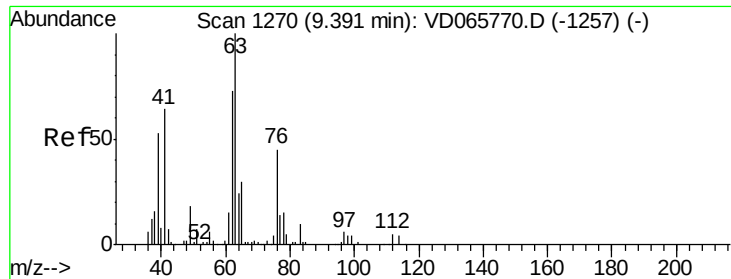
95 96.1 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

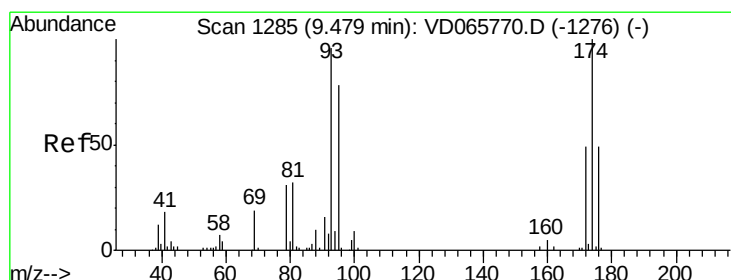
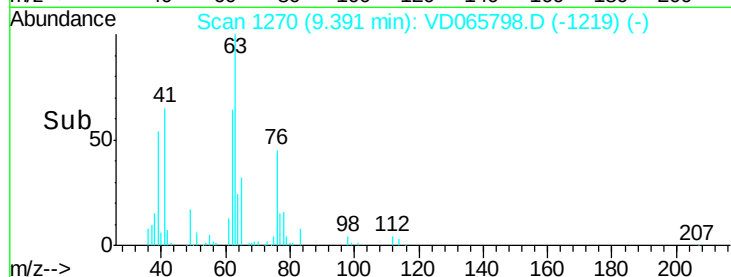
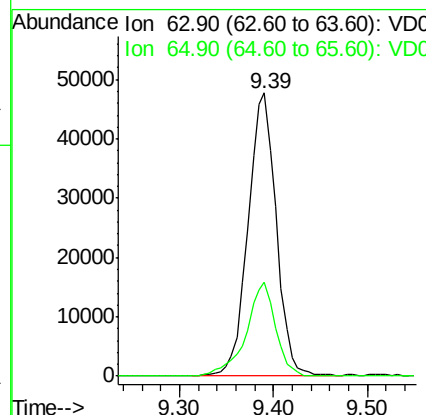
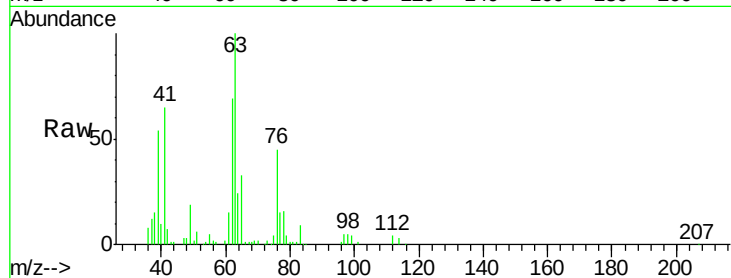




#45
 1,2-Dichloropropane
 Concen: 44.014 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065798.D
 Acq: 18 Jun 2020 10:25

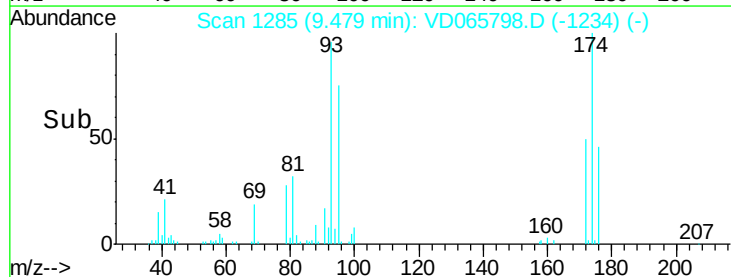
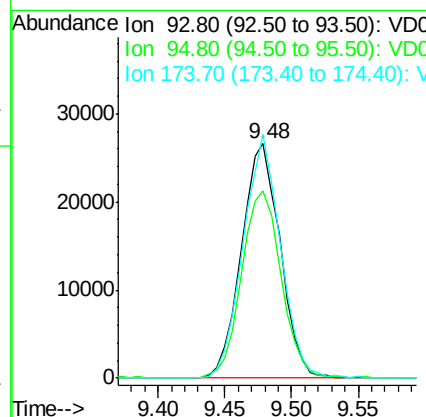
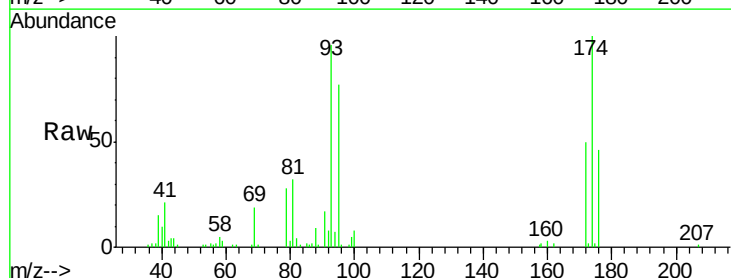
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

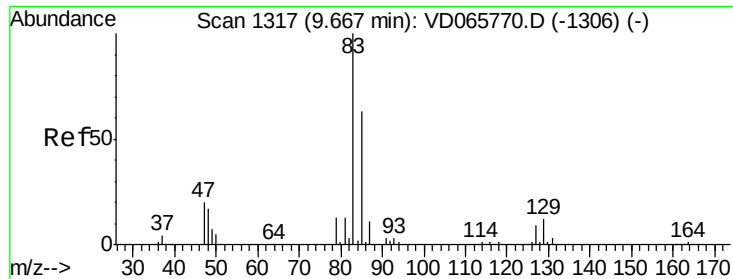
Tot Ion: 63 Resp: 99495
 Ion Ratio Lower Upper
 63 100
 65 33.0 24.2 36.2



#46
 Dibromomethane
 Concen: 43.568 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065798.D
 Acq: 18 Jun 2020 10:25

Tgt Ion: 93 Resp: 53415
 Ion Ratio Lower Upper
 93 100
 95 81.7 65.8 98.6
 174 100.2 80.9 121.3

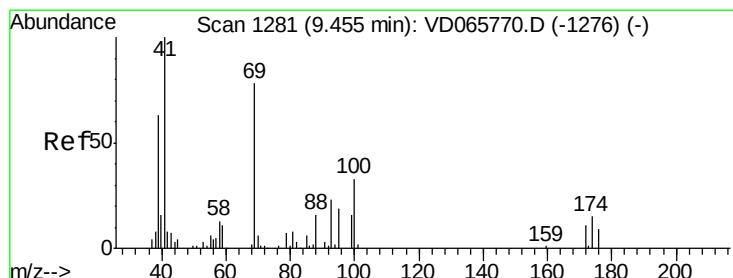
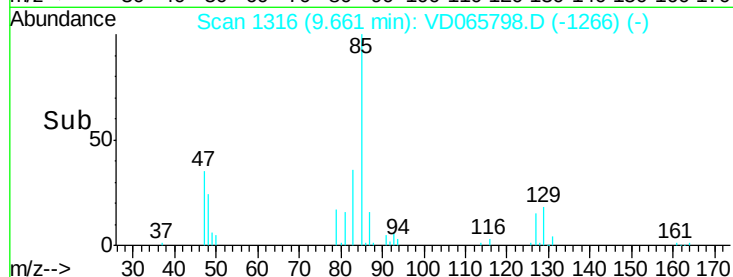
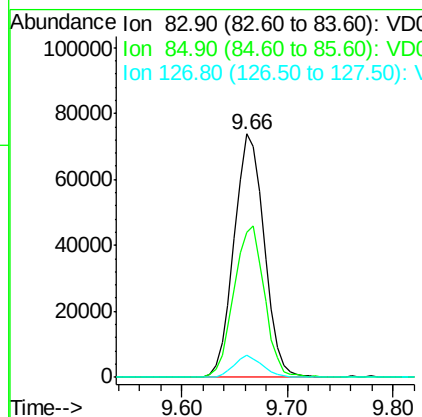
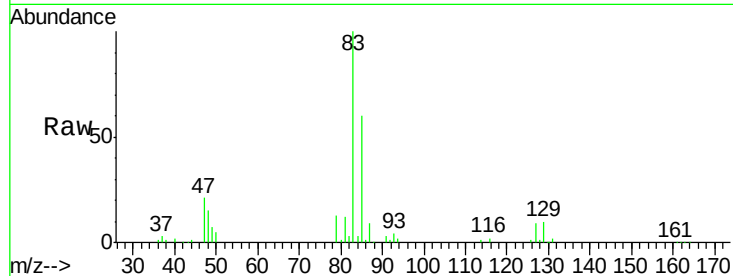




#47
Bromodichloromethane
Concen: 44.456 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

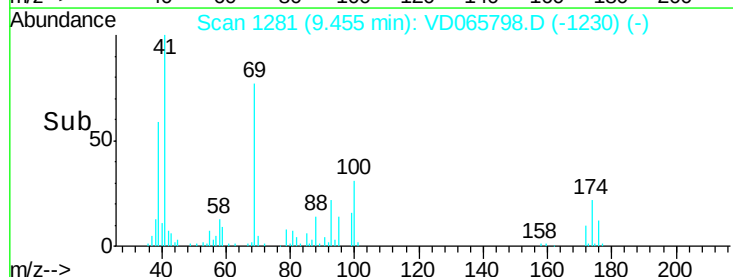
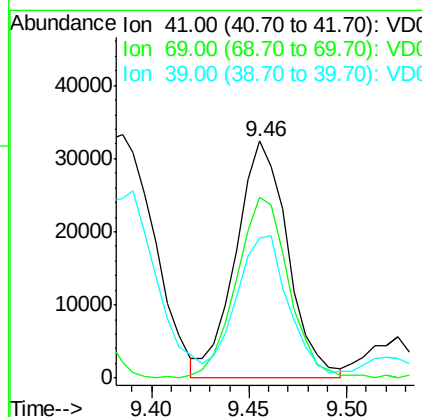
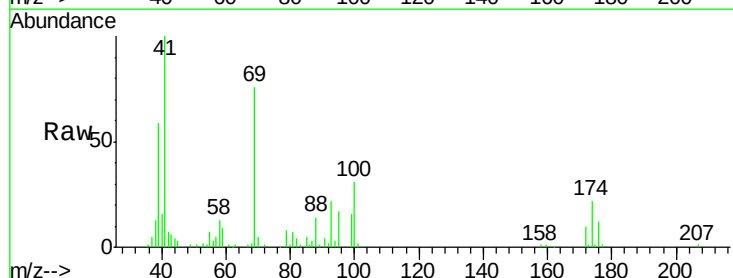
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

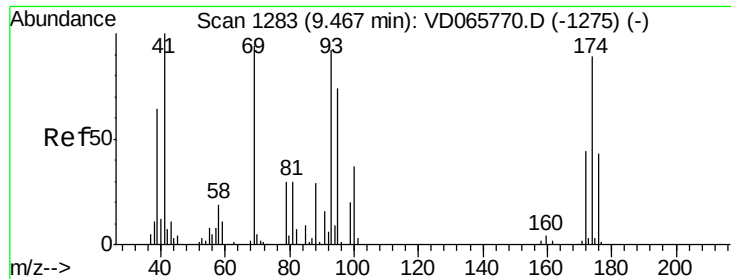
Tot Ion: 83 Resp: 146053
Ion Ratio Lower Upper
83 100
85 59.8 50.7 76.1
127 8.9 7.1 10.7



#48
Methyl methacrylate
Concen: 47.659 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion: 41 Resp: 59463
Ion Ratio Lower Upper
41 100
69 77.2 60.9 91.3
39 55.5 48.1 72.1

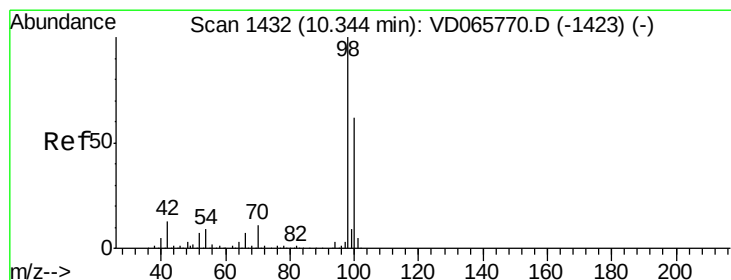
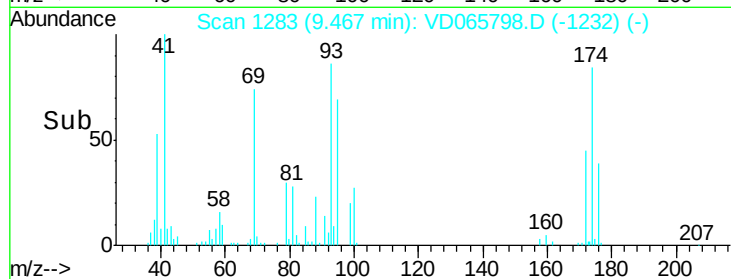
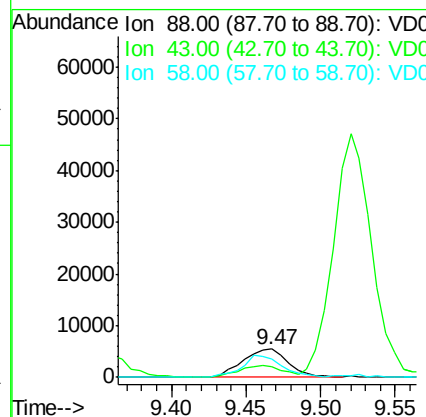
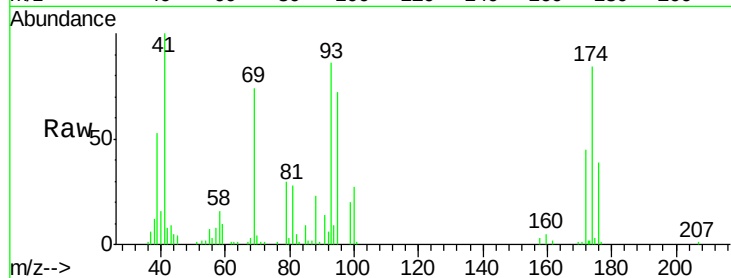




#49
1,4-Dioxane
Concen: 888.091 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

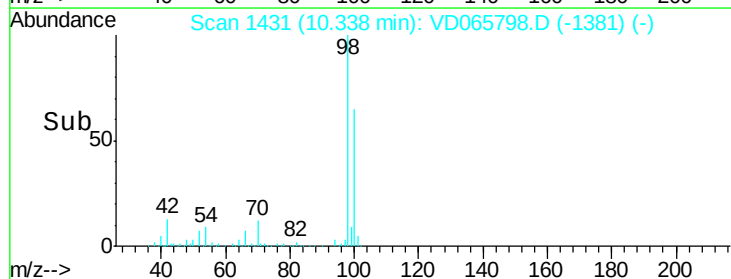
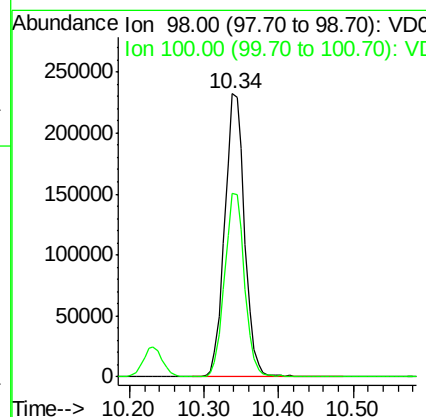
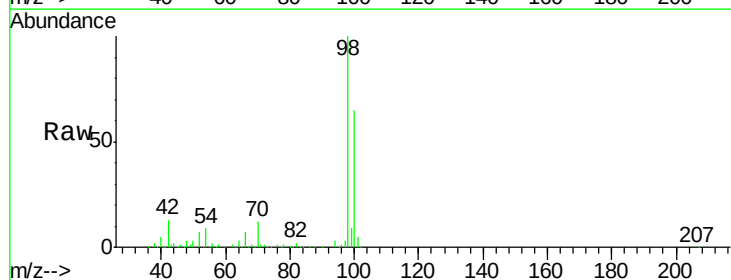
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

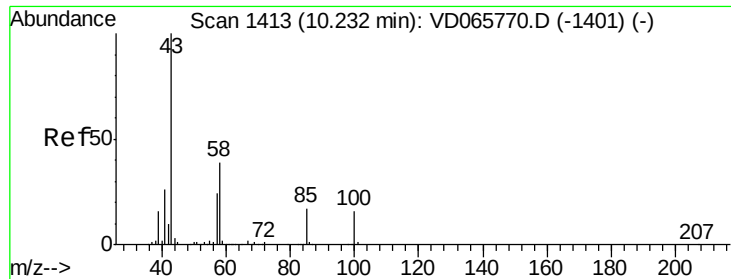
Tot Ion: 88 Resp: 11589
Ion Ratio Lower Upper
88 100
43 41.8 32.2 48.4
58 68.4 54.9 82.3



#50
Toluene-d8
Concen: 53.139 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion: 98 Resp: 429984
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.2

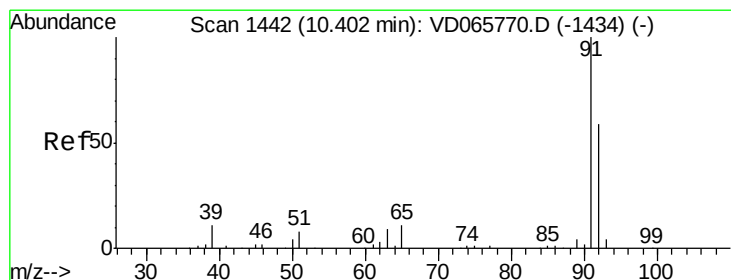
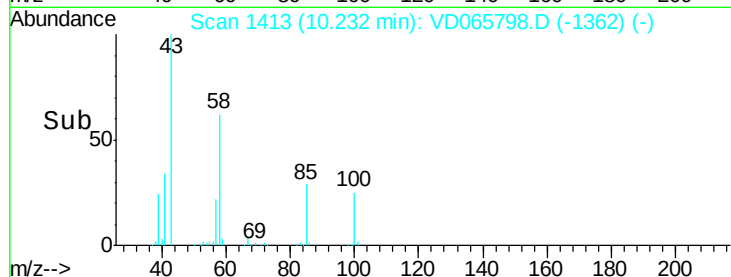
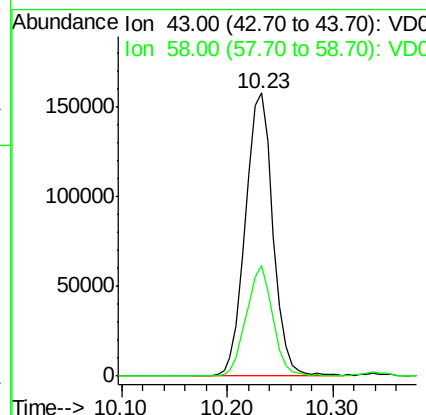
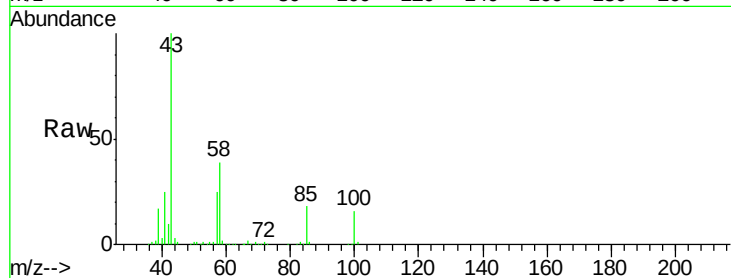




#51
4-Methyl-2-Pentanone
Concen: 227.127 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

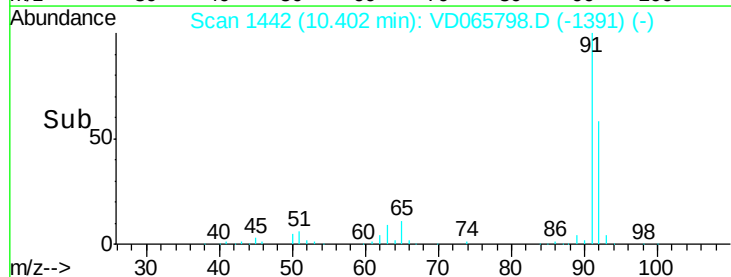
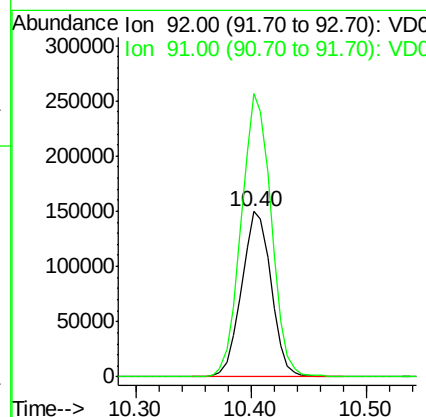
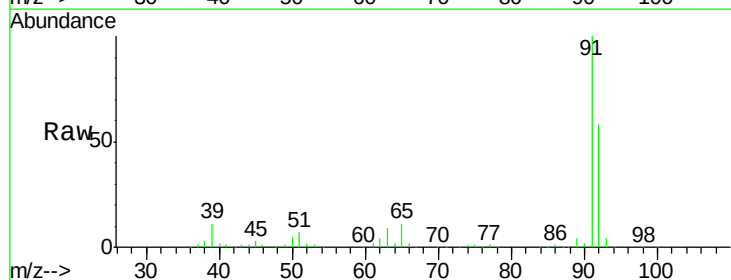
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

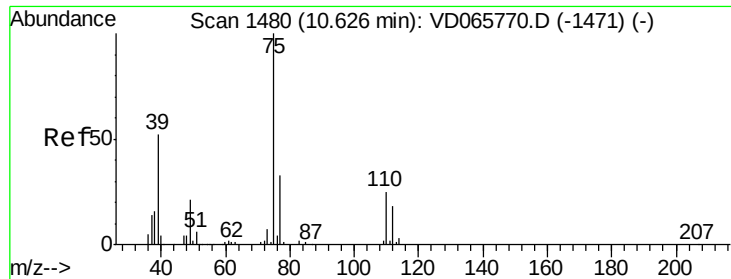
Tot Ion: 43 Resp: 286870
Ion Ratio Lower Upper
43 100
58 37.4 30.7 46.1



#52
Toluene
Concen: 45.713 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion: 92 Resp: 267225
Ion Ratio Lower Upper
92 100
91 173.2 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 46.628 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

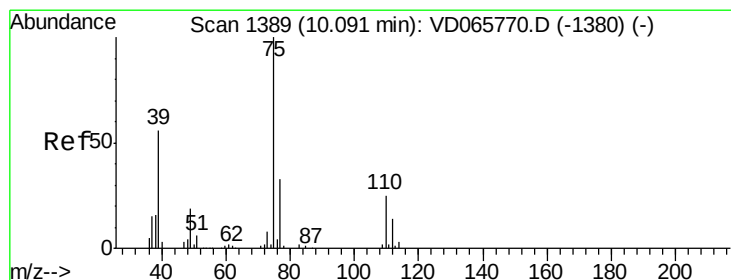
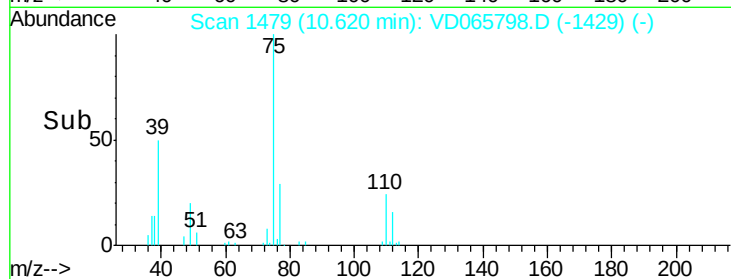
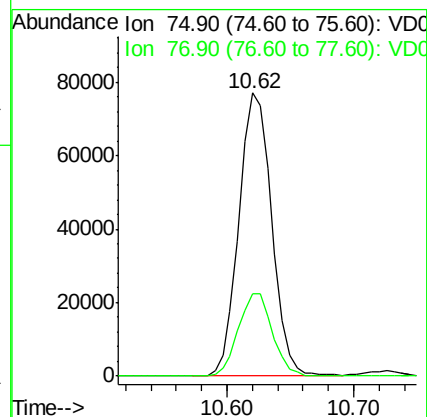
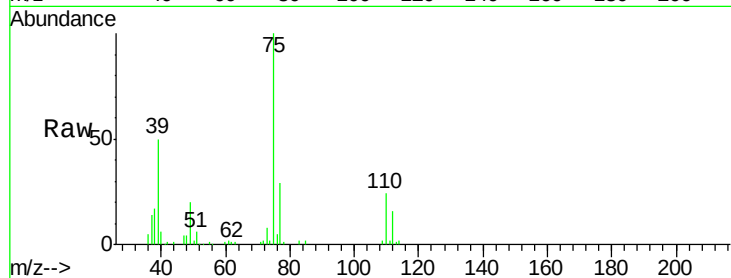
VSTDCCC050

Tot Ion: 75 Resp: 138717

Ion Ratio Lower Upper

75 100

77 29.2 26.4 39.6



#54

cis-1,3-Dichloropropene

Concen: 45.854 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

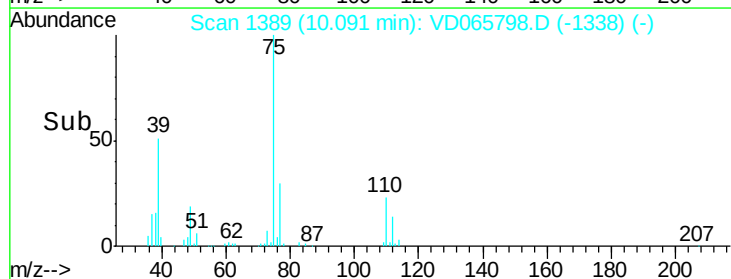
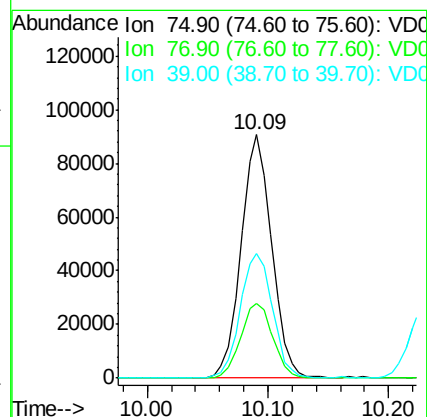
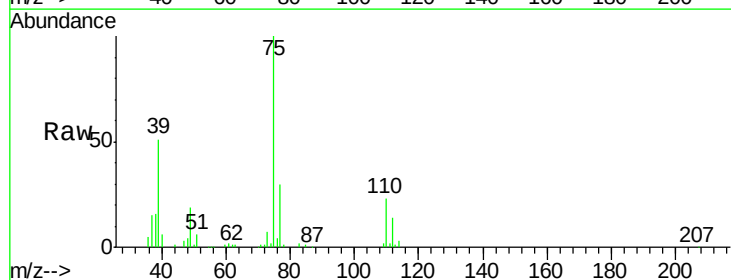
Tgt Ion: 75 Resp: 161111

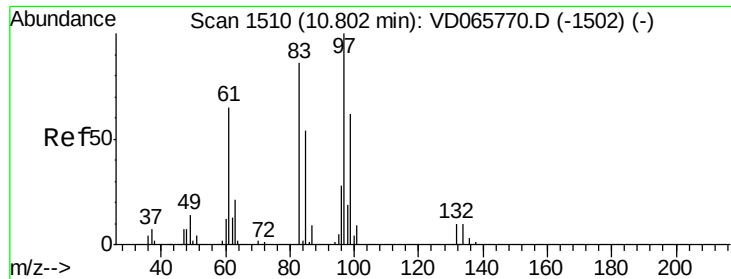
Ion Ratio Lower Upper

75 100

77 30.5 26.0 39.0

39 51.2 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 45.337 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 74268

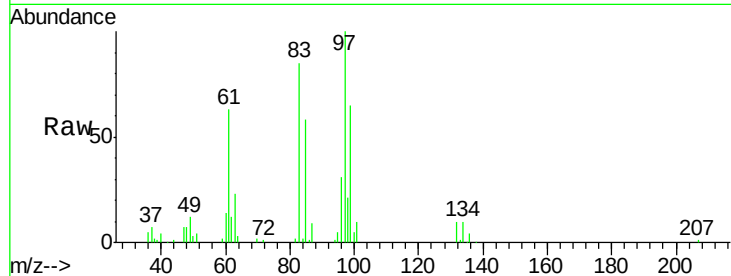
Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.7	103.1
85	57.8	43.0	64.6
99	64.1	49.8	74.6

97 100

83 84.7 68.7 103.1

85 57.8 43.0 64.6

99 64.1 49.8 74.6



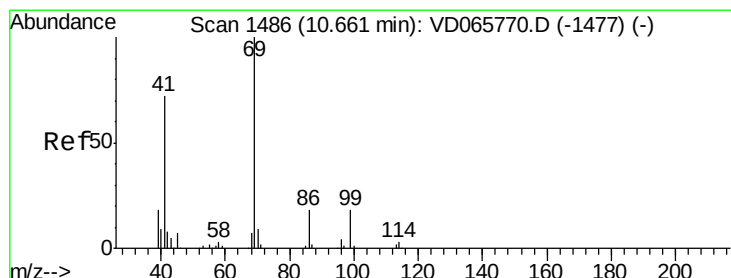
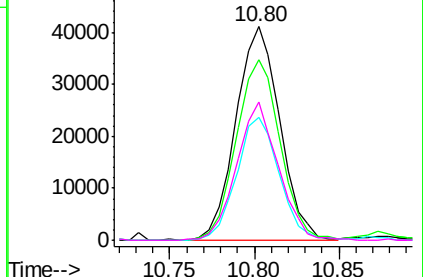
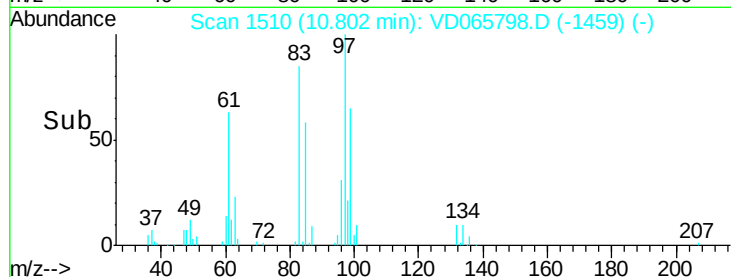
Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Time-->



#56

Ethyl methacrylate

Concen: 46.438 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

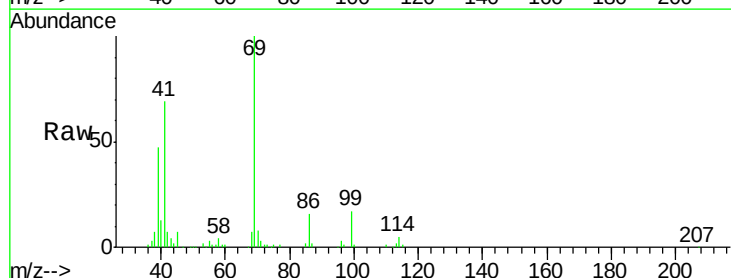
Tgt Ion: 69 Resp: 89477

Ion	Ratio	Lower	Upper
69	100		
41	69.2	56.9	85.3
39	43.6	36.0	54.0

69 100

41 69.2 56.9 85.3

39 43.6 36.0 54.0

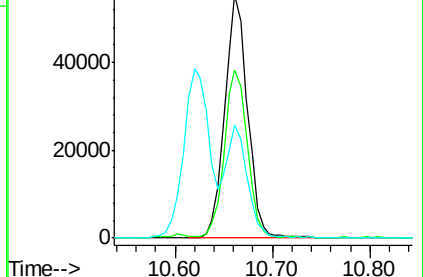
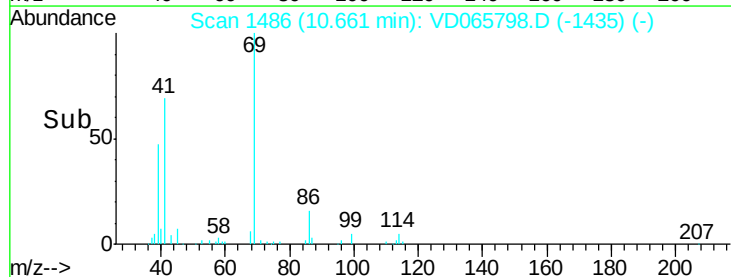


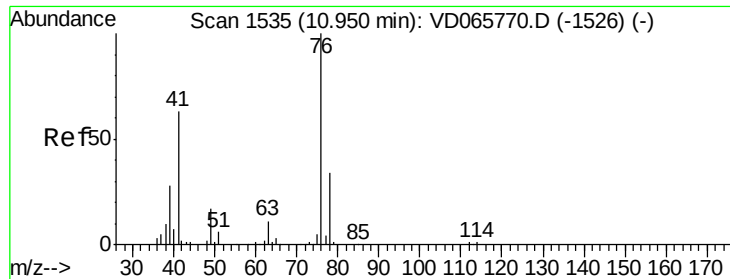
Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Time-->





#57

1,3-Dichloropropane

Concen: 44.412 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

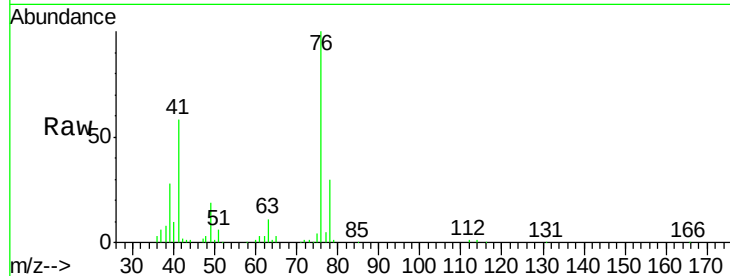
VSTDCCC050

Tot Ion: 76 Resp: 126043

Ion Ratio Lower Upper

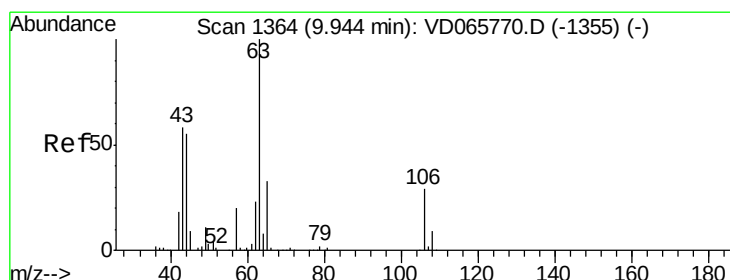
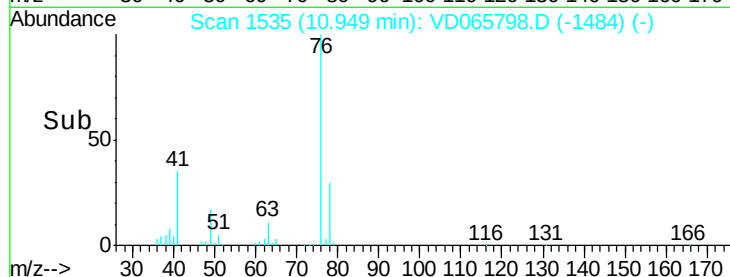
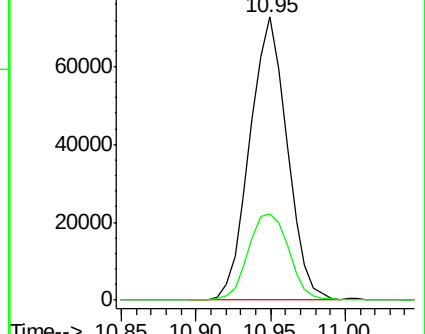
76 100

78 33.0 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 263.529 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065798.D

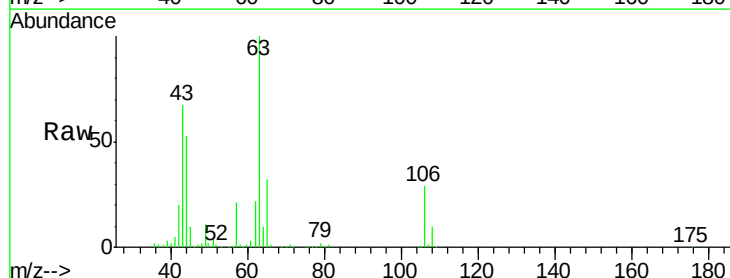
Acq: 18 Jun 2020 10:25

Tgt Ion: 63 Resp: 236068

Ion Ratio Lower Upper

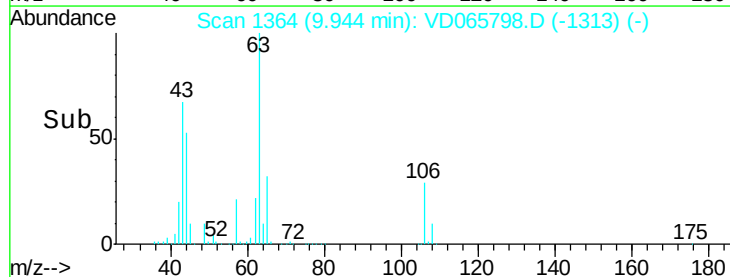
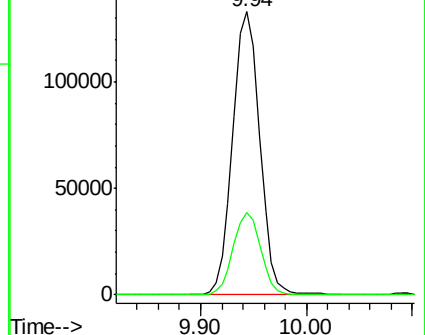
63 100

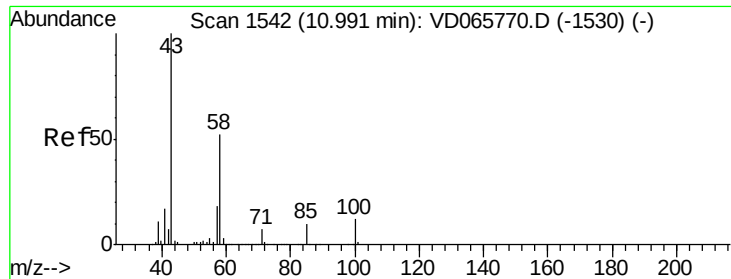
106 29.5 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

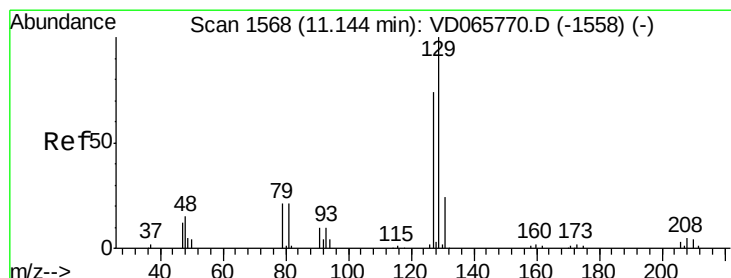
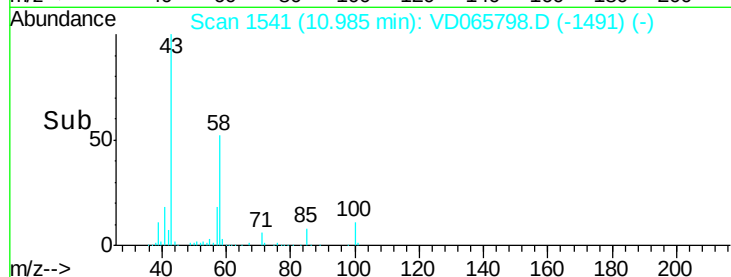
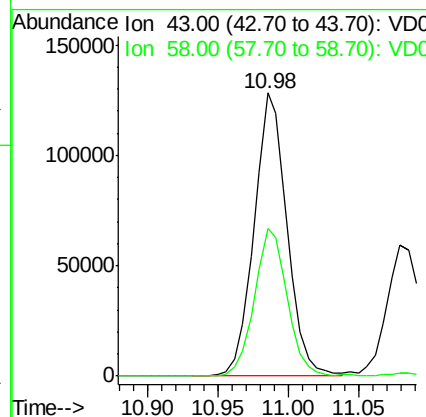
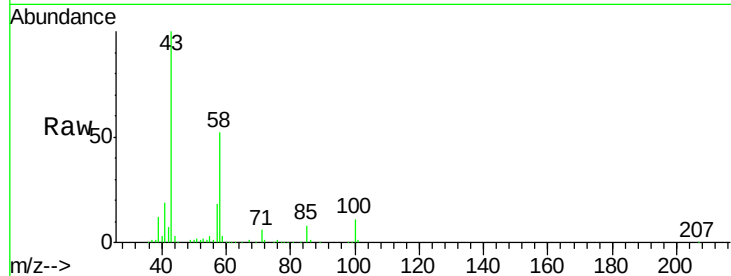




#59
2-Hexanone
Concen: 246.331 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

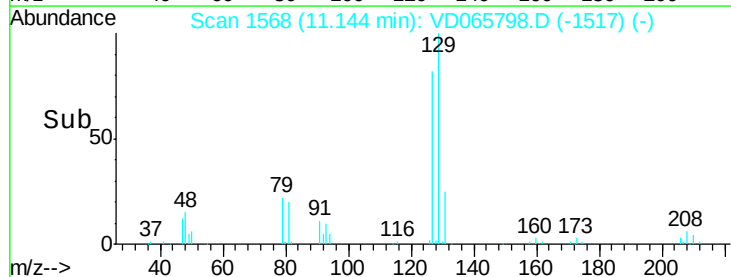
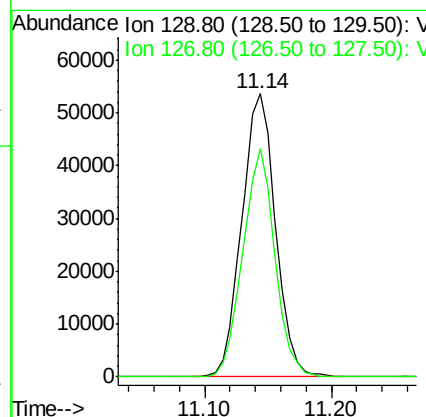
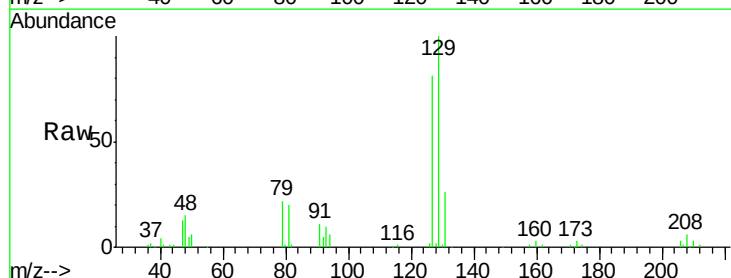
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

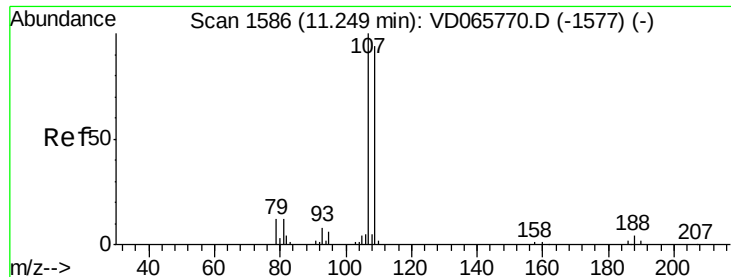
Tot Ion: 43 Resp: 209758
Ion Ratio Lower Upper
43 100
58 52.3 25.7 77.0



#60
Dibromochloromethane
Concen: 44.638 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion: 129 Resp: 98782
Ion Ratio Lower Upper
129 100
127 76.7 38.0 113.9





#61

1,2-Dibromoethane

Concen: 45.483 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

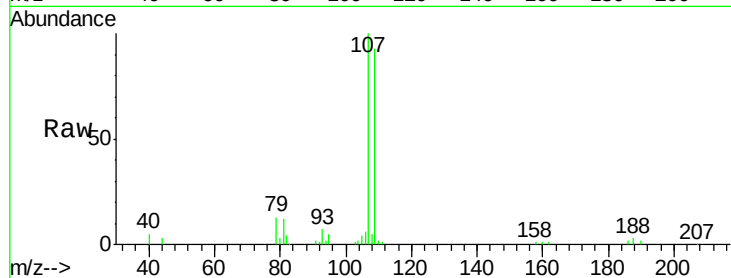
VSTDCCC050

Tot Ion:107 Resp: 73223

Ion Ratio Lower Upper

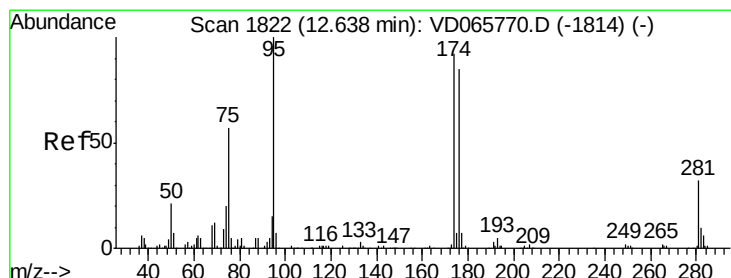
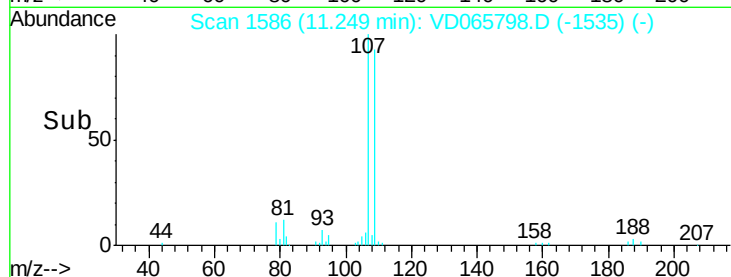
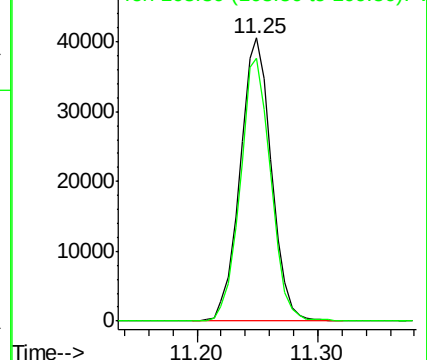
107 100

109 90.7 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.854 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

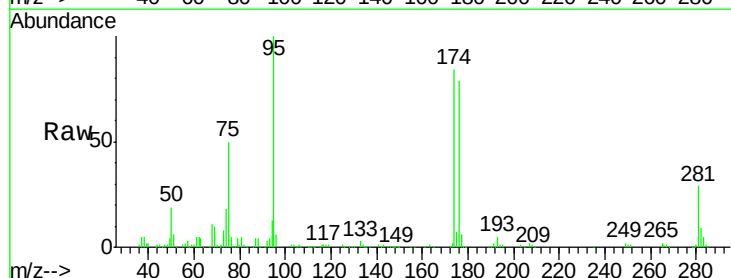
Tgt Ion: 95 Resp: 147783

Ion Ratio Lower Upper

95 100

174 83.2 0.0 175.2

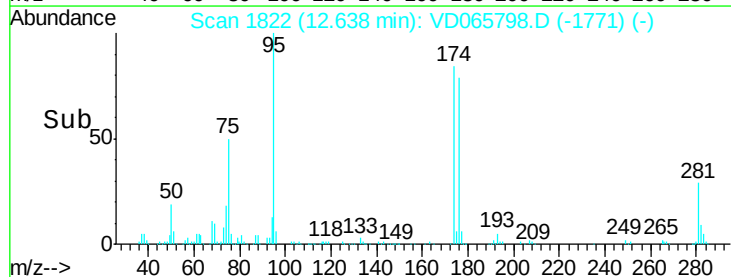
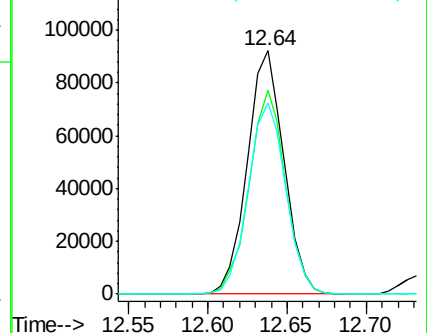
176 80.6 0.0 163.0

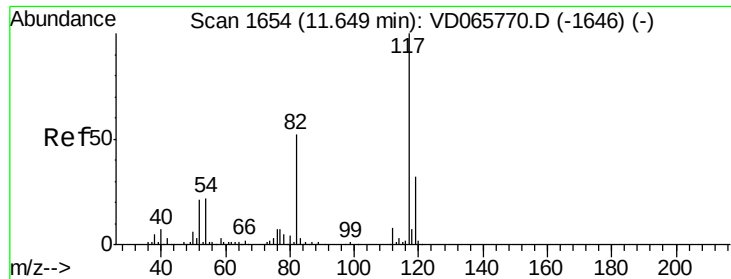


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

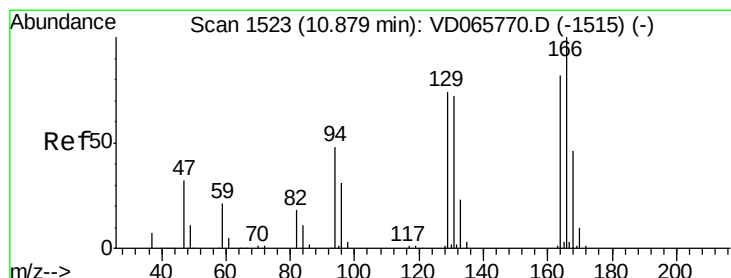
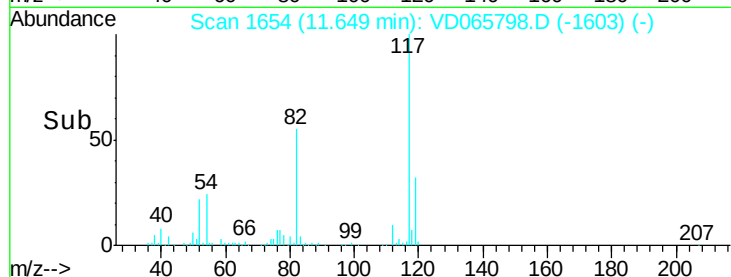
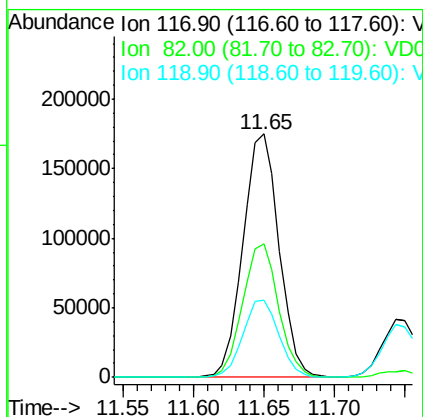
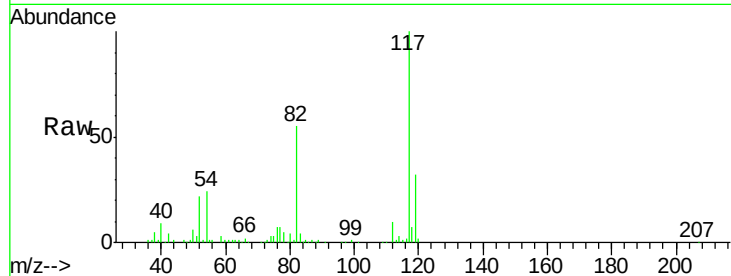




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

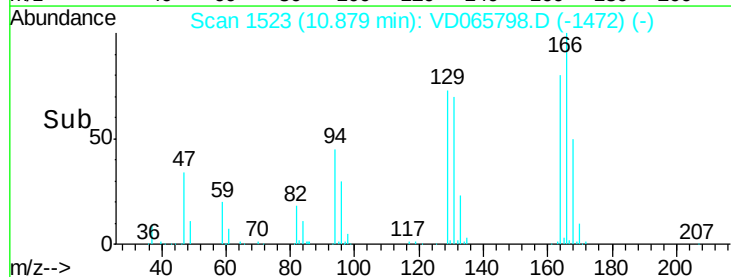
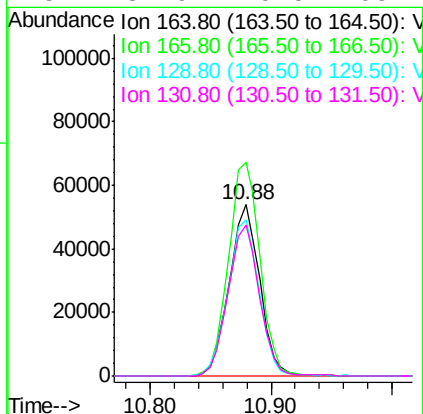
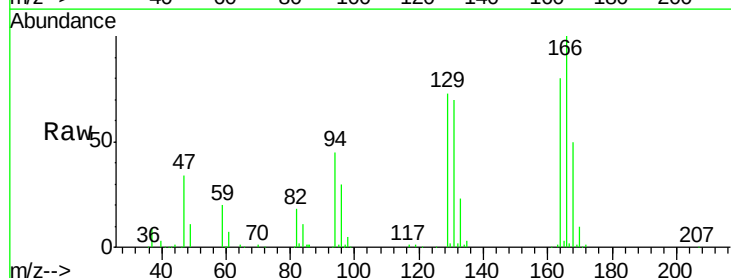
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

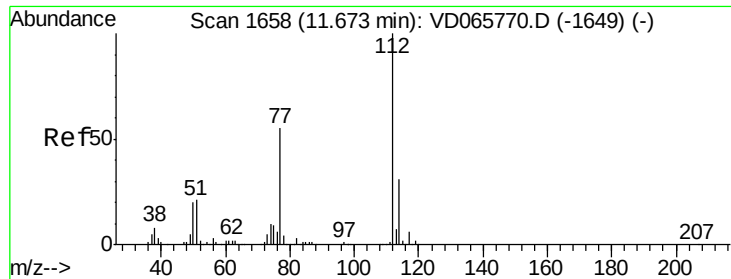
Tot Ion:117 Resp: 313946
Ion Ratio Lower Upper
117 100
82 54.9 41.9 62.9
119 31.7 25.3 37.9



#64
Tetrachloroethene
Concen: 44.745 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion:164 Resp: 94990
Ion Ratio Lower Upper
164 100
166 124.8 98.2 147.2
129 91.5 72.3 108.5
131 87.9 70.5 105.7

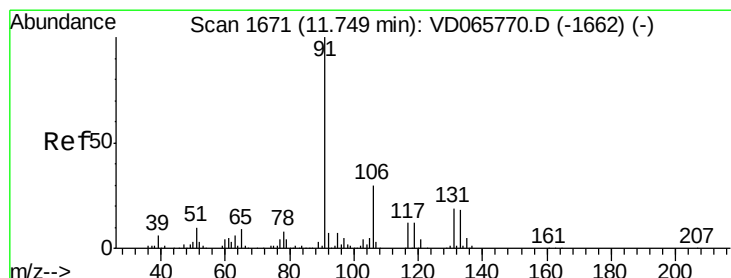
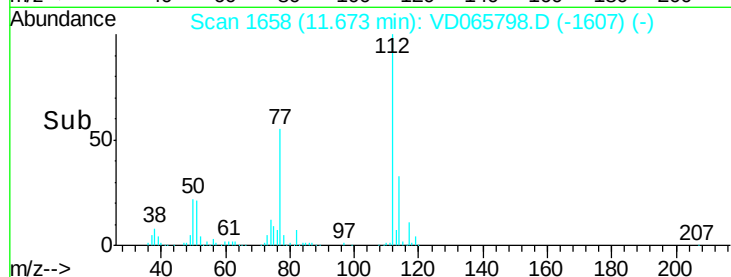
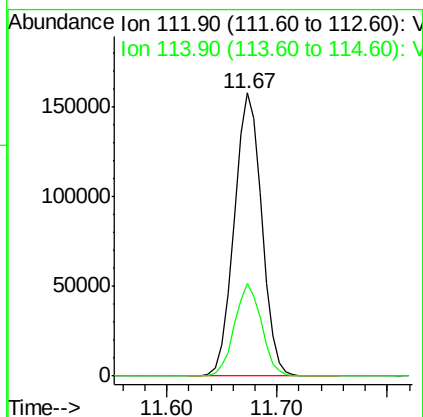
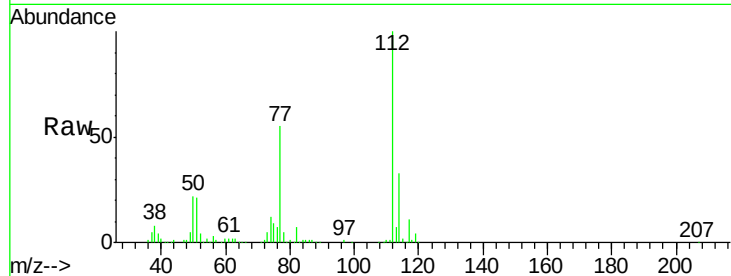




#65
Chlorobenzene
Concen: 45.128 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

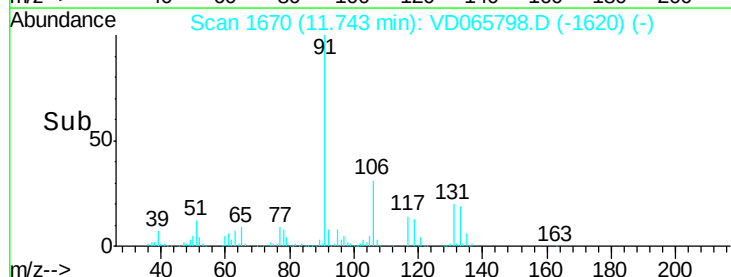
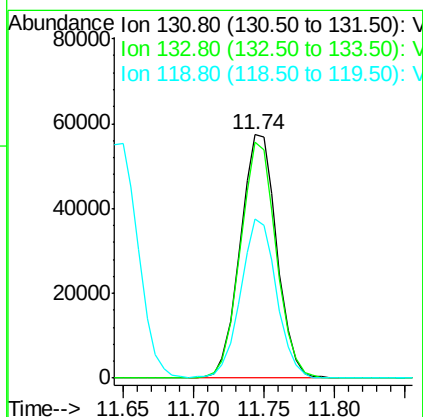
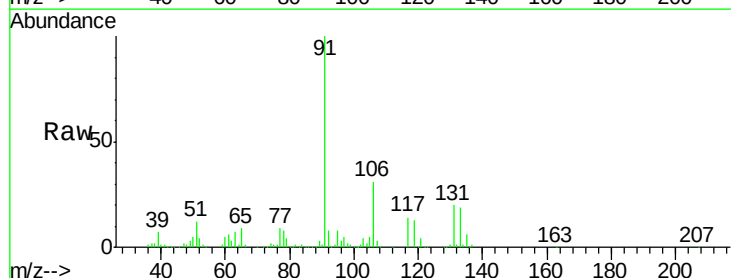
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

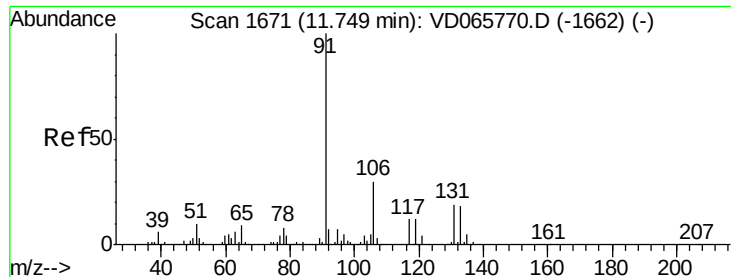
Tot Ion:112 Resp: 276586
Ion Ratio Lower Upper
112 100
114 32.8 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 45.376 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion:131 Resp: 103665
Ion Ratio Lower Upper
131 100
133 95.4 47.3 141.9
119 64.5 31.6 94.8





#67

Ethyl Benzene

Concen: 46.624 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

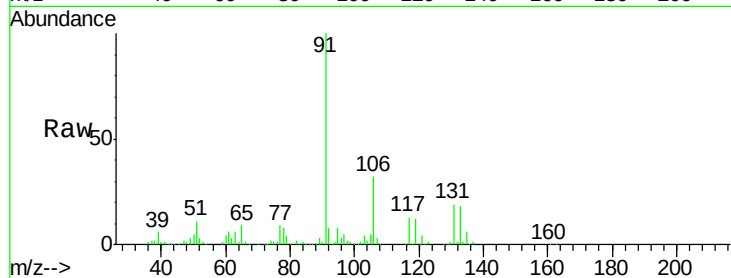
VSTDCCC050

Tot Ion: 91 Resp: 510485

Ion Ratio Lower Upper

91 100

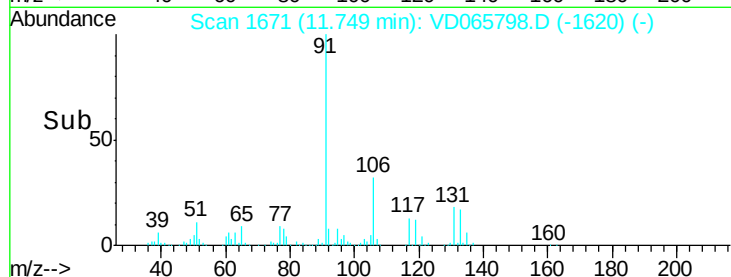
106 31.9 24.1 36.1



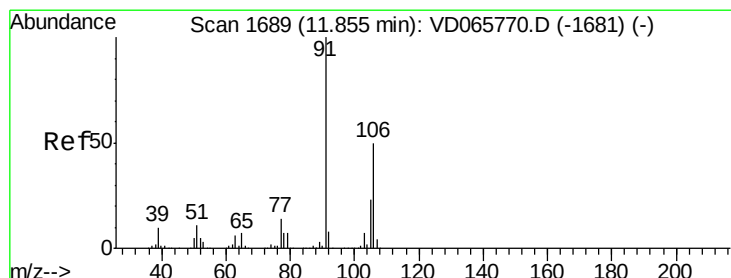
Abundance Ion 91.00 (90.70 to 91.70): VD065770.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD065770.D (-1662) (-)

Time-->



Time-->



#68

m/p-Xylenes

Concen: 94.191 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065798.D

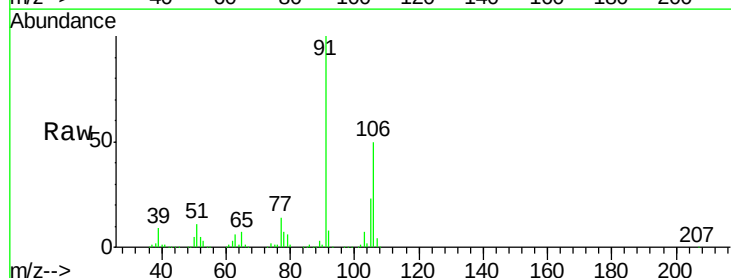
Acq: 18 Jun 2020 10:25

Tgt Ion: 106 Resp: 397237

Ion Ratio Lower Upper

106 100

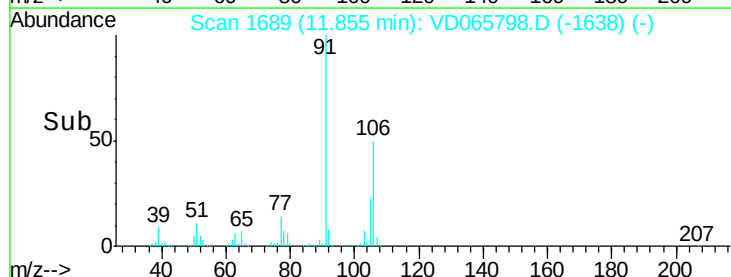
91 198.0 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VD065770.D (-1681) (-)

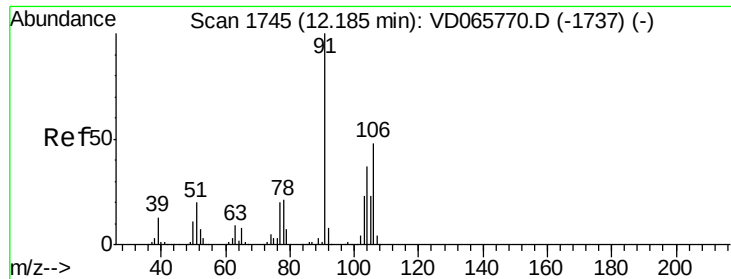
Ion 91.00 (90.70 to 91.70): VD065770.D (-1681) (-)

Time-->



Time-->

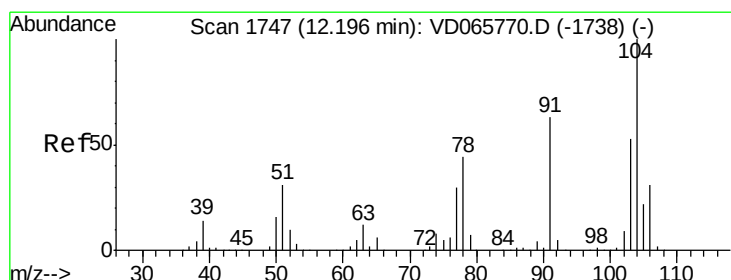
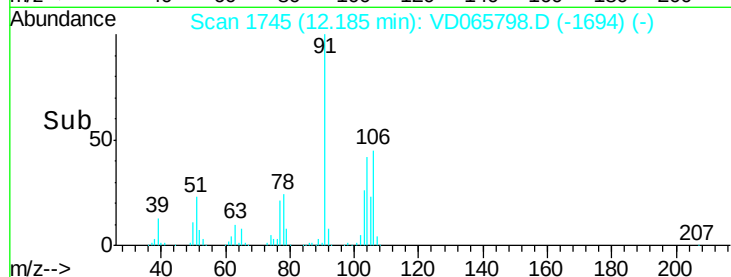
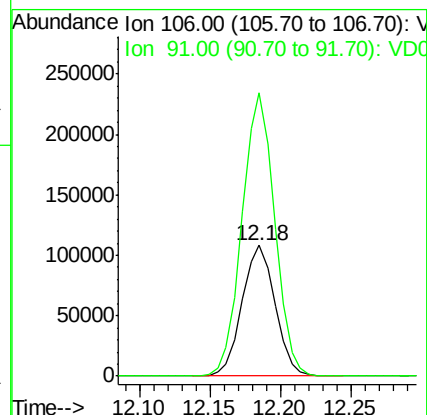
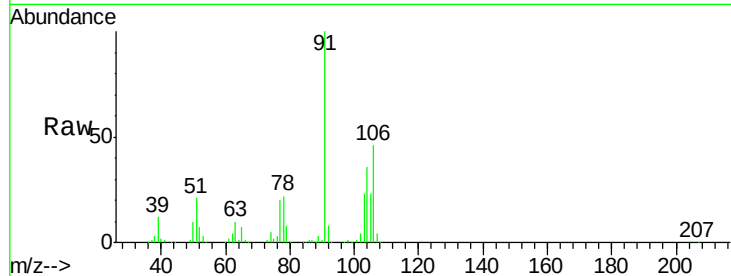
m/z-->



#69
o-Xylene
Concen: 46.673 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

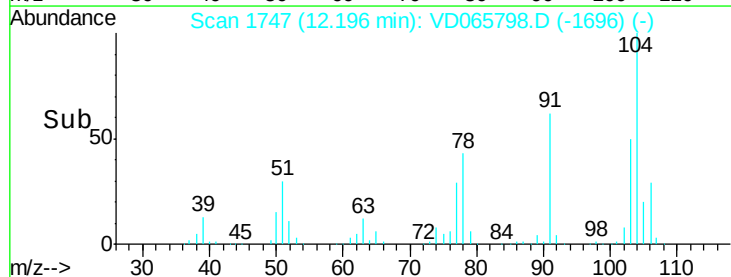
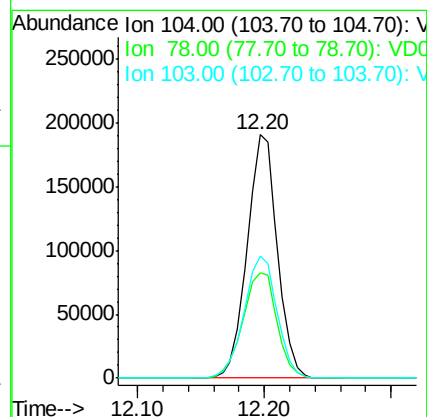
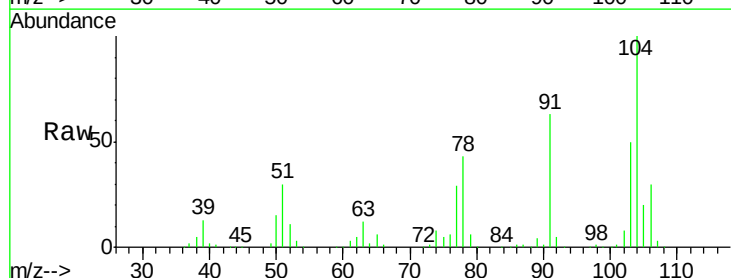
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

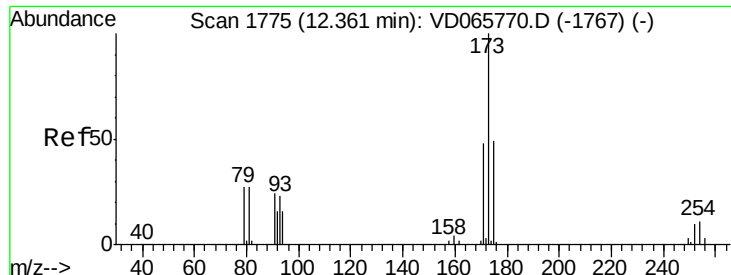
Tot Ion:106 Resp: 177475
Ion Ratio Lower Upper
106 100
91 213.8 105.3 315.8



#70
Styrene
Concen: 47.876 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion:104 Resp: 315149
Ion Ratio Lower Upper
104 100
78 48.9 38.6 58.0
103 54.5 43.9 65.9

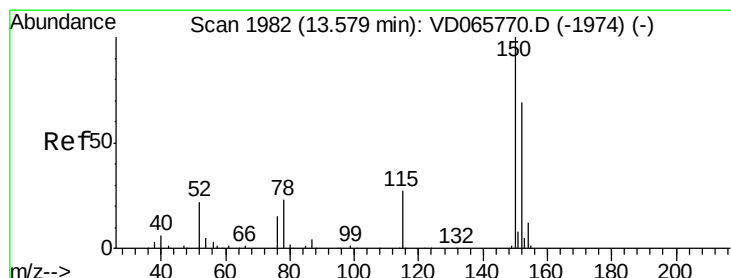
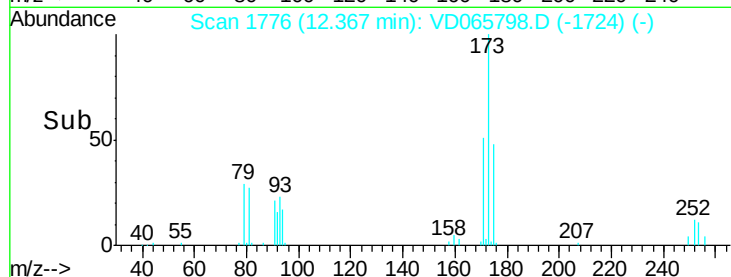
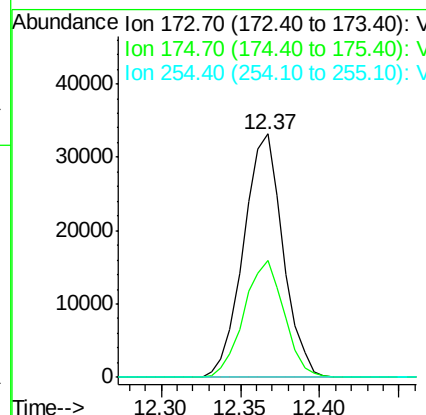
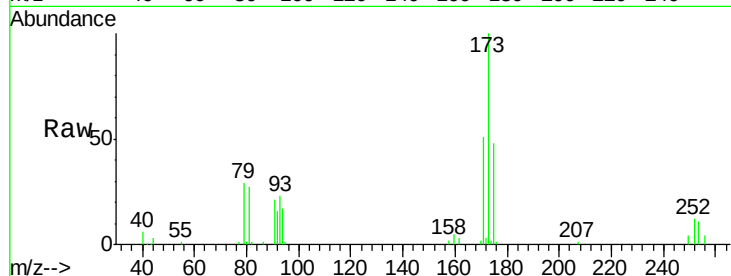




#71
Bromoform
Concen: 45.578 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

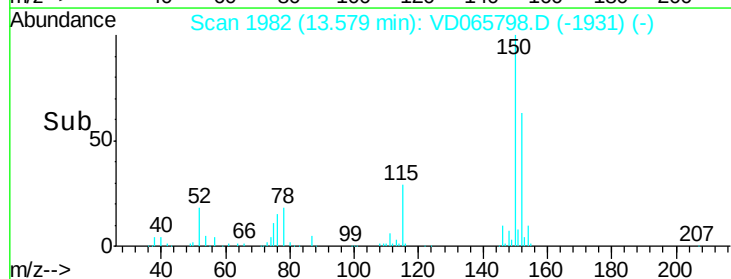
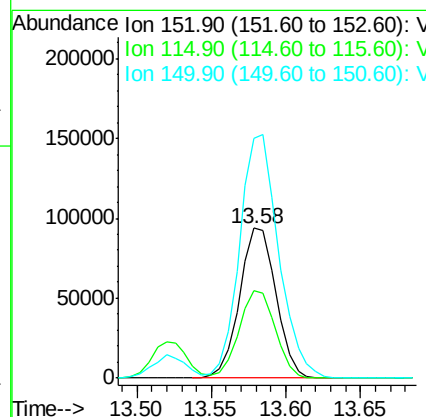
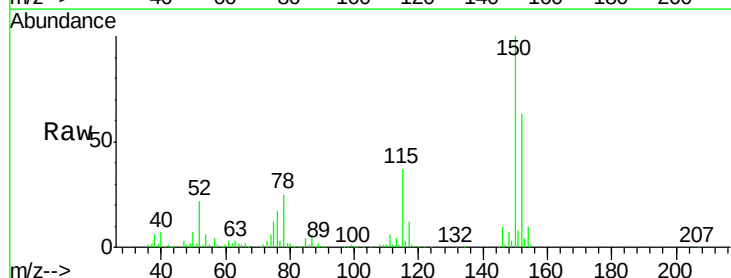
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

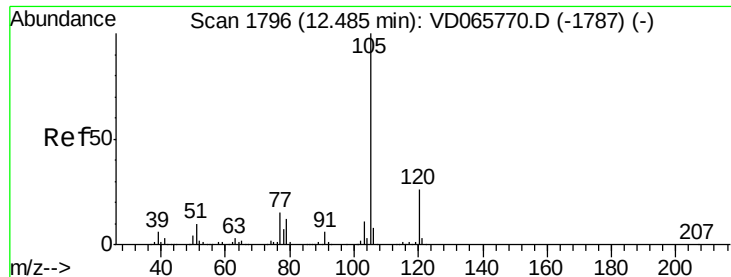
Tot Ion:173 Resp: 57340
Ion Ratio Lower Upper
173 100
175 48.9 24.8 74.4
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion:152 Resp: 159210
Ion Ratio Lower Upper
152 100
115 57.9 28.7 86.1
150 173.5 0.0 348.0





#73

Isopropylbenzene

Concen: 46.567 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

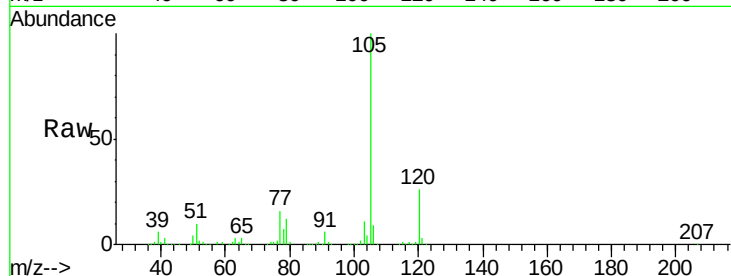
VSTDCCC050

Tot Ion:105 Resp: 497074

Ion Ratio Lower Upper

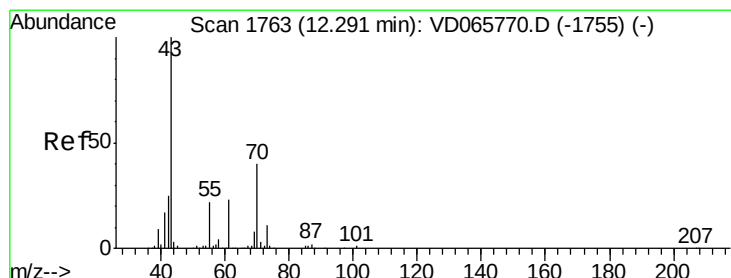
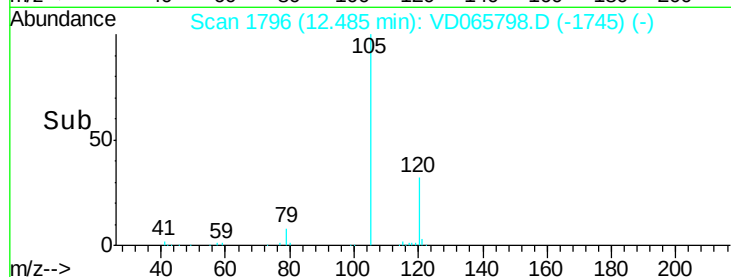
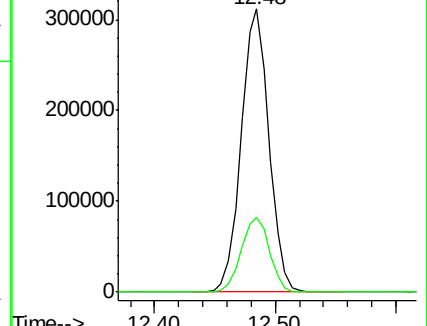
105 100

120 27.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.308 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Tgt Ion: 43 Resp: 107598

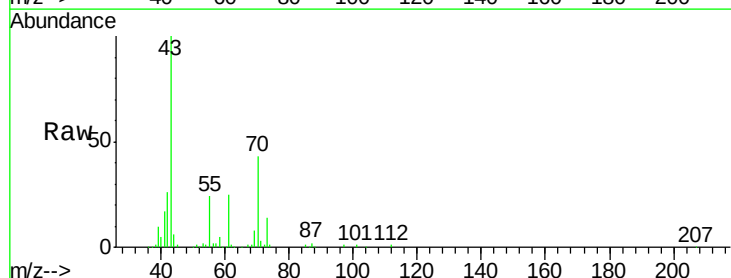
Ion Ratio Lower Upper

43 100

70 40.3 32.3 48.5

55 24.2 19.0 28.4

61 23.2 19.0 28.4

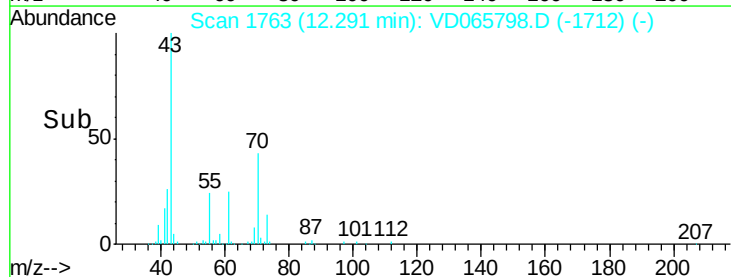
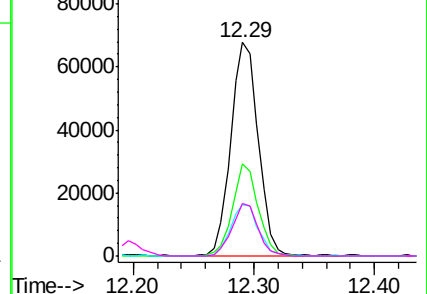


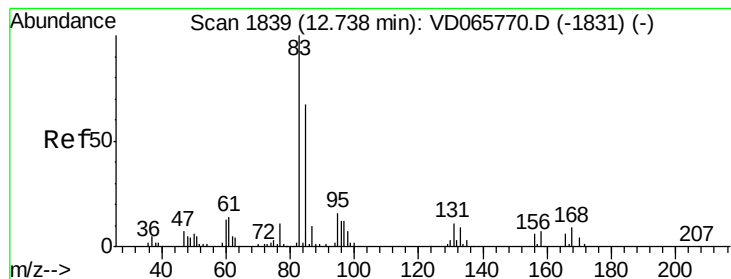
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 44.986 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

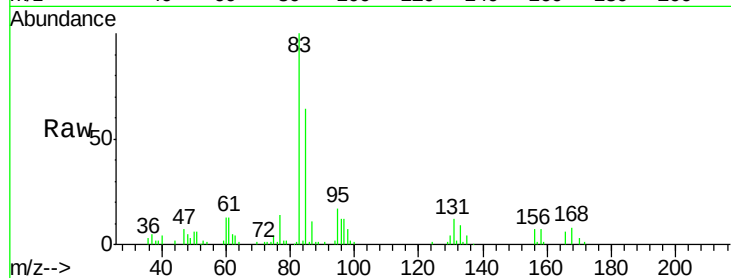
Tot Ion: 83 Resp: 81098

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

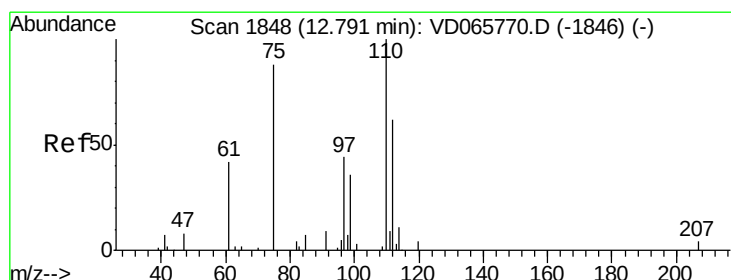
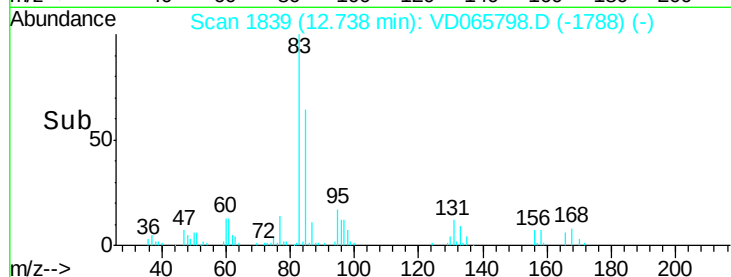
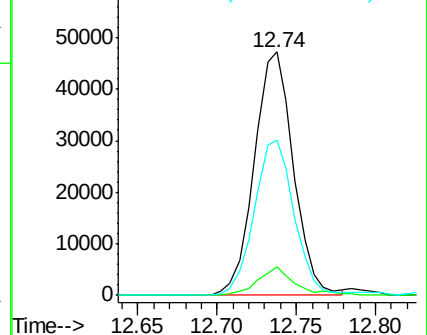
85 64.6 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 47.585 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065798.D

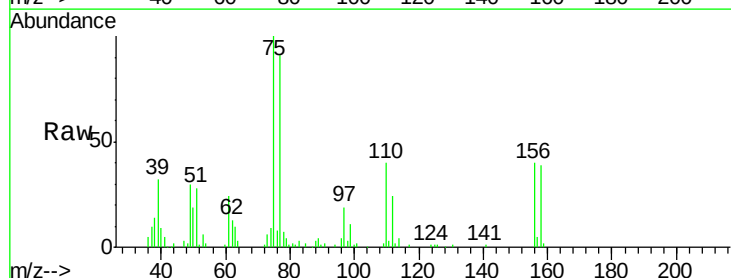
Acq: 18 Jun 2020 10:25

Tgt Ion: 75 Resp: 58920

Ion Ratio Lower Upper

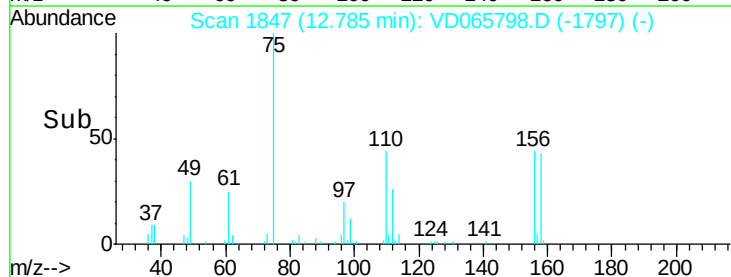
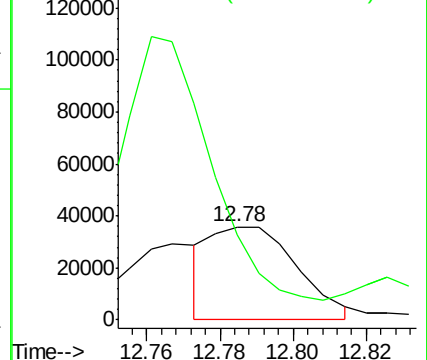
75 100

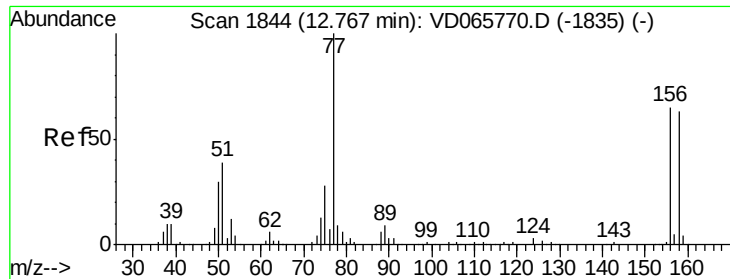
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 45.757 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

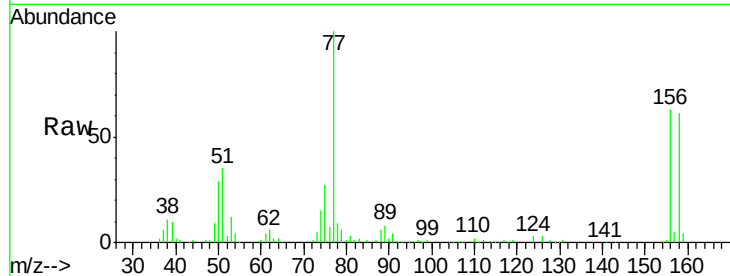
Tot Ion:156 Resp: 115562

Ion Ratio Lower Upper

156 100

77 177.5 87.3 261.8

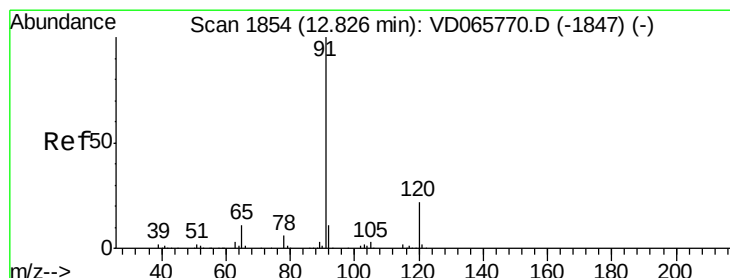
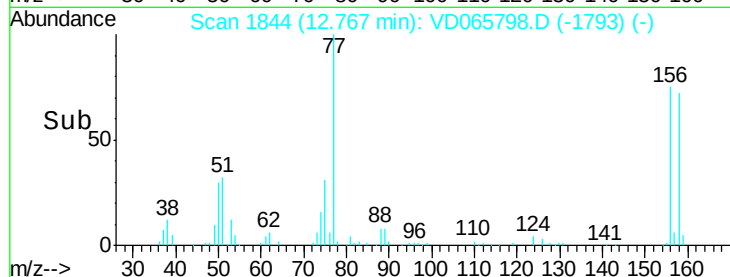
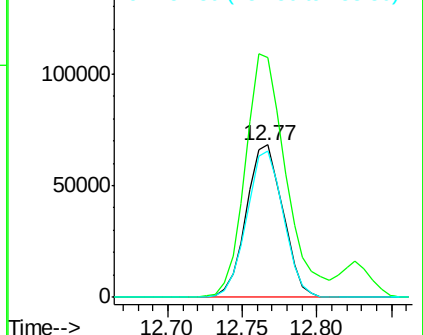
158 95.9 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.396 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065798.D

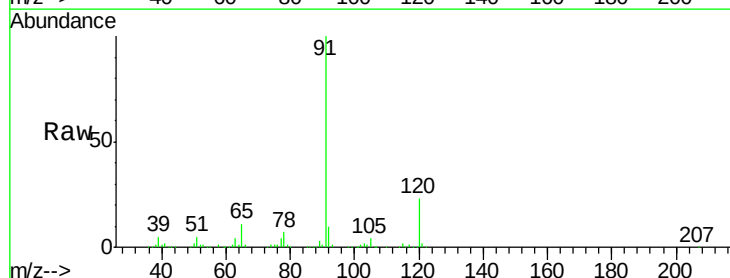
Acq: 18 Jun 2020 10:25

Tgt Ion: 91 Resp: 596148

Ion Ratio Lower Upper

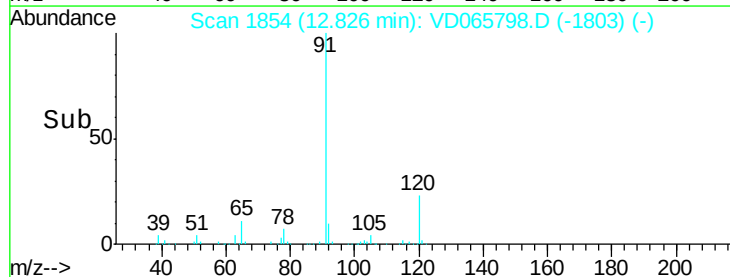
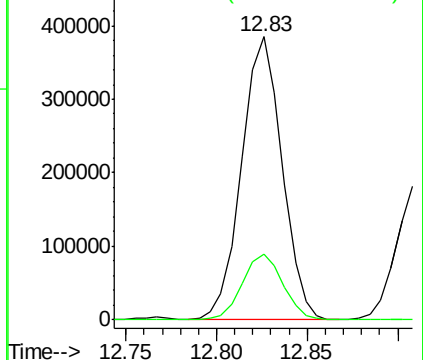
91 100

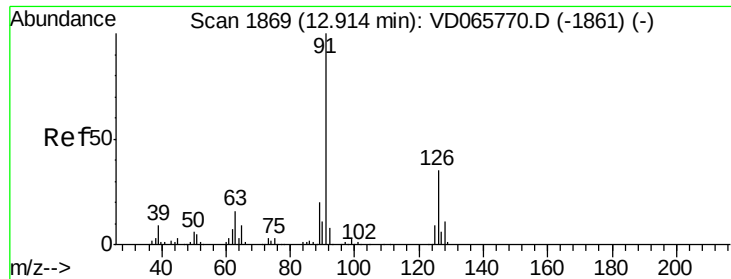
120 23.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.997 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

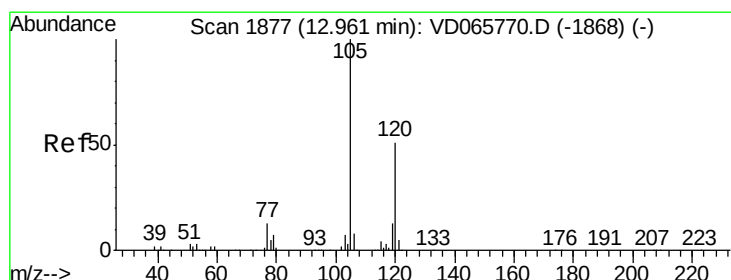
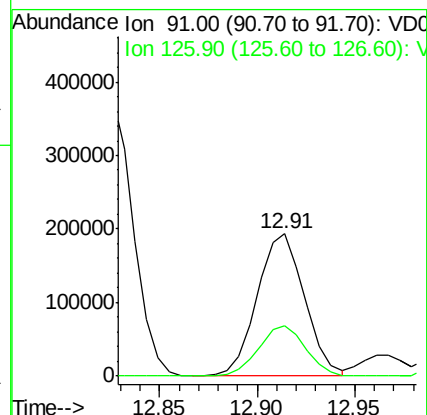
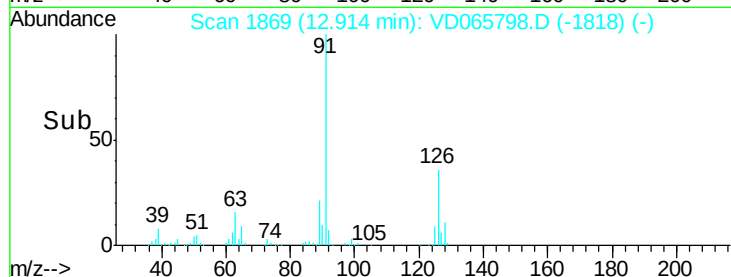
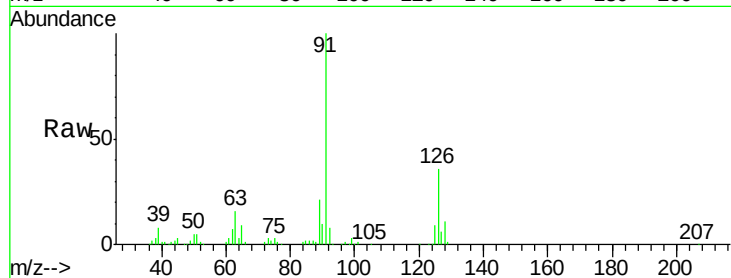
VSTDCCC050

Tot Ion: 91 Resp: 324218

Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 47.238 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD065798.D

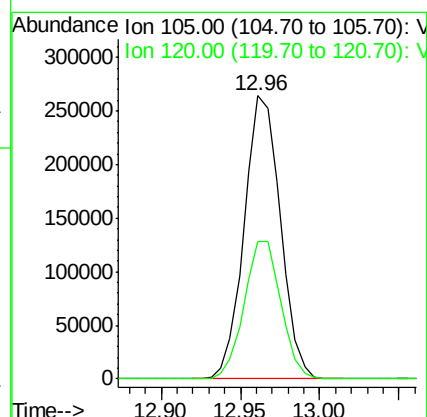
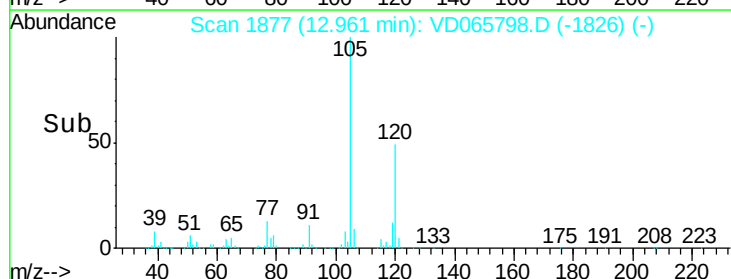
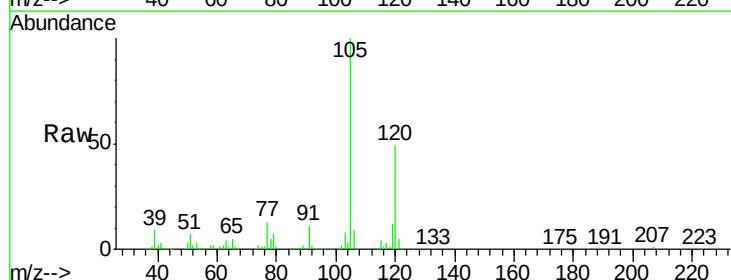
Acq: 18 Jun 2020 10:25

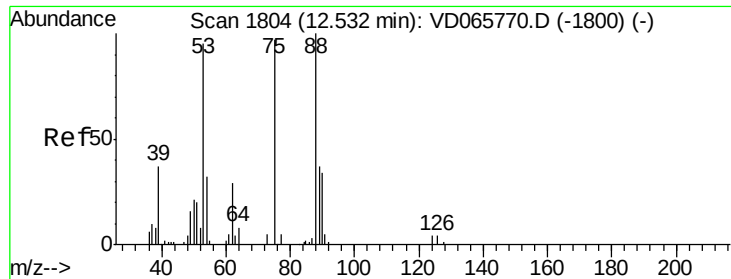
Tgt Ion: 105 Resp: 419610

Ion Ratio Lower Upper

105 100

120 49.4 25.4 76.0

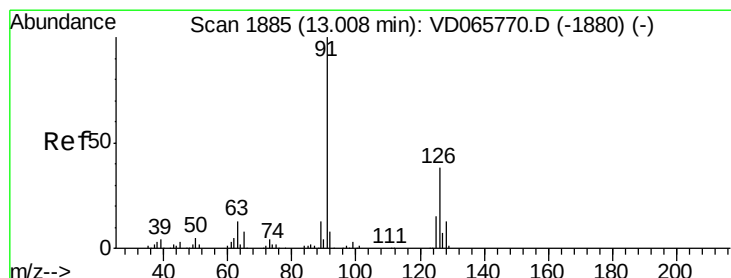
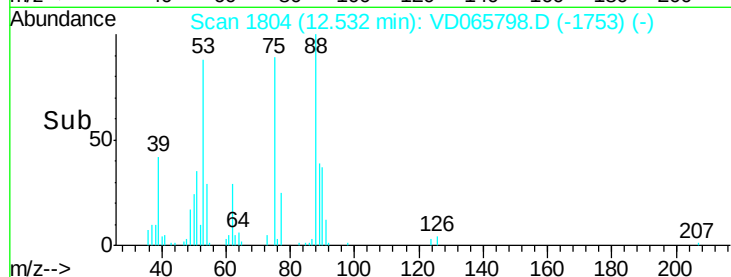
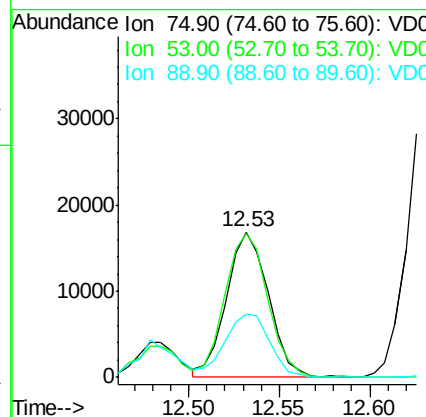
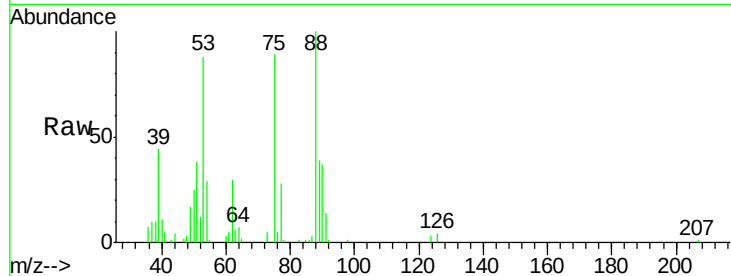




#81
trans-1,4-Dichloro-2-butene
Concen: 47.437 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

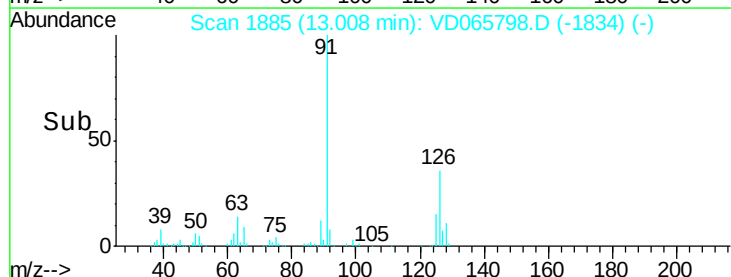
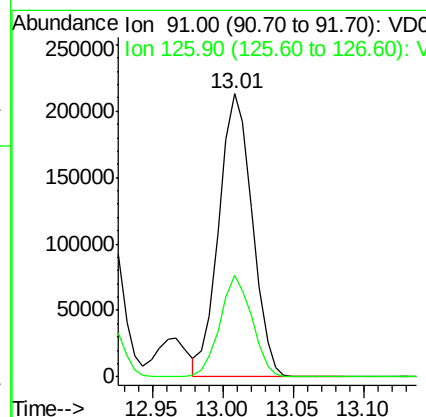
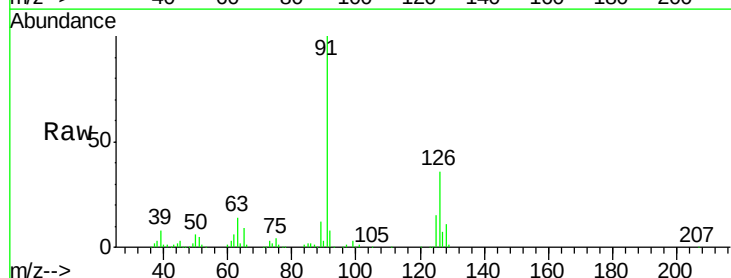
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

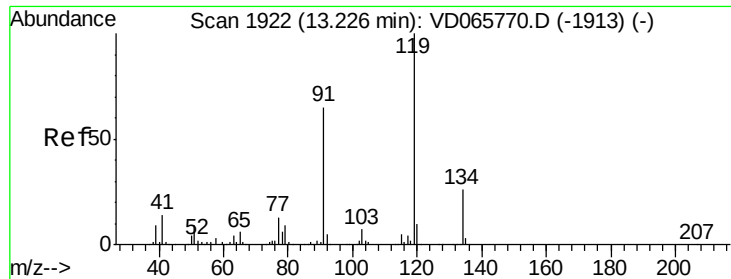
Tot Ion: 75 Resp: 27185
Ion Ratio Lower Upper
75 100
53 100.4 82.6 123.8
89 46.5 35.9 53.9



#82
4-Chlorotoluene
Concen: 46.134 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion: 91 Resp: 349045
Ion Ratio Lower Upper
91 100
126 34.6 17.6 52.8

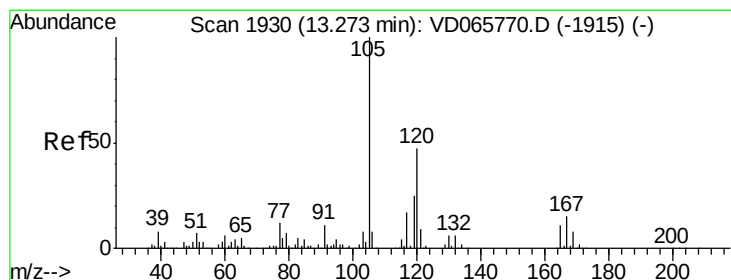
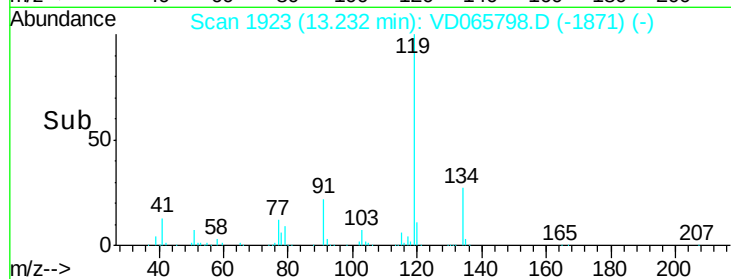
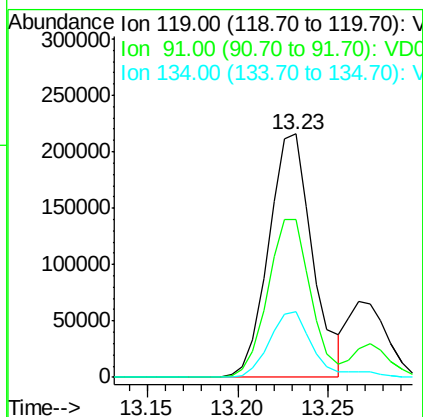
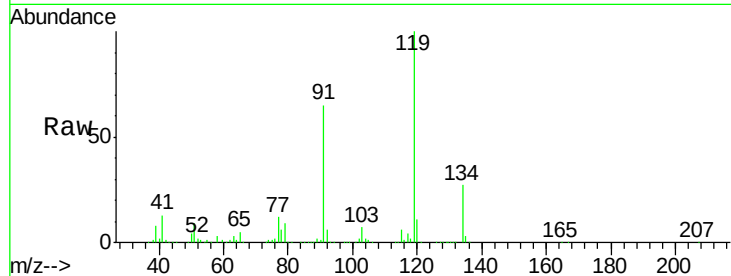




#83
tert-Butylbenzene
Concen: 47.149 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

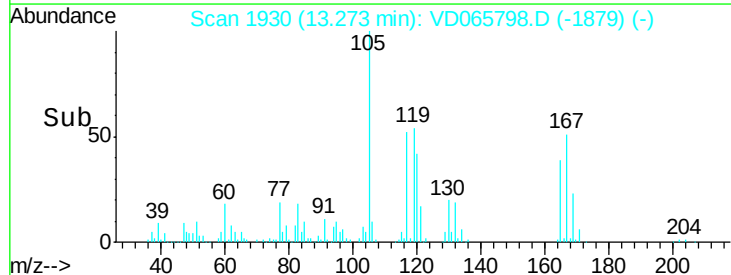
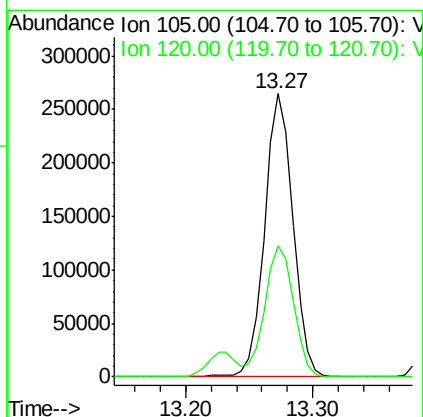
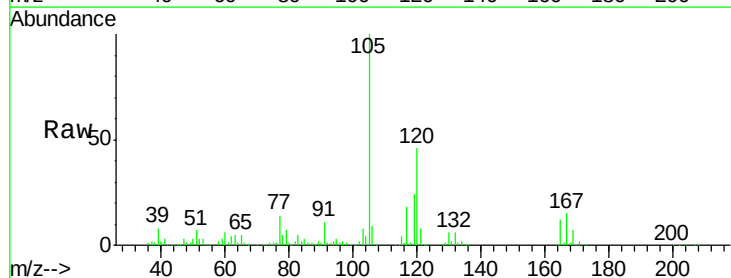
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

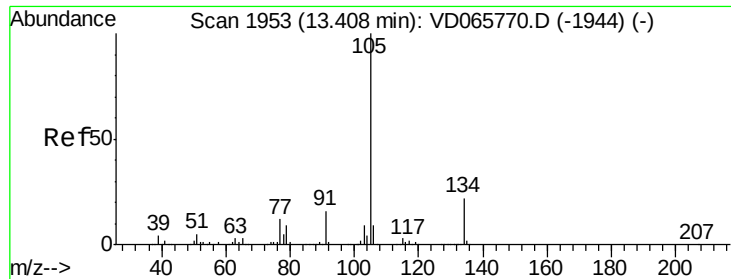
Tot Ion:119 Resp: 363409
Ion Ratio Lower Upper
119 100
91 63.6 32.0 96.0
134 27.6 13.8 41.4



#84
1,2,4-Trimethylbenzene
Concen: 46.297 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion:105 Resp: 411629
Ion Ratio Lower Upper
105 100
120 47.2 23.3 69.8





#85

sec-Butylbenzene

Concen: 48.041 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

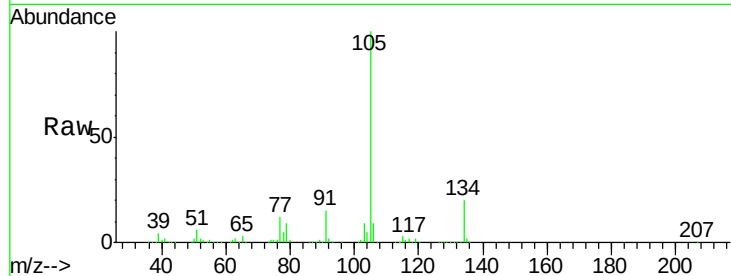
VSTDCCC050

Tot Ion:105 Resp: 515308

Ion Ratio Lower Upper

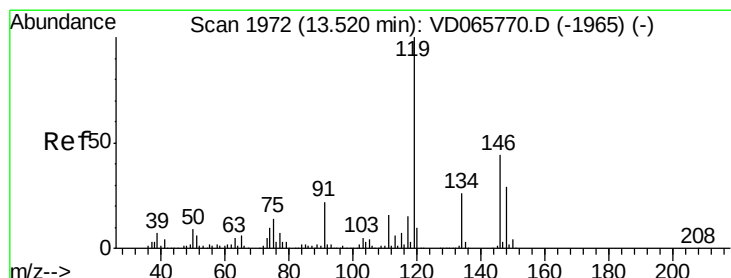
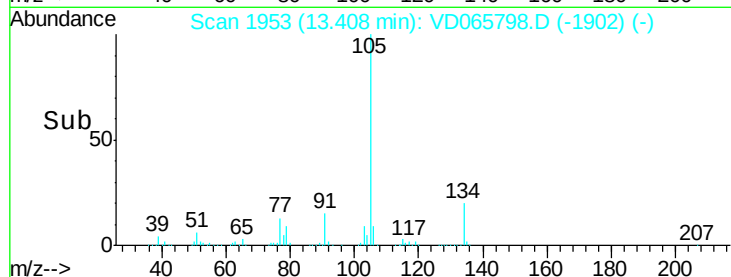
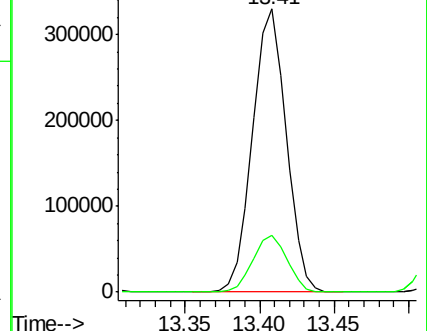
105 100

134 20.3 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.672 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065798.D

Acq: 18 Jun 2020 10:25

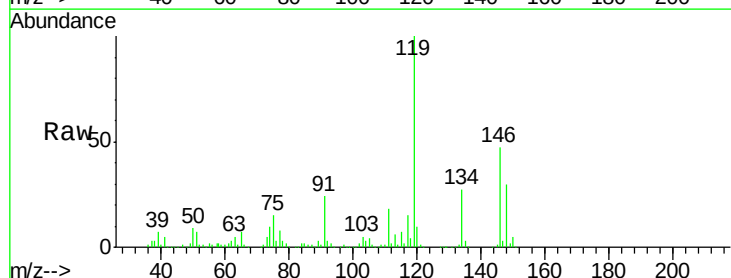
Tgt Ion:119 Resp: 468683

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

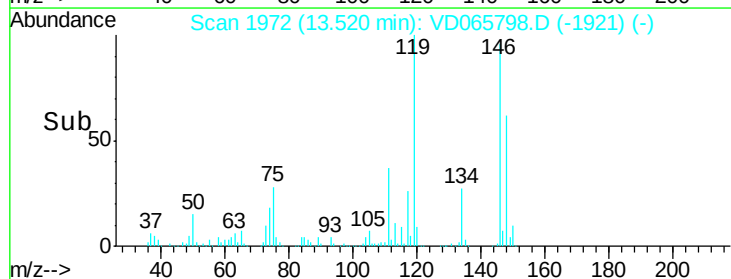
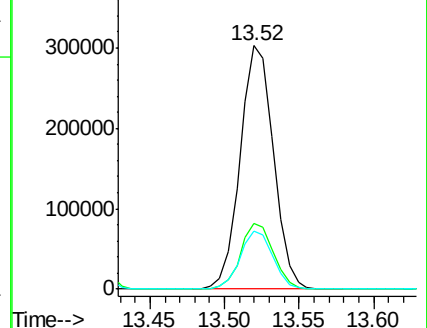
91 23.4 11.8 35.4

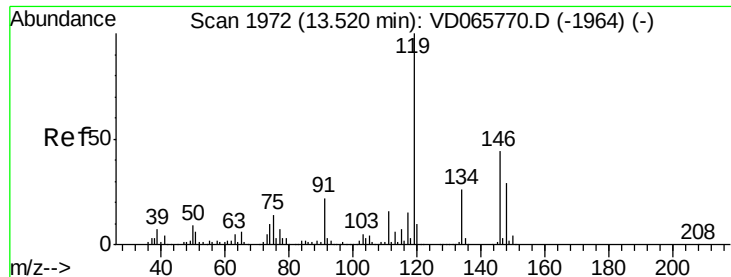


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

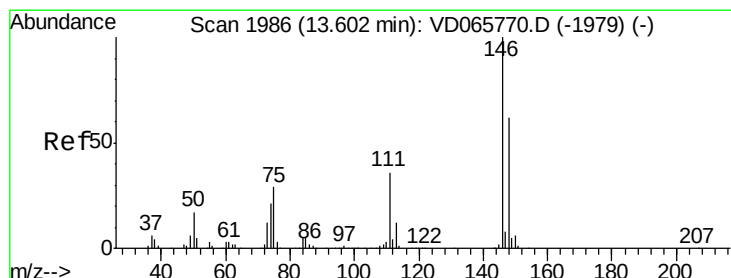
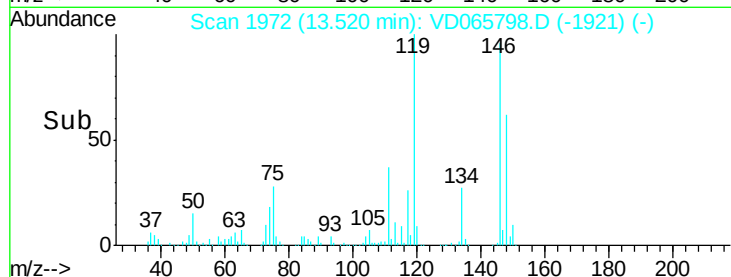
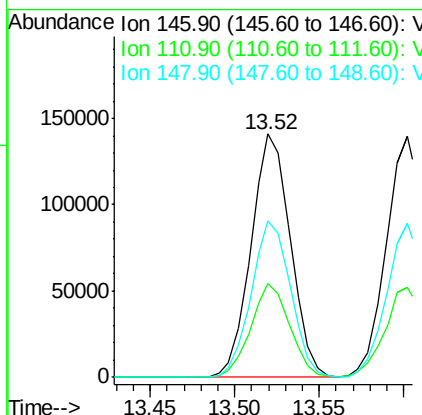
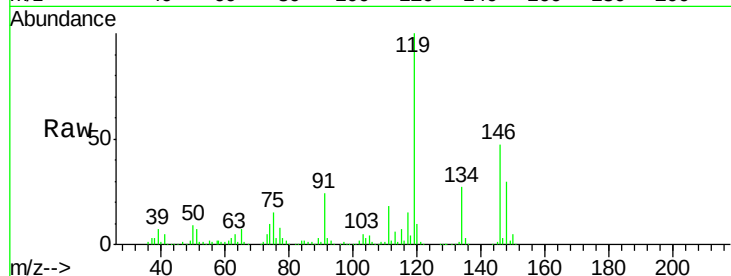




#87
 1,3-Dichlorobenzene
 Concen: 45.936 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065798.D
 Acq: 18 Jun 2020 10:25

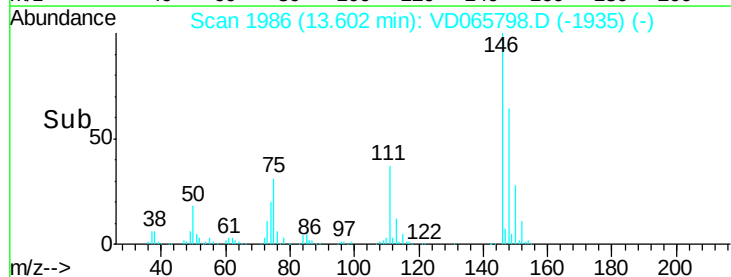
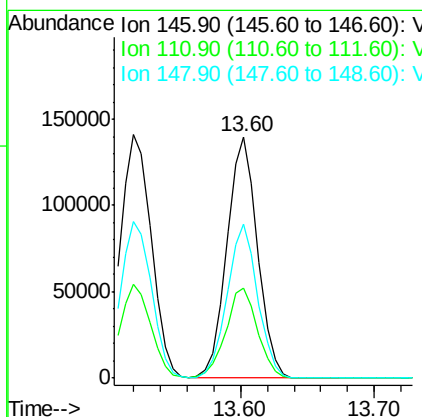
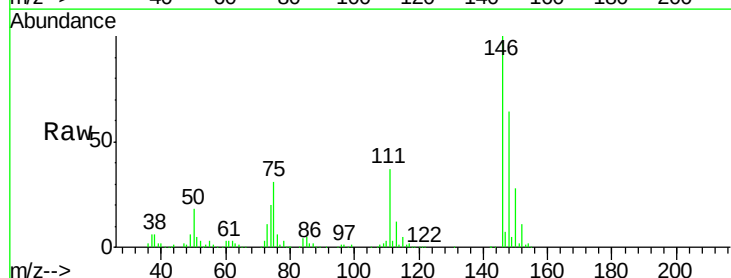
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

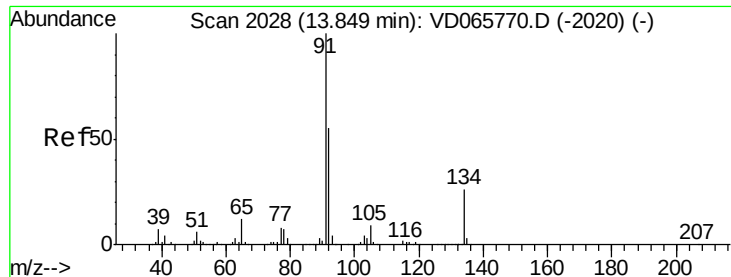
Tot Ion:146 Resp: 228751
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.2 57.6
 148 64.2 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 45.144 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065798.D
 Acq: 18 Jun 2020 10:25

Tgt Ion:146 Resp: 223629
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.9 56.7
 148 63.4 31.6 94.7

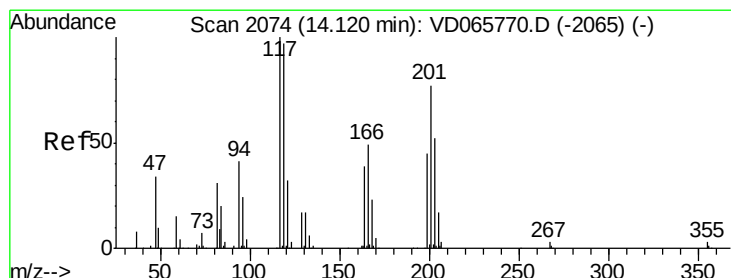
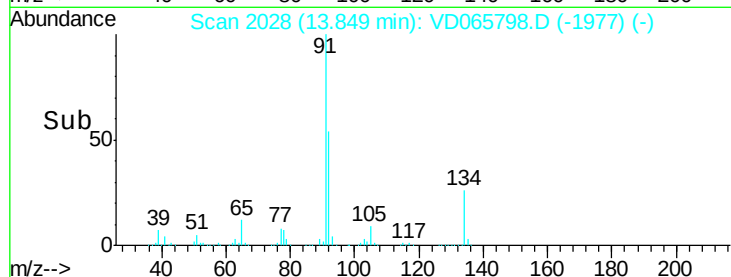
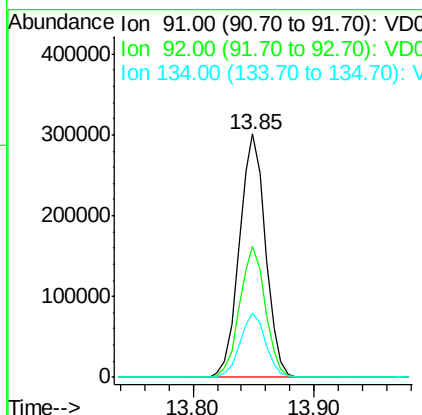
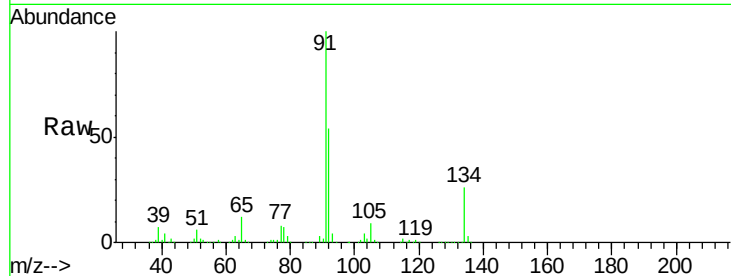




#89
n-Butylbenzene
Concen: 48.341 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

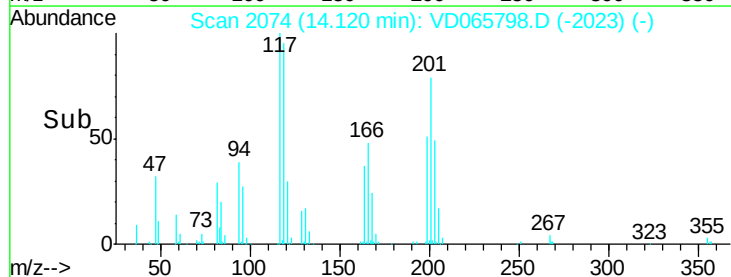
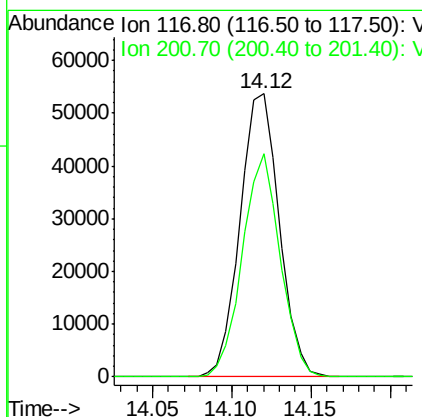
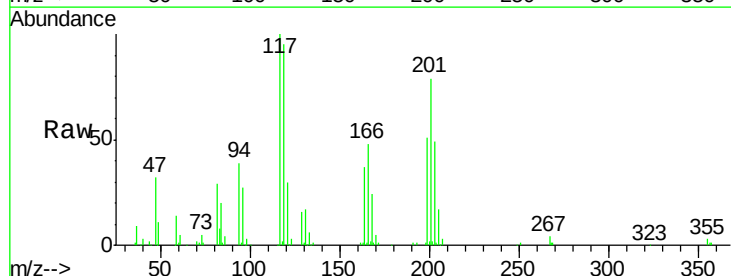
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

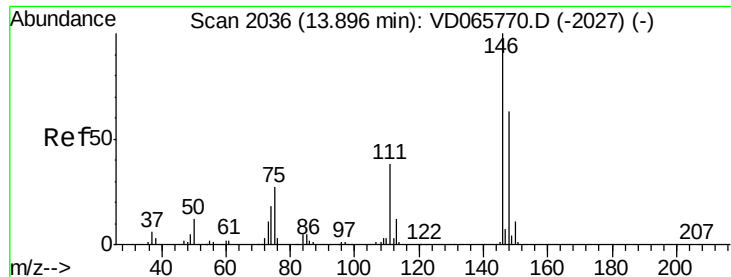
Tot Ion: 91 Resp: 453278
Ion Ratio Lower Upper
91 100
92 53.1 27.0 81.0
134 25.9 13.0 39.0



#90
Hexachloroethane
Concen: 46.965 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion: 117 Resp: 92423
Ion Ratio Lower Upper
117 100
201 76.1 37.1 111.5

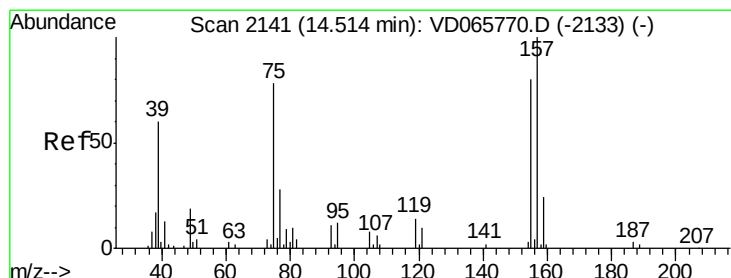
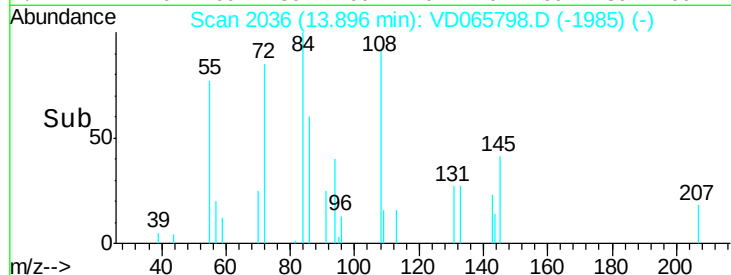
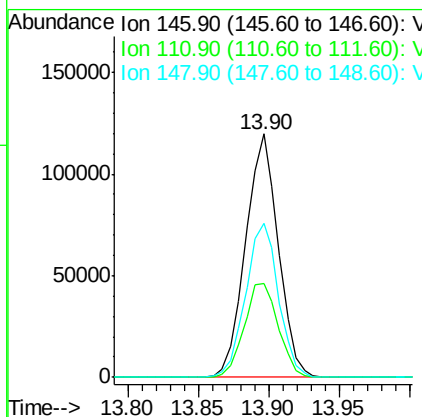
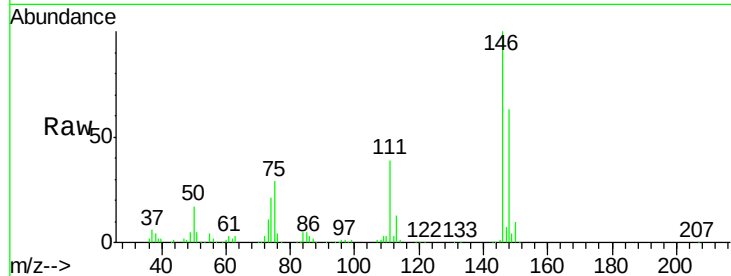




#91
 1,2-Dichlorobenzene
 Concen: 45.372 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065798.D
 Acq: 18 Jun 2020 10:25

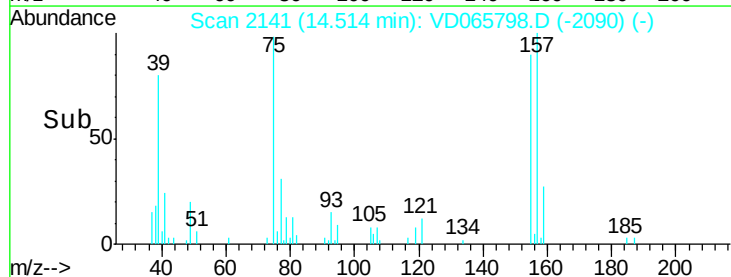
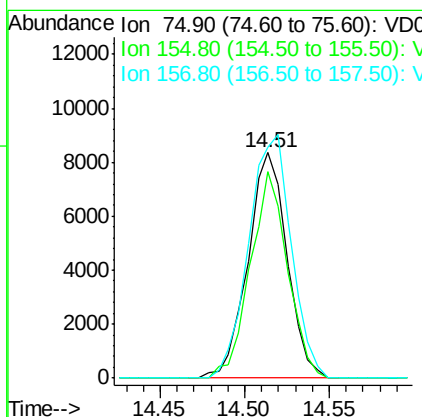
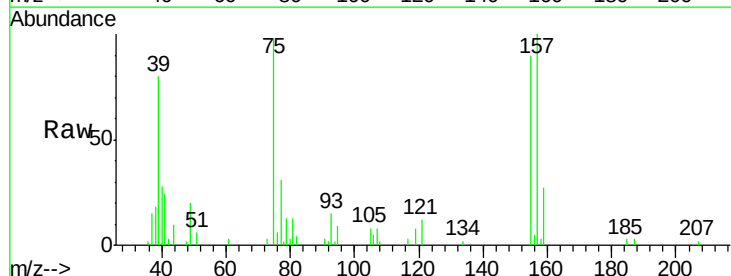
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

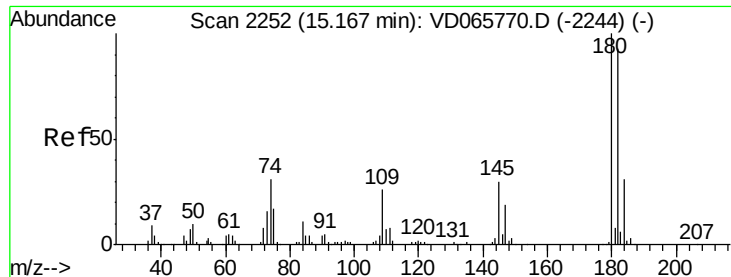
Tot Ion:146 Resp: 194449
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.8 59.4
 148 63.5 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.820 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065798.D
 Acq: 18 Jun 2020 10:25

Tgt Ion: 75 Resp: 13447
 Ion Ratio Lower Upper
 75 100
 155 87.4 46.3 138.9
 157 117.5 58.1 174.3

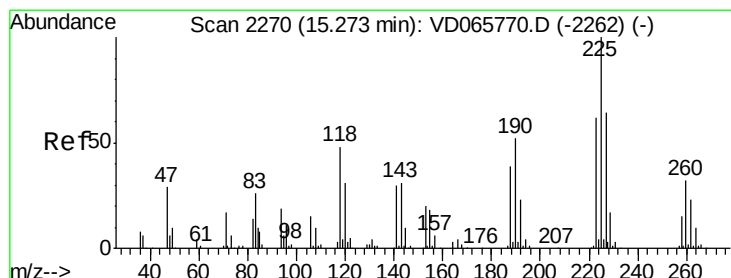
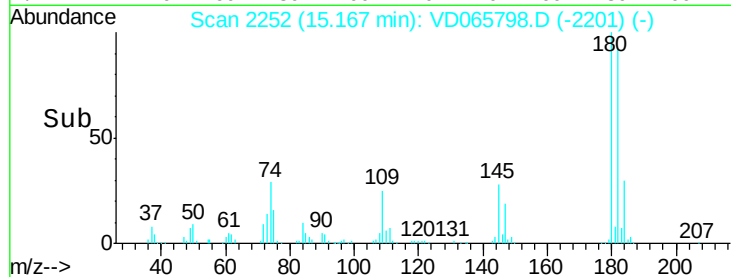
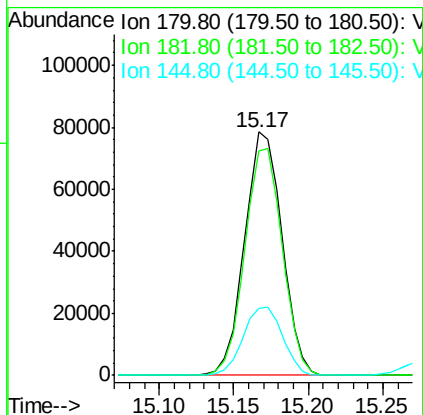
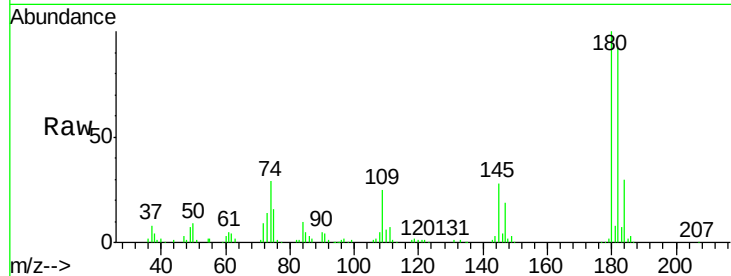




#93
 1,2,4-Trichlorobenzene
 Concen: 46.719 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065798.D
 Acq: 18 Jun 2020 10:25

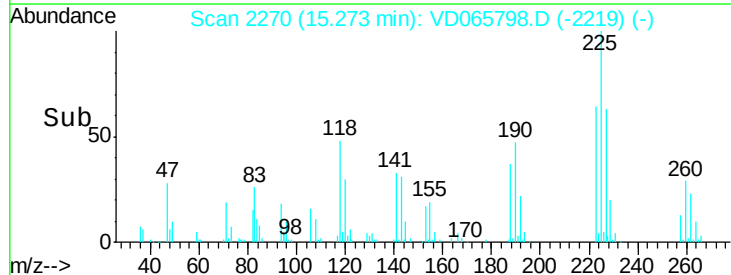
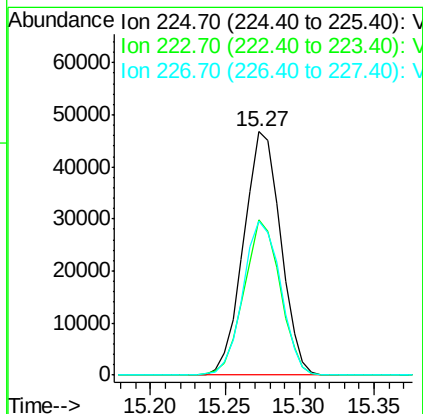
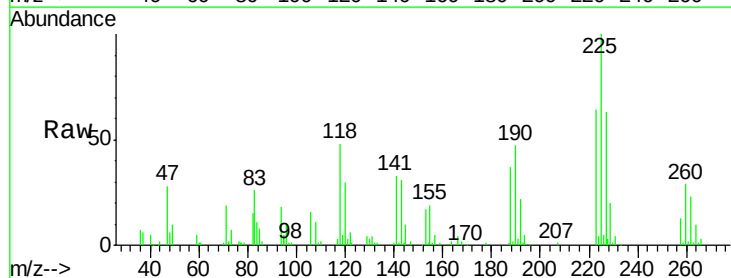
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

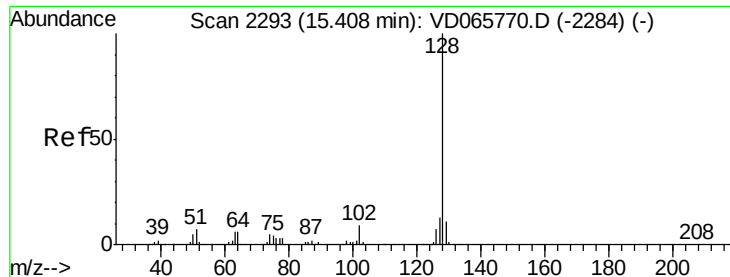
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	48.0	144.2
145	29.5	14.9	44.9



#94
 Hexachlorobutadiene
 Concen: 45.502 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065798.D
 Acq: 18 Jun 2020 10:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	30.9	92.7
227	64.4	31.9	95.7

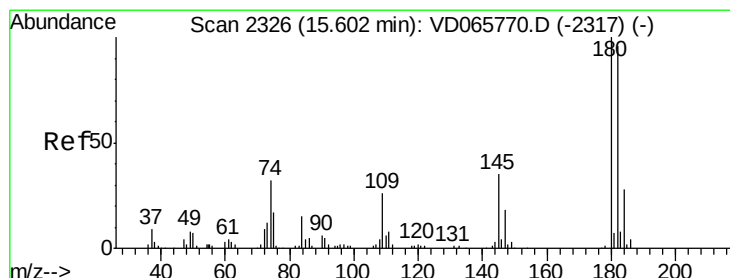
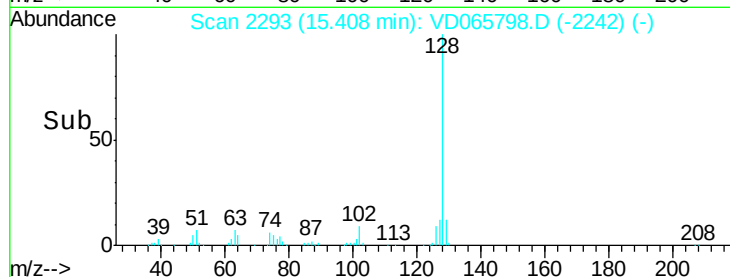
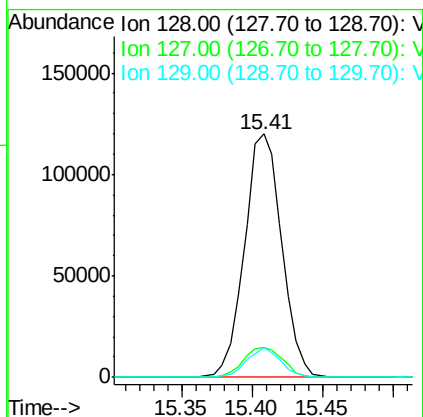
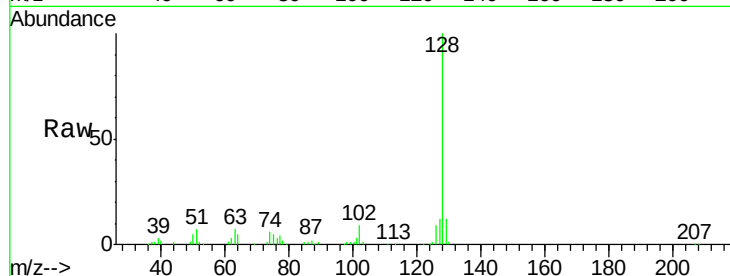




#95
Naphthalene
Concen: 44.907 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 221655
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 45.352 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD065798.D
Acq: 18 Jun 2020 10:25

Tgt Ion:180 Resp: 113821
Ion Ratio Lower Upper
180 100
182 94.3 47.0 141.2
145 31.2 16.2 48.6

