

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052620\
 Data File : VD065755.D
 Acq On : 26 May 2020 11:50
 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: May 27 07:36:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 13 14:28:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	324324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	482410	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	435010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	213687	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	126436	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
35) Dibromofluoromethane	7.91	113	128321	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
50) Toluene-d8	10.34	98	484585	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	
62) 4-Bromofluorobenzene	12.64	95	161218	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	94882	44.590	ug/l	97
3) Chloromethane	2.21	50	135682	44.491	ug/l	100
4) Vinyl Chloride	2.35	62	159948	48.437	ug/l	99
5) Bromomethane	2.77	94	100784	46.193	ug/l	97
6) Chloroethane	2.92	64	106647	49.792	ug/l	97
7) Trichlorofluoromethane	3.27	101	210559	46.124	ug/l	98
8) Diethyl Ether	3.70	74	56878	43.362	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	124663	44.427	ug/l	98
10) Methyl Iodide	4.30	142	128259	43.755	ug/l	98
11) Tert butyl alcohol	5.22	59	40611	177.881	ug/l	99
12) 1,1-Dichloroethene	4.07	96	116035	43.599	ug/l	97
13) Acrolein	3.93	56	34823	240.660	ug/l	99
14) Allyl chloride	4.71	41	192168	41.760	ug/l	96
15) Acrylonitrile	5.42	53	125759	217.022	ug/l	97
16) Acetone	4.15	43	162683	303.462	ug/l	96
17) Carbon Disulfide	4.41	76	356555	42.417	ug/l	100
18) Methyl Acetate	4.71	43	55025	43.554	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	265622	42.779	ug/l	97
20) Methylene Chloride	4.97	84	121415	40.145	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	132763	43.326	ug/l	94
22) Diisopropyl ether	6.36	45	377422	43.081	ug/l	96
23) Vinyl Acetate	6.30	43	1130580	219.407	ug/l	99
24) 1,1-Dichloroethane	6.26	63	226230	44.104	ug/l	98
25) 2-Butanone	7.21	43	179428	234.140	ug/l	96
26) 2,2-Dichloropropane	7.21	77	212991	44.738	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	143733	42.803	ug/l	98
28) Bromochloromethane	7.55	49	108891	51.632	ug/l	96
29) Tetrahydrofuran	7.56	42	104512	215.103	ug/l	99
30) Chloroform	7.71	83	235169	45.364	ug/l	96
31) Cyclohexane	7.99	56	219663	42.305	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	219325	45.164	ug/l	98
36) 1,1-Dichloropropene	8.11	75	185474	44.272	ug/l	99
37) Ethyl Acetate	7.29	43	75311	41.961	ug/l	97
38) Carbon Tetrachloride	8.10	117	200518	45.126	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	232919	43.382	ug/l	99
40) Benzene	8.36	78	510282	44.295	ug/l	97
41) Methacrylonitrile	7.52	41	51793	52.398	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	146702	45.736	ug/l	99
43) Isopropyl Acetate	8.45	43	149843	42.122	ug/l	99
44) Trichloroethene	9.11	130	147646	42.810	ug/l	97
45) 1,2-Dichloropropane	9.39	63	128228	45.145	ug/l	96
46) Dibromomethane	9.47	93	67786	44.259	ug/l	95
47) Bromodichloromethane	9.67	83	180164	44.941	ug/l	99
48) Methyl methacrylate	9.46	41	72903	43.659	ug/l	99
49) 1,4-Dioxane	9.47	88	15769	872.606	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	372538	218.835	ug/l	100
52) Toluene	10.41	92	331946	43.983	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	170291	43.481	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	205598	44.134	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	93224	44.681	ug/l	96
56) Ethyl methacrylate	10.66	69	114144	41.974	ug/l #	93
57) 1,3-Dichloropropane	10.95	76	159607	43.981	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	322173	254.652	ug/l	99
59) 2-Hexanone	10.99	43	276282	238.325	ug/l	98
60) Dibromochloromethane	11.14	129	125155	44.794	ug/l	99
61) 1,2-Dibromoethane	11.25	107	89800	43.093	ug/l	98
64) Tetrachloroethene	10.88	164	125444	41.703	ug/l	98
65) Chlorobenzene	11.67	112	348167	42.473	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	128537	41.882	ug/l	99
67) Ethyl Benzene	11.75	91	636055	43.517	ug/l	98
68) m/p-Xylenes	11.86	106	489281	87.645	ug/l	100
69) o-Xylene	12.18	106	226240	43.534	ug/l	98
70) Styrene	12.20	104	385403	43.456	ug/l	99
71) Bromoform	12.37	173	71701	42.330	ug/l #	100
73) Isopropylbenzene	12.48	105	627210	43.721	ug/l	99
74) N-amyl acetate	12.30	43	137954	41.418	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	98455	43.362	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	75542m	47.369	ug/l	
77) Bromobenzene	12.77	156	144401	41.761	ug/l	98
78) n-propylbenzene	12.83	91	741311	44.237	ug/l	100
79) 2-Chlorotoluene	12.91	91	400955	43.243	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	517599	43.789	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	34487	42.425	ug/l	96
82) 4-Chlorotoluene	13.01	91	428078	43.791	ug/l	99
83) tert-Butylbenzene	13.23	119	453229	43.241	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	513653	44.064	ug/l	99
85) sec-Butylbenzene	13.41	105	634788	44.508	ug/l	99
86) p-Isopropyltoluene	13.52	119	584622	44.596	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	280195	43.204	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	274300	42.462	ug/l	98
89) n-Butylbenzene	13.85	91	549000	44.785	ug/l	99
90) Hexachloroethane	14.12	117	112881	44.013	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	238103	42.445	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15687	41.315	ug/l	95

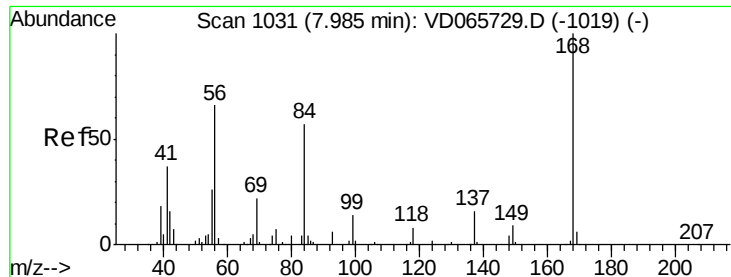
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052620\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	177373	41.564	ug/l	99
94) Hexachlorobutadiene	15.27	225	107594	42.053	ug/l	99
95) Naphthalene	15.41	128	296934	41.834	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	149978	41.220	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: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

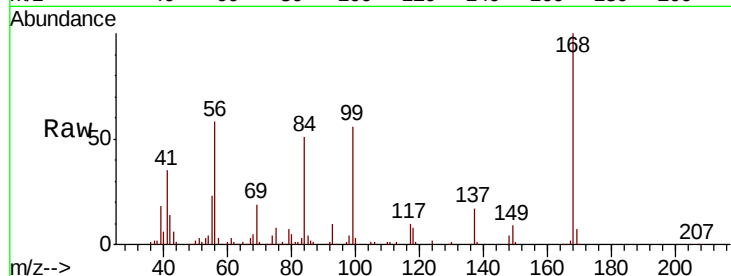
VSTDCCC050

Tot Ion:168 Resp: 324324

Ion Ratio Lower Upper

168 100

99 56.0 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

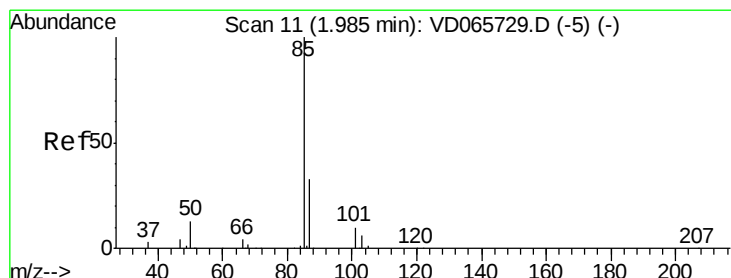
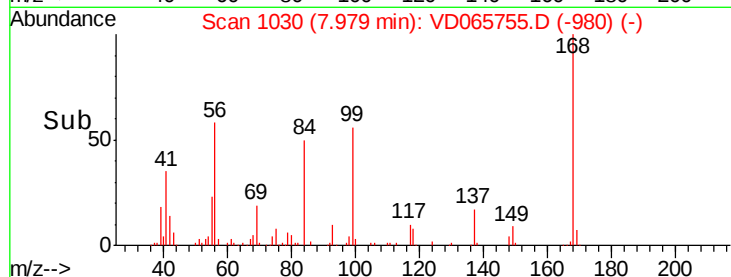
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.590 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065755.D

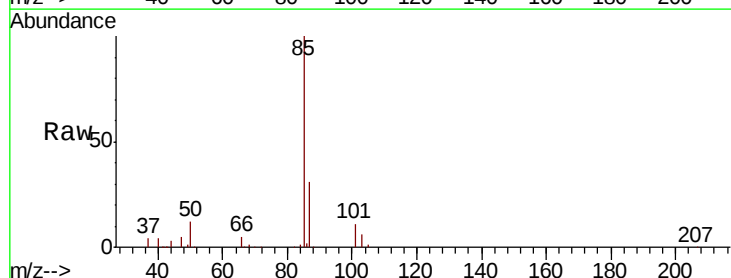
Acq: 26 May 2020 11:50

Tgt Ion: 85 Resp: 94882

Ion Ratio Lower Upper

85 100

87 31.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

80000

60000

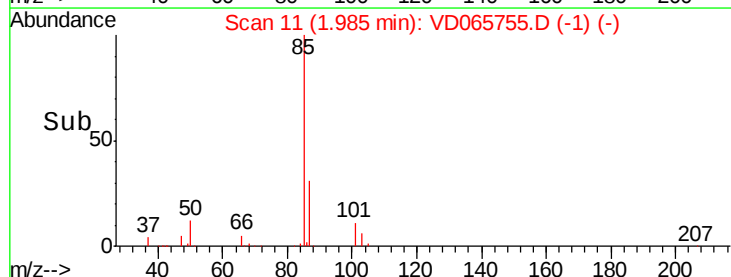
40000

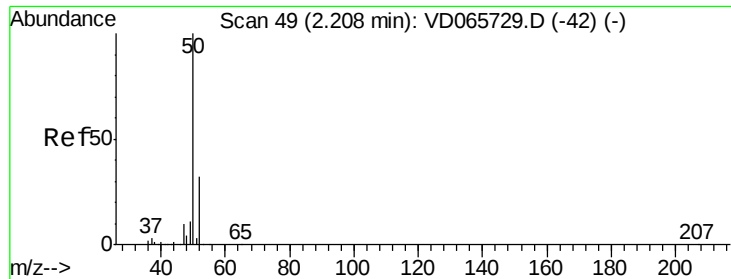
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0

1.95 2.00 2.05

Time-->

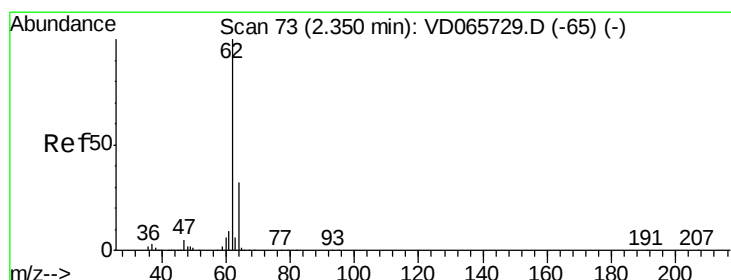
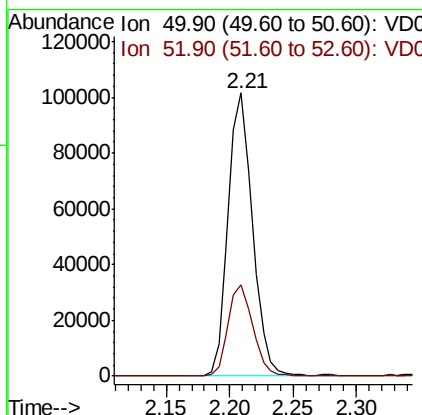
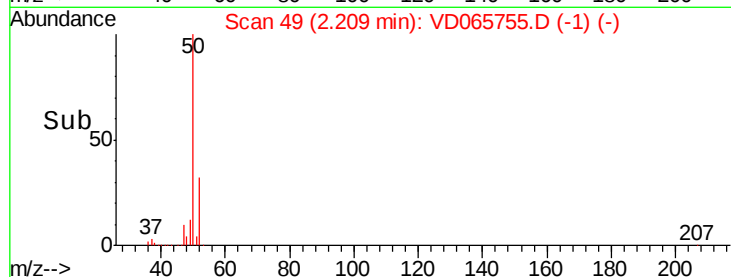
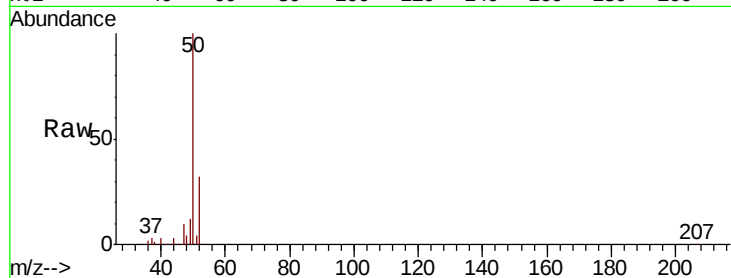




#3
Chloromethane
Concen: 44.491 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

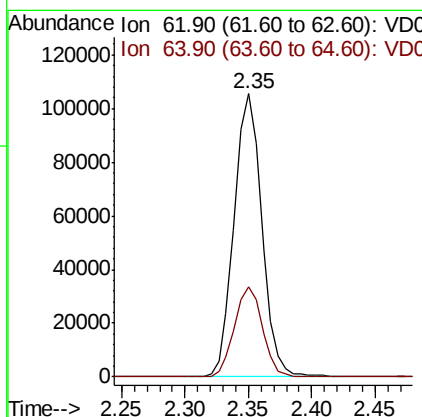
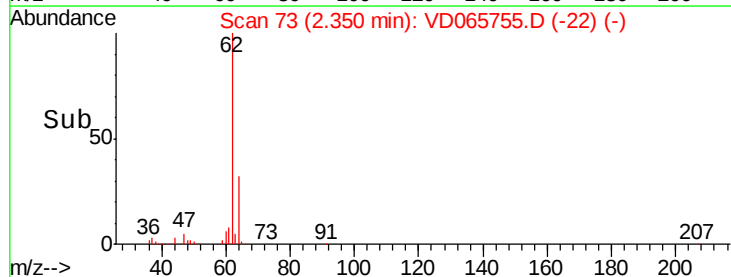
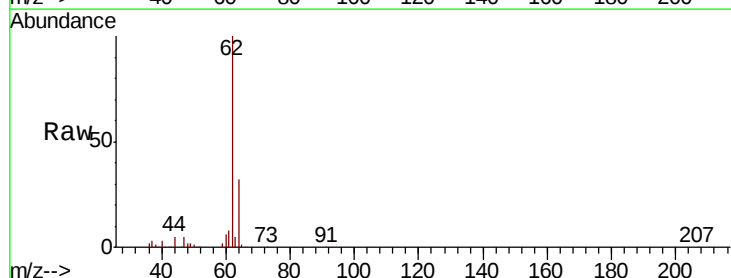
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

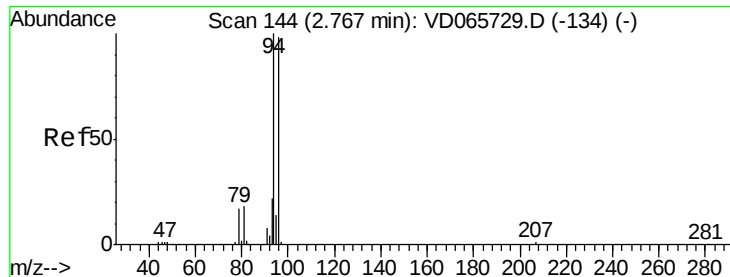
Tot Ion: 50 Resp: 135682
Ion Ratio Lower Upper
50 100
52 32.1 25.5 38.3



#4
Vinyl Chloride
Concen: 48.437 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Tgt Ion: 62 Resp: 159948
Ion Ratio Lower Upper
62 100
64 31.7 25.8 38.6





#5

Bromomethane

Concen: 46.193 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

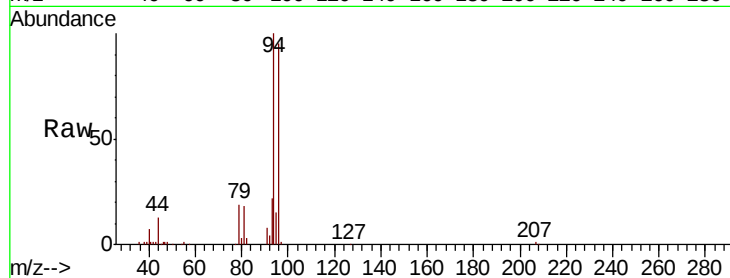
VSTDCCC050

Tot Ion: 94 Resp: 100784

Ion Ratio Lower Upper

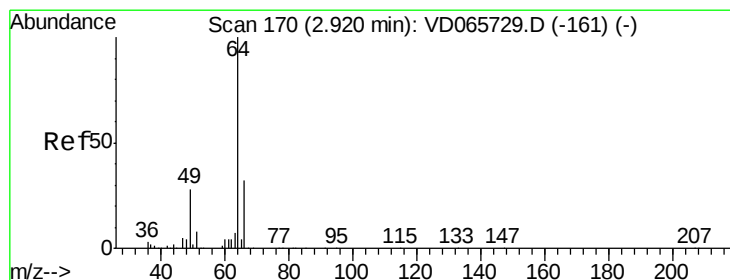
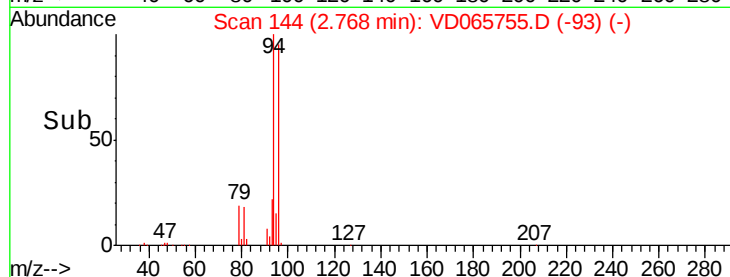
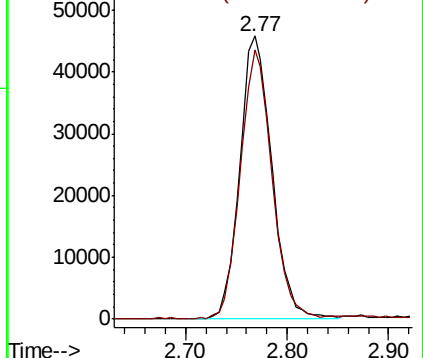
94 100

96 95.0 78.1 117.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.792 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065755.D

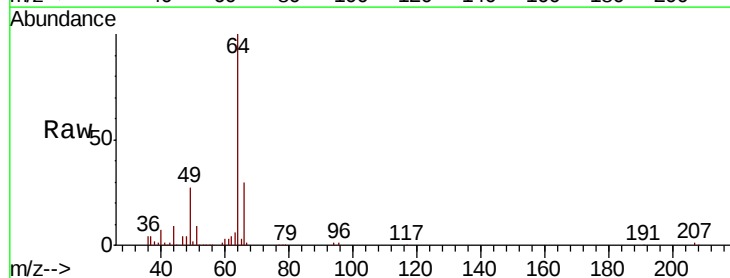
Acq: 26 May 2020 11:50

Tgt Ion: 64 Resp: 106647

Ion Ratio Lower Upper

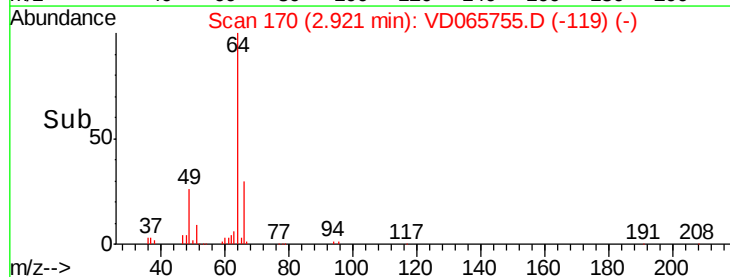
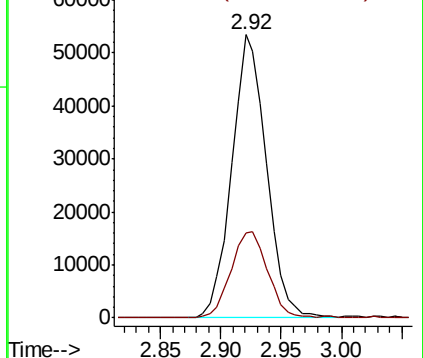
64 100

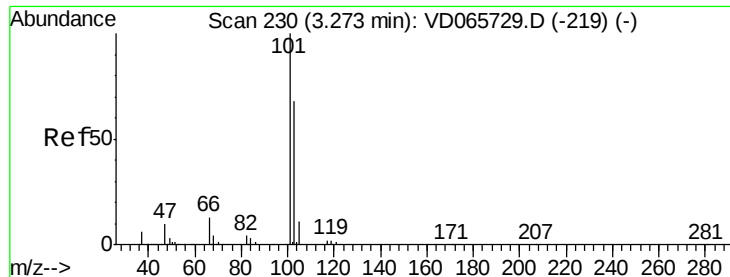
66 29.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



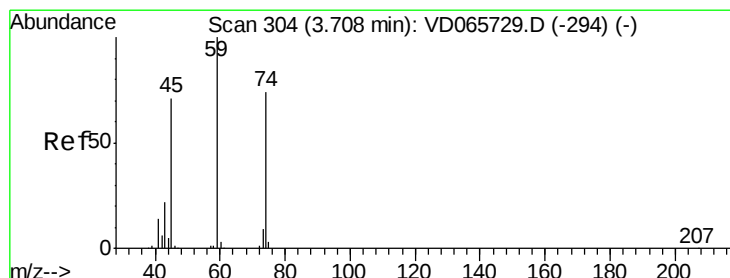
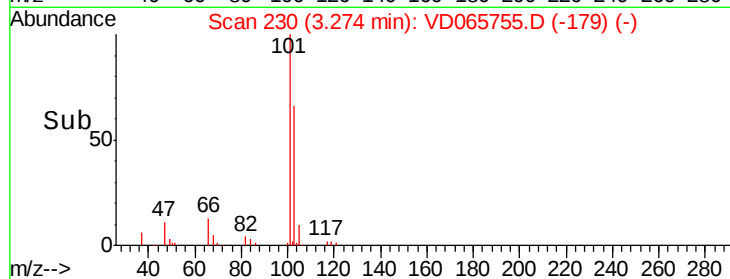
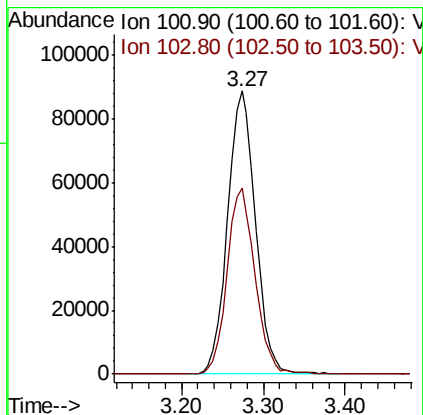
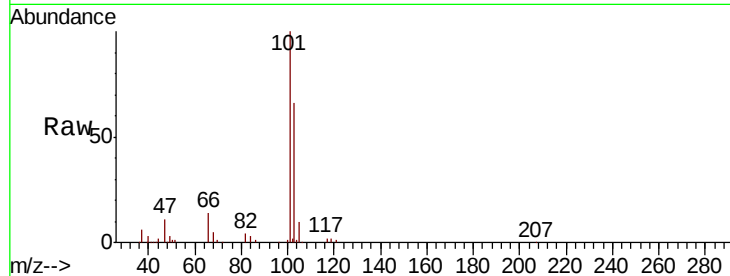


#7

Trichlorofluoromethane
Concen: 46.124 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Instrument :
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VSTDCCC050

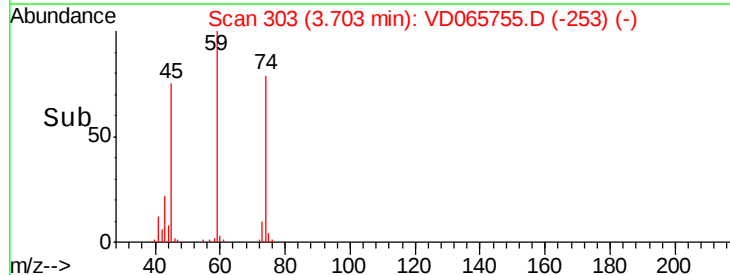
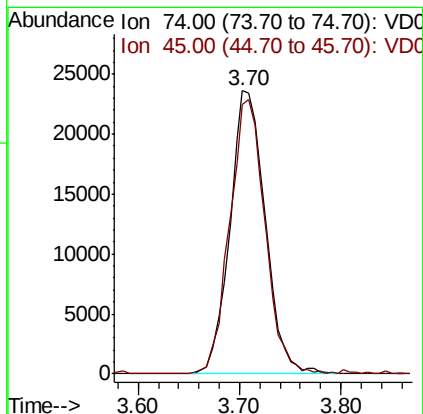
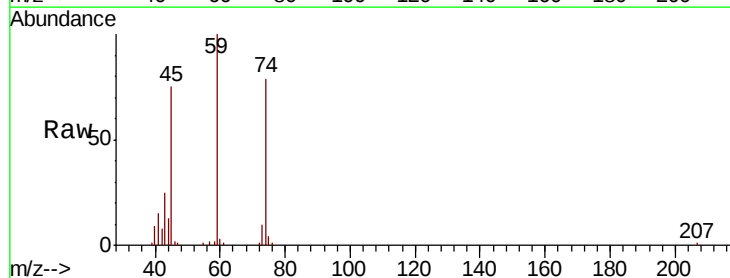
Tot Ion:101 Resp: 210559
Ion Ratio Lower Upper
101 100
103 65.6 54.1 81.1

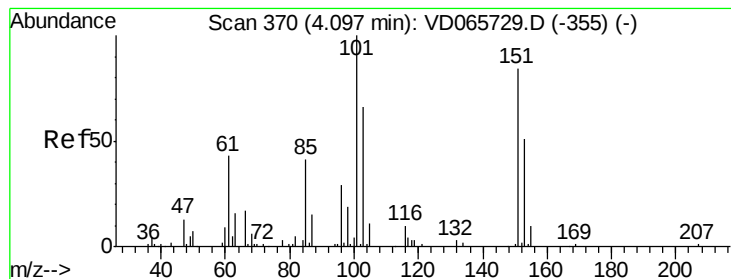


#8

Diethyl Ether
Concen: 43.362 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Tgt Ion: 74 Resp: 56878
Ion Ratio Lower Upper
74 100
45 97.3 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.427 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

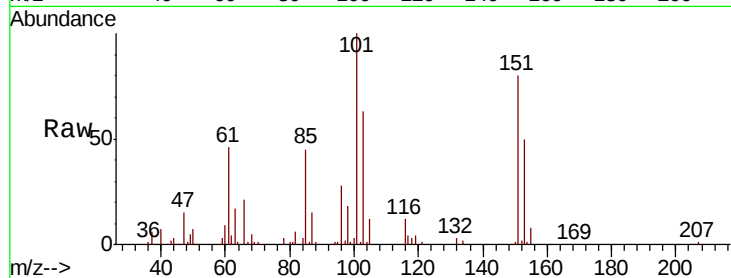
Tot Ion:101 Resp: 124663

Ion Ratio Lower Upper

101 100

85 45.2 34.1 51.1

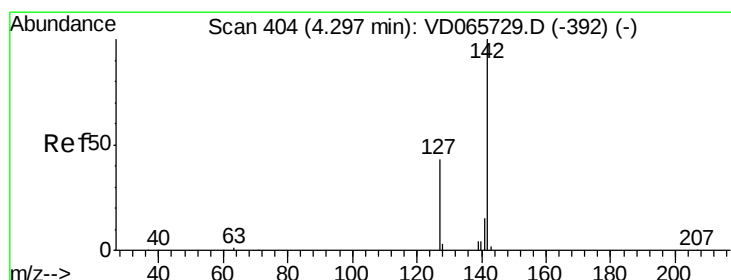
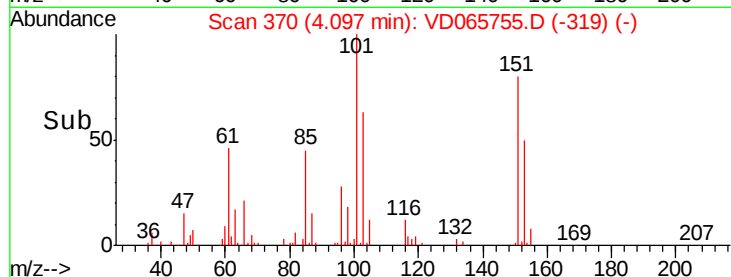
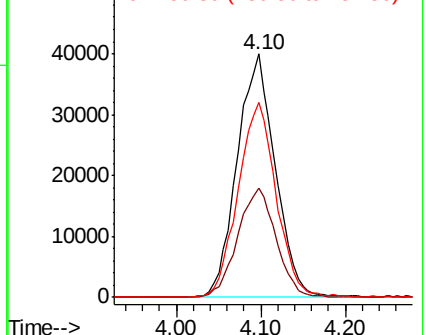
151 80.5 65.1 97.7



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: 43.755 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

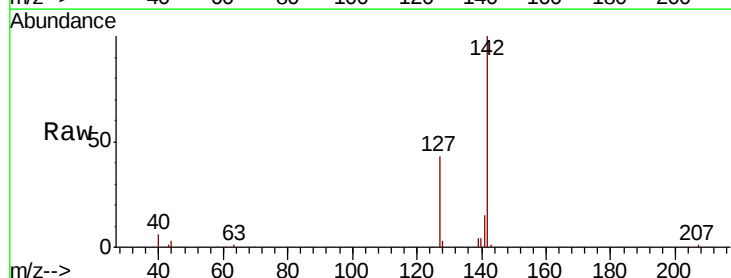
Tgt Ion:142 Resp: 128259

Ion Ratio Lower Upper

142 100

127 44.6 34.2 51.4

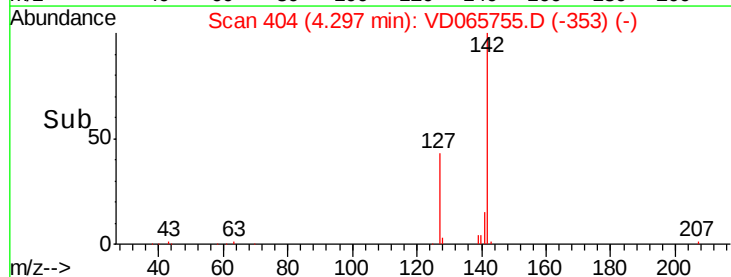
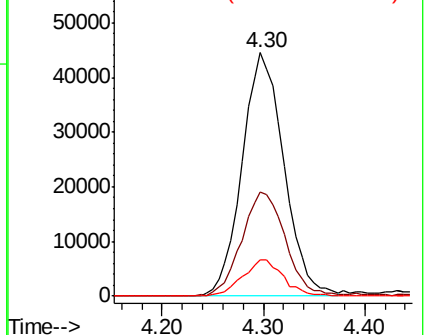
141 14.5 11.7 17.5

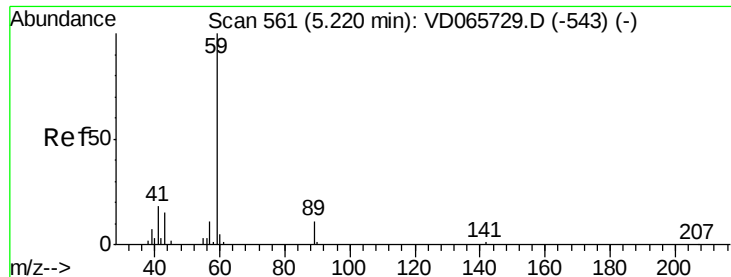


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



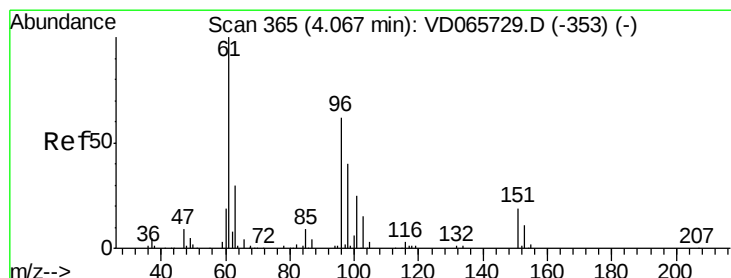
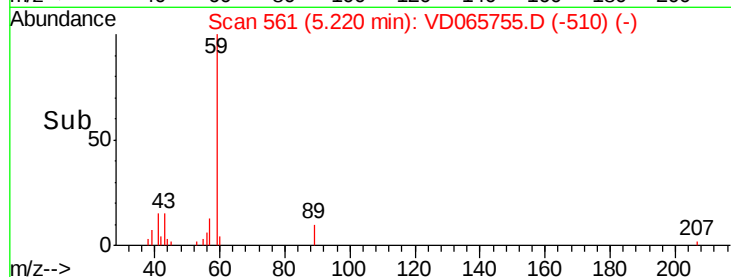
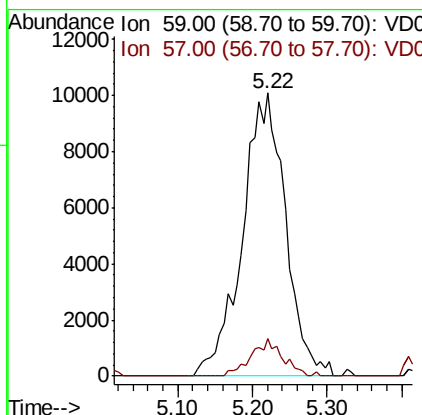
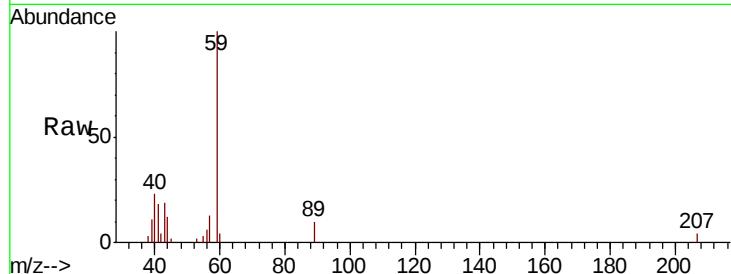


#11

Tert butyl alcohol
 Concen: 177.881 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD065755.D
 Acq: 26 May 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

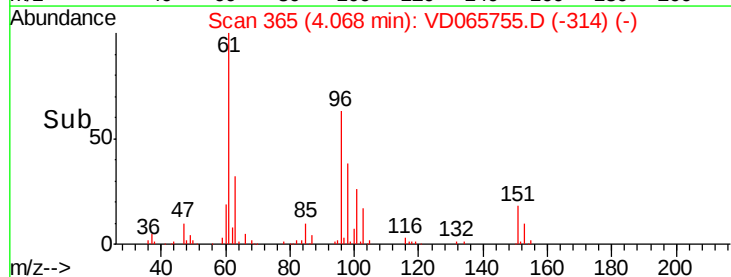
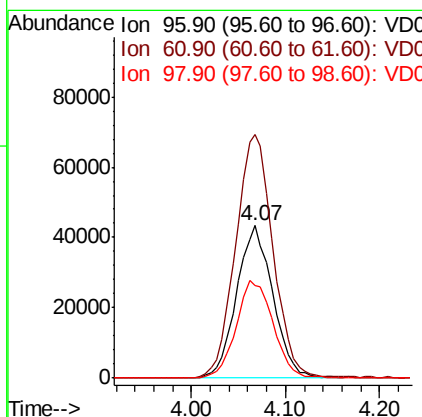
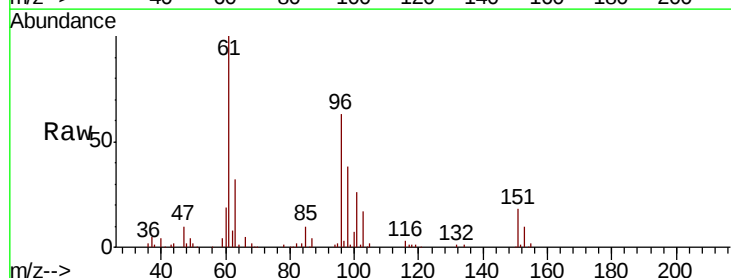
Tot Ion: 59 Resp: 40611
 Ion Ratio Lower Upper
 59 100
 57 9.5 7.4 11.0

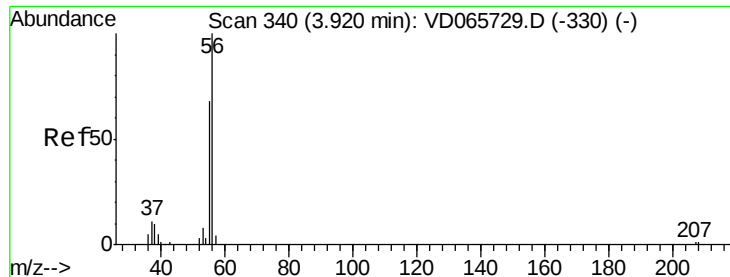


#12

1,1-Dichloroethene
 Concen: 43.599 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065755.D
 Acq: 26 May 2020 11:50

Tgt Ion: 96 Resp: 116035
 Ion Ratio Lower Upper
 96 100
 61 160.0 130.0 195.0
 98 60.4 52.3 78.5





#13

Acrolein

Concen: 240.660 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

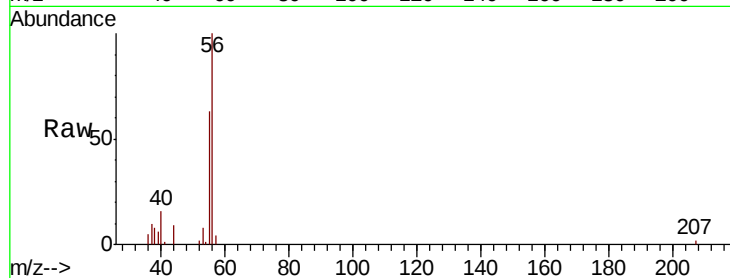
VSTDCCC050

Tot Ion: 56 Resp: 34823

Ion Ratio Lower Upper

56 100

55 72.8 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

10000

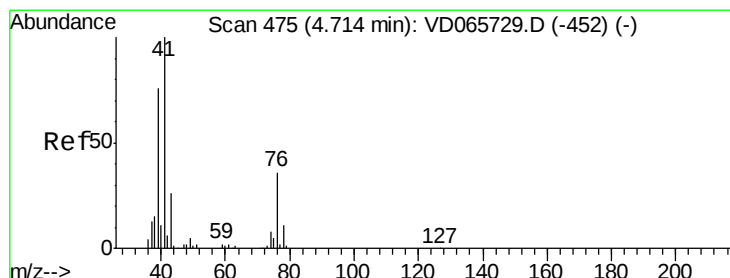
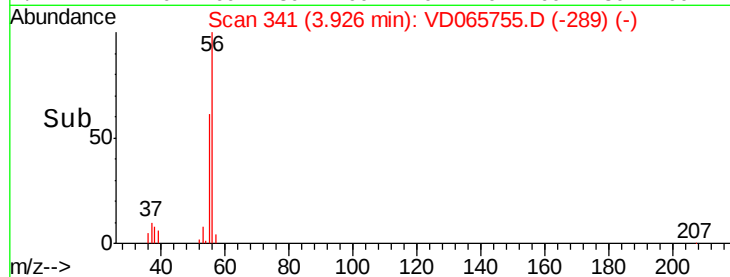
5000

0

3.93

3.80 3.90 4.00

Time-->



#14

Allyl chloride

Concen: 41.760 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

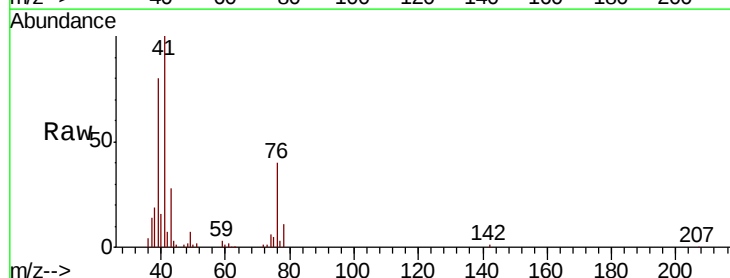
Tgt Ion: 41 Resp: 192168

Ion Ratio Lower Upper

41 100

39 76.1 57.4 86.2

76 36.8 28.4 42.6



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

80000

60000

40000

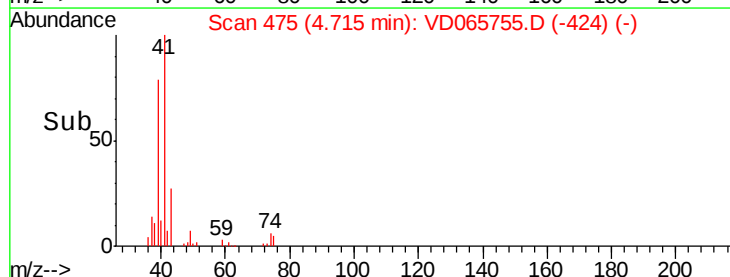
20000

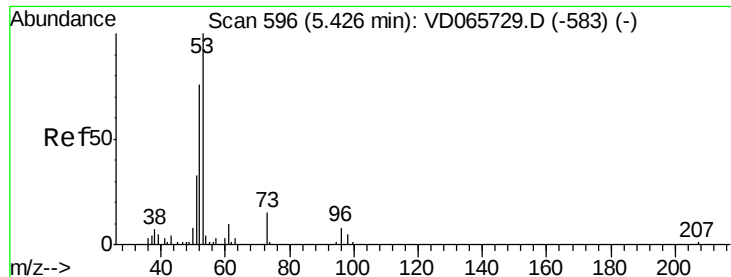
0

4.71

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 217.022 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

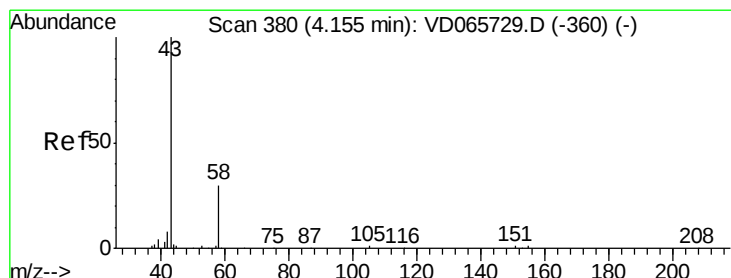
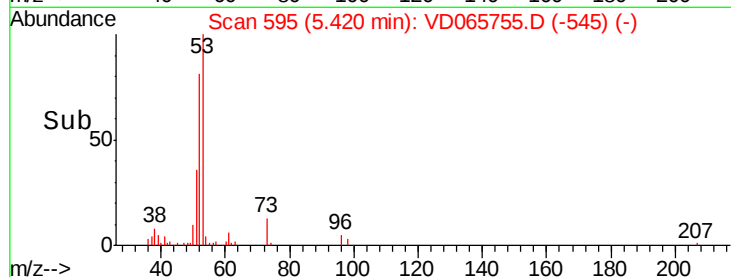
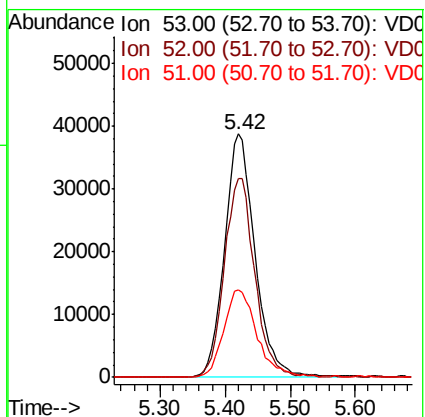
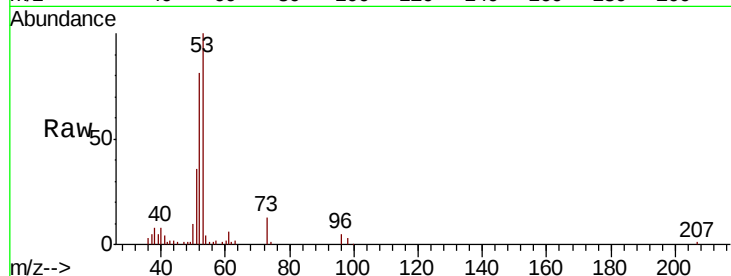
Tot Ion: 53 Resp: 125759

Ion Ratio Lower Upper

53 100

52 81.3 66.3 99.5

51 39.1 29.2 43.8



#16

Acetone

Concen: 303.462 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD065755.D

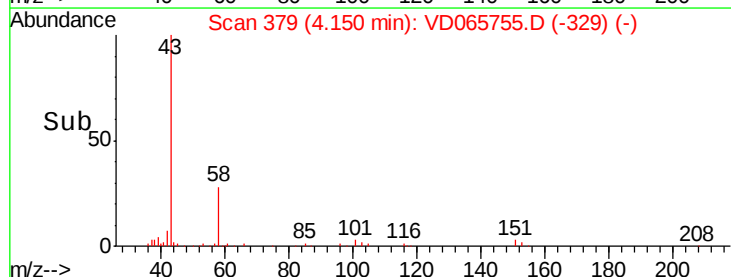
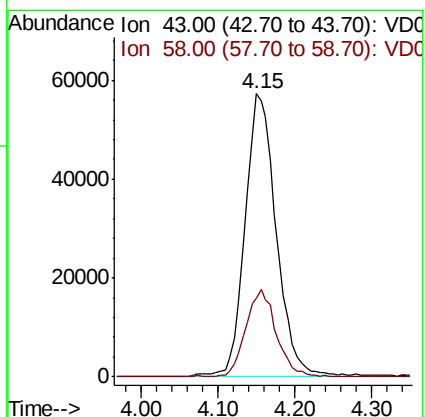
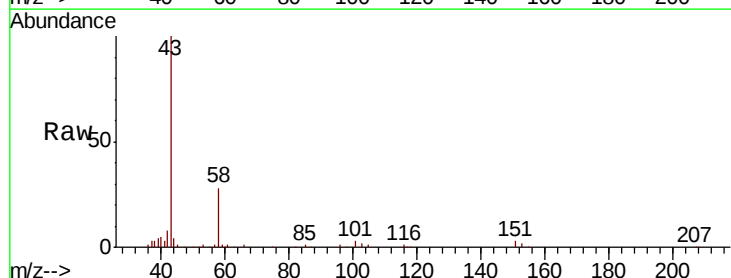
Acq: 26 May 2020 11:50

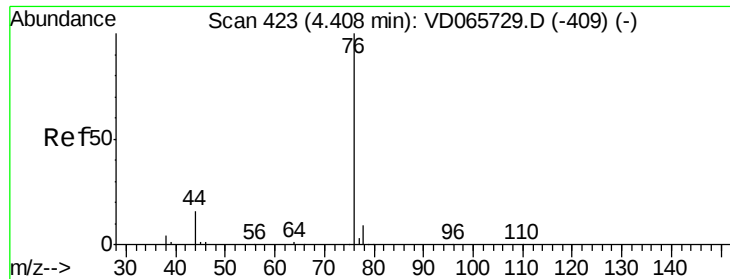
Tgt Ion: 43 Resp: 162683

Ion Ratio Lower Upper

43 100

58 27.6 23.7 35.5

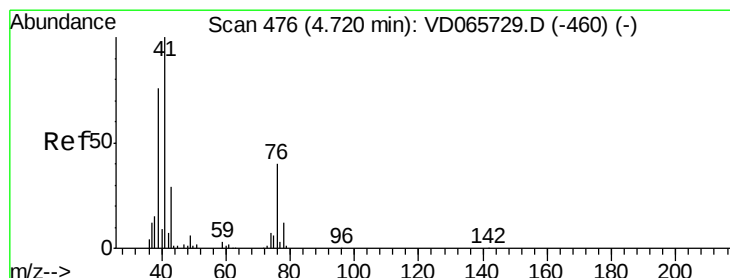
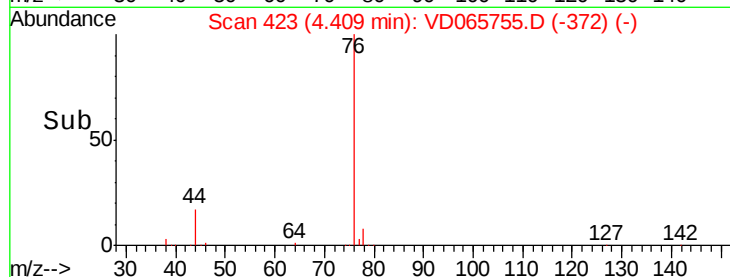
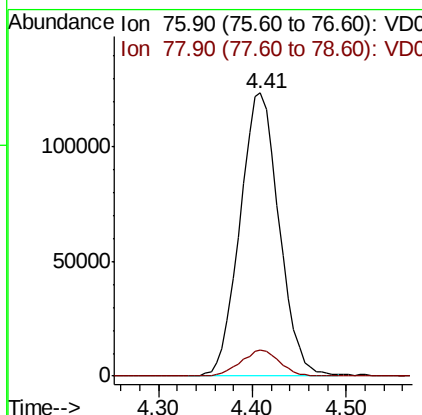
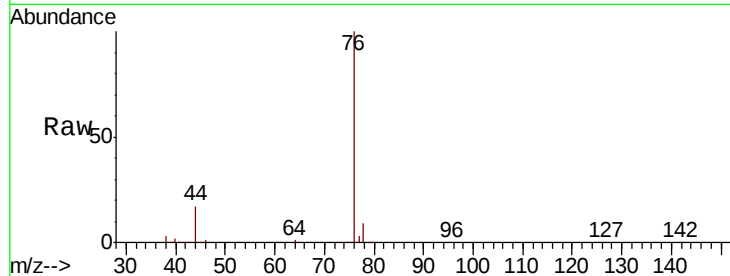




#17
Carbon Disulfide
Concen: 42.417 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

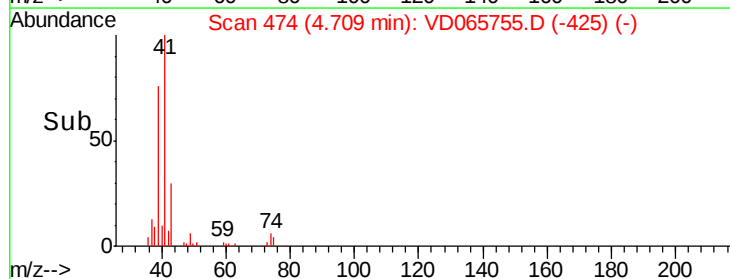
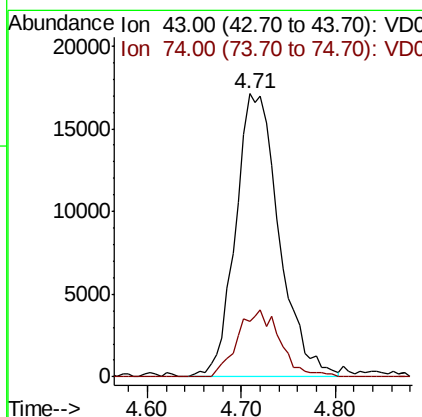
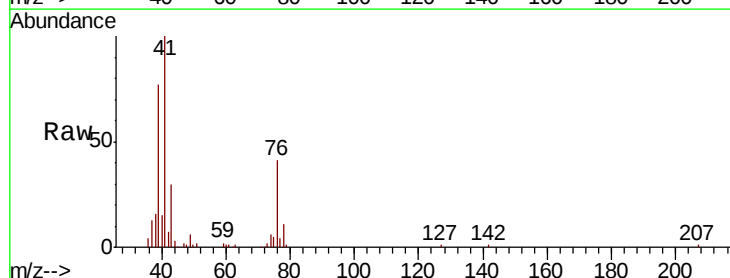
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

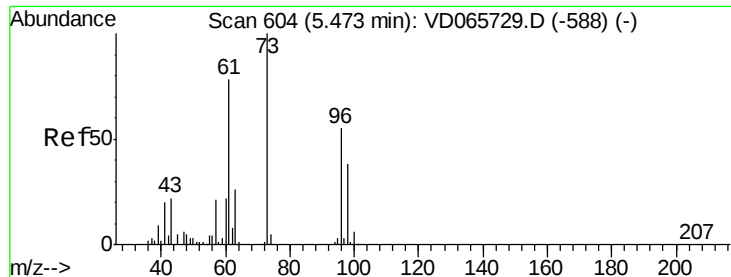
Tot Ion: 76 Resp: 356555
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 43.554 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Tgt Ion: 43 Resp: 55025
Ion Ratio Lower Upper
43 100
74 23.2 18.6 27.8

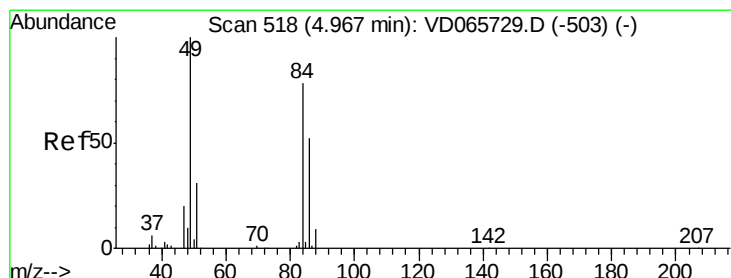
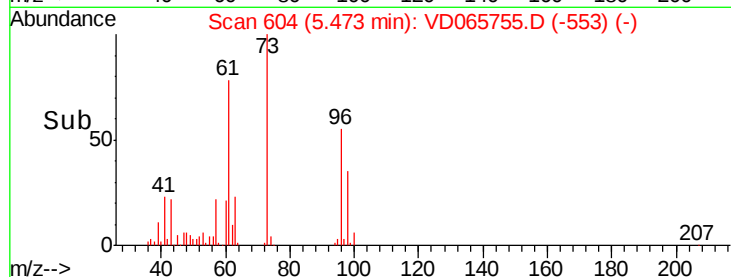
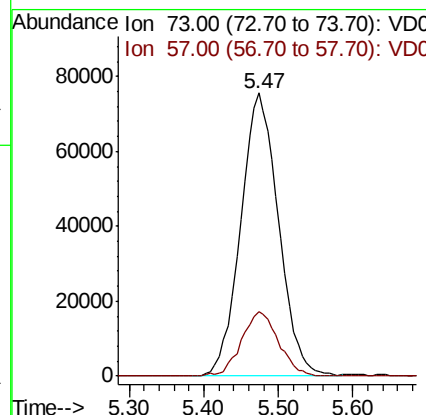
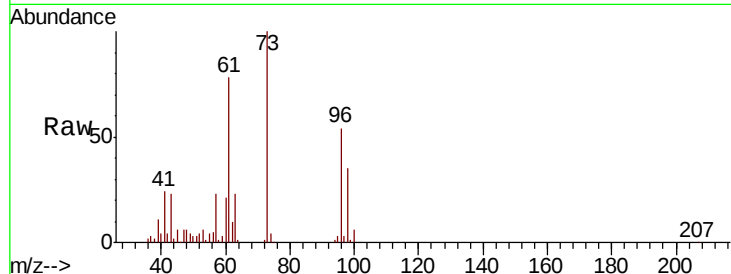




#19
Methvl tert-butvl Ether
Concen: 42.779 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

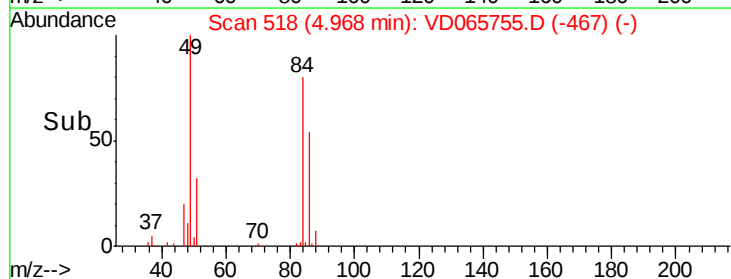
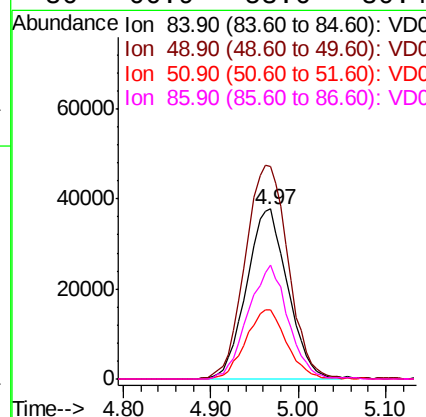
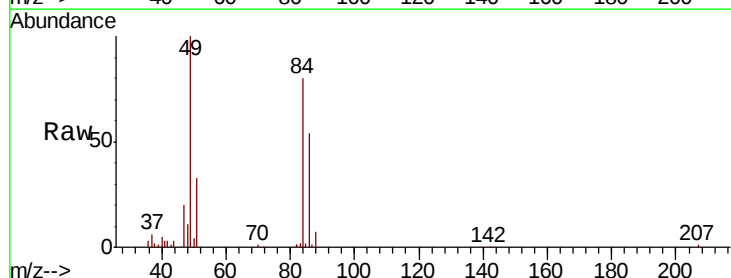
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

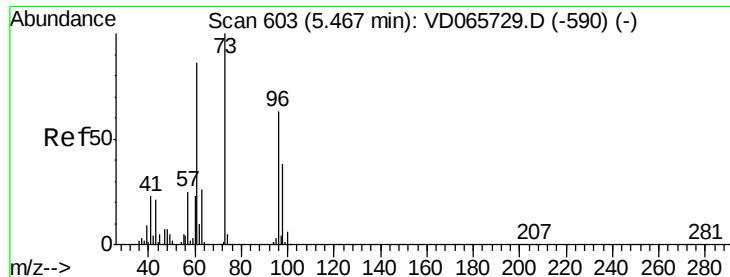
Tot Ion: 73 Resp: 265622
Ion Ratio Lower Upper
73 100
57 22.7 17.0 25.4



#20
Methylene Chloride
Concen: 40.145 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Tgt Ion: 84 Resp: 121415
Ion Ratio Lower Upper
84 100
49 124.9 102.9 154.3
51 40.6 31.5 47.3
86 66.9 53.6 80.4





#21

trans-1,2-Dichloroethene

Concen: 43.326 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

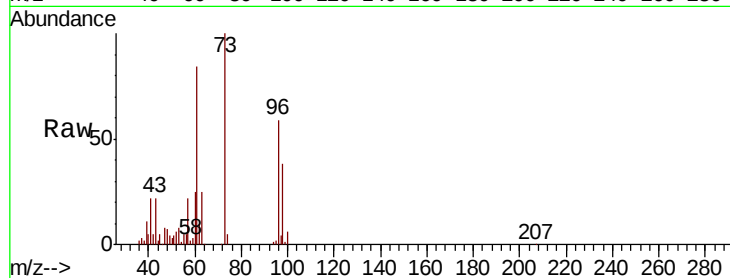
Tot Ion: 96 Resp: 132763

Ion Ratio Lower Upper

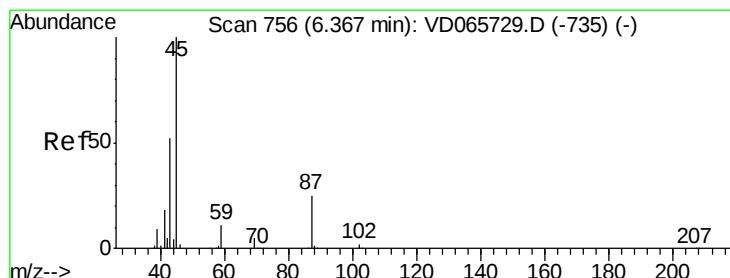
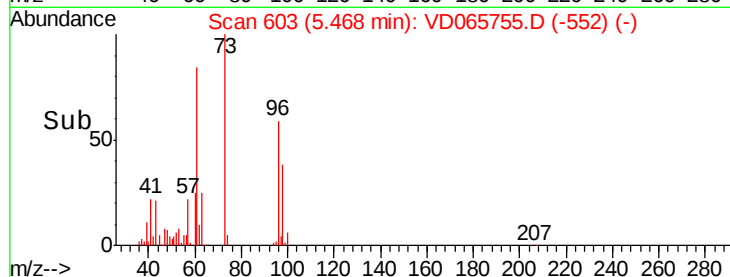
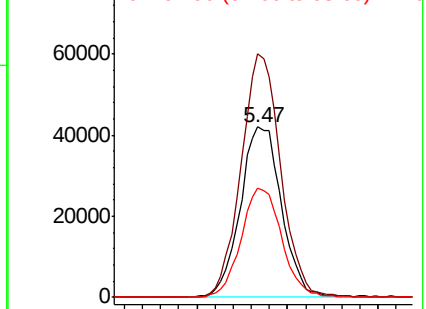
96 100

61 142.8 108.6 163.0

98 63.8 47.9 71.9



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: 43.081 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Tgt Ion: 45 Resp: 377422

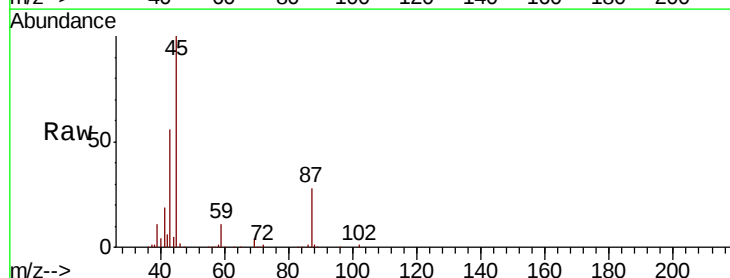
Ion Ratio Lower Upper

45 100

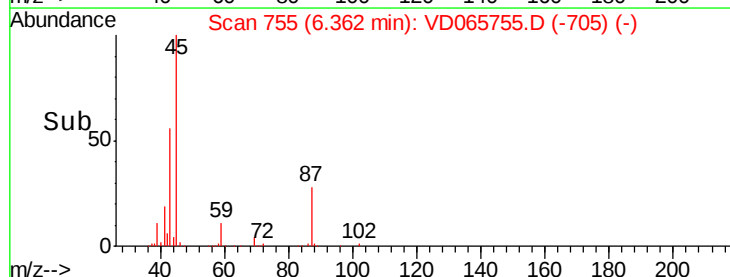
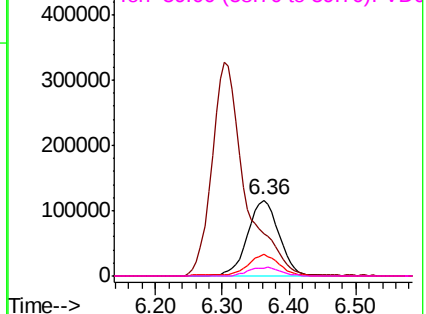
43 55.1 41.8 62.6

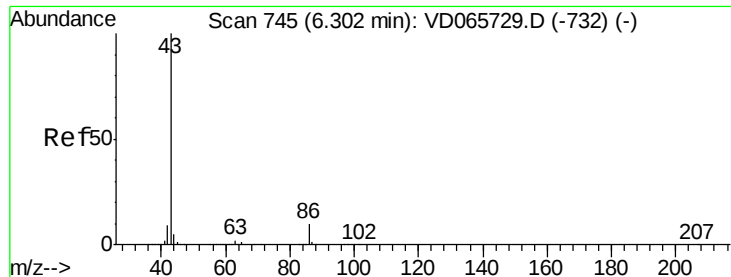
87 28.1 20.1 30.1

59 10.6 8.6 13.0



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: 219.407 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

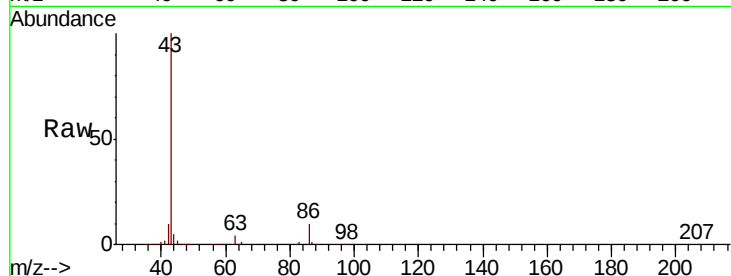
VSTDCCC050

Tot Ion: 43 Resp: 1130580

Ion Ratio Lower Upper

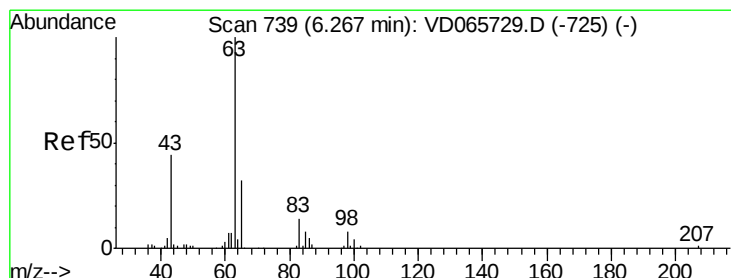
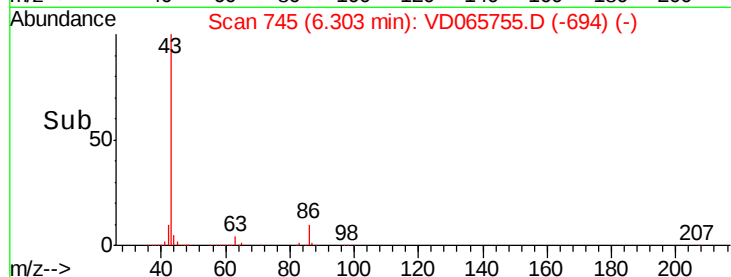
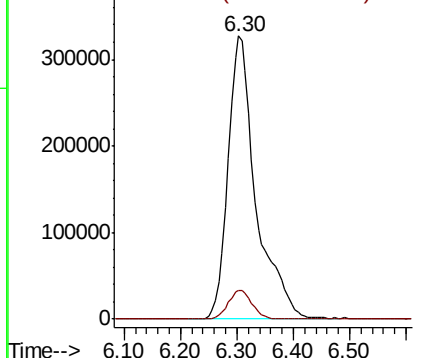
43 100

86 10.1 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 44.104 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

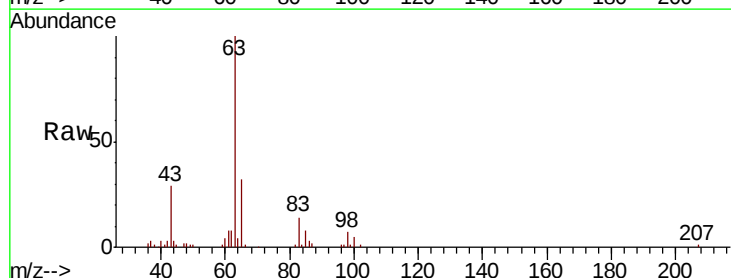
Tgt Ion: 63 Resp: 226230

Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.5

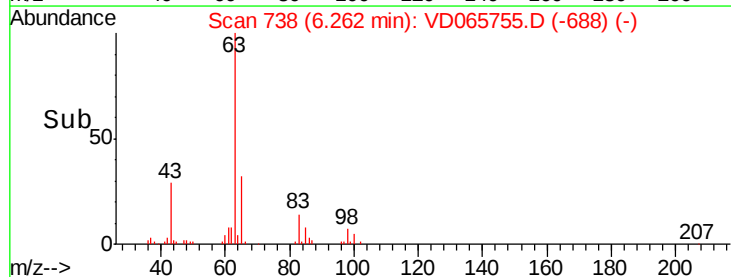
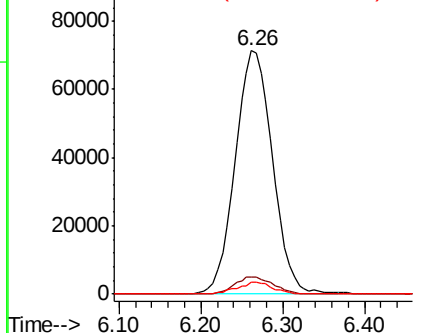
100 5.0 2.2 6.6

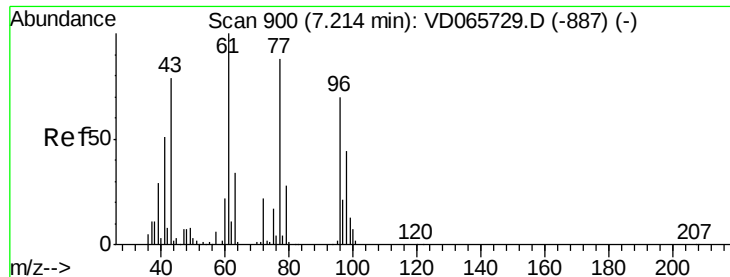


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

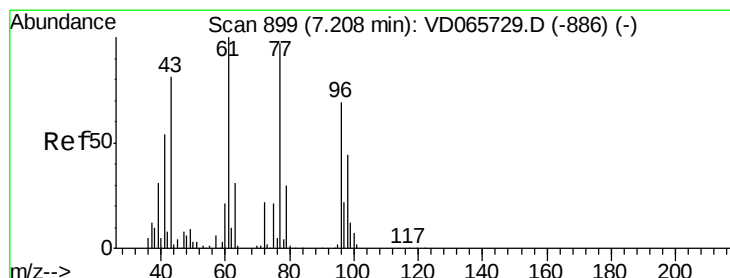
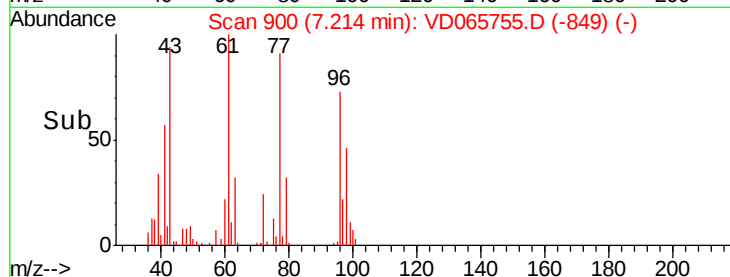
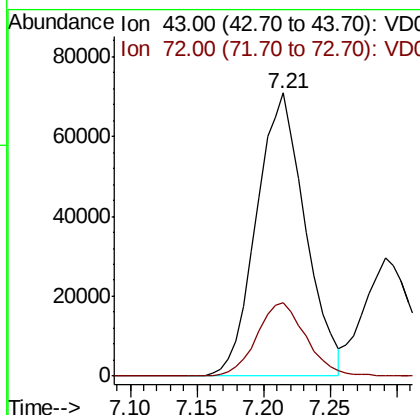
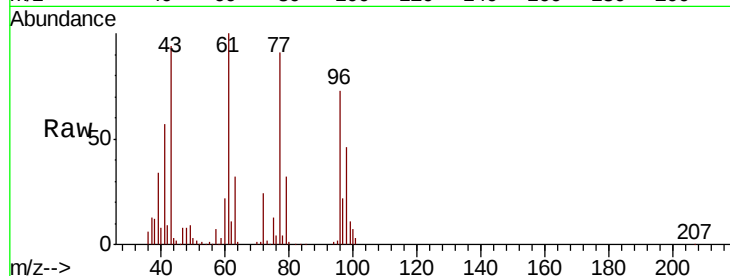




#25
2-Butanone
Concen: 234.140 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

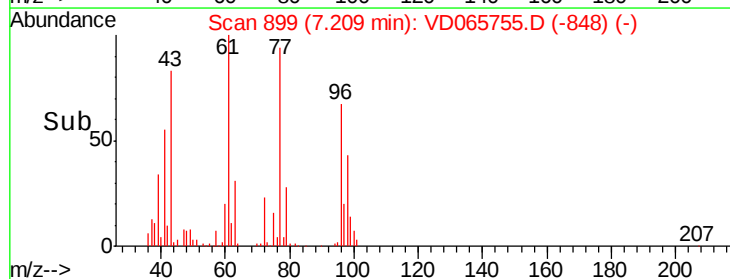
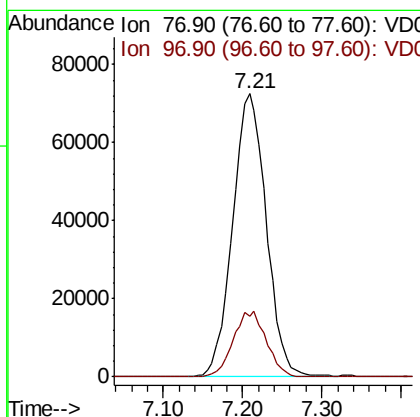
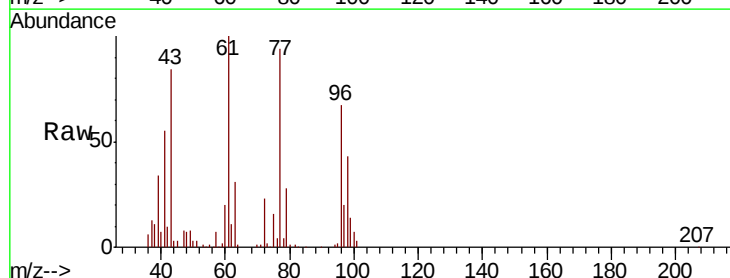
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

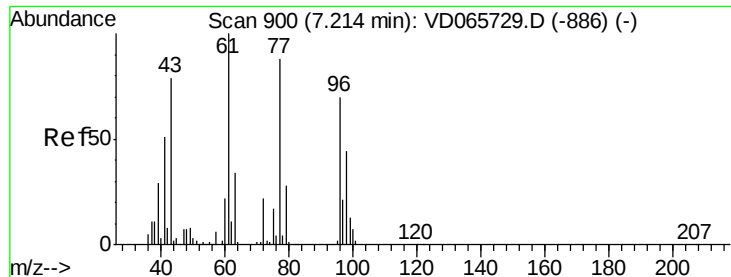
Tot Ion: 43 Resp: 179428
Ion Ratio Lower Upper
43 100
72 25.8 22.3 33.5



#26
2,2-Dichloropropane
Concen: 44.738 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Tgt Ion: 77 Resp: 212991
Ion Ratio Lower Upper
77 100
97 22.7 11.3 33.9



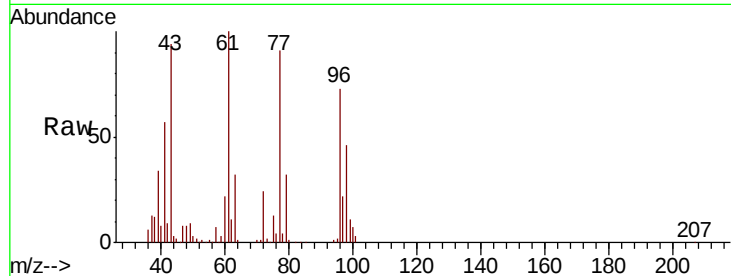


#27

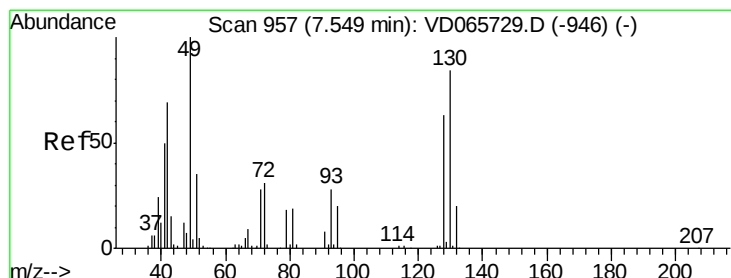
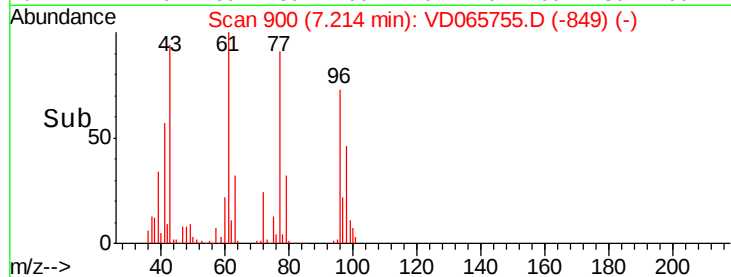
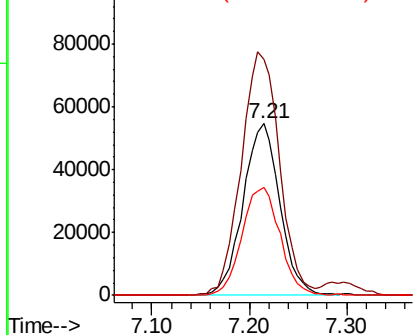
cis-1,2-Dichloroethene
Concen: 42.803 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 143733
Ion Ratio Lower Upper
96 100
61 147.1 0.0 288.0
98 65.2 0.0 127.8



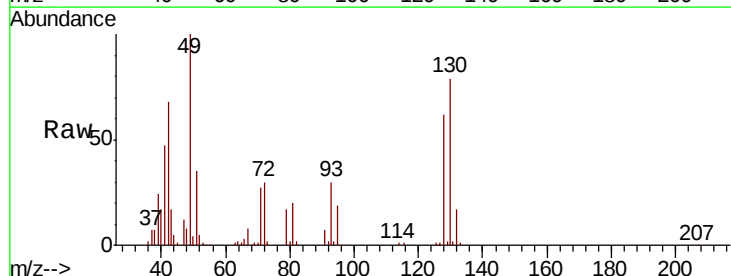
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



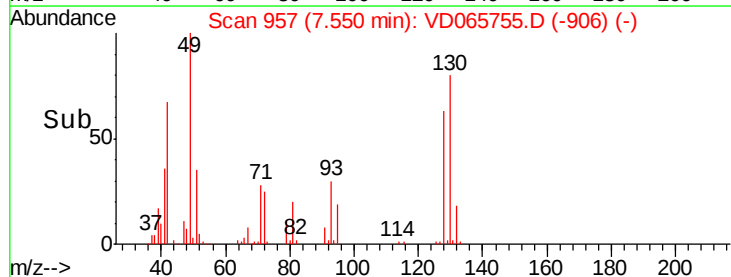
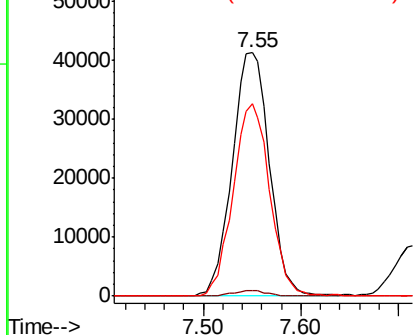
#28

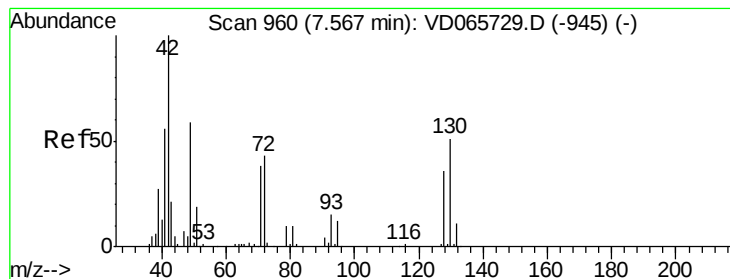
Bromochloromethane
Concen: 51.632 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Tgt Ion: 49 Resp: 108891
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.6
130 77.9 65.2 97.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 215.103 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

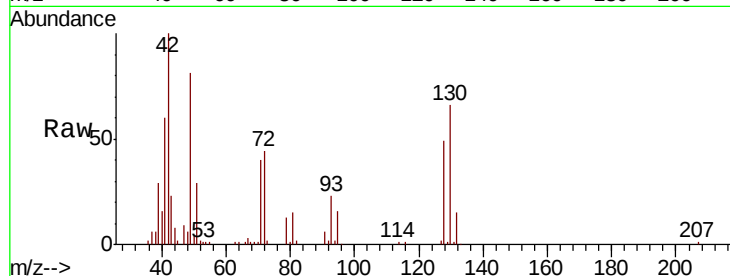
Tot Ion: 42 Resp: 104512

Ion Ratio Lower Upper

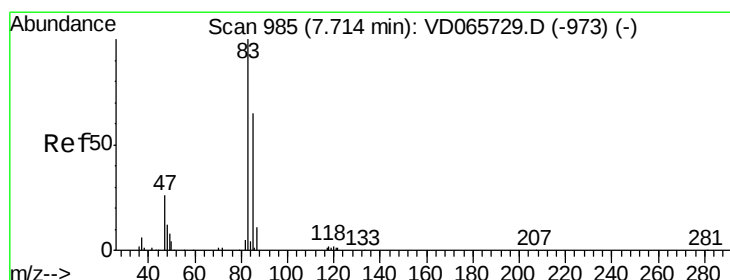
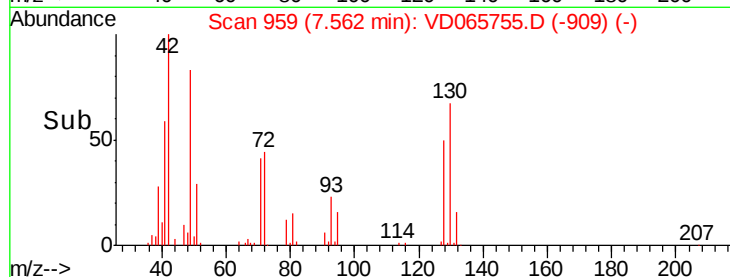
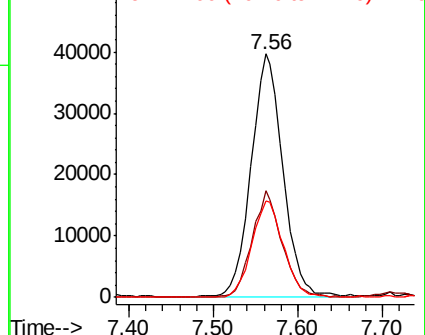
42 100

72 41.0 33.5 50.3

71 39.0 31.8 47.6



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



#30

Chloroform

Concen: 45.364 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065755.D

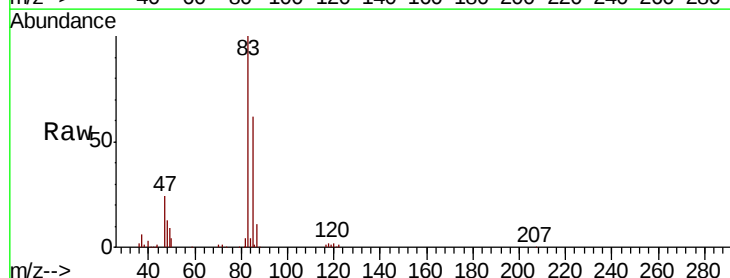
Acq: 26 May 2020 11:50

Tgt Ion: 83 Resp: 235169

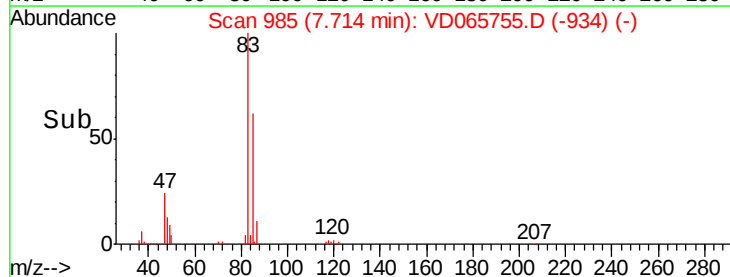
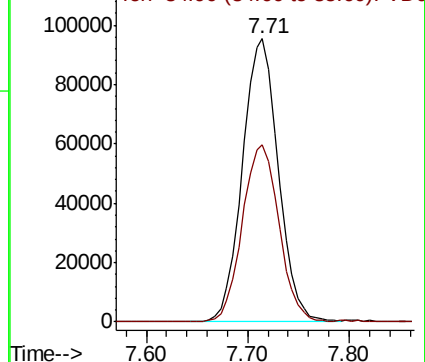
Ion Ratio Lower Upper

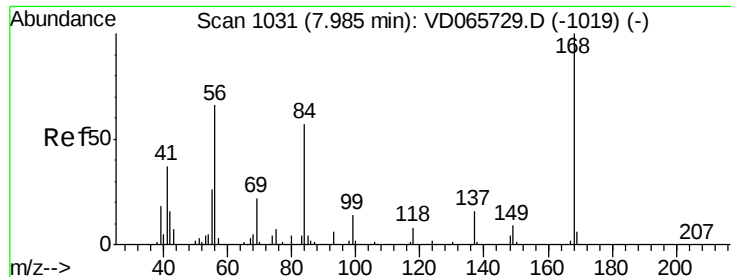
83 100

85 62.4 52.2 78.2



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

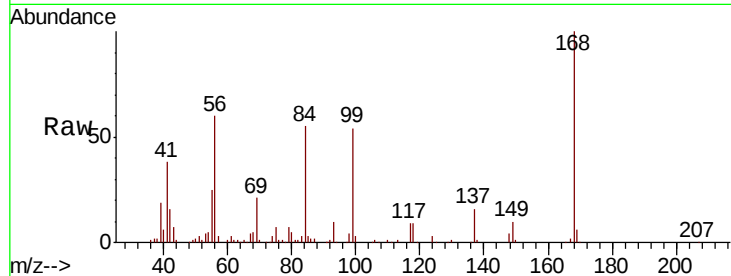




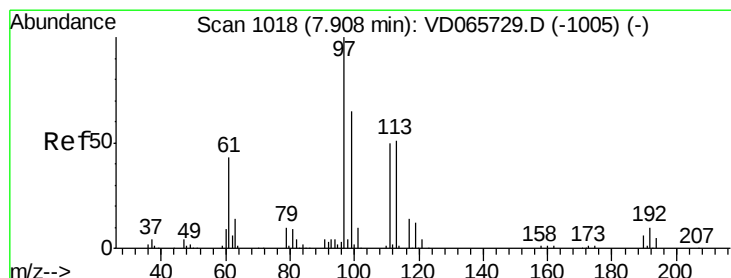
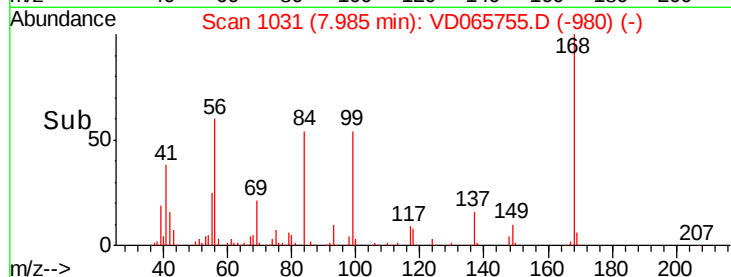
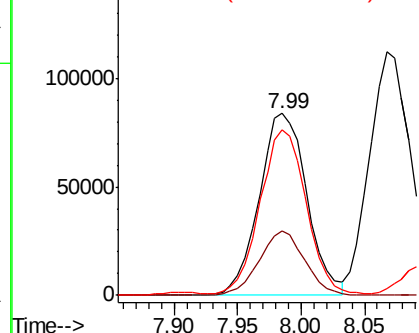
#31
Cyclohexane
Concen: 42.305 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 219663
Ion Ratio Lower Upper
56 100
69 35.5 25.9 38.9
84 89.4 69.1 103.7

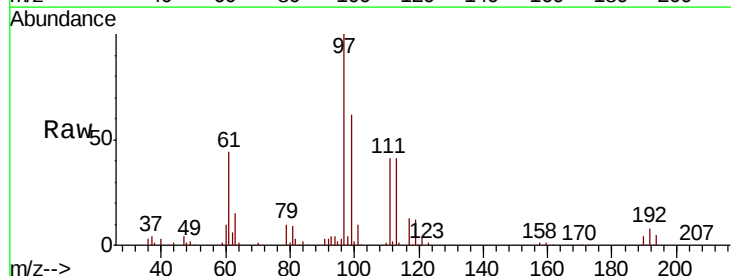


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

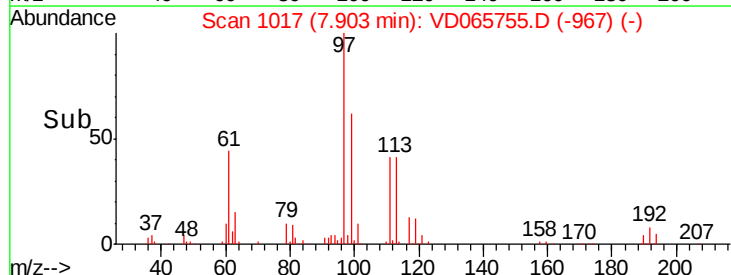
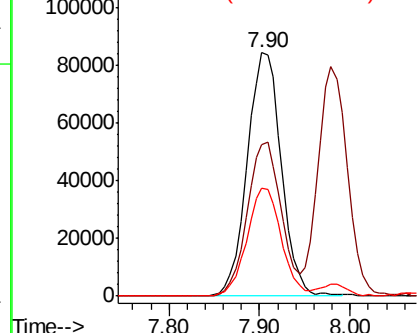


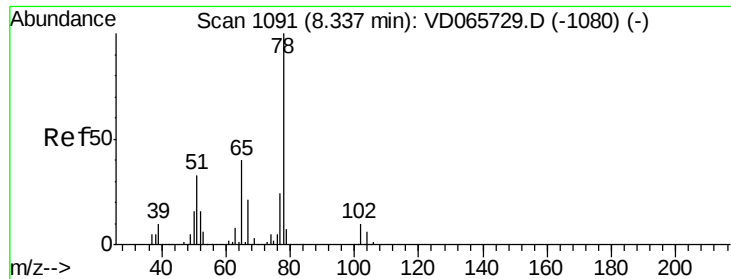
#32
1,1,1-Trichloroethane
Concen: 45.164 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Tgt Ion: 97 Resp: 219325
Ion Ratio Lower Upper
97 100
99 63.3 50.5 75.7
61 44.9 33.9 50.9



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: 48.377 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

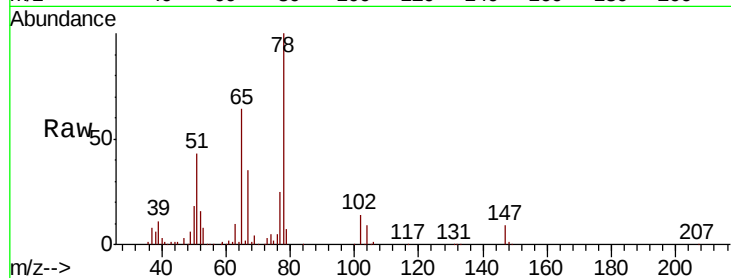
VSTDCCC050

Tot Ion: 65 Resp: 126436

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

60000

50000

40000

30000

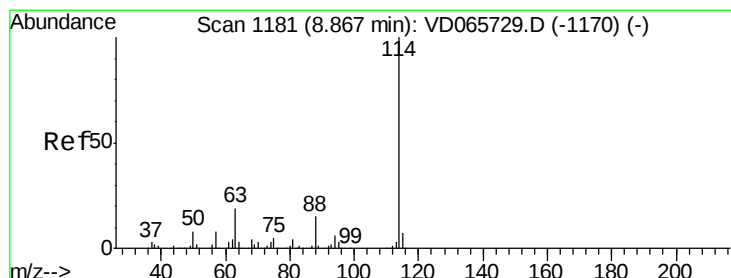
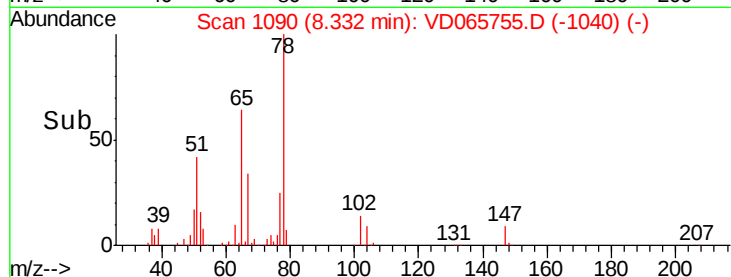
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

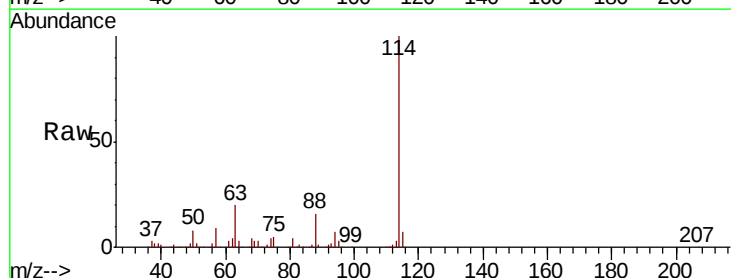
Tgt Ion: 114 Resp: 482410

Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.2

88 16.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

300000

250000

200000

150000

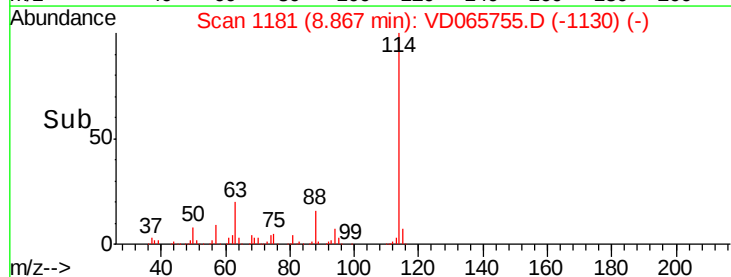
100000

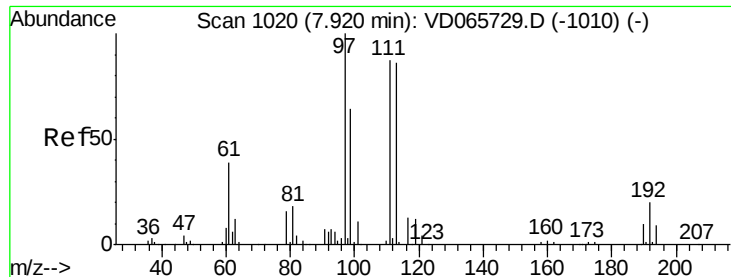
50000

0

8.80 8.90 9.00

Time-->

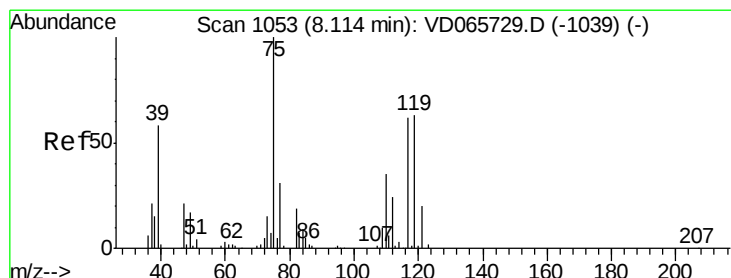
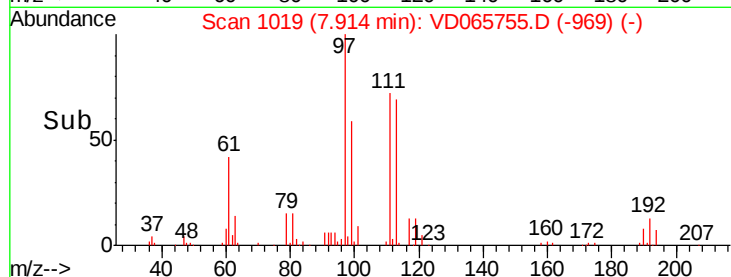
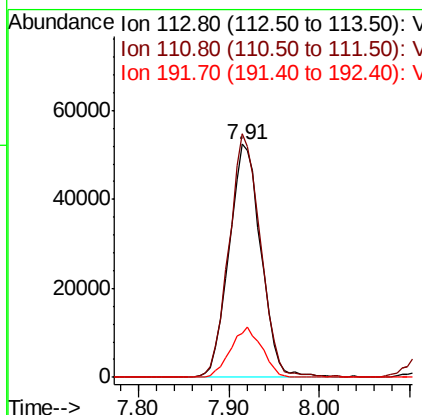
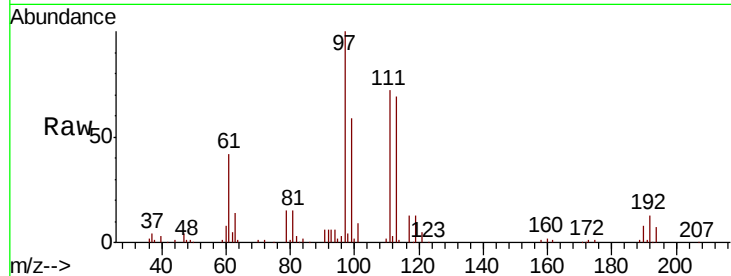




#35
 Dibromofluoromethane
 Concen: 46.953 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065755.D
 Acq: 26 May 2020 11:50

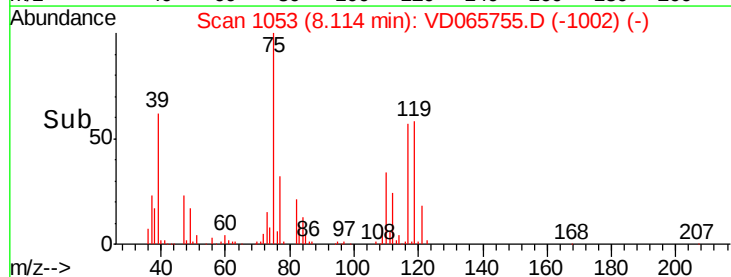
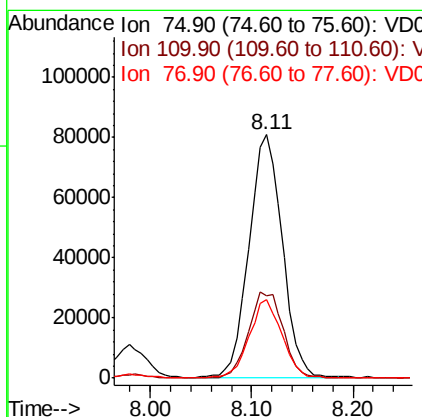
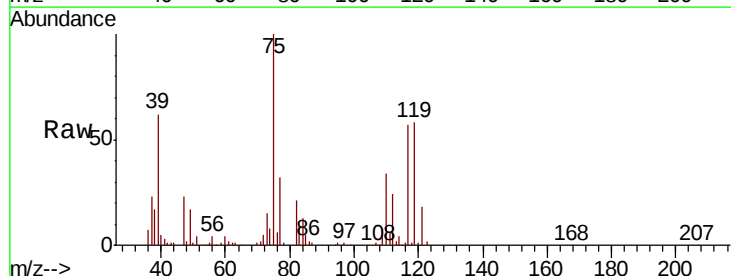
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

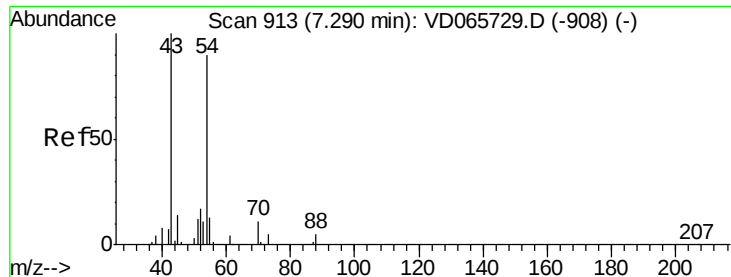
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.1	121.7
192	21.3	17.6	26.4



#36
 1,1-Dichloropropene
 Concen: 44.272 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065755.D
 Acq: 26 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.4	55.2
77	31.9	24.6	37.0

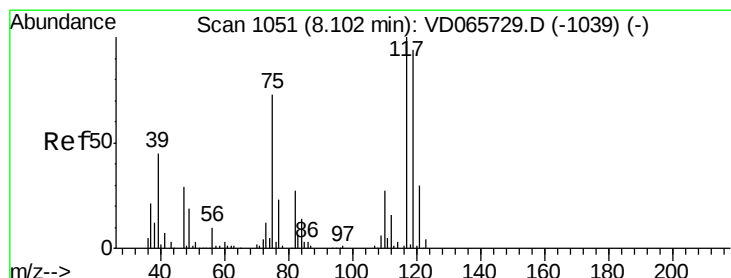
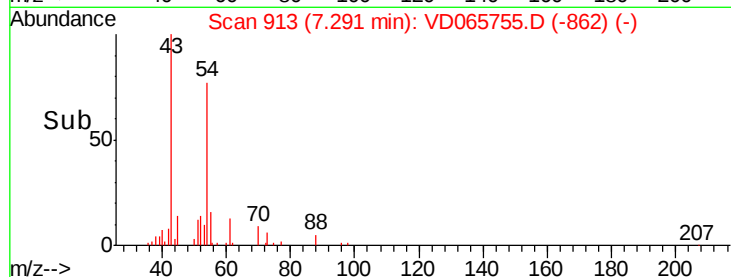
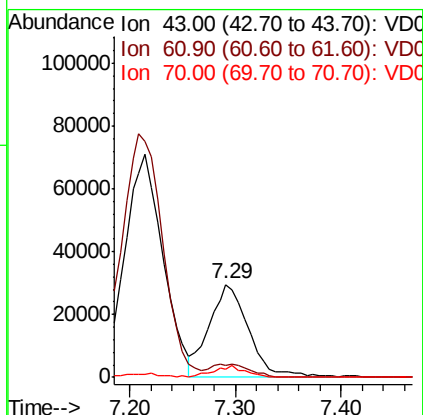
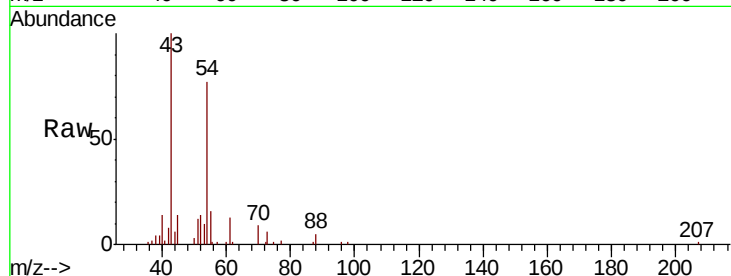




#37
Ethyl Acetate
Concen: 41.961 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

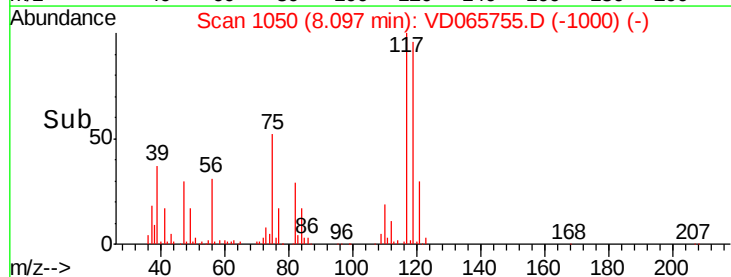
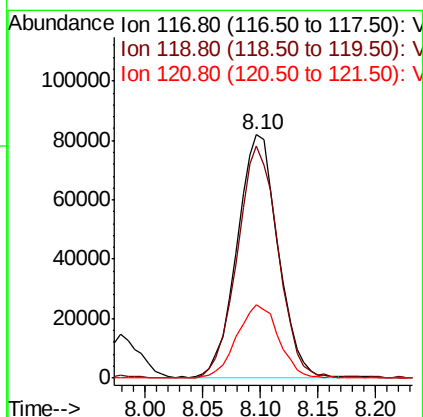
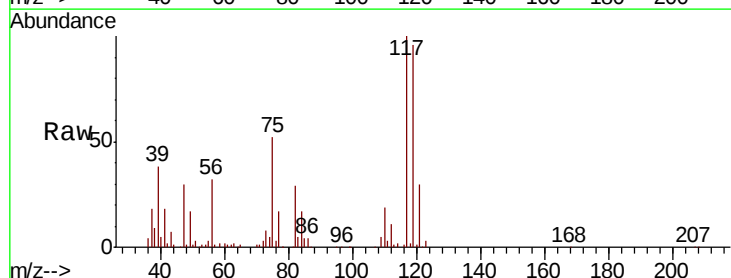
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

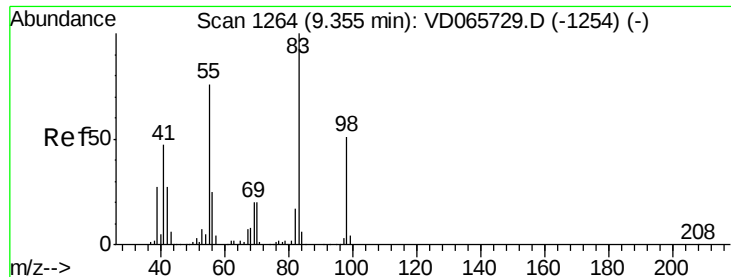
Tot Ion: 43 Resp: 75311
Ion Ratio Lower Upper
43 100
61 13.6 9.8 14.6
70 10.1 8.6 12.8



#38
Carbon Tetrachloride
Concen: 45.126 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Tgt Ion: 117 Resp: 200518
Ion Ratio Lower Upper
117 100
119 95.6 75.6 113.4
121 30.0 24.4 36.6

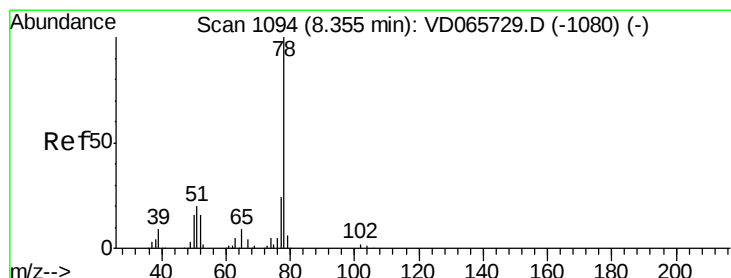
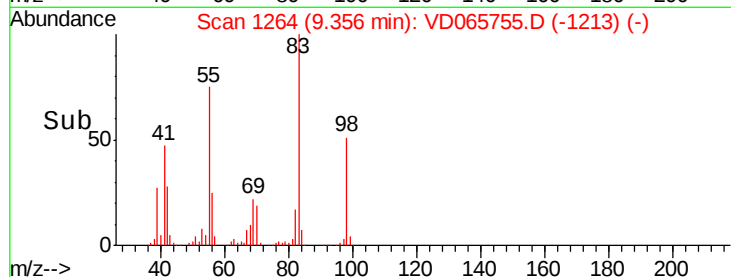
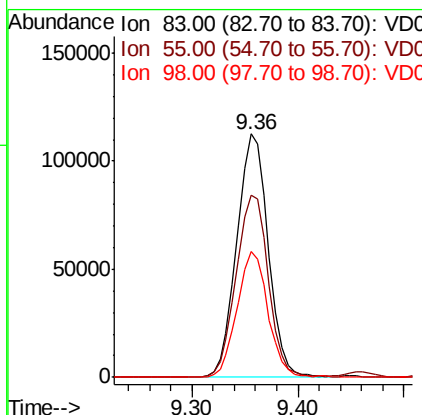
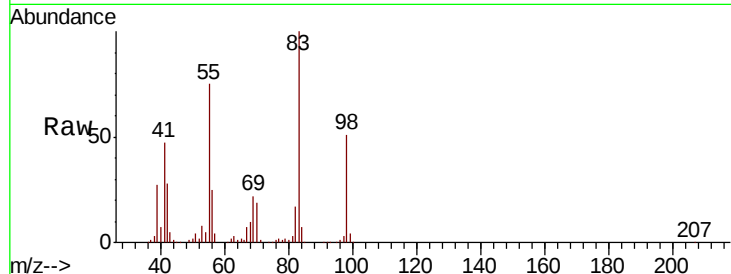




#39
Methvlcvclohexane
Concen: 43.382 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

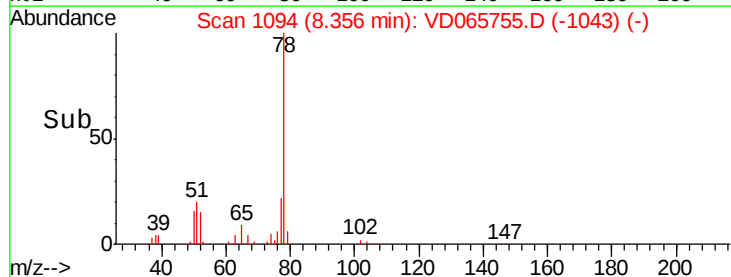
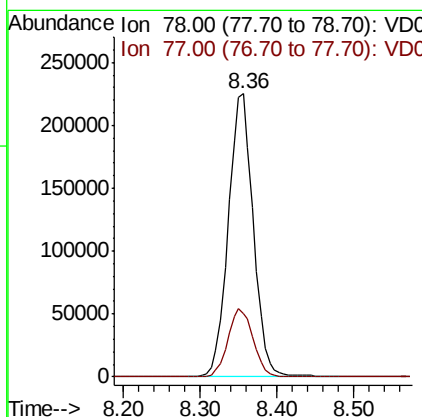
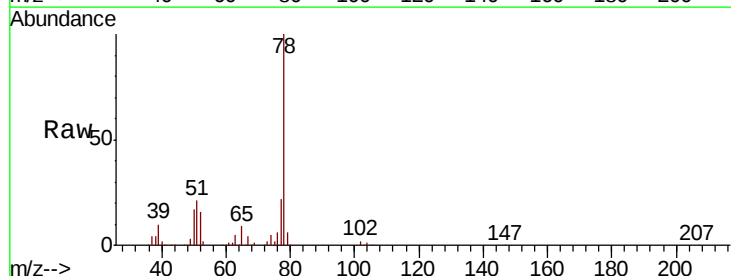
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

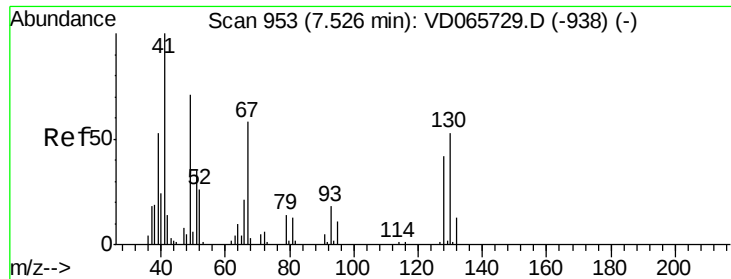
Tot Ion	83.00	Resp	232919
Ion	Ratio	Lower	Upper
83	100		
55	74.8	60.9	91.3
98	51.4	40.6	61.0



#40
Benzene
Concen: 44.295 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Tgt Ion	78.00	Resp	510282
Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.1	28.7

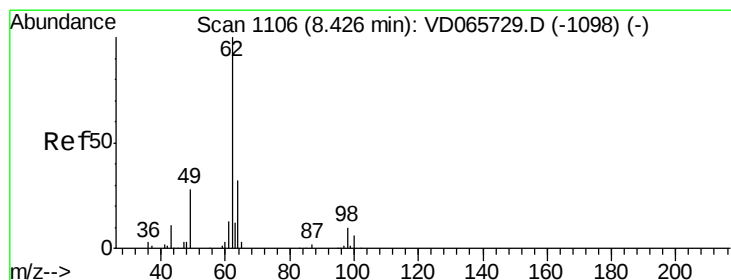
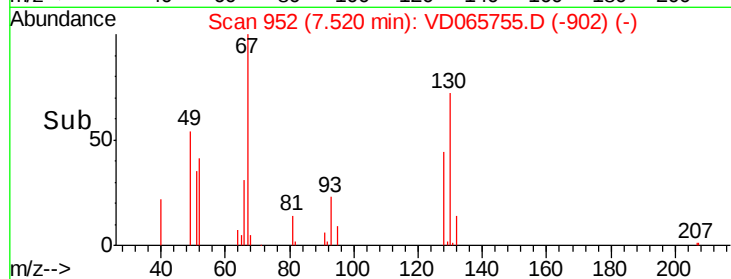
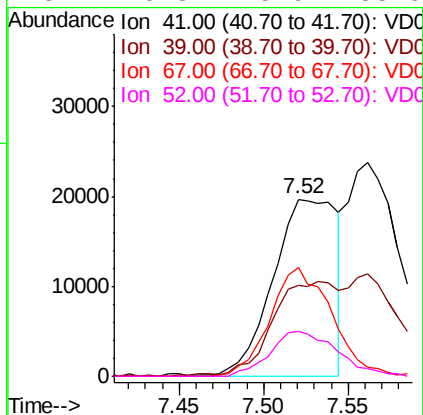
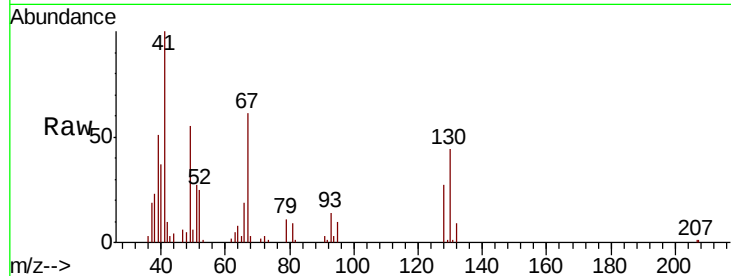




#41
Methacrylonitrile
Concen: 52.398 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

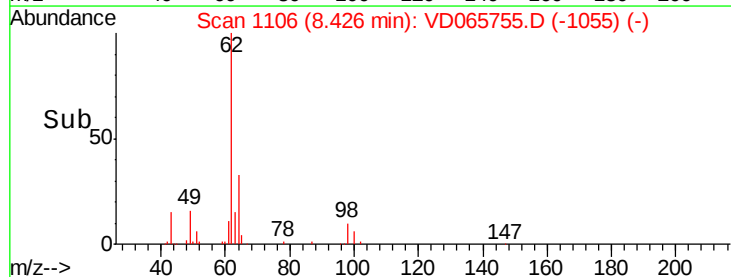
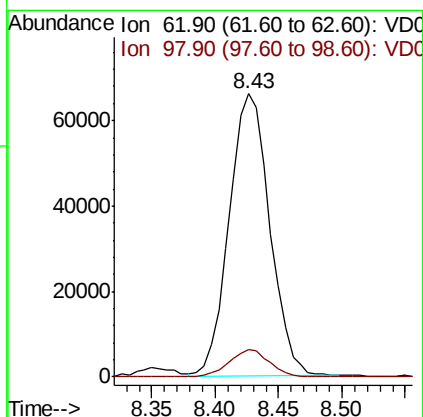
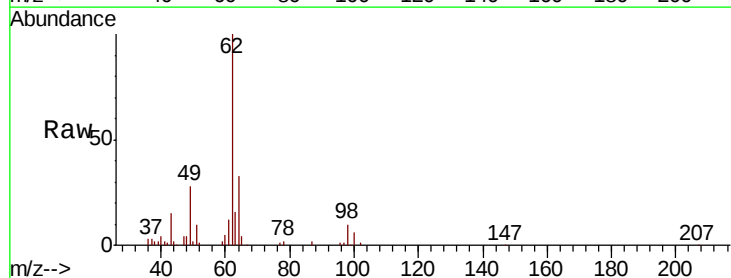
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

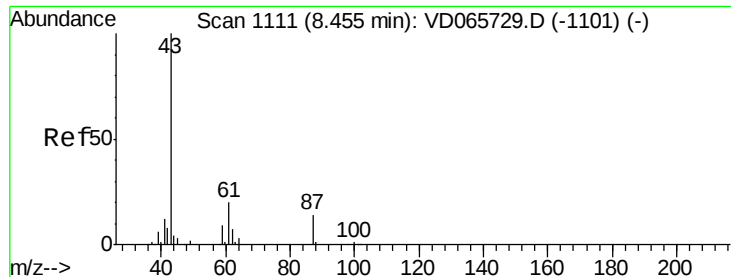
Tot Ion:	41	Resp:	51793
Ion	Ratio	Lower	Upper
41	100		
39	54.3	56.8	85.2#
67	59.5	57.9	86.9
52	26.3	25.9	38.9



#42
1,2-Dichloroethane
Concen: 45.736 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Tgt Ion:	62	Resp:	146702
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.6





#43

Isopropyl Acetate

Concen: 42.122 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

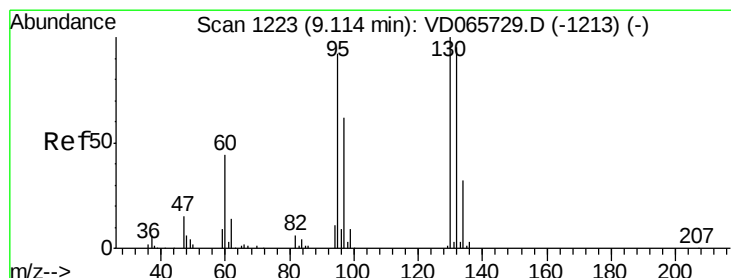
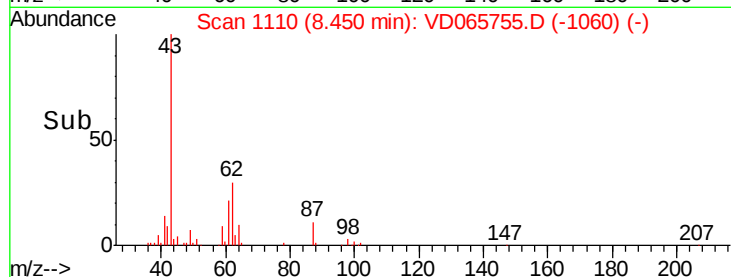
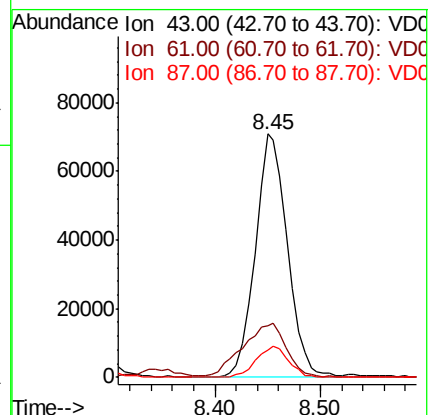
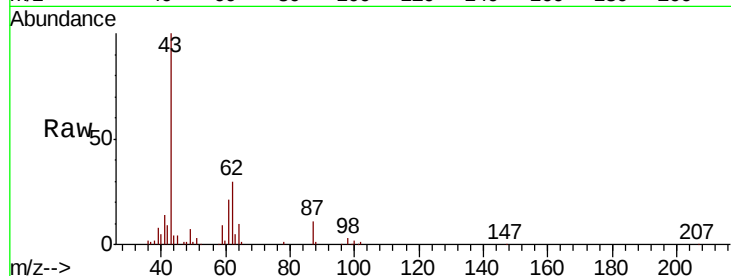
Tot Ion: 43 Resp: 149843

Ion Ratio Lower Upper

43 100

61 30.3 23.8 35.6

87 12.7 10.5 15.7



#44

Trichloroethene

Concen: 42.810 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065755.D

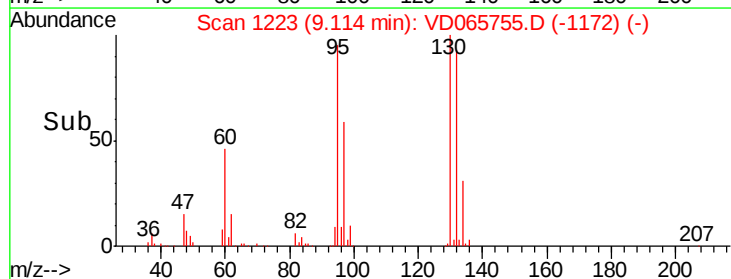
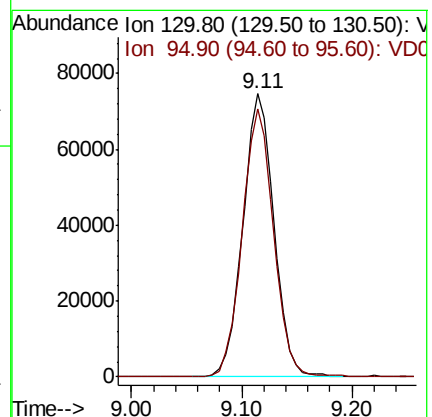
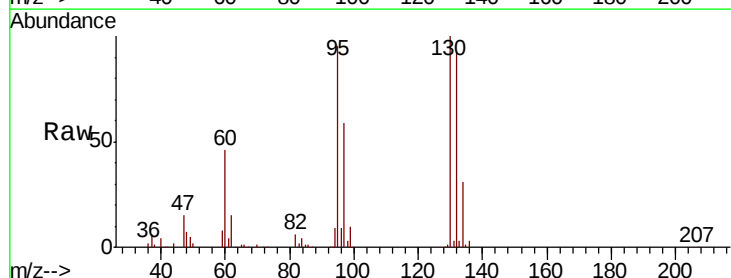
Acq: 26 May 2020 11:50

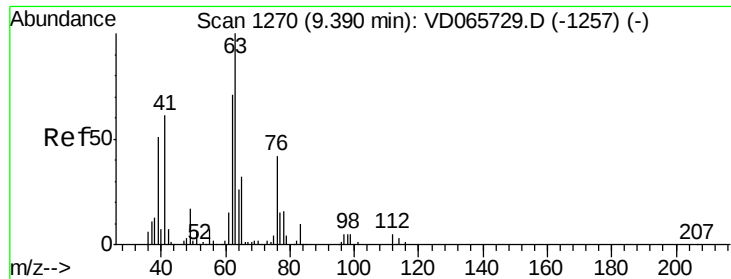
Tgt Ion:130 Resp: 147646

Ion Ratio Lower Upper

130 100

95 94.6 0.0 183.6

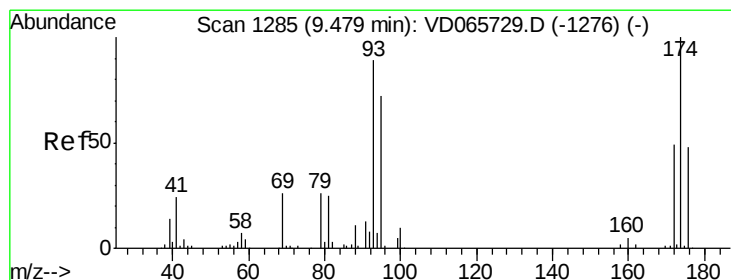
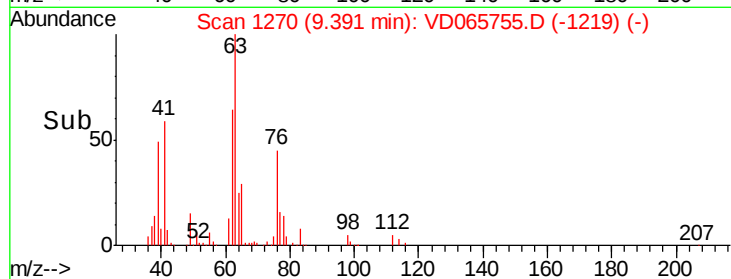
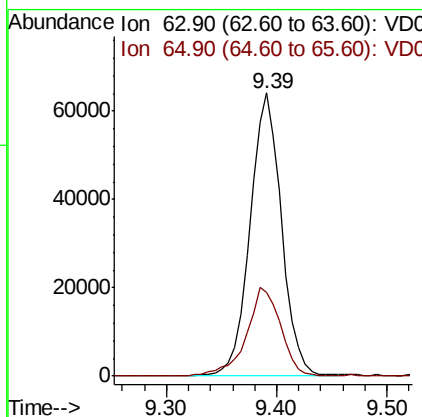
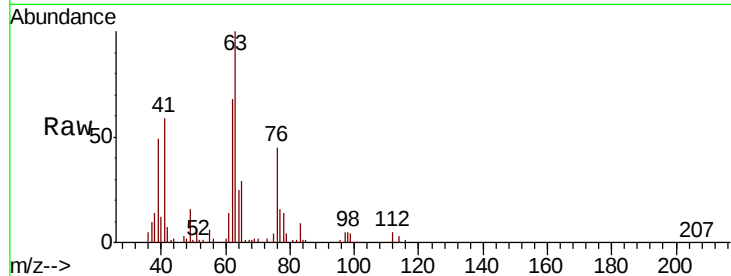




#45
 1,2-Dichloropropane
 Concen: 45.145 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065755.D
 Acq: 26 May 2020 11:50

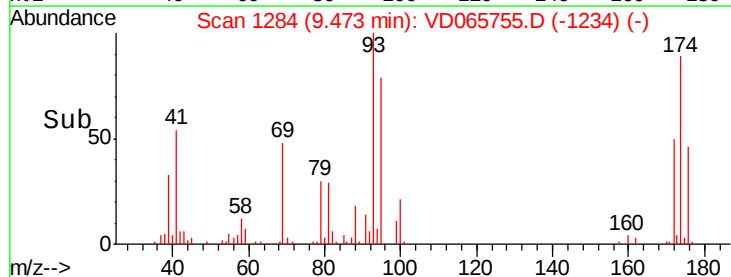
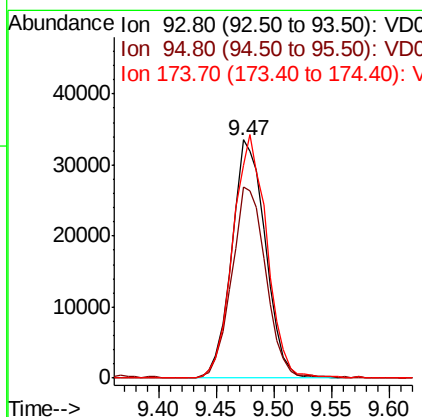
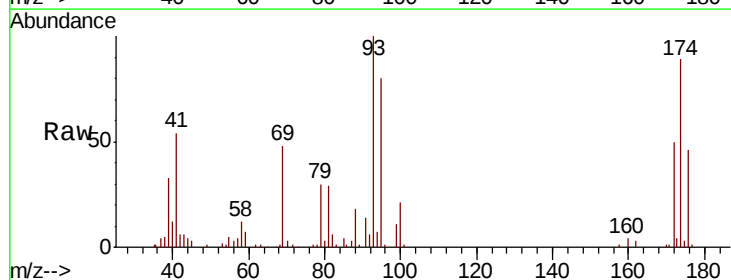
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

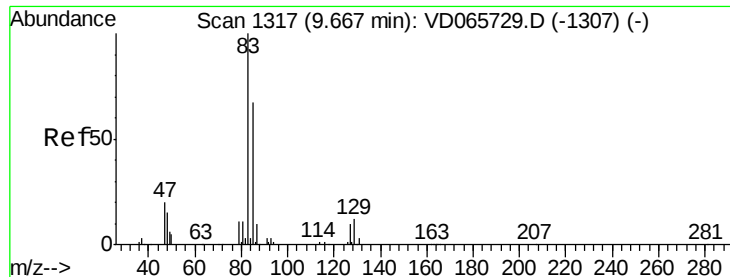
Tot Ion: 63 Resp: 128228
 Ion Ratio Lower Upper
 63 100
 65 29.4 25.3 37.9



#46
 Dibromomethane
 Concen: 44.259 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD065755.D
 Acq: 26 May 2020 11:50

Tgt Ion: 93 Resp: 67786
 Ion Ratio Lower Upper
 93 100
 95 81.6 65.4 98.2
 174 102.5 89.9 134.9





#47

Bromodichloromethane

Concen: 44.941 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

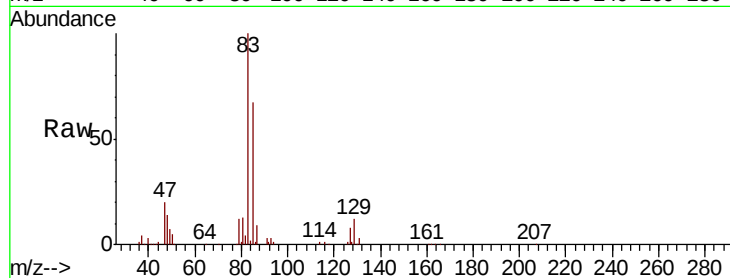
Tot Ion: 83 Resp: 180164

Ion Ratio Lower Upper

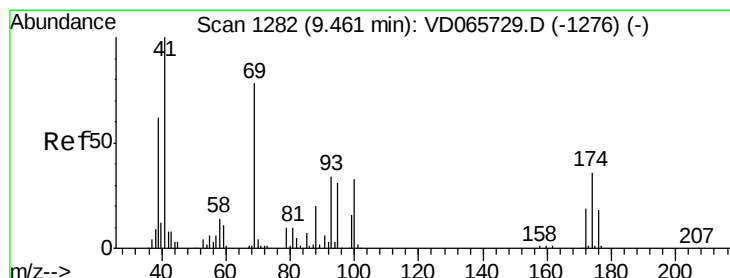
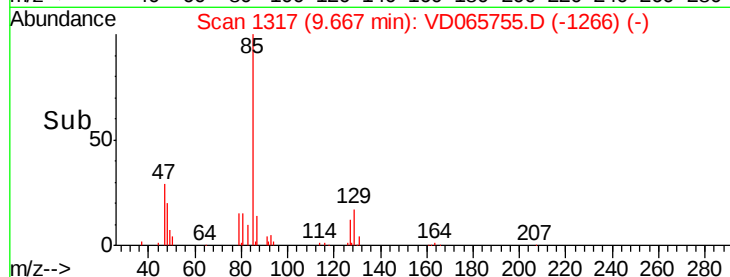
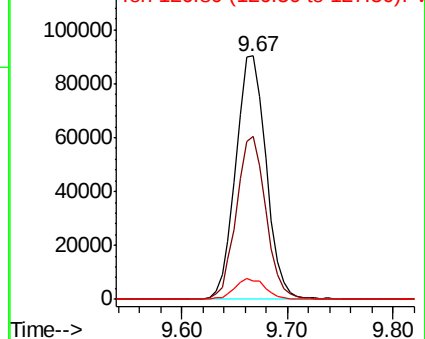
83 100

85 67.0 53.6 80.4

127 7.8 7.7 11.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 43.659 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

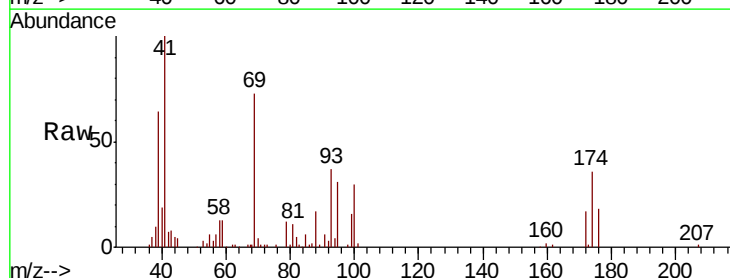
Tgt Ion: 41 Resp: 72903

Ion Ratio Lower Upper

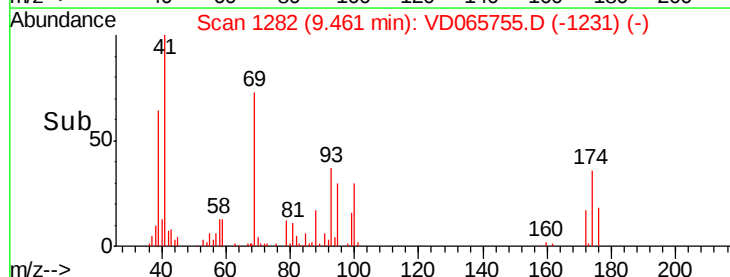
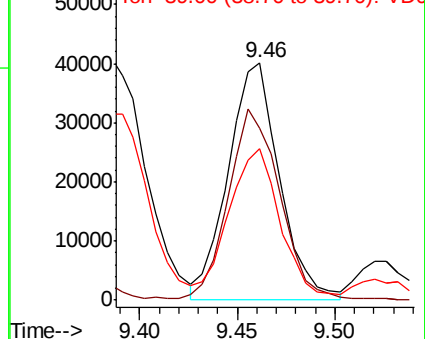
41 100

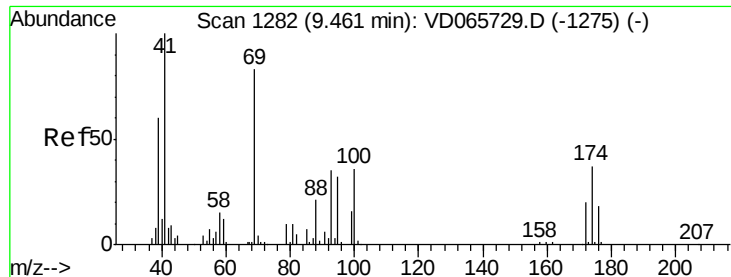
69 81.6 64.4 96.6

39 59.2 46.7 70.1



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

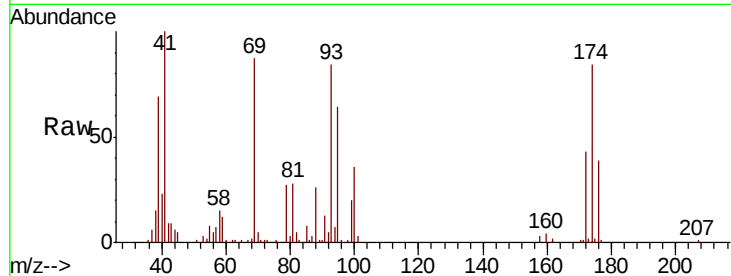




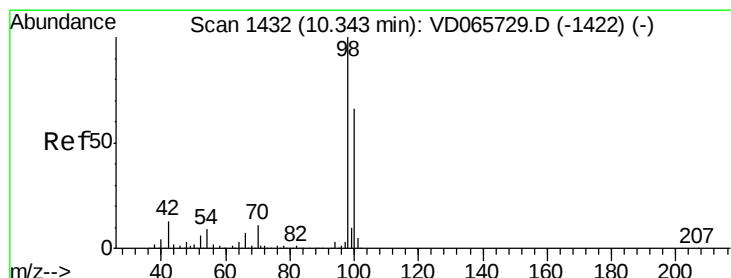
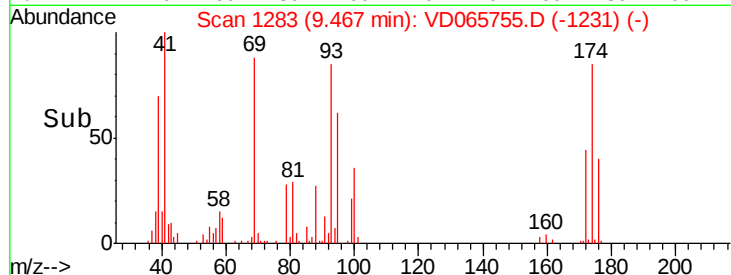
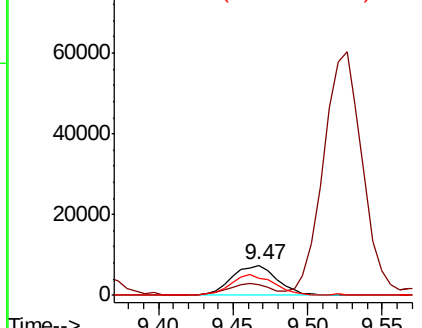
#49
1,4-Dioxane
Concen: 872.606 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 15769
Ion Ratio Lower Upper
88 100
43 38.8 29.4 44.0
58 65.9 55.1 82.7

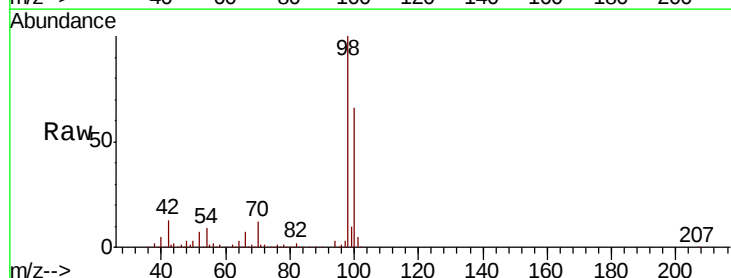


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

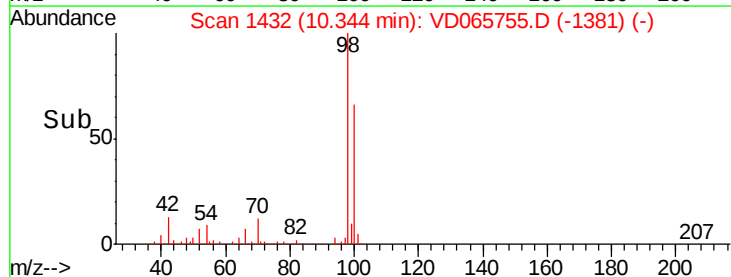
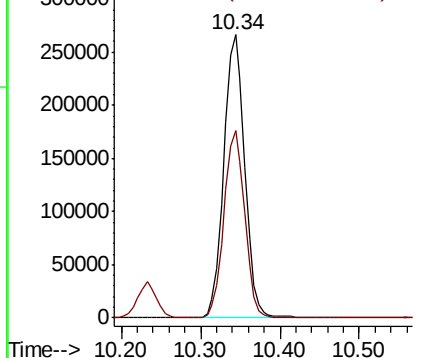


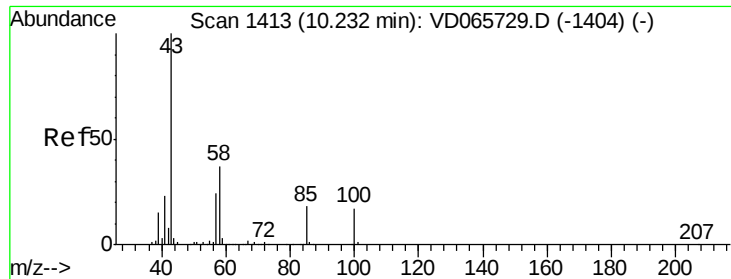
#50
Toluene-d8
Concen: 46.573 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Tgt Ion: 98 Resp: 484585
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7



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





#51

4-Methyl-2-Pentanone

Concen: 218.835 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

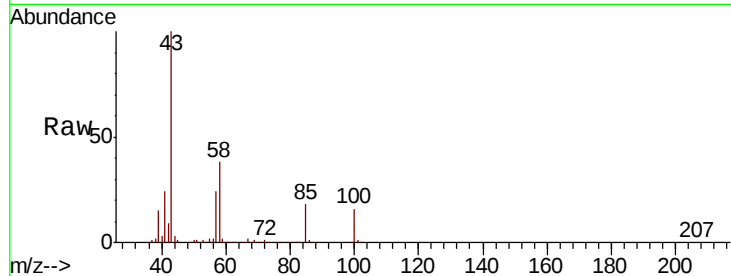
VSTDCCC050

Tot Ion: 43 Resp: 372538

Ion Ratio Lower Upper

43 100

58 37.6 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

250000

200000

150000

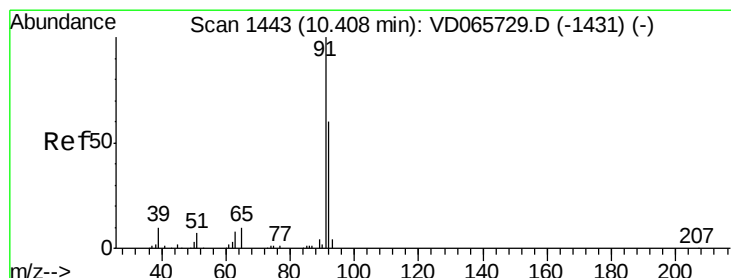
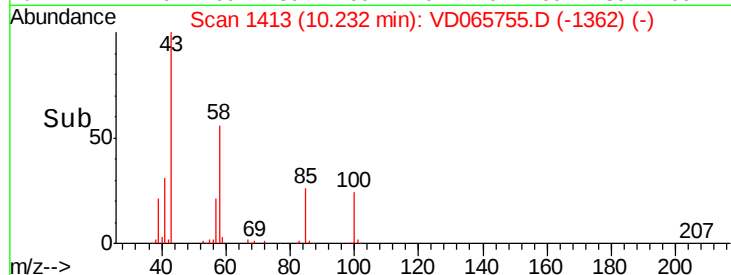
100000

50000

0

10.10 10.20 10.30

Time-->



#52

Toluene

Concen: 43.983 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065755.D

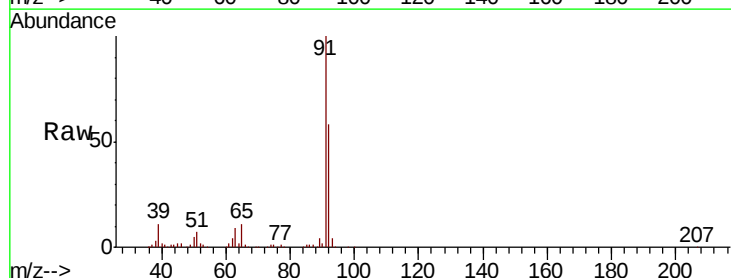
Acq: 26 May 2020 11:50

Tgt Ion: 92 Resp: 331946

Ion Ratio Lower Upper

92 100

91 170.8 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

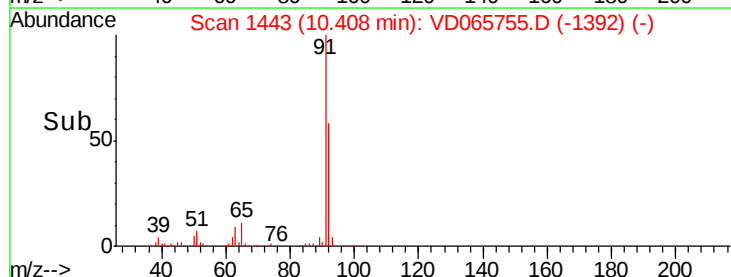
200000

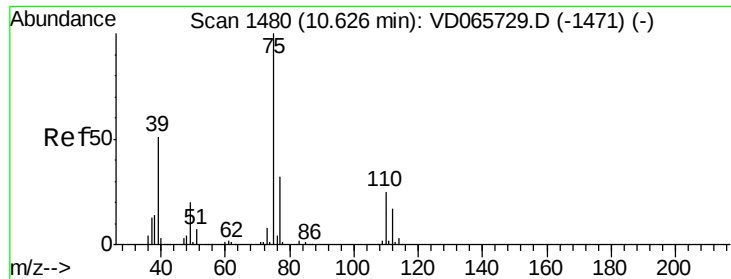
100000

0

10.30 10.40 10.50

Time-->

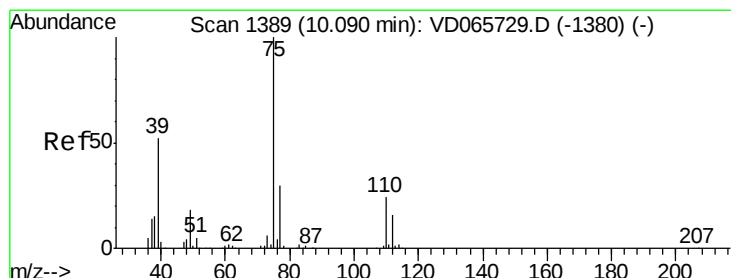
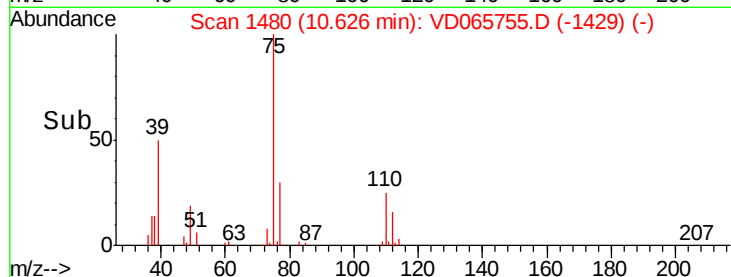
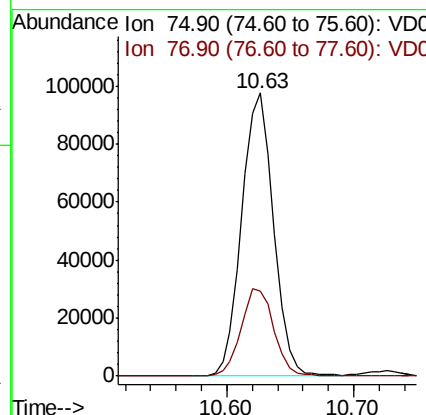
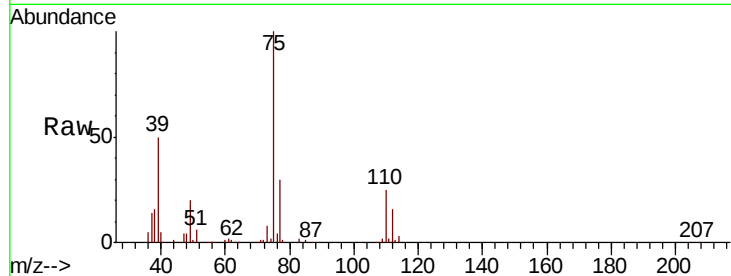




#53
t-1,3-Dichloropropene
Concen: 43.481 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

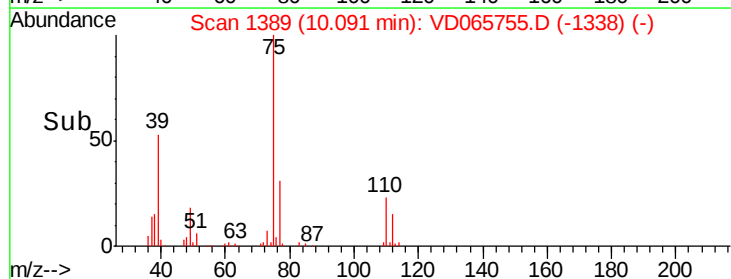
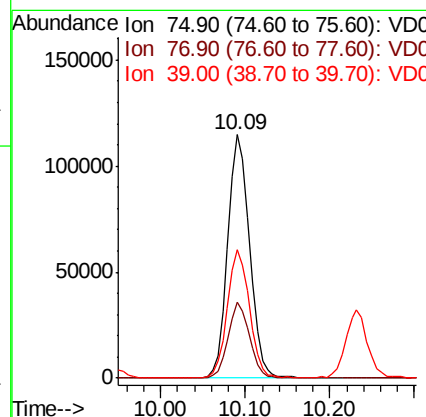
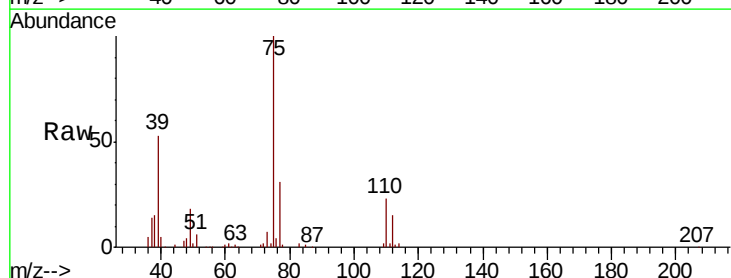
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

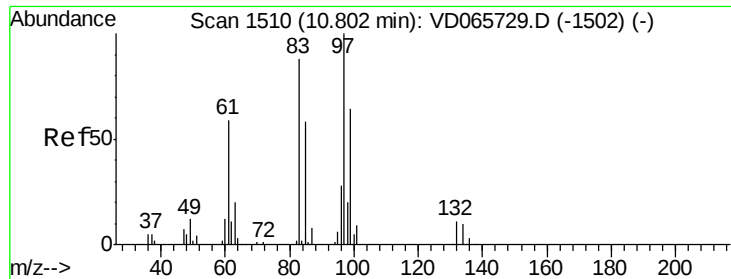
Tot Ion: 75 Resp: 170291
Ion Ratio Lower Upper
75 100
77 29.9 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 44.134 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Tgt Ion: 75 Resp: 205598
Ion Ratio Lower Upper
75 100
77 31.4 23.8 35.6
39 52.6 41.9 62.9





#55

1,1,2-Trichloroethane

Concen: 44.681 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 93224

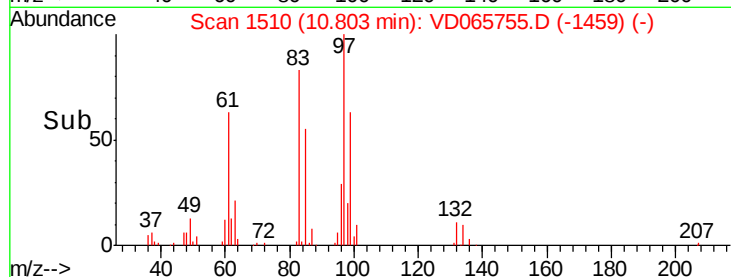
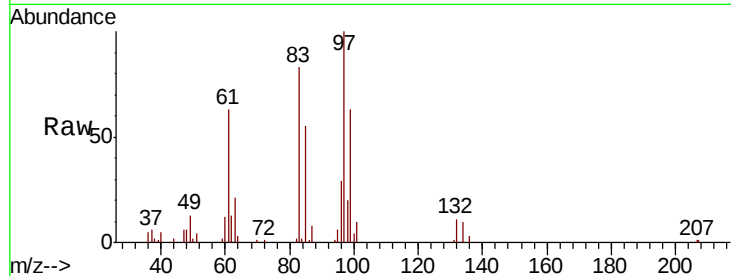
Ion	Ratio	Lower	Upper
97	100		
83	82.6	70.7	106.1
85	55.2	46.8	70.2
99	63.2	50.9	76.3

97 100

83 82.6 70.7 106.1

85 55.2 46.8 70.2

99 63.2 50.9 76.3



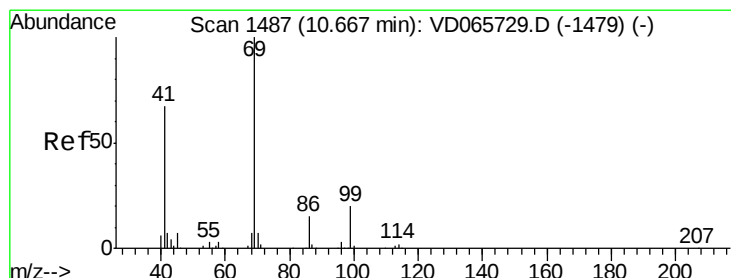
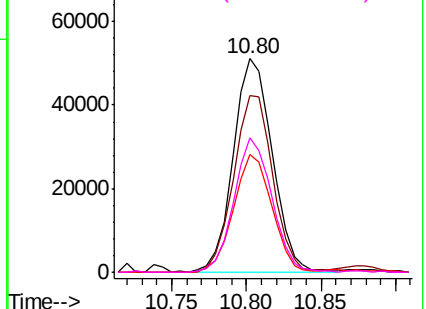
Abundance

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



#56

Ethyl methacrylate

Concen: 41.974 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

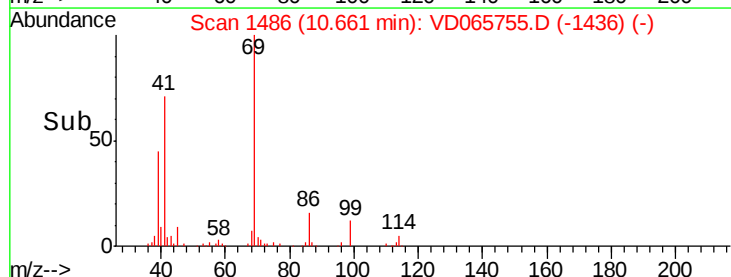
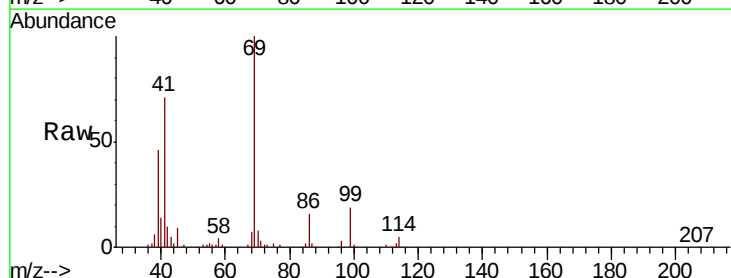
Tgt Ion: 69 Resp: 114144

Ion	Ratio	Lower	Upper
69	100		
41	70.9	55.7	83.5
39	45.6	28.6	43.0

69 100

41 70.9 55.7 83.5

39 45.6 28.6 43.0

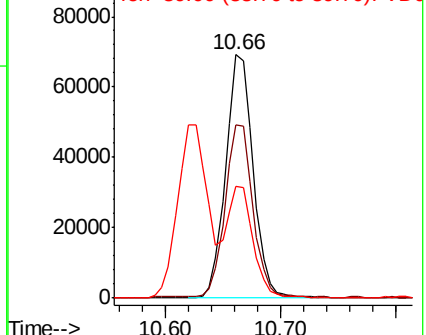


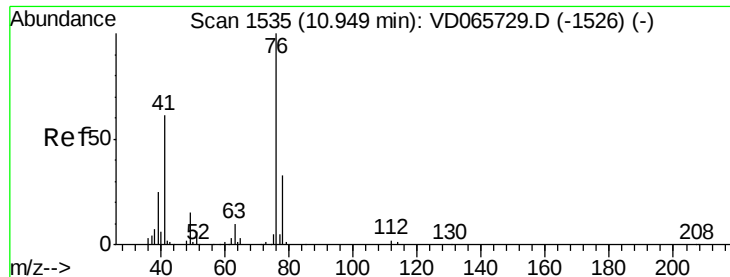
Abundance

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





#57

1,3-Dichloropropane

Concen: 43.981 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

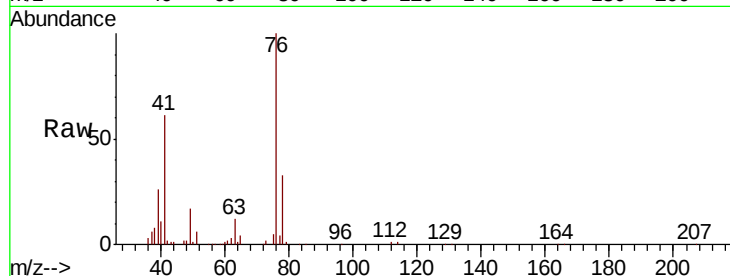
VSTDCCC050

Tot Ion: 76 Resp: 159607

Ion Ratio Lower Upper

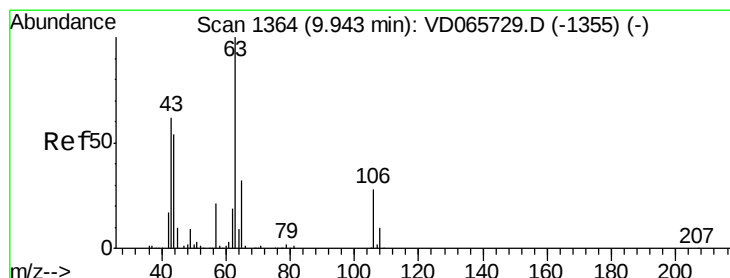
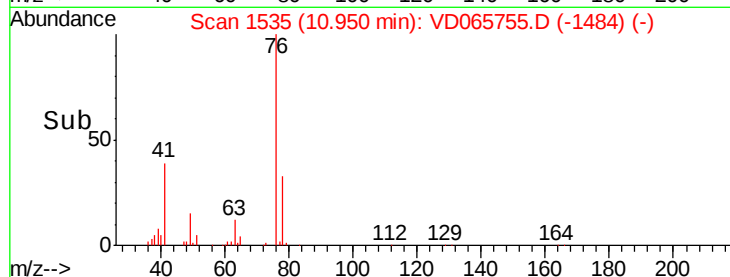
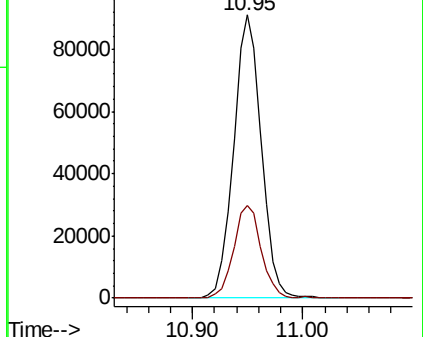
76 100

78 32.6 26.2 39.4



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: 254.652 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065755.D

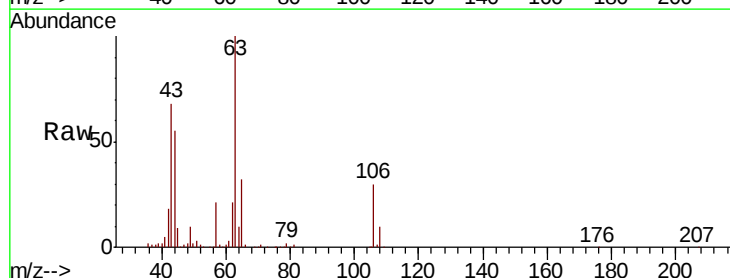
Acq: 26 May 2020 11:50

Tgt Ion: 63 Resp: 322173

Ion Ratio Lower Upper

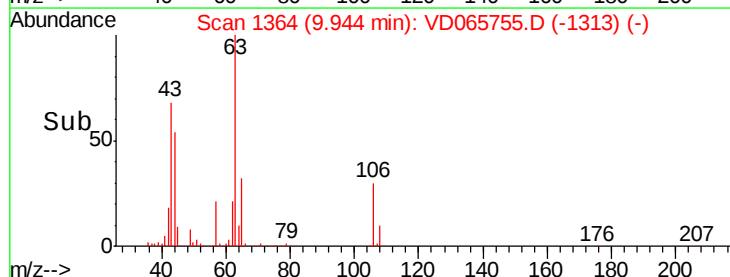
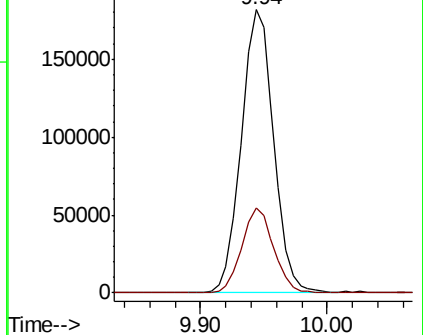
63 100

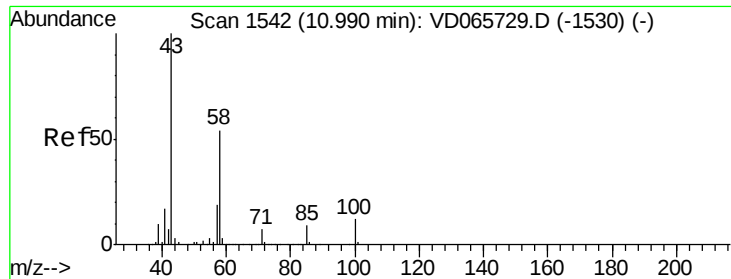
106 29.7 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

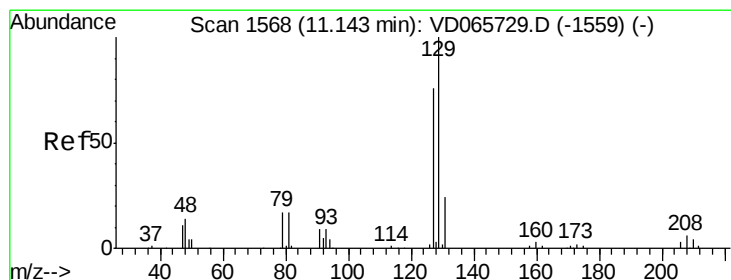
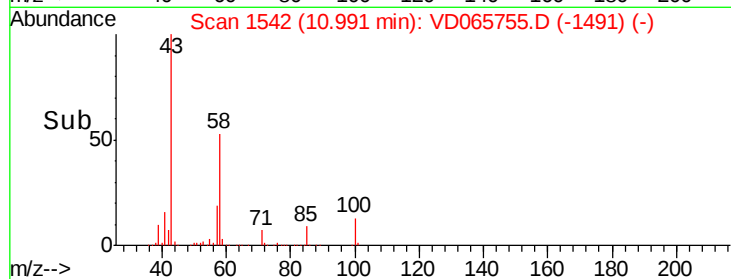
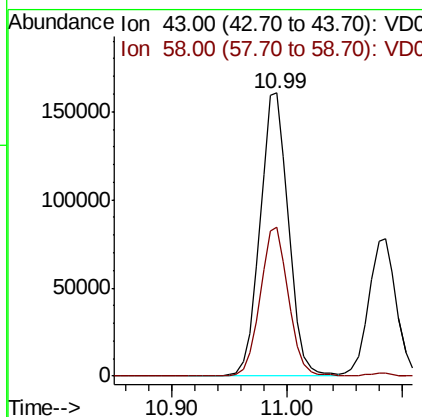
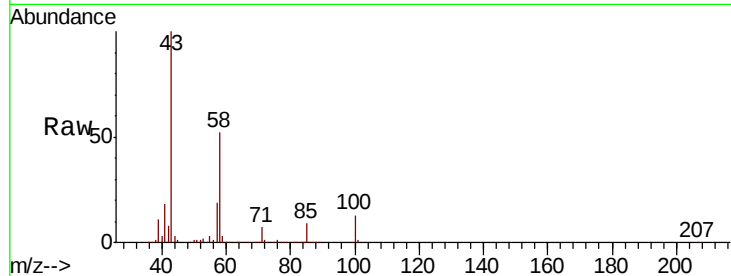




#59
2-Hexanone
Concen: 238.325 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

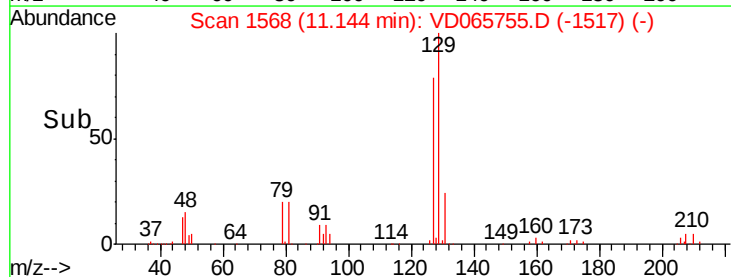
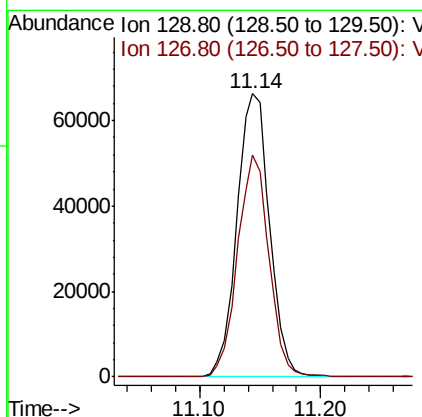
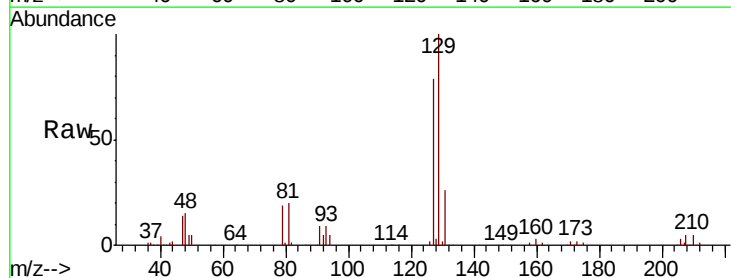
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

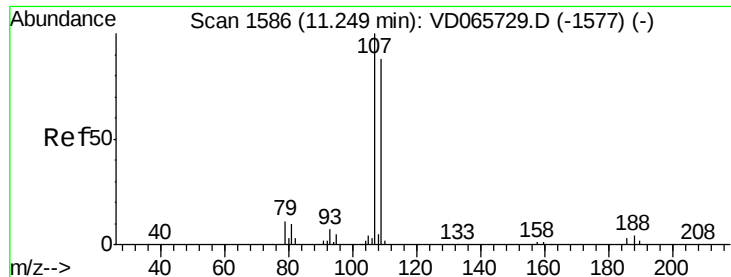
Tot Ion: 43 Resp: 276282
Ion Ratio Lower Upper
43 100
58 52.2 26.7 80.1



#60
Dibromochloromethane
Concen: 44.794 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Tgt Ion: 129 Resp: 125155
Ion Ratio Lower Upper
129 100
127 75.4 38.3 114.9

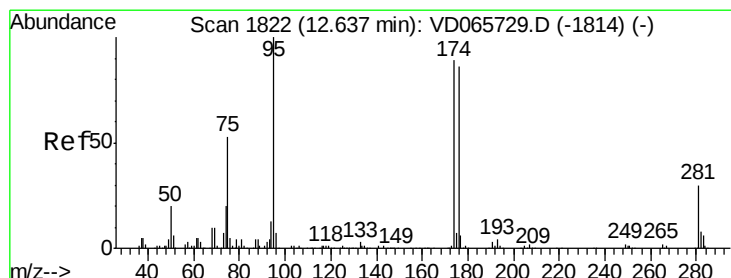
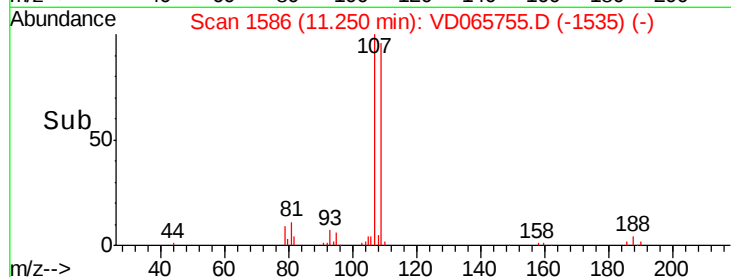
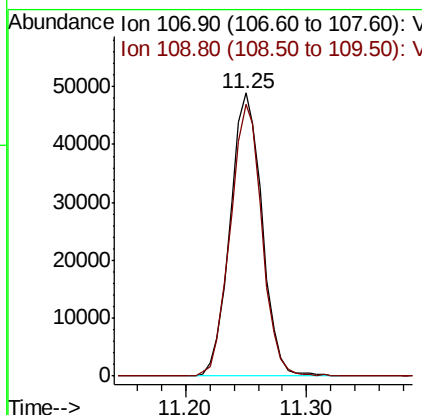
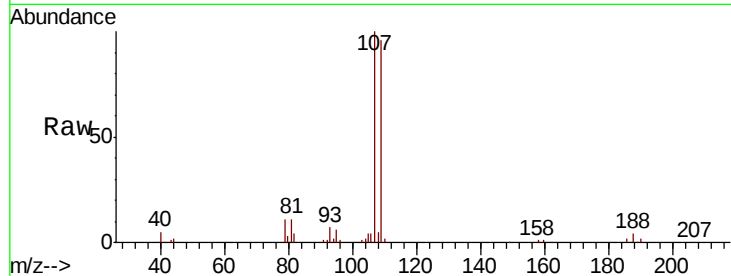




#61
 1,2-Dibromoethane
 Concen: 43.093 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065755.D
 Acq: 26 May 2020 11:50

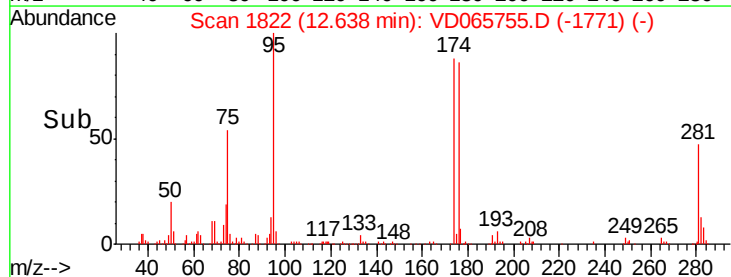
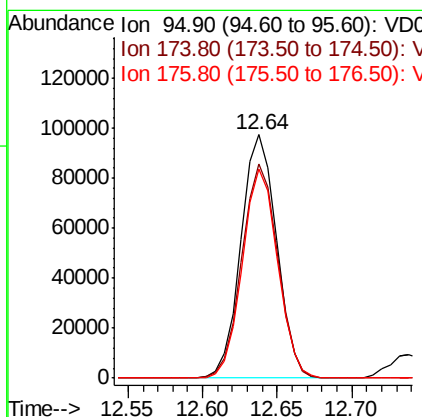
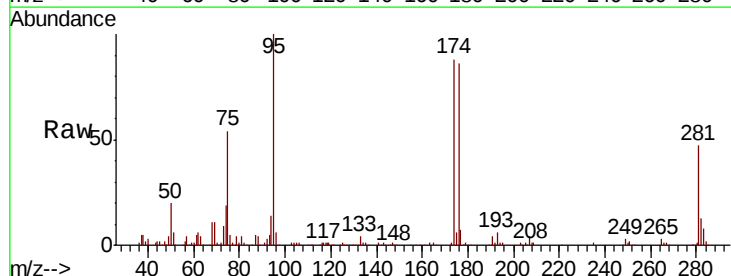
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

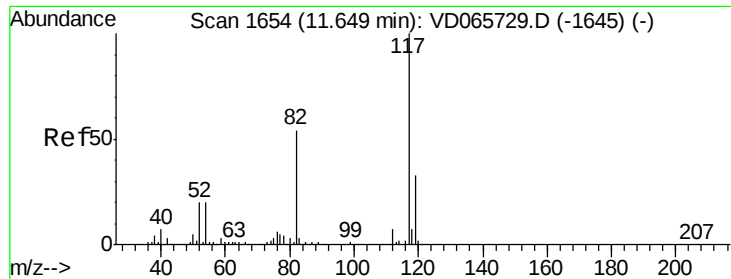
Tot Ion:107 Resp: 89800
 Ion Ratio Lower Upper
 107 100
 109 95.0 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 45.752 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065755.D
 Acq: 26 May 2020 11:50

Tgt Ion: 95 Resp: 161218
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 179.4
 176 85.1 0.0 174.0

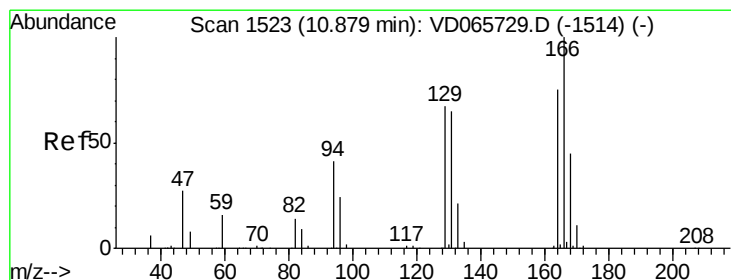
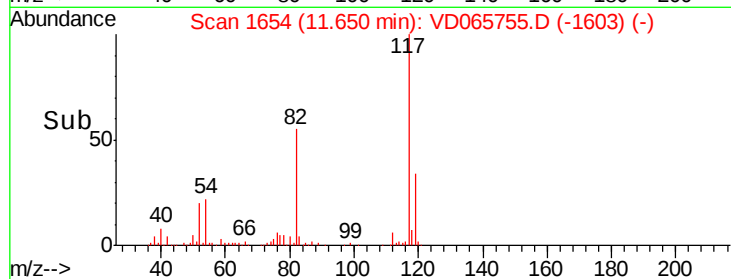
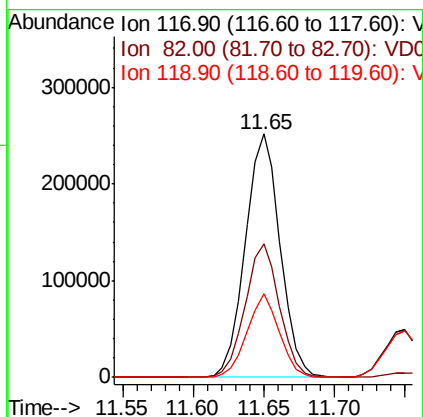
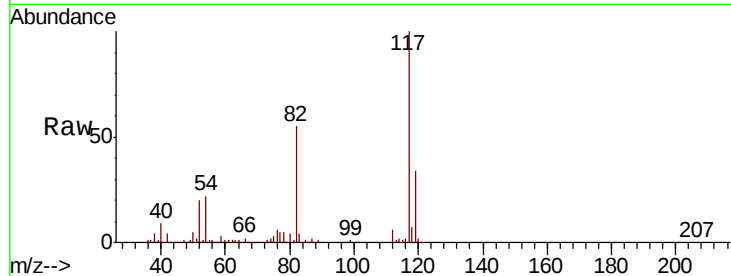




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

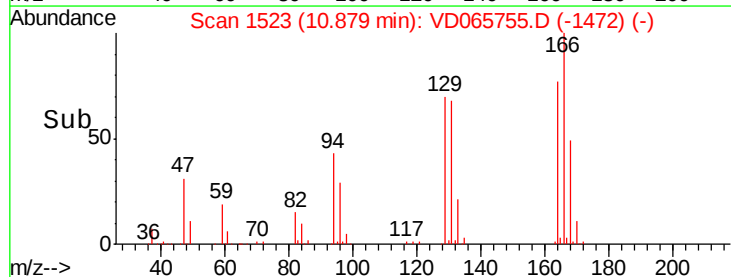
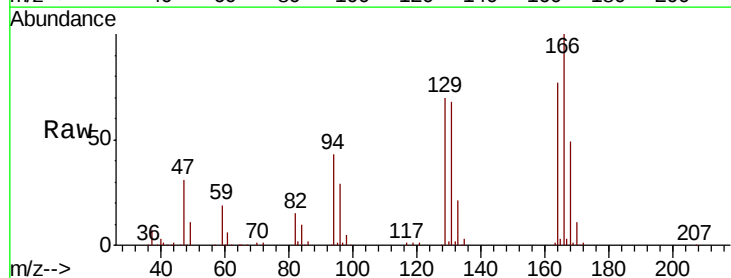
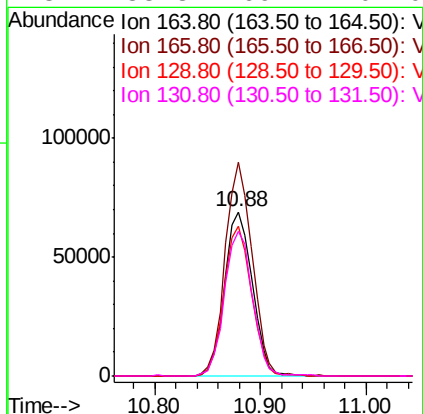
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

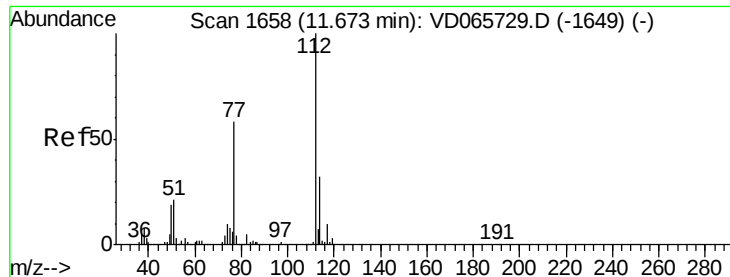
Tot Ion:117 Resp: 435010
Ion Ratio Lower Upper
117 100
82 54.7 43.0 64.6
119 34.1 26.6 40.0



#64
Tetrachloroethene
Concen: 41.703 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Tgt Ion:164 Resp: 125444
Ion Ratio Lower Upper
164 100
166 129.9 106.6 159.8
129 91.4 71.4 107.2
131 88.3 69.4 104.0

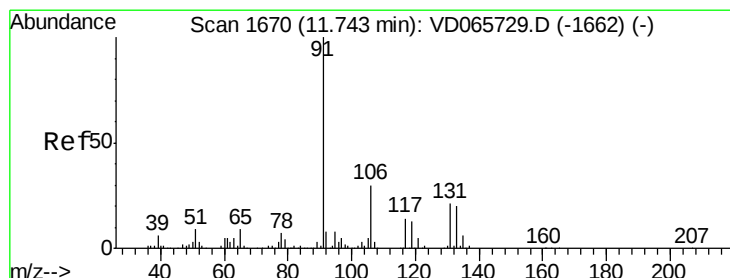
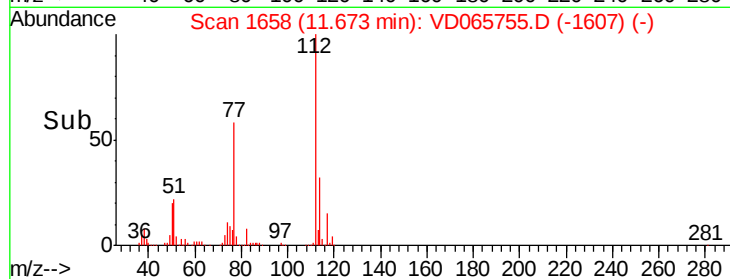
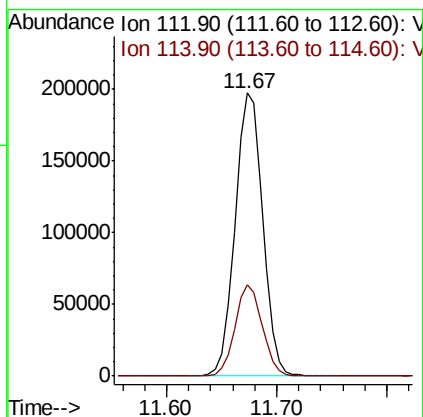
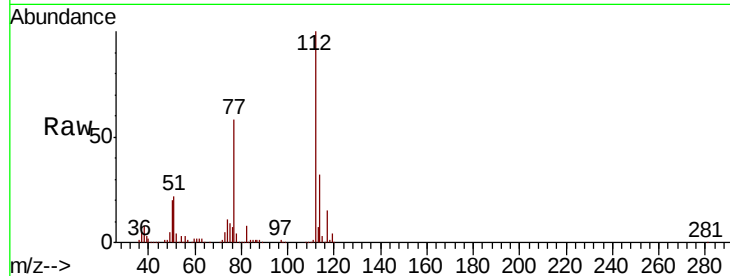




#65
Chlorobenzene
Concen: 42.473 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

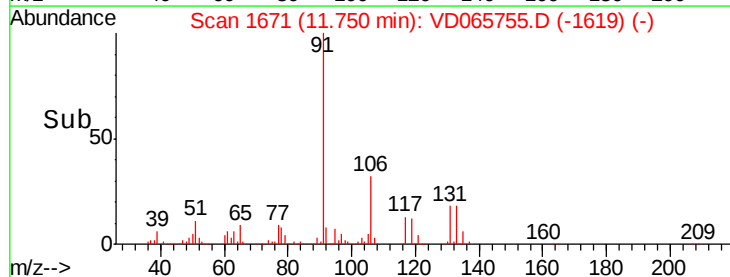
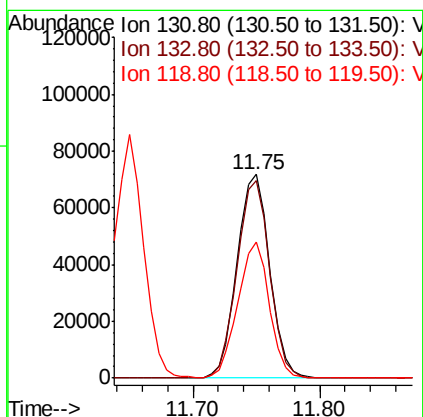
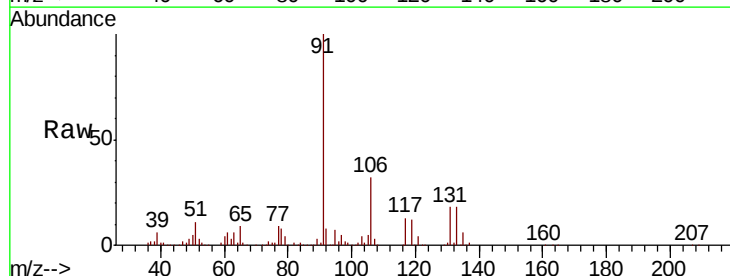
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

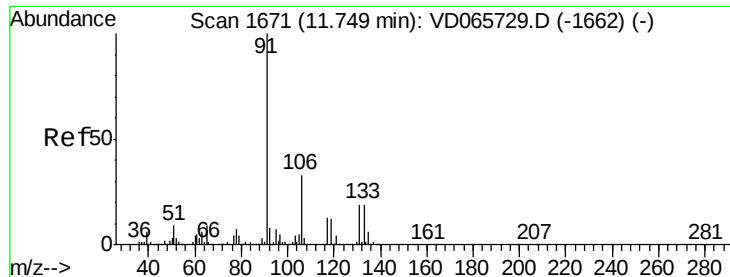
Tot Ion:112 Resp: 348167
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 41.882 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Tgt Ion:131 Resp: 128537
Ion Ratio Lower Upper
131 100
133 96.5 47.6 142.8
119 64.5 31.6 95.0





#67

Ethyl Benzene

Concen: 43.517 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

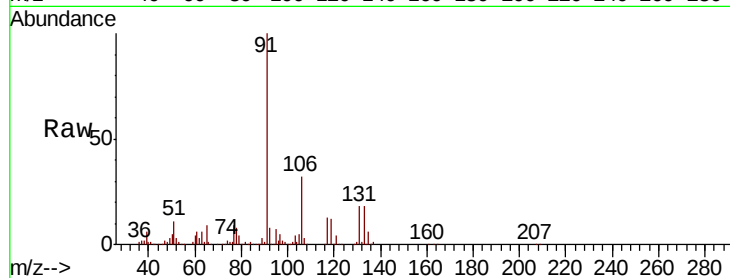
VSTDCCC050

Tot Ion: 91 Resp: 636055

Ion Ratio Lower Upper

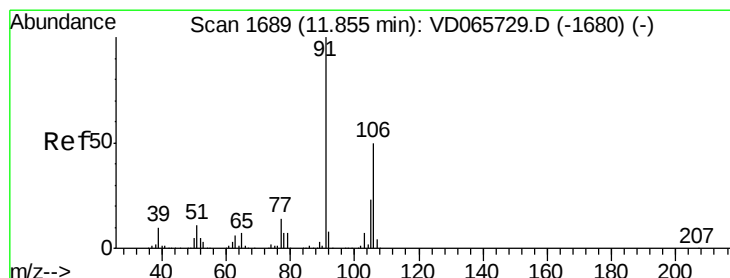
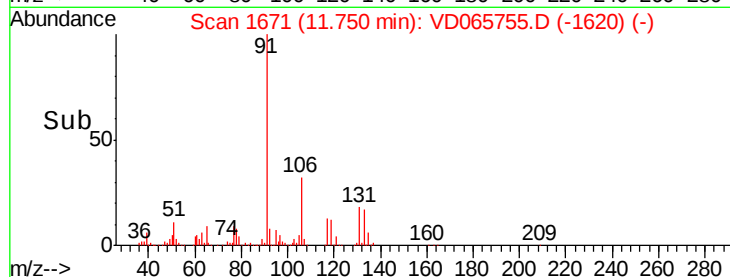
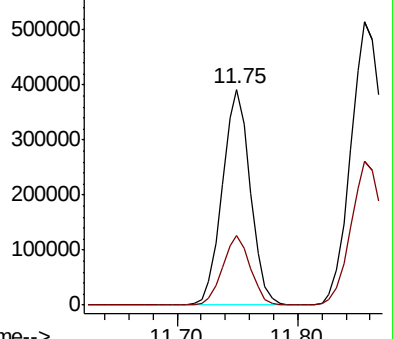
91 100

106 32.2 26.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 87.645 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065755.D

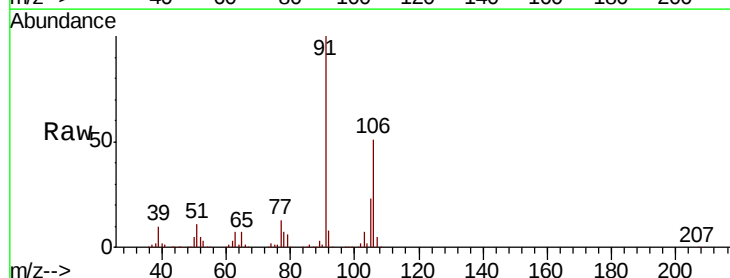
Acq: 26 May 2020 11:50

Tgt Ion: 106 Resp: 489281

Ion Ratio Lower Upper

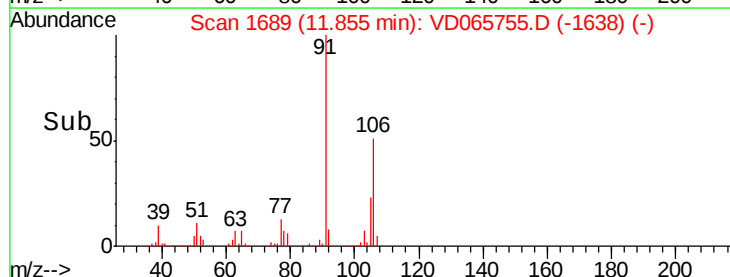
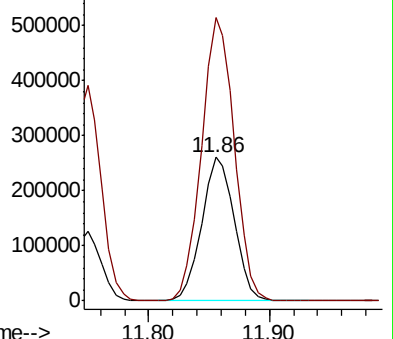
106 100

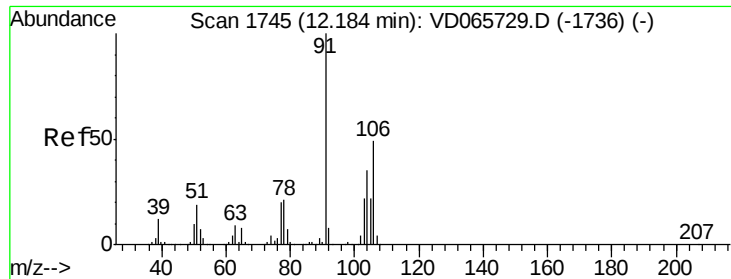
91 197.9 158.7 238.1



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

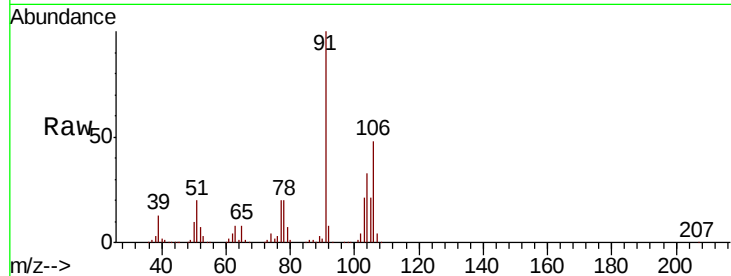




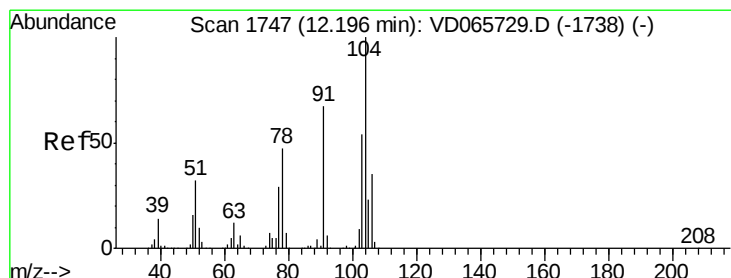
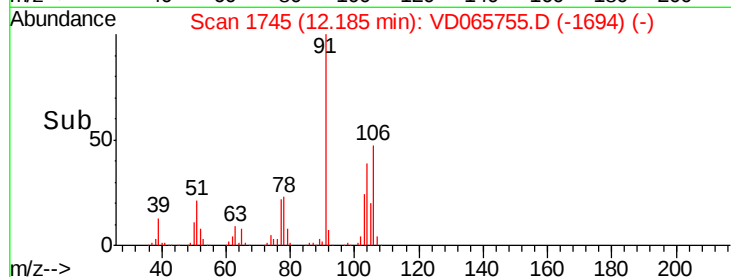
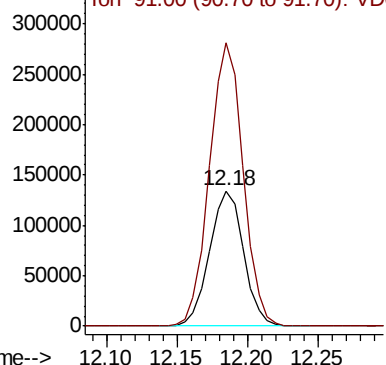
#69
o-Xylene
Concen: 43.534 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 226240
Ion Ratio Lower Upper
106 100
91 207.1 101.8 305.4

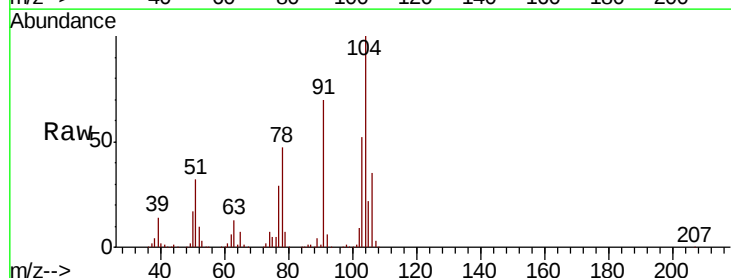


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

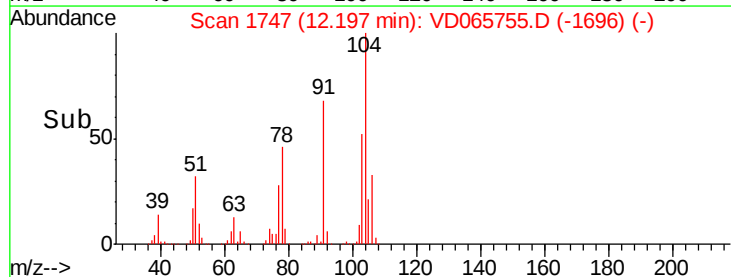
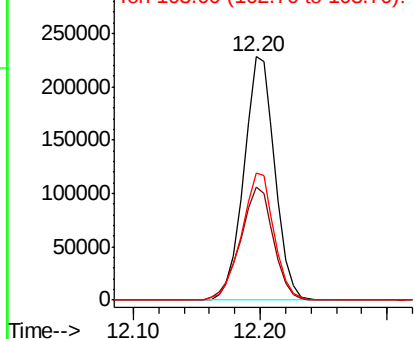


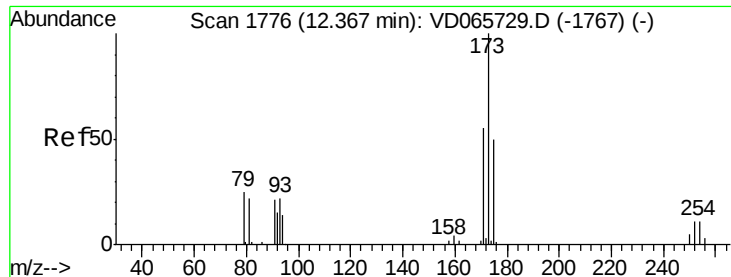
#70
Styrene
Concen: 43.456 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Tgt Ion:104 Resp: 385403
Ion Ratio Lower Upper
104 100
78 49.7 39.0 58.6
103 54.7 44.0 66.0



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





#71

Bromoform

Concen: 42.330 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

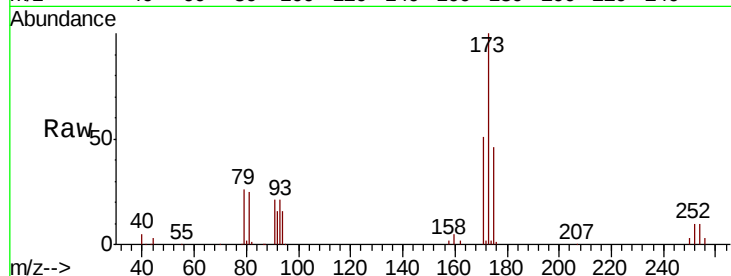
Tot Ion:173 Resp: 71701

Ion Ratio Lower Upper

173 100

175 49.1 24.6 73.6

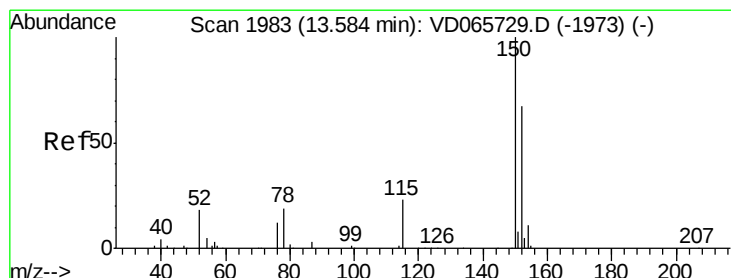
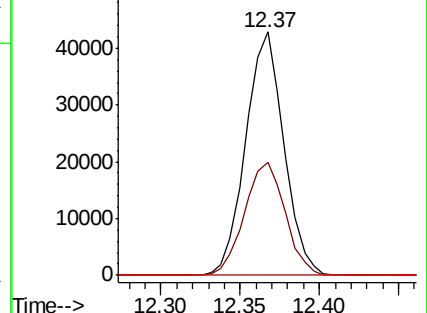
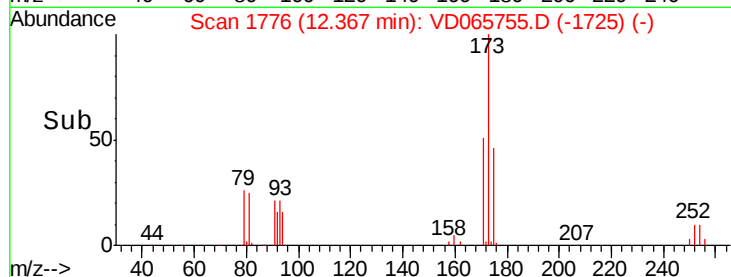
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

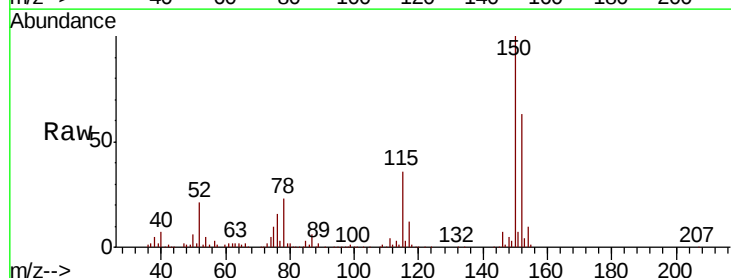
Tgt Ion:152 Resp: 213687

Ion Ratio Lower Upper

152 100

115 55.6 28.1 84.3

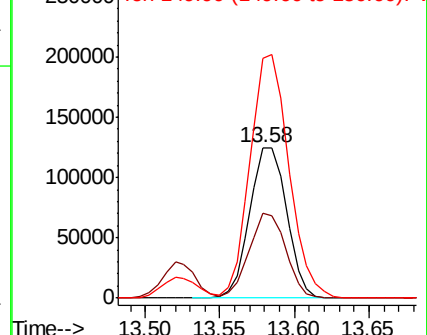
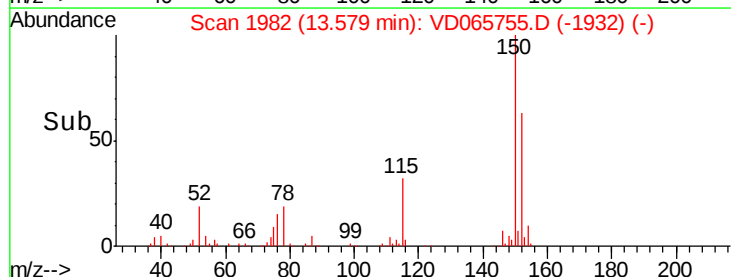
150 170.1 0.0 343.2

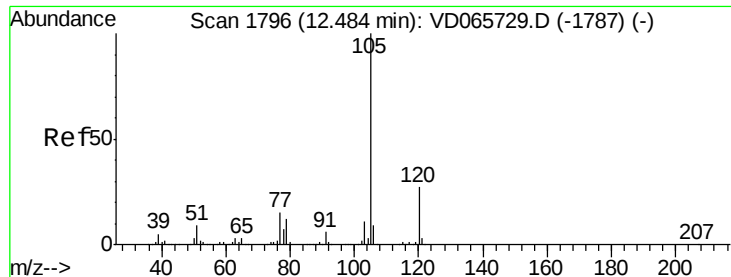


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.721 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

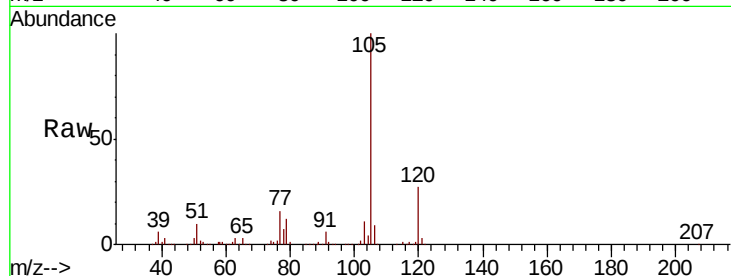
VSTDCCC050

Tot Ion:105 Resp: 627210

Ion Ratio Lower Upper

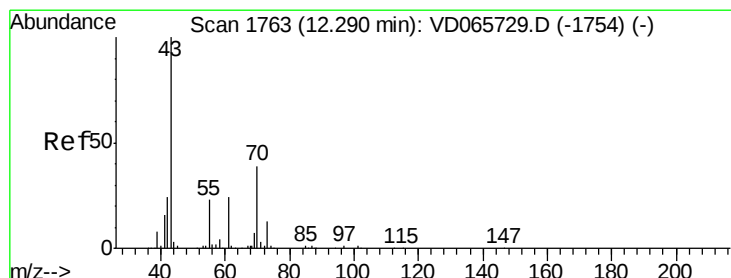
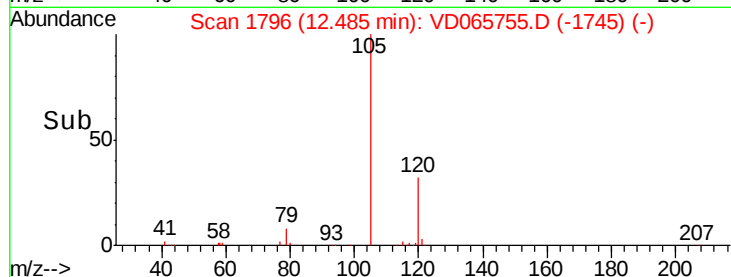
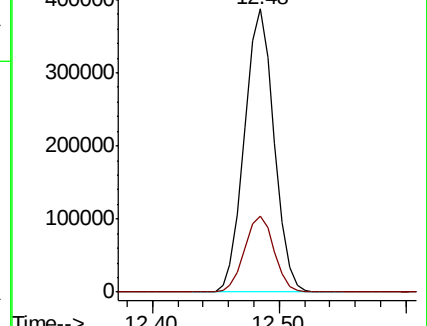
105 100

120 27.0 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 41.418 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Tgt Ion: 43 Resp: 137954

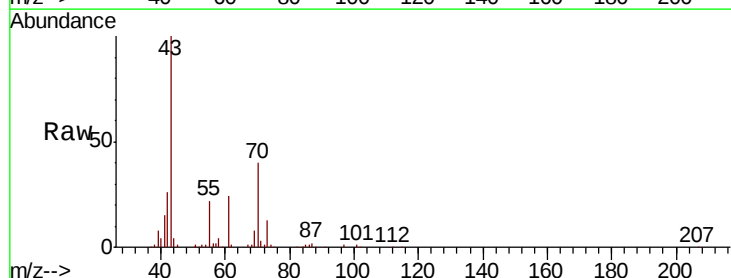
Ion Ratio Lower Upper

43 100

70 40.6 31.8 47.6

55 22.6 17.9 26.9

61 23.6 19.0 28.6

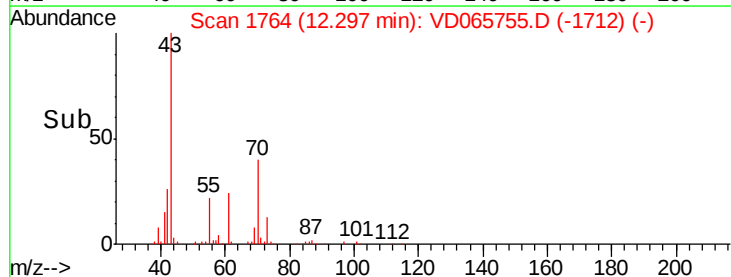
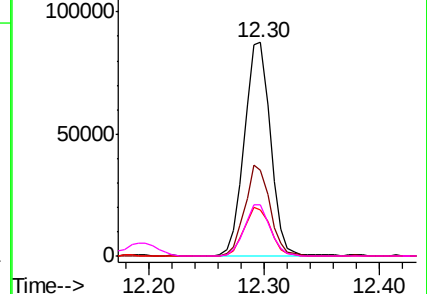


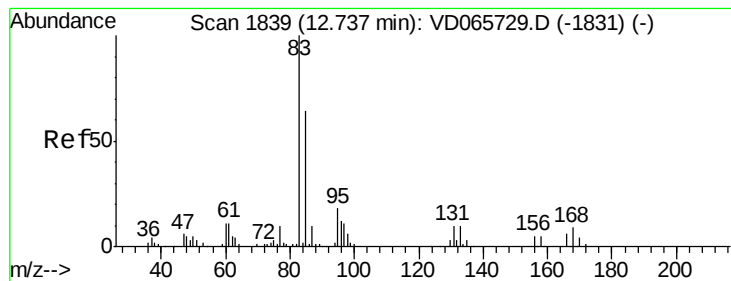
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 43.362 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

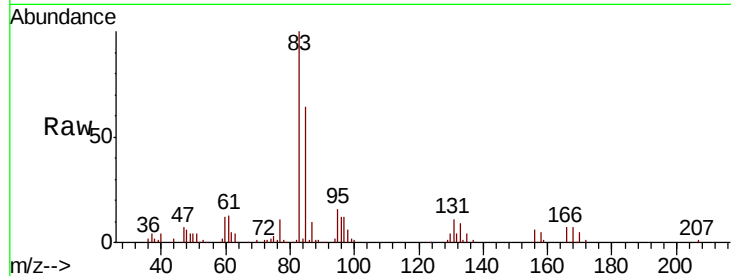
Tot Ion: 83 Resp: 98455

Ion Ratio Lower Upper

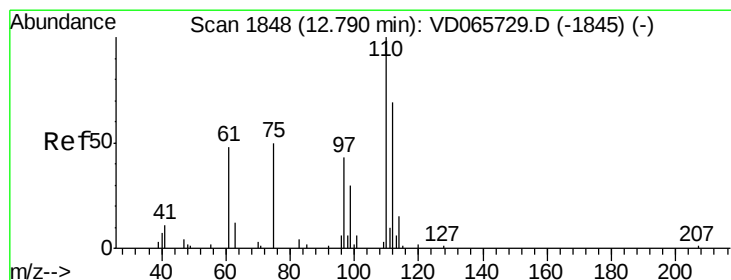
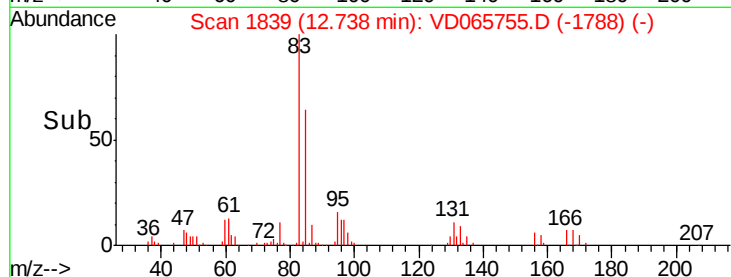
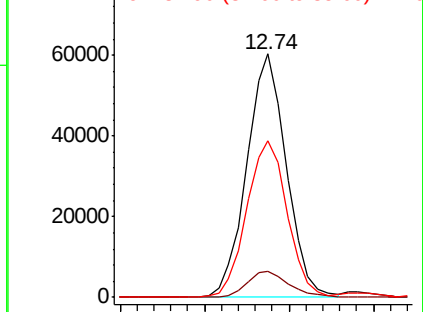
83 100

131 11.4 5.9 17.6

85 65.6 32.5 97.4



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: 47.369 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065755.D

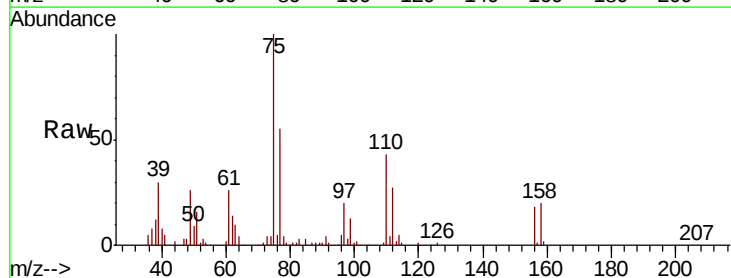
Acq: 26 May 2020 11:50

Tgt Ion: 75 Resp: 75542

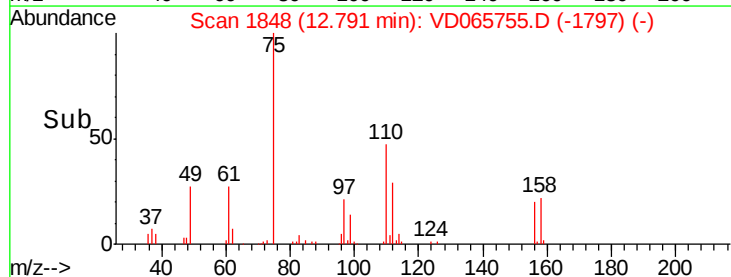
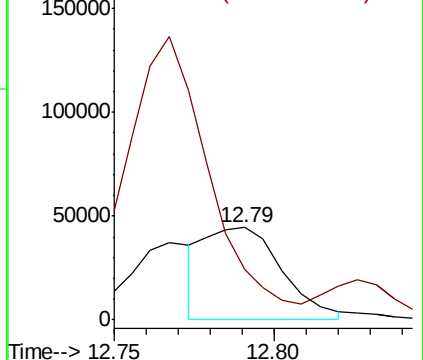
Ion Ratio Lower Upper

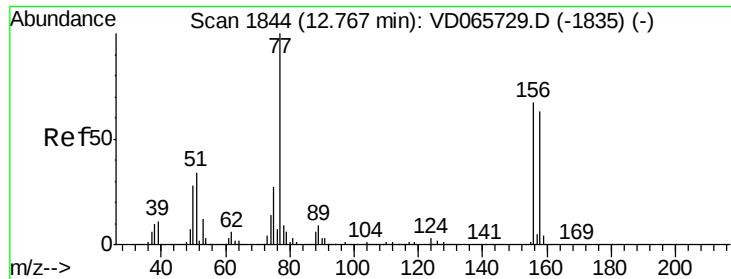
75 100

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: 41.761 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

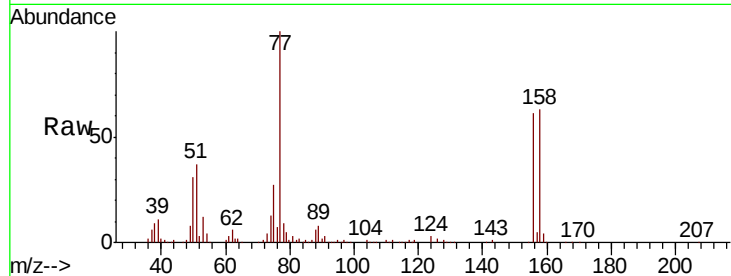
Tot Ion:156 Resp: 144401

Ion Ratio Lower Upper

156 100

77 173.4 84.9 254.6

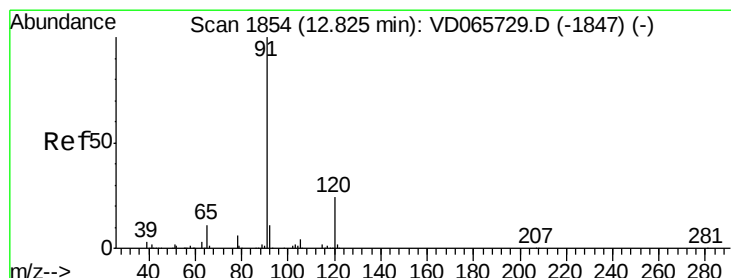
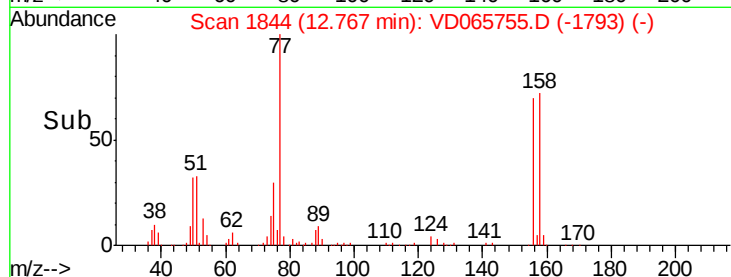
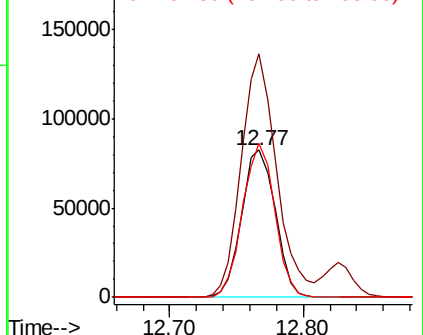
158 99.3 48.8 146.4



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: 44.237 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065755.D

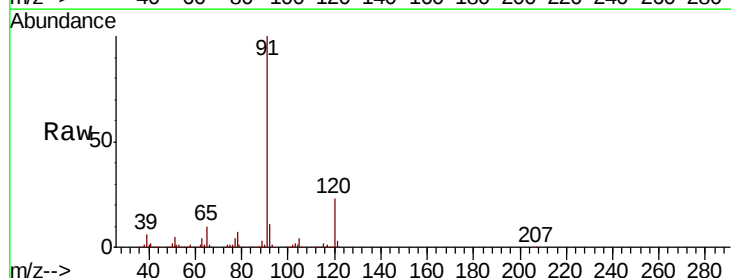
Acq: 26 May 2020 11:50

Tgt Ion: 91 Resp: 741311

Ion Ratio Lower Upper

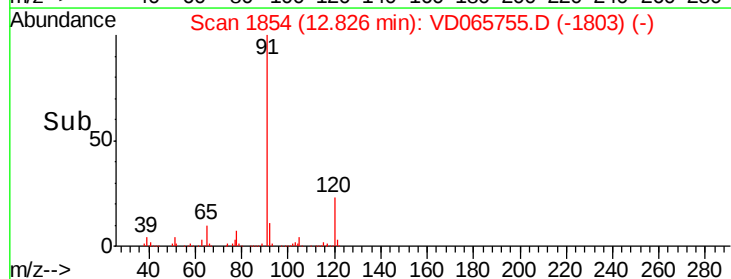
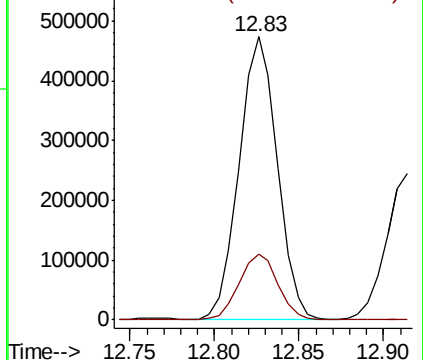
91 100

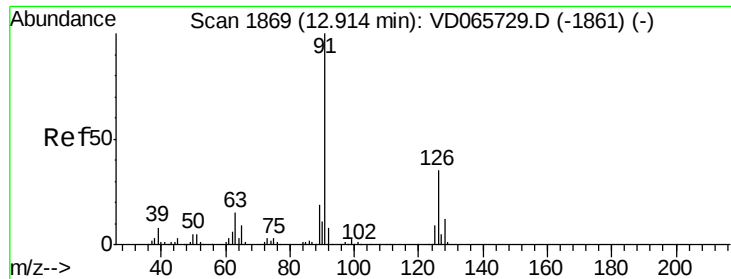
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

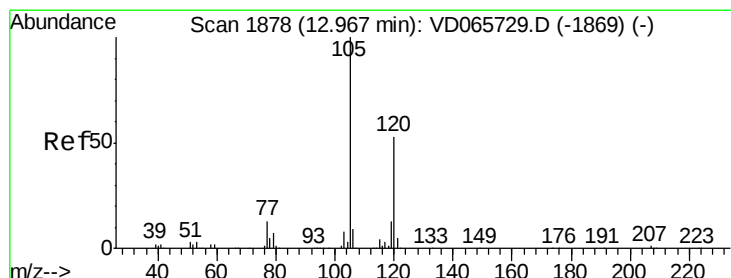
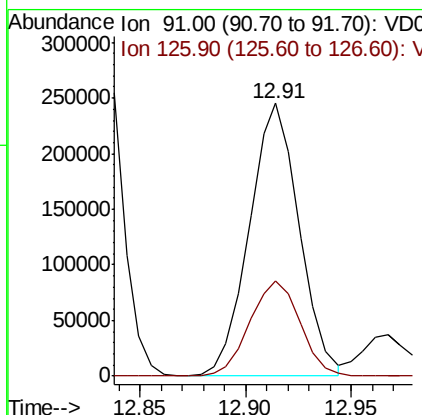
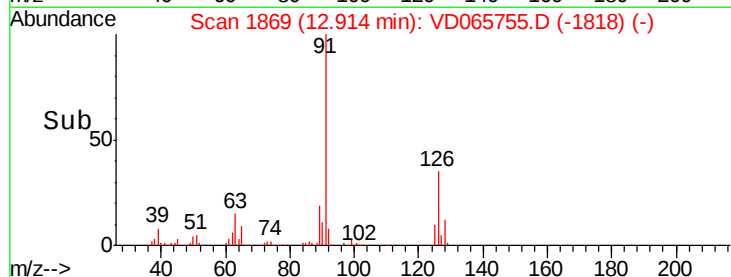
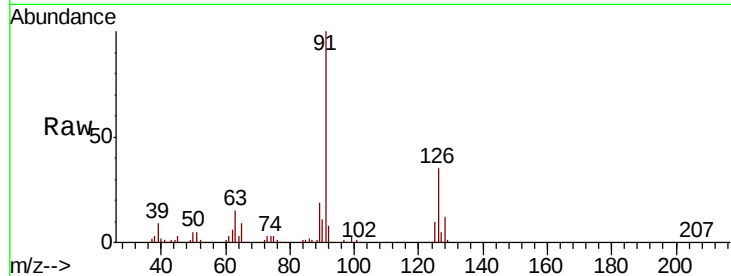




#79
 2-Chlorotoluene
 Concen: 43.243 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065755.D
 Acq: 26 May 2020 11:50

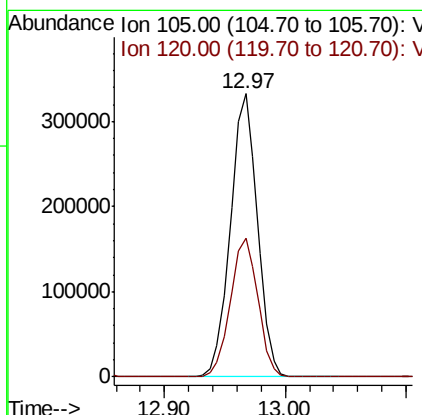
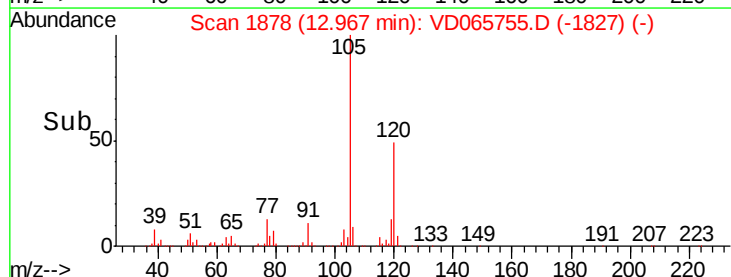
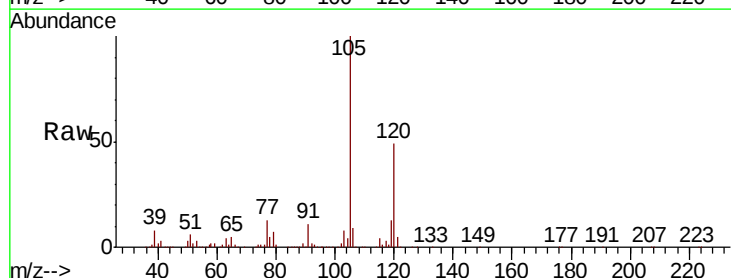
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

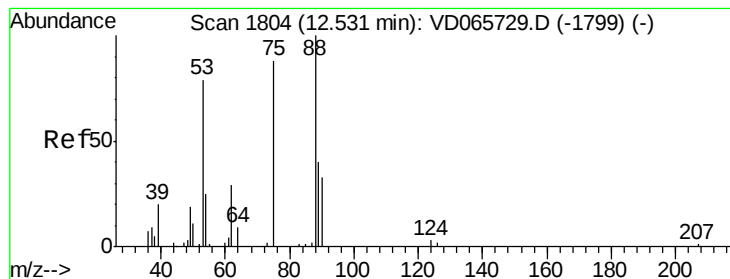
Tot Ion: 91 Resp: 400955
 Ion Ratio Lower Upper
 91 100
 126 35.6 18.1 54.1



#80
 1,3,5-Trimethylbenzene
 Concen: 43.789 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065755.D
 Acq: 26 May 2020 11:50

Tgt Ion: 105 Resp: 517599
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 42.425 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

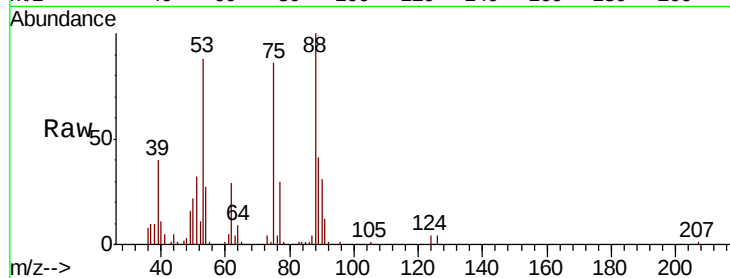
Tot Ion: 75 Resp: 34487

Ion Ratio Lower Upper

75 100

53 95.7 72.6 109.0

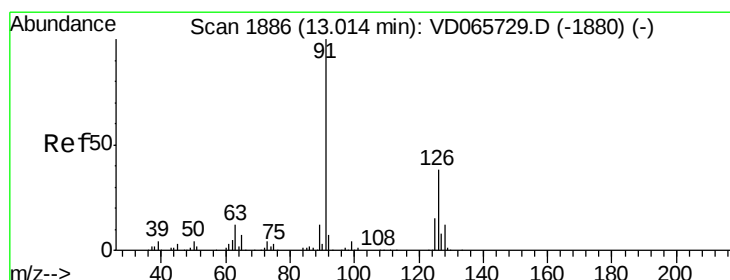
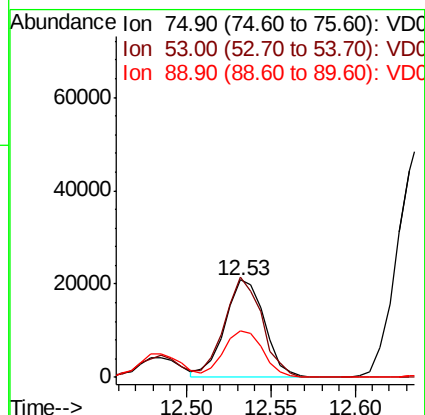
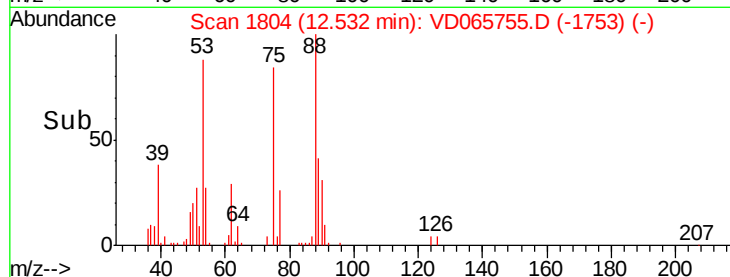
89 46.6 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 43.791 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065755.D

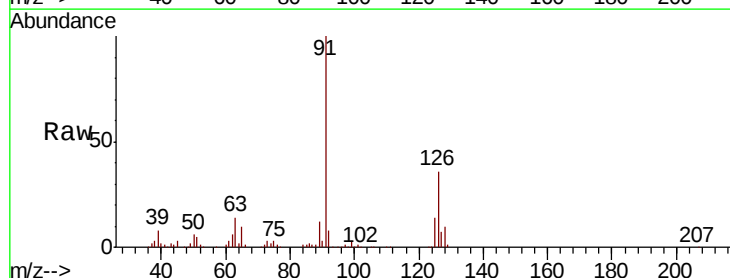
Acq: 26 May 2020 11:50

Tgt Ion: 91 Resp: 428078

Ion Ratio Lower Upper

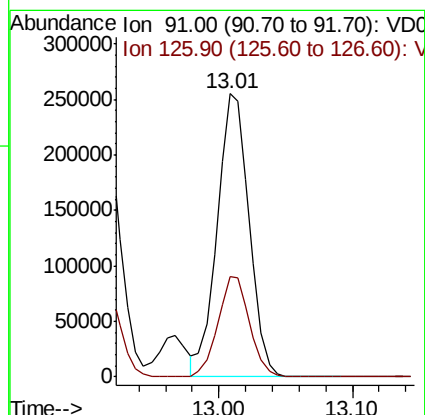
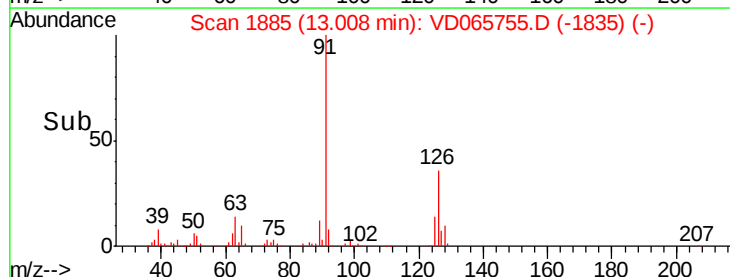
91 100

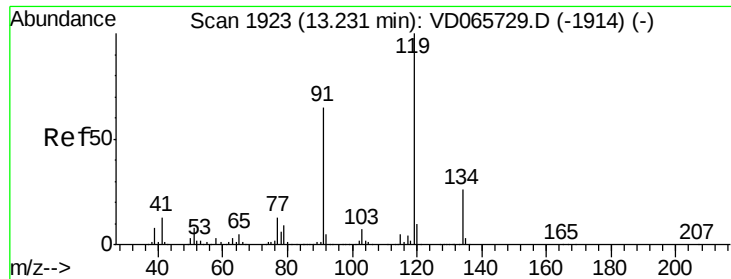
126 35.0 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

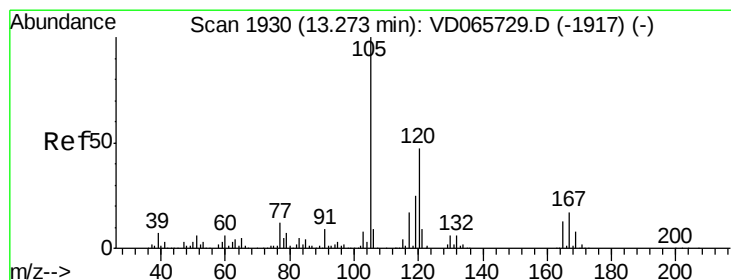
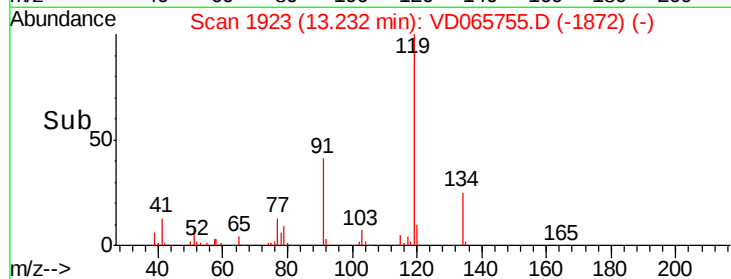
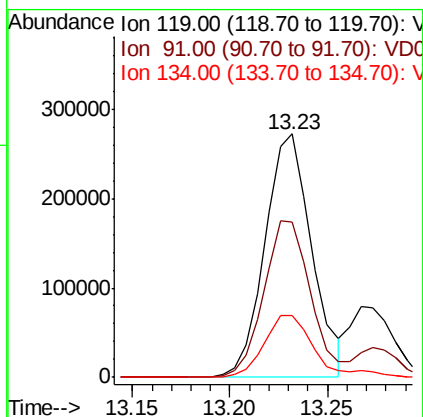
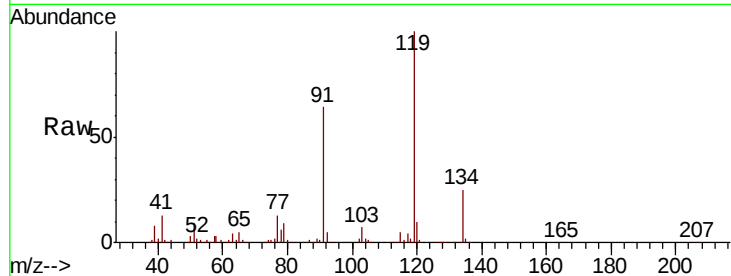




#83
tert-Butylbenzene
Concen: 43.241 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

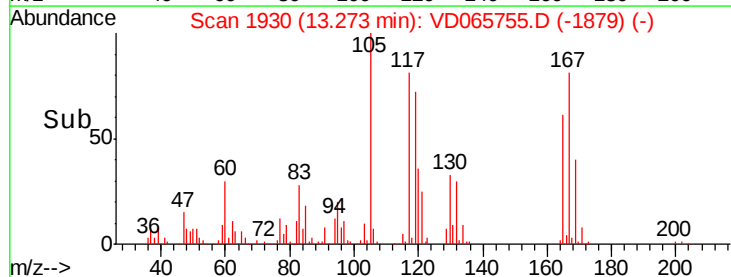
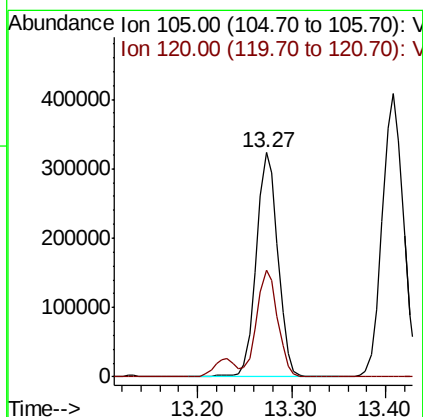
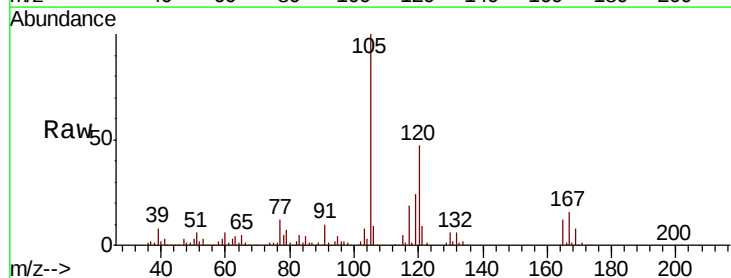
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

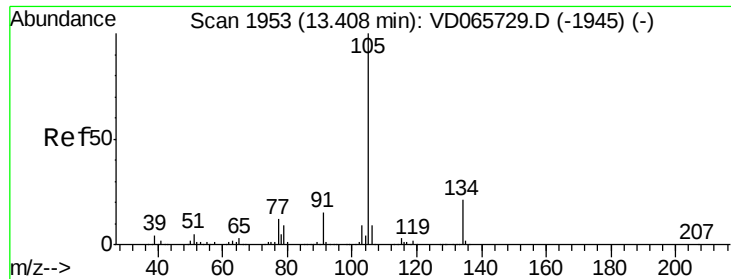
Tot Ion:119 Resp: 453229
Ion Ratio Lower Upper
119 100
91 63.9 31.6 95.0
134 27.5 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 44.064 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065755.D
Acq: 26 May 2020 11:50

Tgt Ion:105 Resp: 513653
Ion Ratio Lower Upper
105 100
120 46.6 23.6 70.8

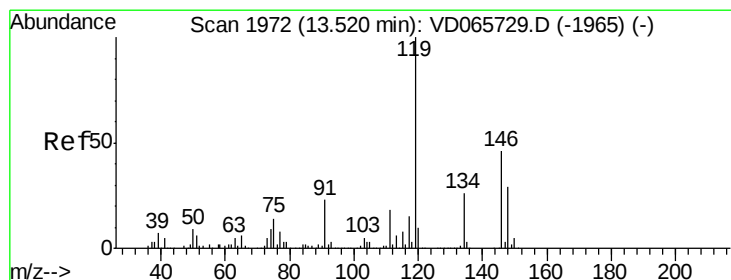
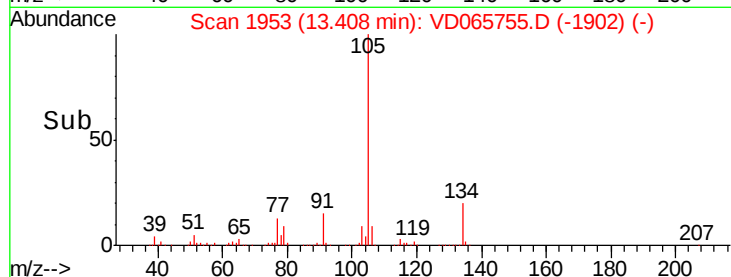
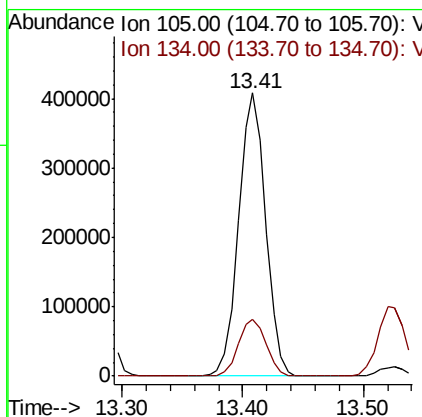
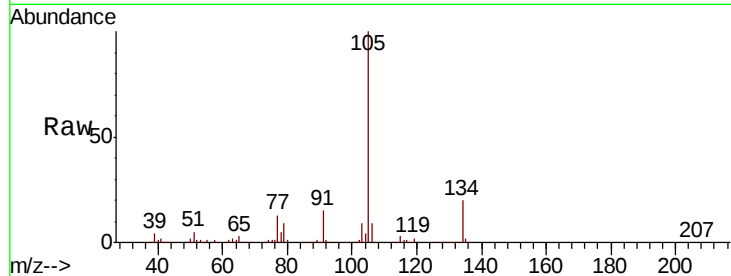




#85
 sec-Butylbenzene
 Concen: 44.508 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065755.D
 Acq: 26 May 2020 11:50

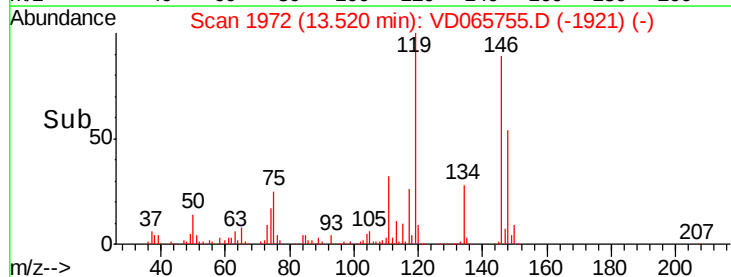
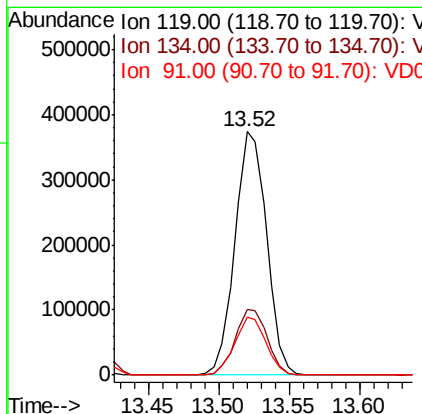
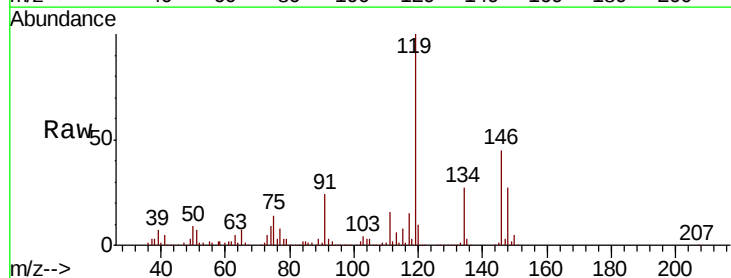
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

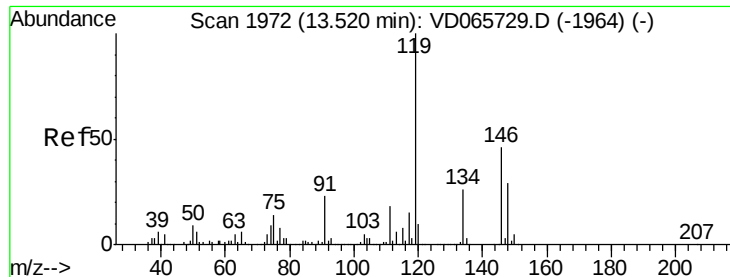
Tot Ion:105 Resp: 634788
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 44.596 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065755.D
 Acq: 26 May 2020 11:50

Tgt Ion:119 Resp: 584622
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.6 40.7
 91 23.6 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 43.204 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

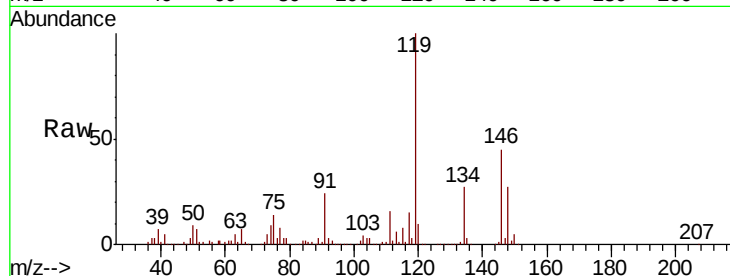
Tot Ion:146 Resp: 280195

Ion Ratio Lower Upper

146 100

111 38.4 18.9 56.9

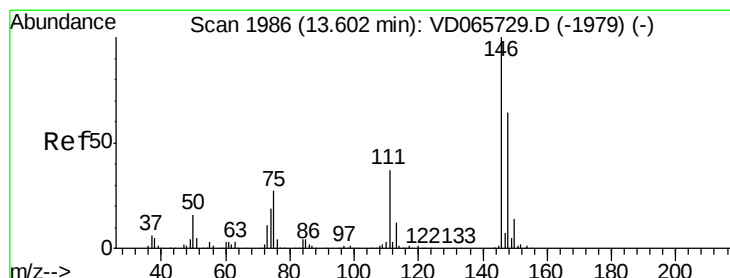
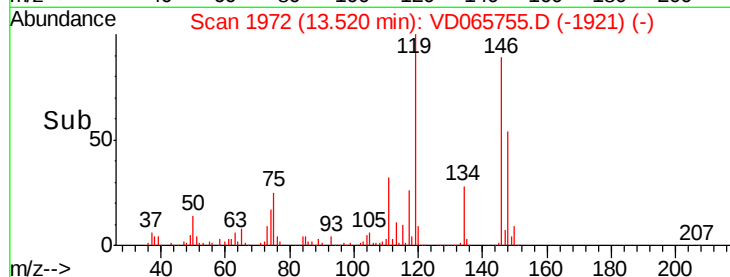
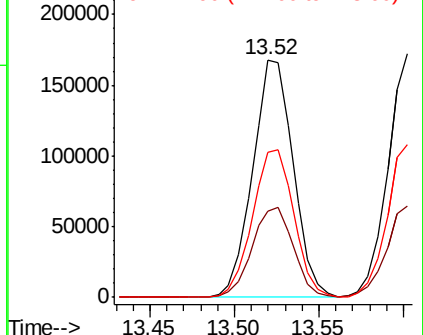
148 63.3 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 42.462 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

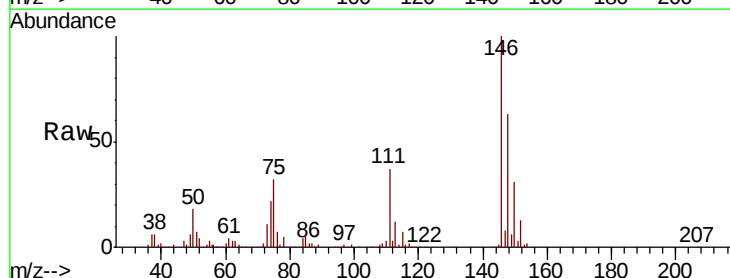
Tgt Ion:146 Resp: 274300

Ion Ratio Lower Upper

146 100

111 38.4 18.4 55.2

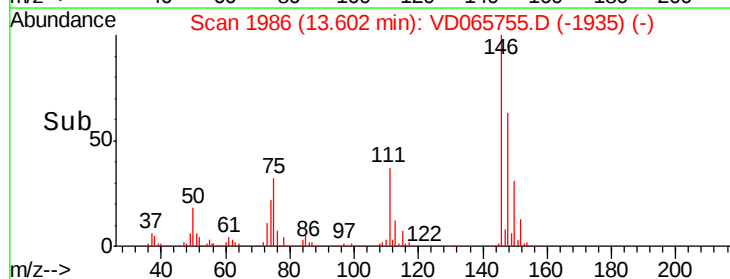
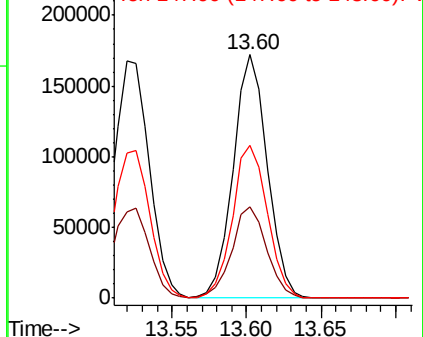
148 64.3 31.6 94.7

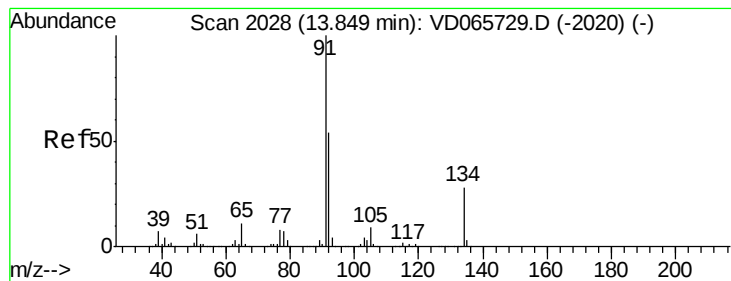


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 44.785 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

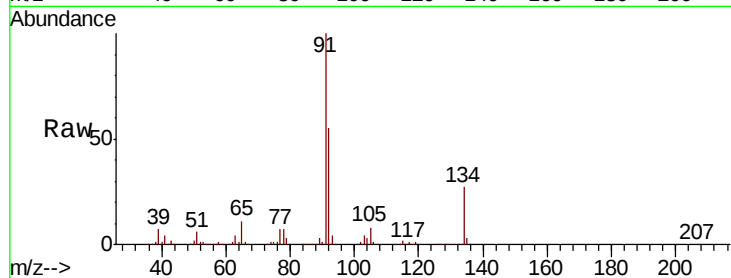
Tot Ion: 91 Resp: 549000

Ion Ratio Lower Upper

91 100

92 54.7 27.0 81.0

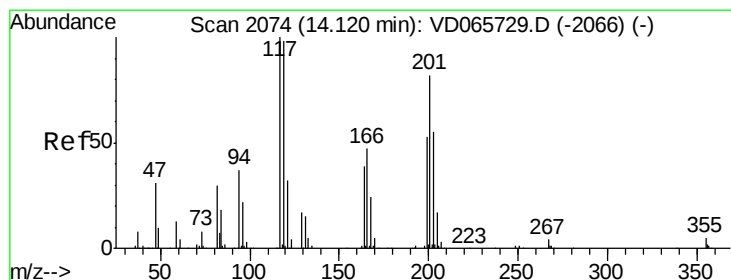
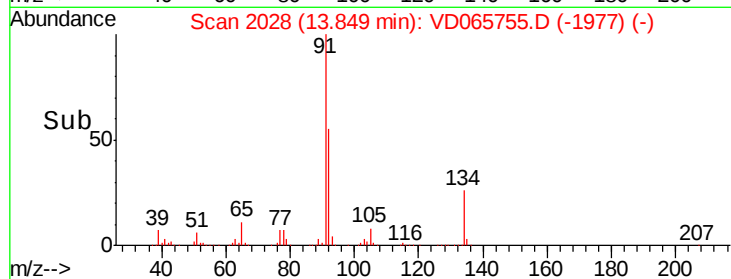
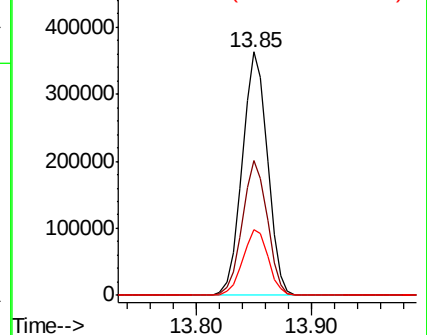
134 27.1 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 44.013 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065755.D

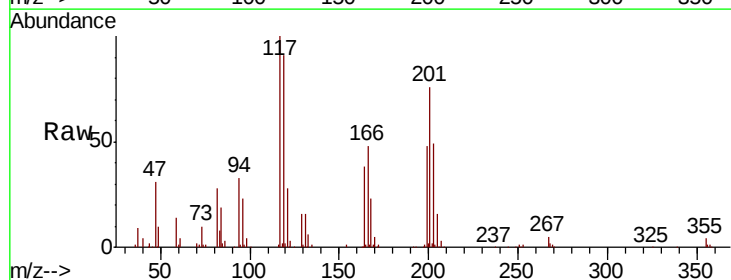
Acq: 26 May 2020 11:50

Tgt Ion: 117 Resp: 112881

Ion Ratio Lower Upper

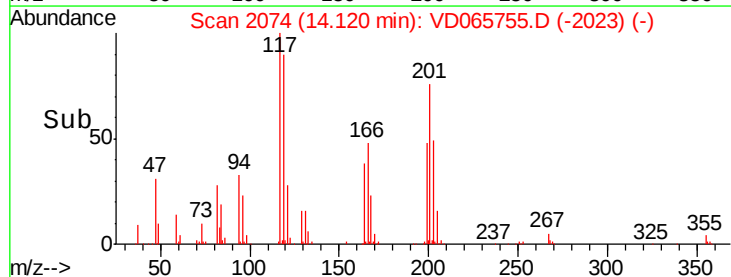
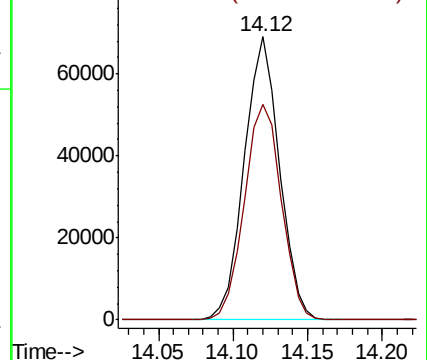
117 100

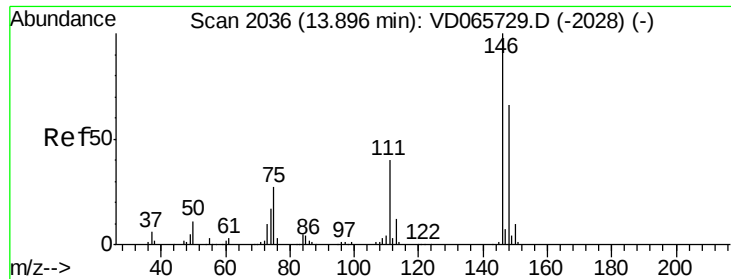
201 79.9 41.8 125.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

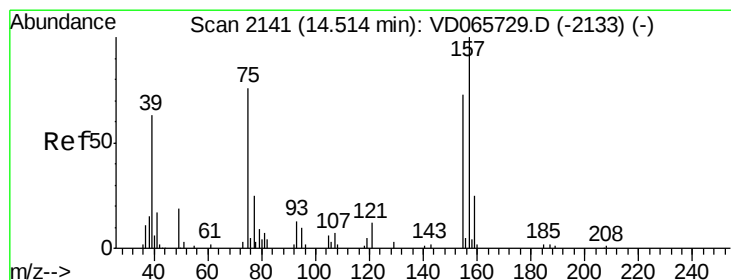
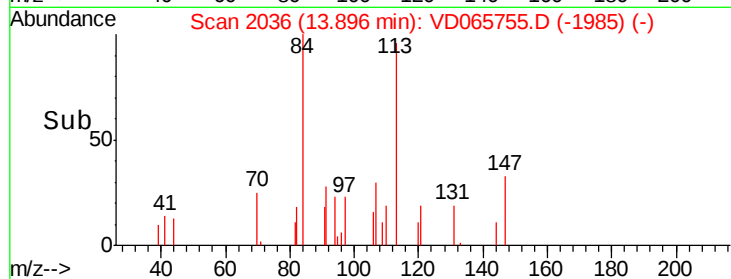
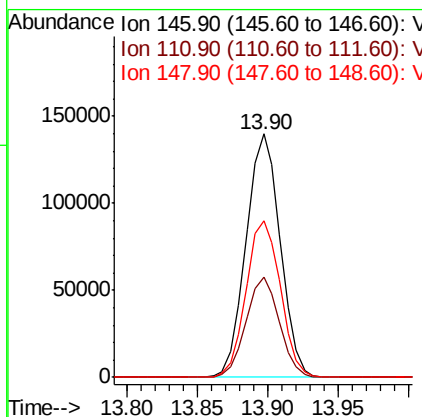
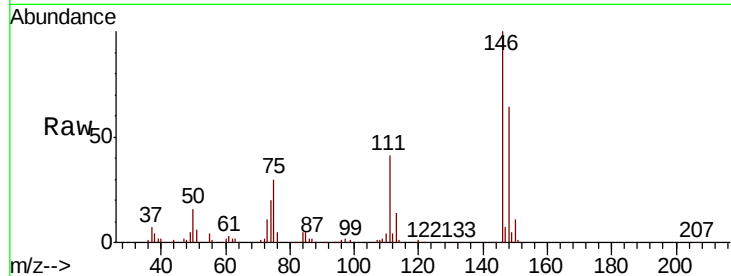




#91
 1,2-Dichlorobenzene
 Concen: 42.445 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065755.D
 Acq: 26 May 2020 11:50

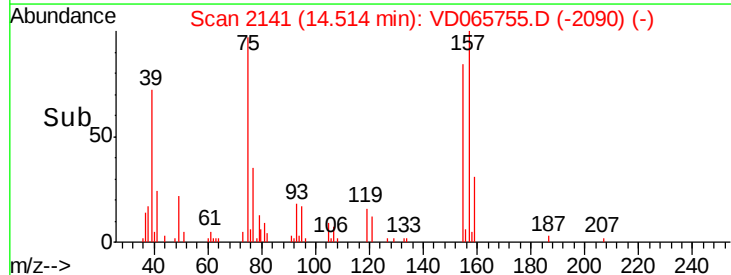
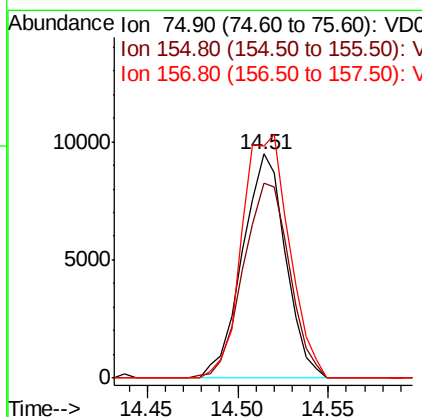
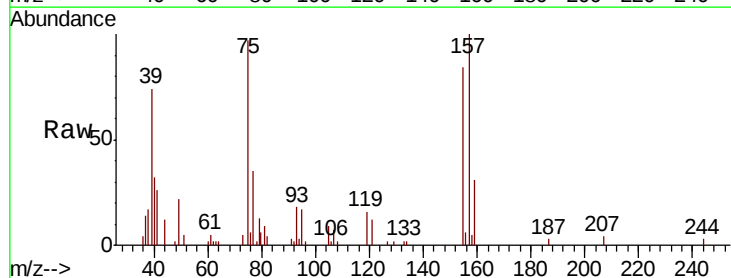
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

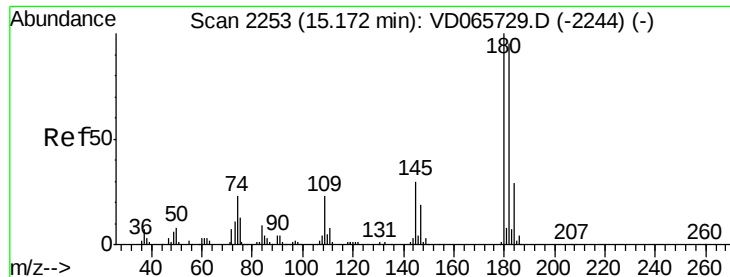
Tot Ion:146 Resp: 238103
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.0 60.0
 148 64.7 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.315 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD065755.D
 Acq: 26 May 2020 11:50

Tgt Ion: 75 Resp: 15687
 Ion Ratio Lower Upper
 75 100
 155 93.4 48.4 145.0
 157 119.0 62.6 187.8

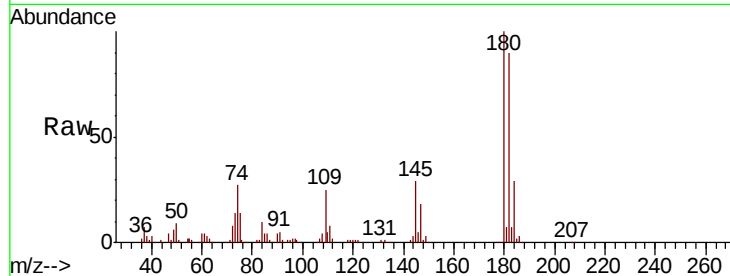




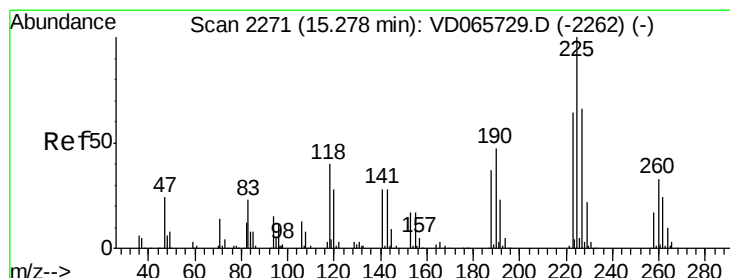
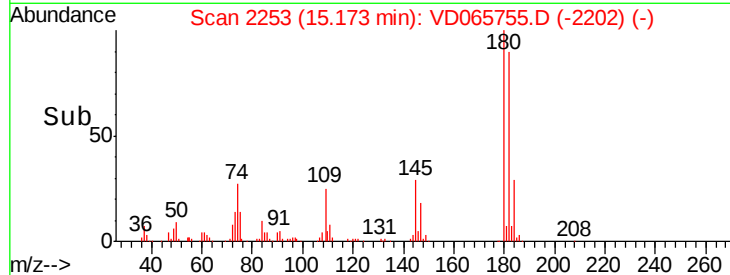
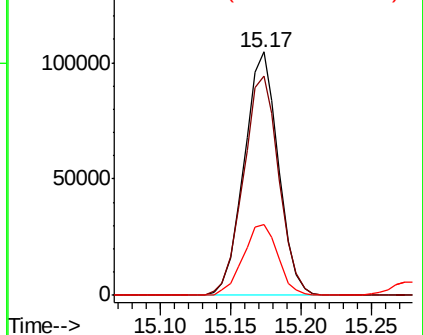
#93
 1,2,4-Trichlorobenzene
 Concen: 41.564 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065755.D
 Acq: 26 May 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 177373
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.0 141.0
 145 29.7 14.5 43.6

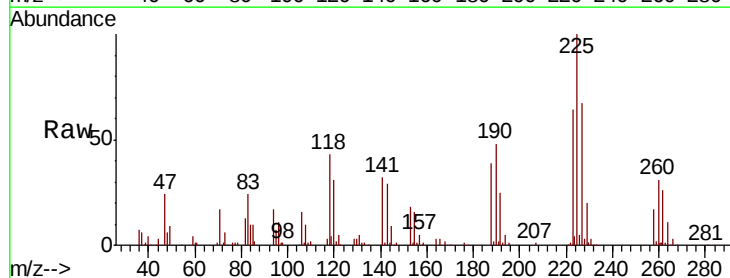


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

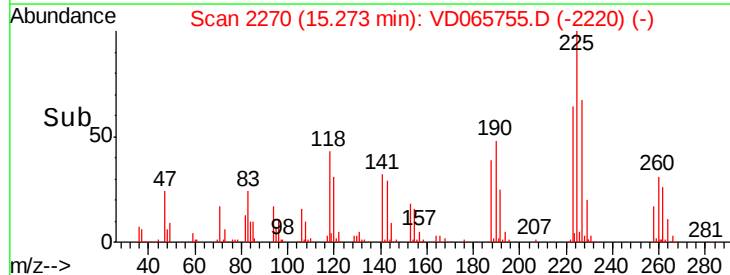
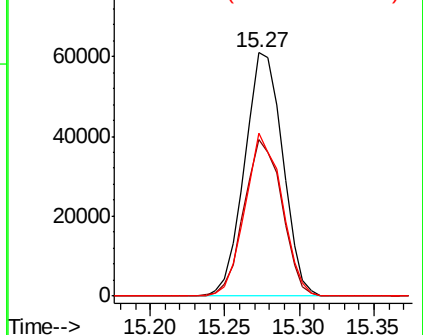


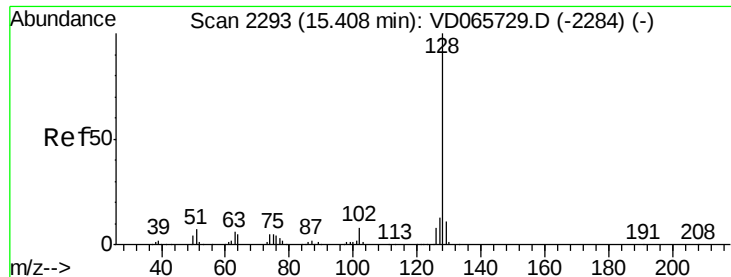
#94
 Hexachlorobutadiene
 Concen: 42.053 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD065755.D
 Acq: 26 May 2020 11:50

Tgt Ion:225 Resp: 107594
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.4 94.2
 227 64.8 32.2 96.6



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 41.834 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

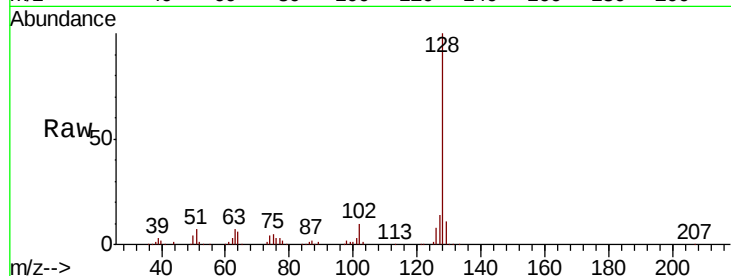
Tot Ion:128 Resp: 296934

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.2

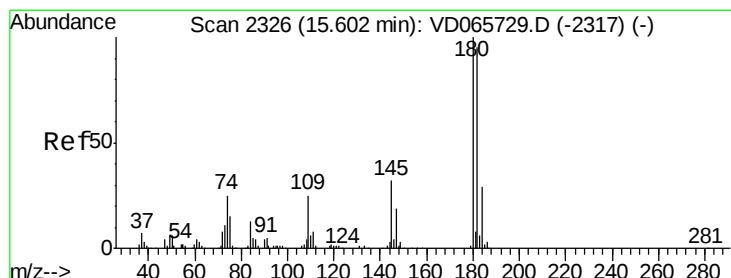
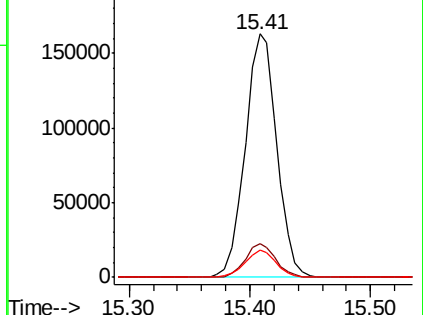
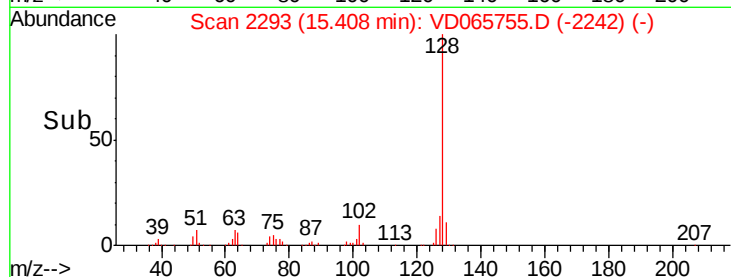
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 41.220 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD065755.D

Acq: 26 May 2020 11:50

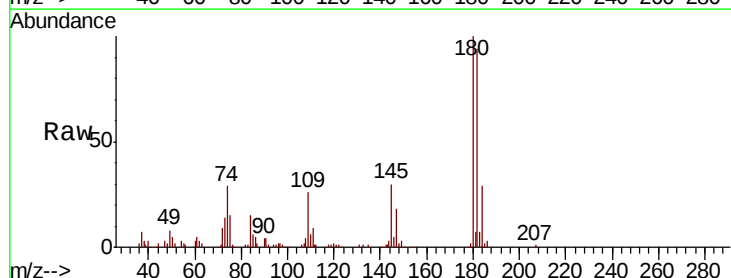
Tgt Ion:180 Resp: 149978

Ion Ratio Lower Upper

180 100

182 94.4 47.5 142.6

145 31.5 15.9 47.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

