

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051420\
 Data File : VD065737.D
 Acq On : 14 May 2020 12:32
 Operator : VA/SY
 Sample : VD0514SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 15 05:42:03 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	348998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	523383	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	464642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	229539	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	146871	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
35) Dibromofluoromethane	7.92	113	152043	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	10.34	98	575144	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.64	95	199025	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	42827	18.704	ug/l	98
3) Chloromethane	2.21	50	65821	20.057	ug/l	99
4) Vinyl Chloride	2.35	62	71361	20.083	ug/l	100
5) Bromomethane	2.75	94	46885	19.970	ug/l	95
6) Chloroethane	2.91	64	47637	20.669	ug/l	99
7) Trichlorofluoromethane	3.27	101	99570	20.269	ug/l	94
8) Diethyl Ether	3.71	74	28861	20.447	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	61840	20.480	ug/l	98
10) Methyl Iodide	4.30	142	56245	17.831	ug/l	100
11) Tert butyl alcohol	5.21	59	32712	114.188	ug/l	96
12) 1,1-Dichloroethene	4.07	96	59148	20.653	ug/l	93
13) Acrolein	3.93	56	21182	127.421	ug/l	97
14) Allyl chloride	4.71	41	98576	19.907	ug/l	100
15) Acrylonitrile	5.43	53	69002	110.658	ug/l	97
16) Acetone	4.16	43	57218	99.186	ug/l	98
17) Carbon Disulfide	4.40	76	179933	19.892	ug/l	98
18) Methyl Acetate	4.72	43	31134	21.470	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	139784	20.921	ug/l	100
20) Methylene Chloride	4.96	84	73255	22.509	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	67496	20.469	ug/l	98
22) Diisopropyl ether	6.36	45	197695	20.970	ug/l	93
23) Vinyl Acetate	6.31	43	579404	104.493	ug/l	98
24) 1,1-Dichloroethane	6.26	63	115146	20.861	ug/l	99
25) 2-Butanone	7.21	43	85927	104.201	ug/l	96
26) 2,2-Dichloropropane	7.21	77	104974	20.490	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	75990	21.030	ug/l	98
28) Bromochloromethane	7.55	49	44306	19.523	ug/l	99
29) Tetrahydrofuran	7.57	42	56877	108.786	ug/l	97
30) Chloroform	7.71	83	119138	21.357	ug/l	100
31) Cyclohexane	7.98	56	111482	19.952	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	108081	20.683	ug/l	99
36) 1,1-Dichloropropene	8.11	75	94012	20.684	ug/l	98
37) Ethyl Acetate	7.30	43	39422	20.245	ug/l #	92
38) Carbon Tetrachloride	8.10	117	101299	21.012	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051420\
 Data File : VD065737.D
 Acq On : 14 May 2020 12:32
 Operator : VA/SY
 Sample : VD0514SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 15 05:42:03 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)
39) Methylcyclohexane	9.36	83	116051	19.923	ug/l	96
40) Benzene	8.36	78	256097	20.490	ug/l	98
41) Methacrylonitrile	7.56	41	55874	52.102	ug/l #	19
42) 1,2-Dichloroethane	8.43	62	74104	21.294	ug/l	99
43) Isopropyl Acetate	8.45	43	82575	21.395	ug/l	99
44) Trichloroethene	9.11	130	76581	20.466	ug/l	98
45) 1,2-Dichloropropane	9.39	63	65728	21.329	ug/l	98
46) Dibromomethane	9.48	93	35589	21.418	ug/l	97
47) Bromodichloromethane	9.67	83	89752	20.635	ug/l	99
48) Methyl methacrylate	9.46	41	36466	20.129	ug/l	92
49) 1,4-Dioxane	9.47	88	8597	438.488	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	193059	104.528	ug/l	100
52) Toluene	10.41	92	170586	20.833	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	87772	20.657	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	104196	20.616	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	48127	21.261	ug/l	96
56) Ethyl methacrylate	10.67	69	62322	21.124	ug/l	97
57) 1,3-Dichloropropane	10.95	76	83485	21.204	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	143935	104.863	ug/l	100
59) 2-Hexanone	10.99	43	132241	105.143	ug/l	99
60) Dibromochloromethane	11.14	129	63498	20.947	ug/l	98
61) 1,2-Dibromoethane	11.25	107	46778	20.691	ug/l	99
64) Tetrachloroethene	10.88	164	65445	20.369	ug/l	96
65) Chlorobenzene	11.67	112	183191	20.922	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	69588	21.228	ug/l	99
67) Ethyl Benzene	11.75	91	328198	21.022	ug/l	96
68) m/p-Xylenes	11.86	106	250781	42.058	ug/l	100
69) o-Xylene	12.18	106	118044	21.266	ug/l	99
70) Styrene	12.20	104	197503	20.849	ug/l	99
71) Bromoform	12.37	173	39524	21.846	ug/l #	100
73) Isopropylbenzene	12.48	105	318807	20.688	ug/l	99
74) N-amyl acetate	12.30	43	75367	21.065	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	51571	21.144	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	68633	40.064	ug/l #	100
77) Bromobenzene	12.77	156	78158	21.042	ug/l	100
78) n-propylbenzene	12.83	91	373749	20.763	ug/l	100
79) 2-Chlorotoluene	12.91	91	204277	20.510	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	264909	20.864	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	18833	21.568	ug/l	93
82) 4-Chlorotoluene	13.01	91	215881	20.559	ug/l	99
83) tert-Butylbenzene	13.23	119	230086	20.436	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	258891	20.675	ug/l	99
85) sec-Butylbenzene	13.41	105	313049	20.434	ug/l	99
86) p-Isopropyltoluene	13.53	119	294734	20.930	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	145249	20.850	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	145484	20.966	ug/l	99
89) n-Butylbenzene	13.85	91	269844	20.493	ug/l	100
90) Hexachloroethane	14.12	117	55152	20.019	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	126913	21.062	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8875	21.760	ug/l	89

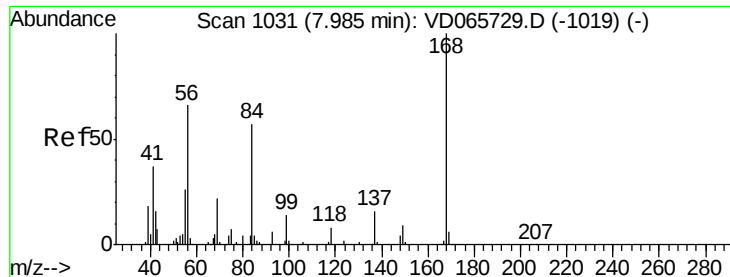
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051420\
 Data File : VD065737.D
 Acq On : 14 May 2020 12:32
 Operator : VA/SY
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Quant Time: May 15 05:42:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 13 14:28:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	93384	20.372	ug/l	97
94) Hexachlorobutadiene	15.28	225	57122	20.784	ug/l	98
95) Naphthalene	15.41	128	158010	20.724	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	81395	20.826	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: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

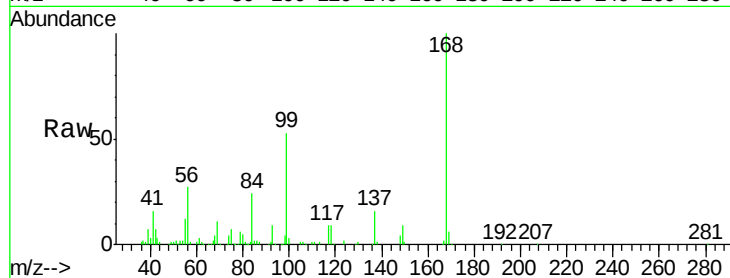
ClientSampleId :

Tot Ion:168 Resp: 348998

Ion Ratio Lower Upper

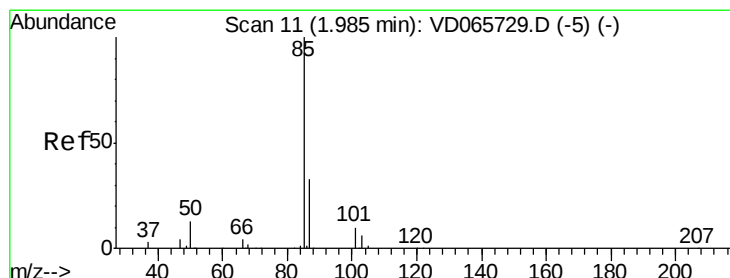
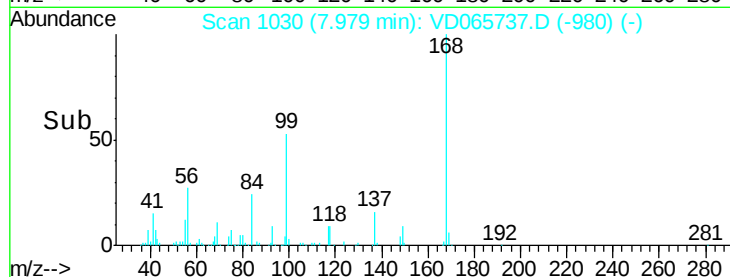
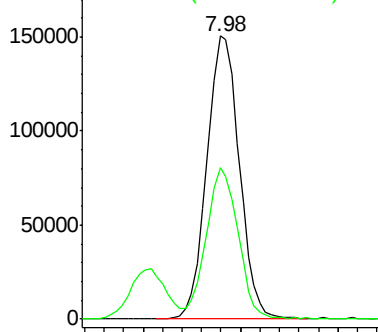
168 100

99 53.0 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.704 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065737.D

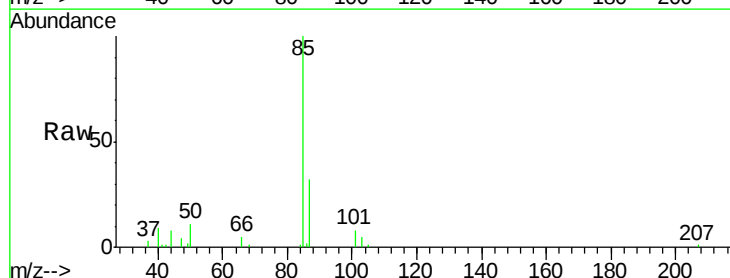
Acq: 14 May 2020 12:32

Tgt Ion: 85 Resp: 42827

Ion Ratio Lower Upper

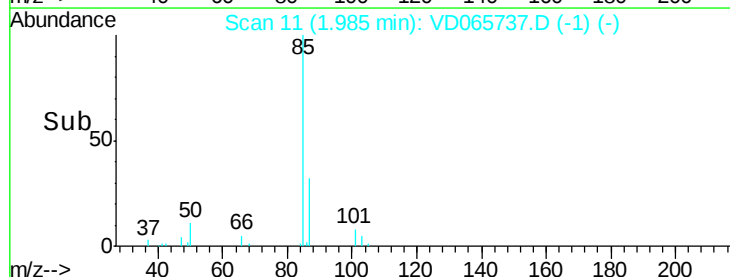
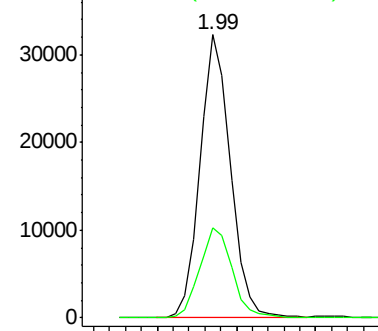
85 100

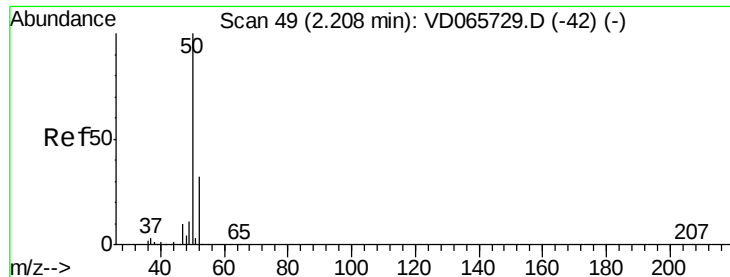
87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.057 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

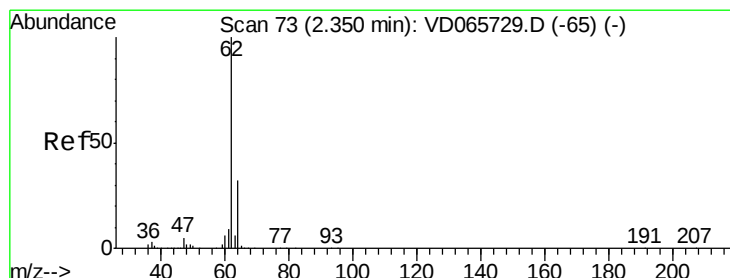
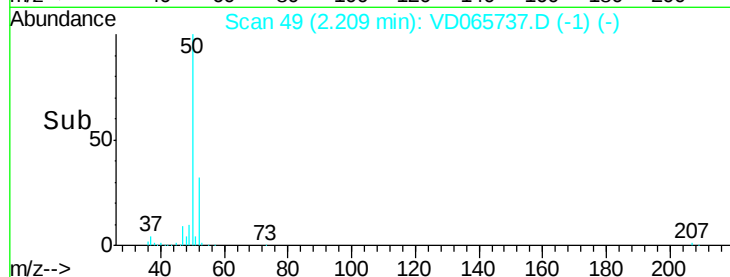
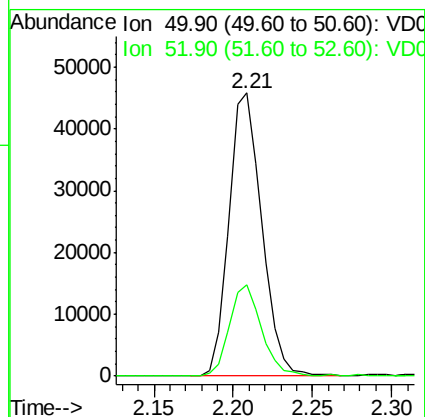
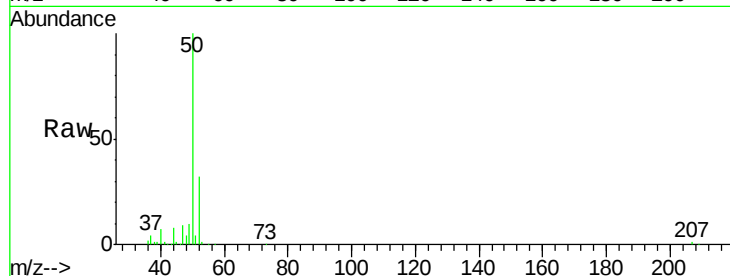
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 65821

Ion Ratio Lower Upper

50 100

52 32.2 25.5 38.3



#4

Vinyl Chloride

Concen: 20.083 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065737.D

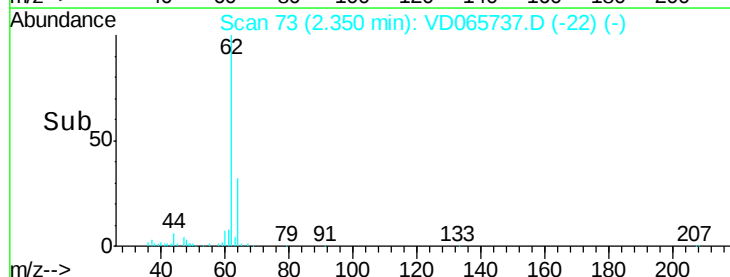
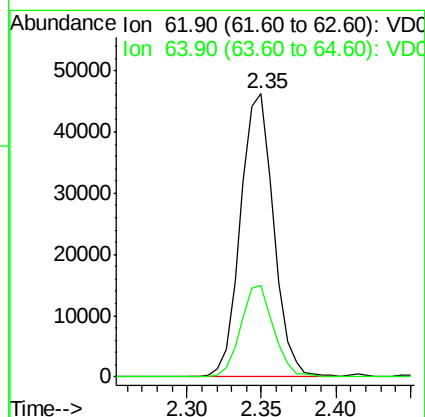
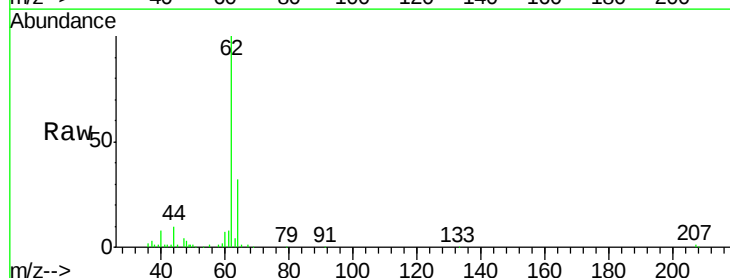
Acq: 14 May 2020 12:32

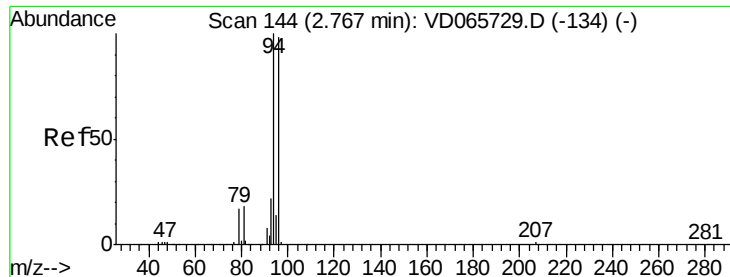
Tgt Ion: 62 Resp: 71361

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.6





#5

Bromomethane

Concen: 19.970 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

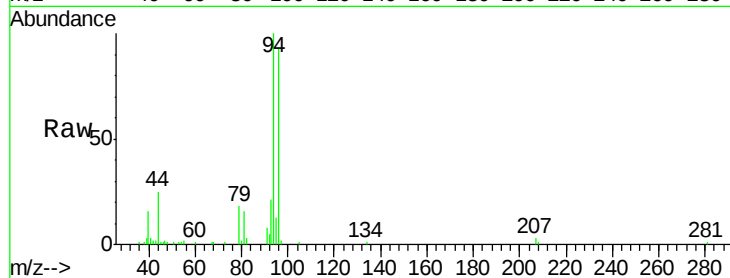
ClientSampleId :

Tot Ion: 94 Resp: 46885

Ion Ratio Lower Upper

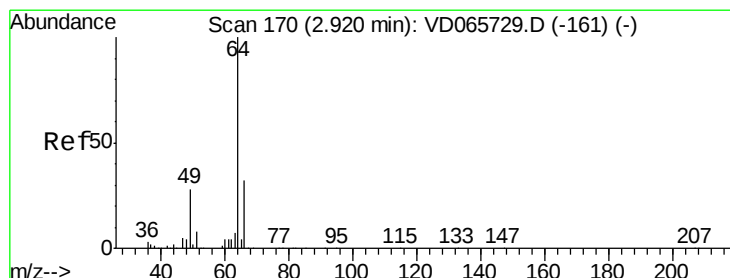
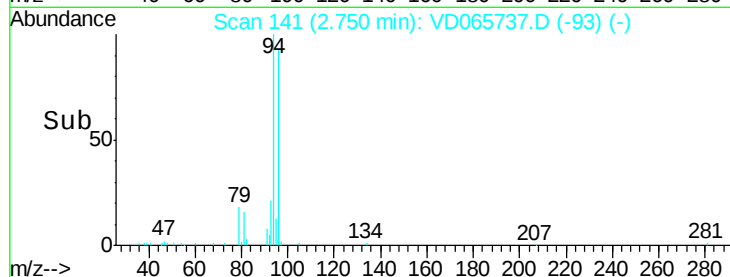
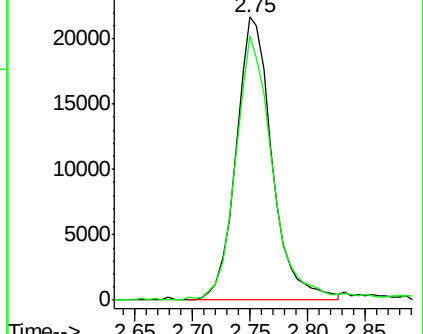
94 100

96 92.4 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: 20.669 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065737.D

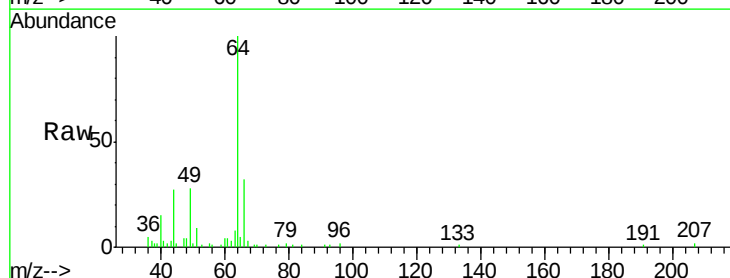
Acq: 14 May 2020 12:32

Tgt Ion: 64 Resp: 47637

Ion Ratio Lower Upper

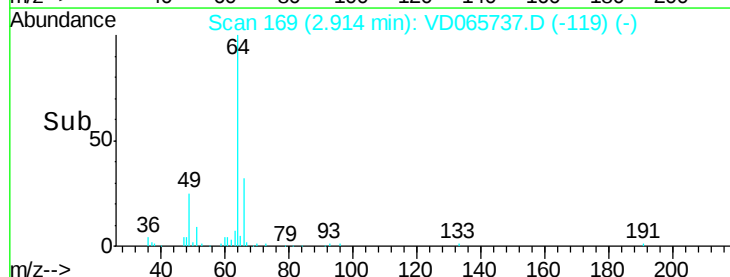
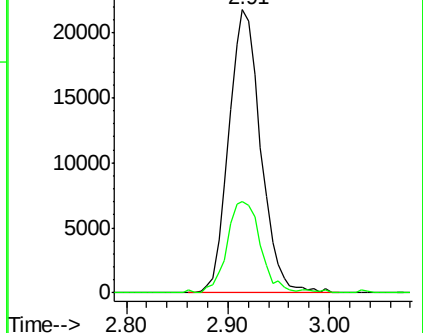
64 100

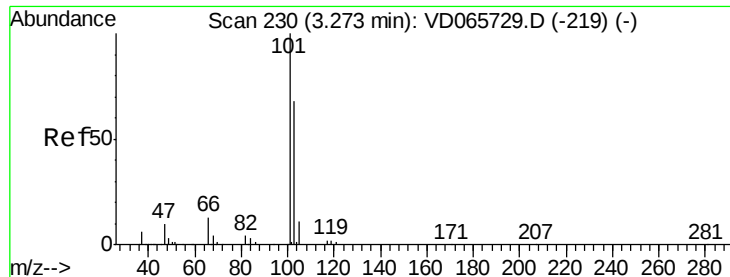
66 32.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



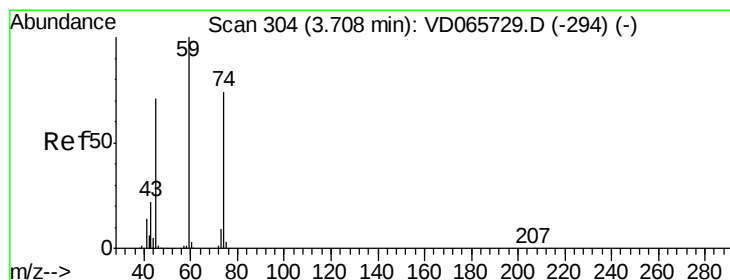
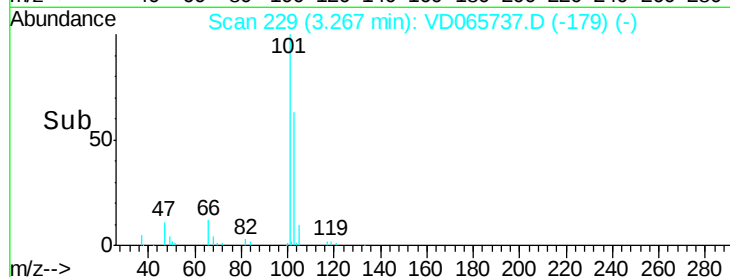
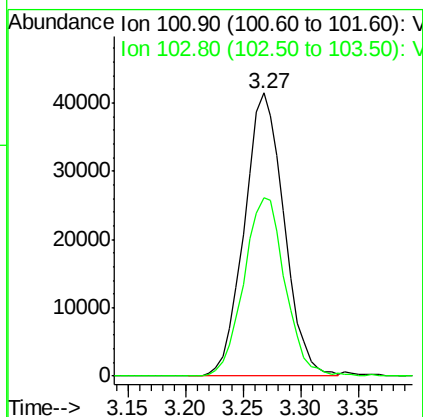
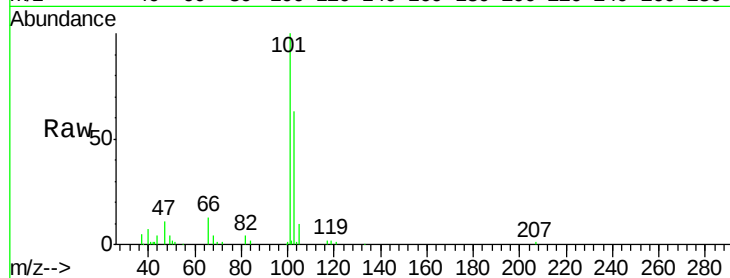


#7

Trichlorofluoromethane
Concen: 20.269 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :

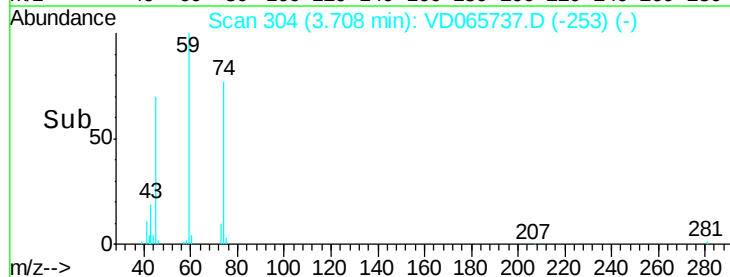
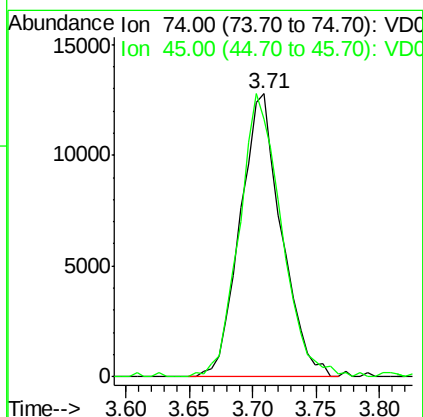
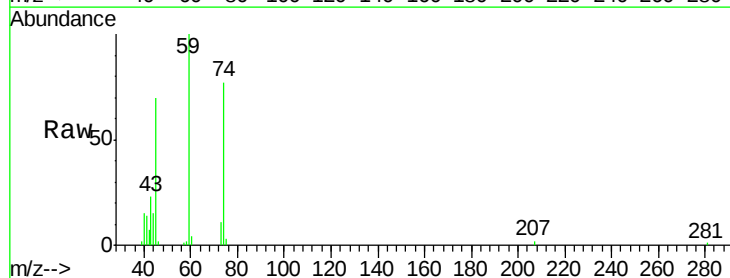
Tot Ion:101 Resp: 99570
Ion Ratio Lower Upper
101 100
103 62.9 54.1 81.1

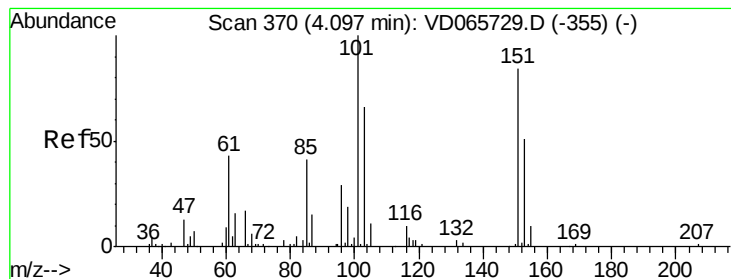


#8

Diethyl Ether
Concen: 20.447 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Tgt Ion: 74 Resp: 28861
Ion Ratio Lower Upper
74 100
45 102.1 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.480 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

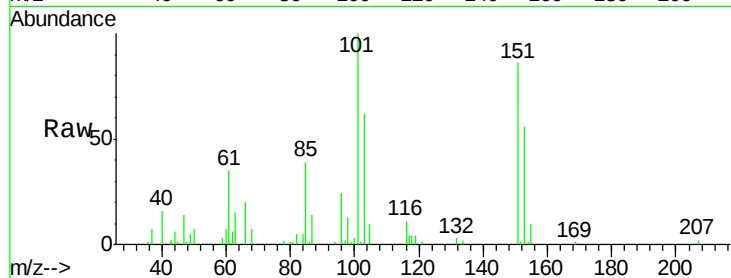
Tot Ion:101 Resp: 61840

Ion Ratio Lower Upper

101 100

85 43.9 34.1 51.1

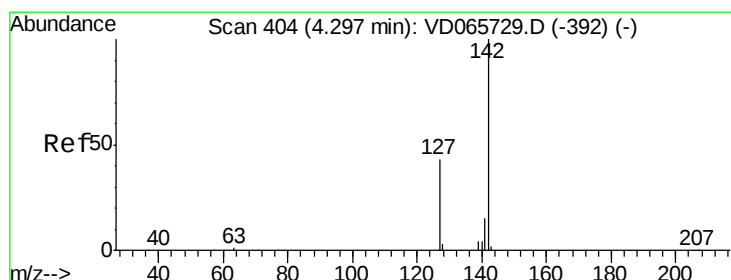
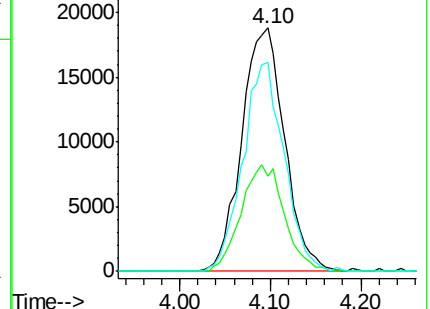
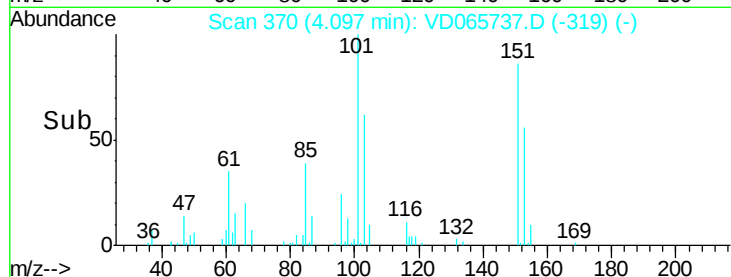
151 82.5 65.1 97.7



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: 17.831 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

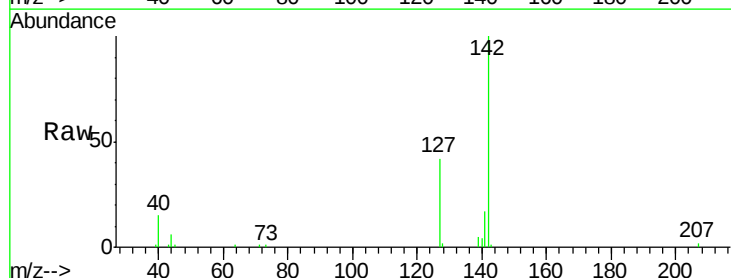
Tgt Ion:142 Resp: 56245

Ion Ratio Lower Upper

142 100

127 42.6 34.2 51.4

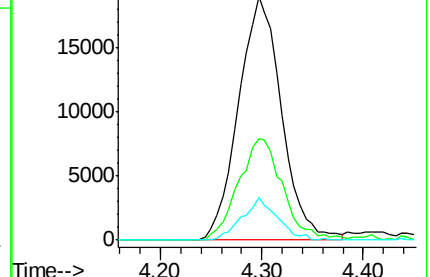
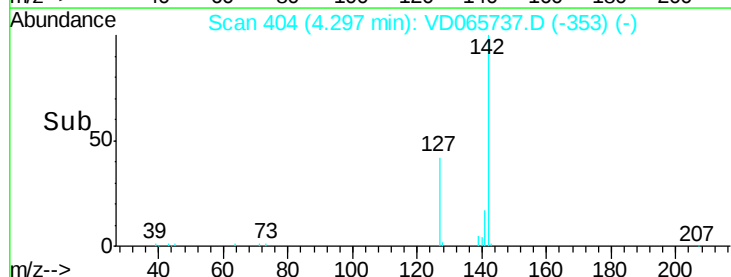
141 14.2 11.7 17.5

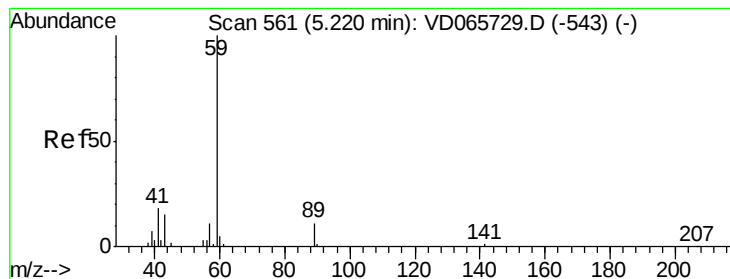


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



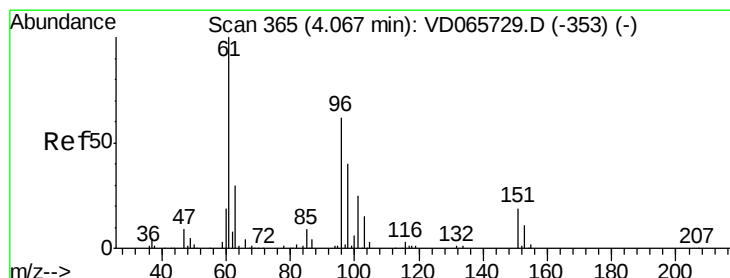
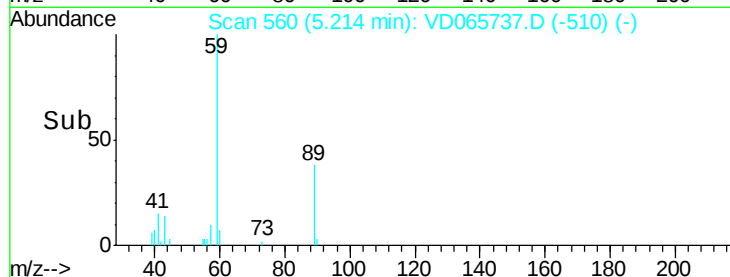
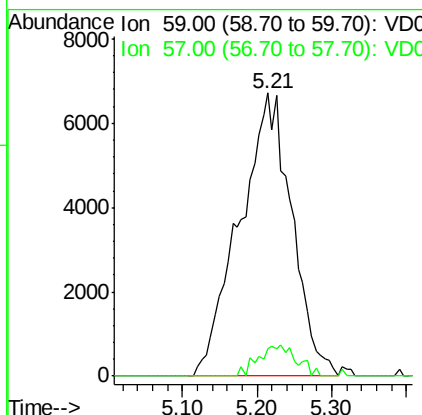
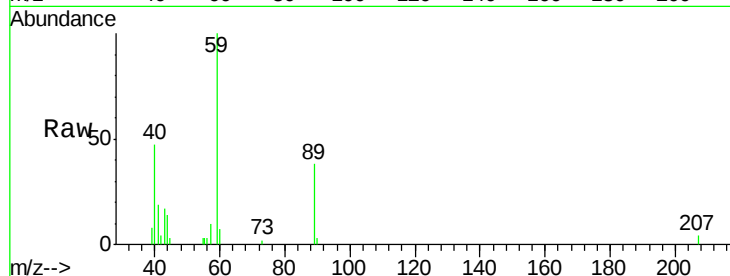


#11

Tert butyl alcohol
Concen: 114.188 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :

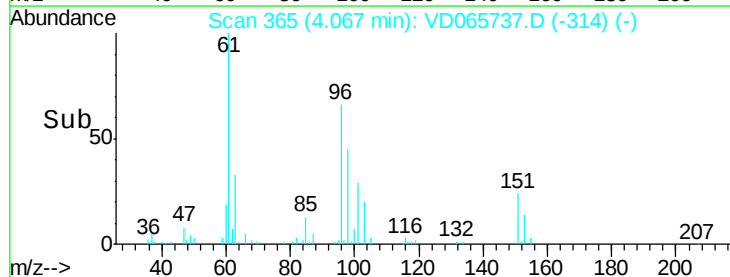
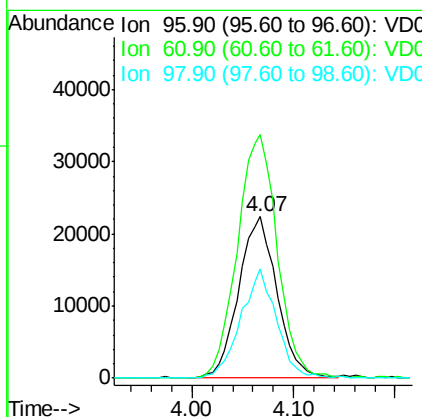
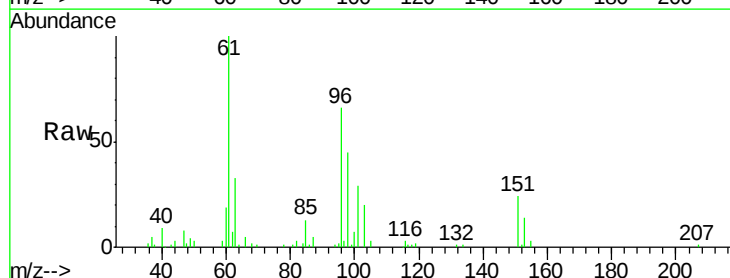
Tot Ion: 59 Resp: 32712
Ion Ratio Lower Upper
59 100
57 7.9 7.4 11.0

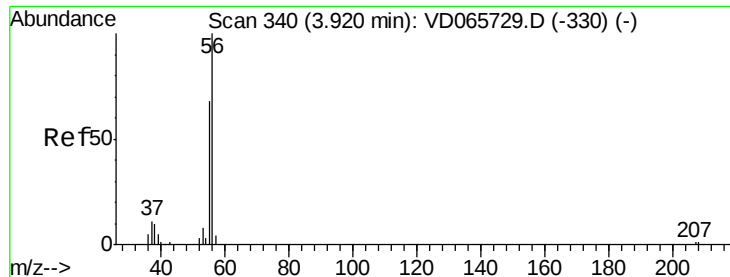


#12

1,1-Dichloroethene
Concen: 20.653 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Tgt Ion: 96 Resp: 59148
Ion Ratio Lower Upper
96 100
61 150.8 130.0 195.0
98 67.6 52.3 78.5

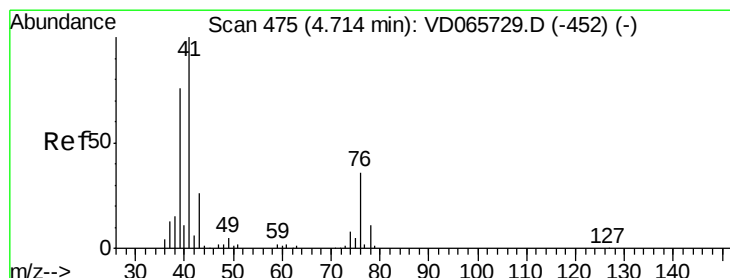
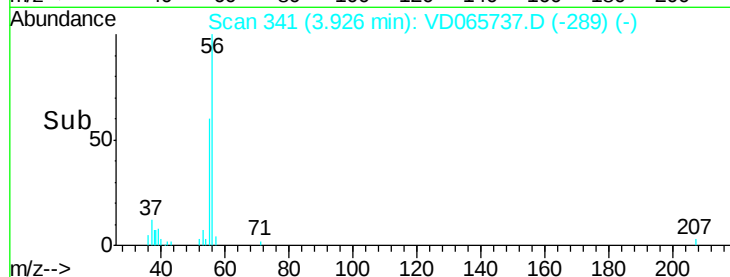
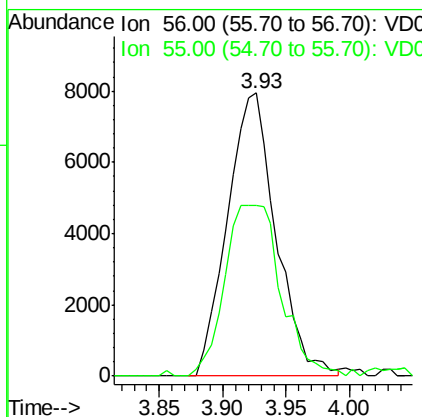
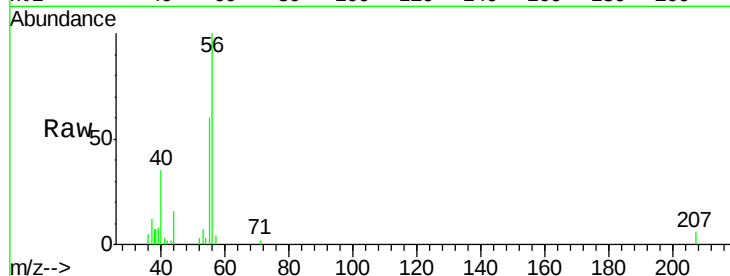




#13
Acrolein
Concen: 127.421 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.01 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

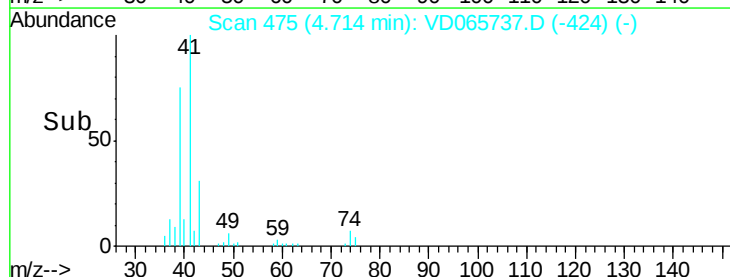
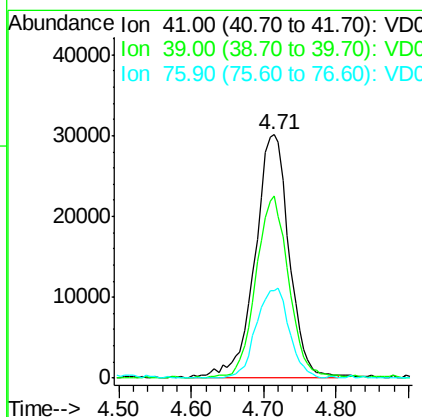
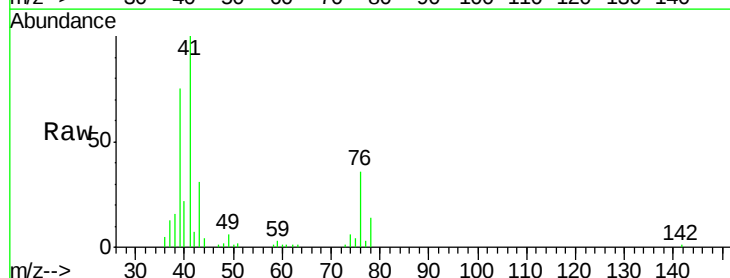
Instrument :
MSVOA_D
ClientSampled :

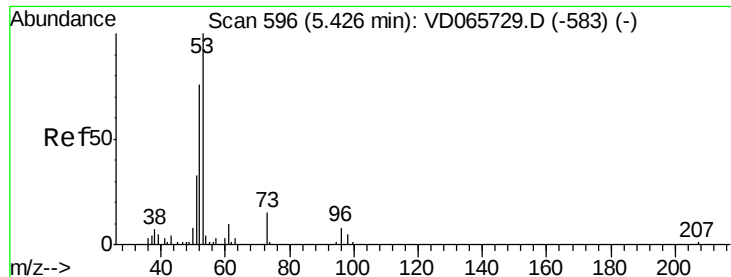
Tot Ion: 56 Resp: 21182
Ion Ratio Lower Upper
56 100
55 69.8 57.8 86.8



#14
Allyl chloride
Concen: 19.907 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Tgt Ion: 41 Resp: 98576
Ion Ratio Lower Upper
41 100
39 72.3 57.4 86.2
76 35.6 28.4 42.6





#15

Acrylonitrile

Concen: 110.658 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

ClientSampled :

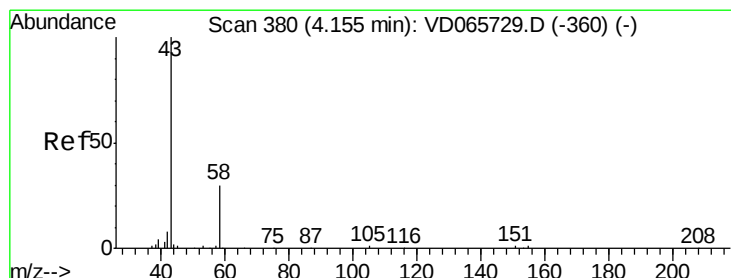
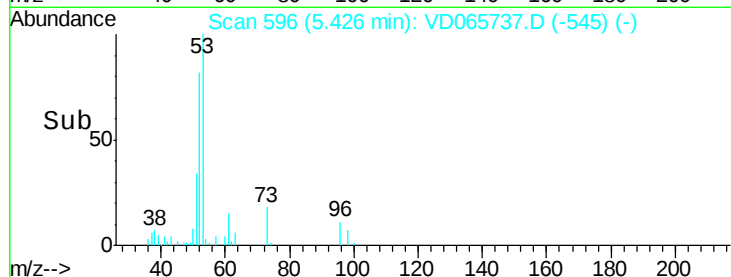
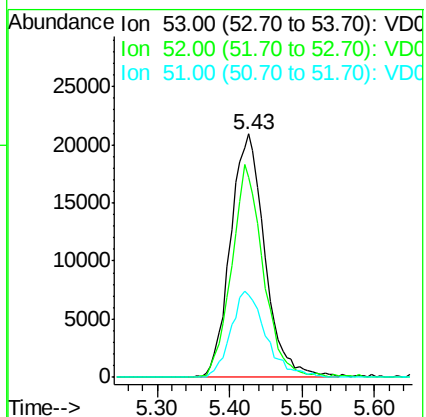
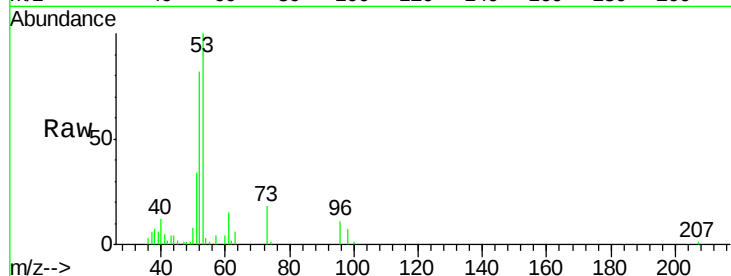
Tot Ion: 53 Resp: 69002

Ion Ratio Lower Upper

53 100

52 80.0 66.3 99.5

51 35.8 29.2 43.8



#16

Acetone

Concen: 99.186 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065737.D

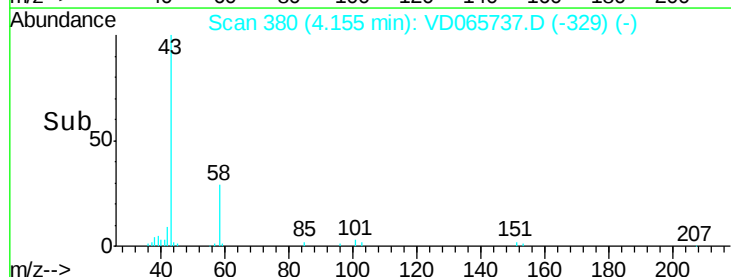
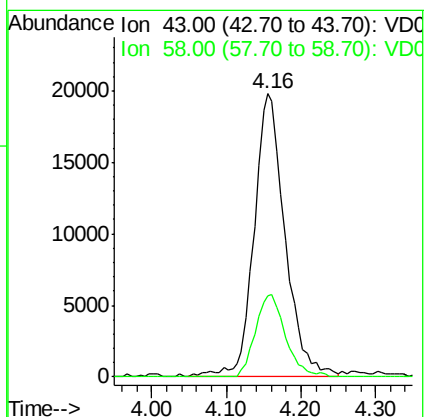
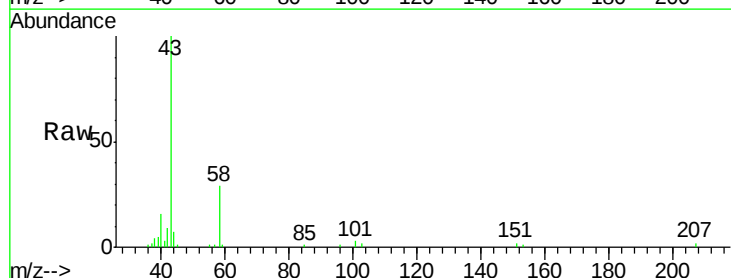
Acq: 14 May 2020 12:32

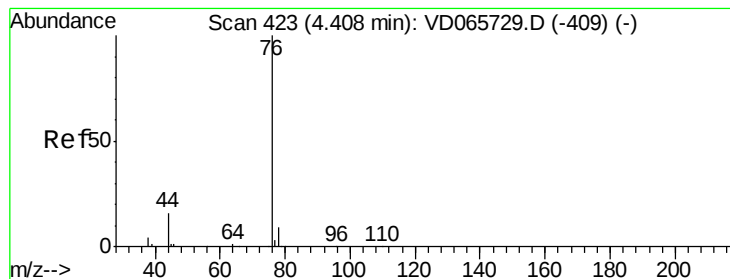
Tgt Ion: 43 Resp: 57218

Ion Ratio Lower Upper

43 100

58 28.7 23.7 35.5





#17

Carbon Disulfide

Concen: 19.892 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

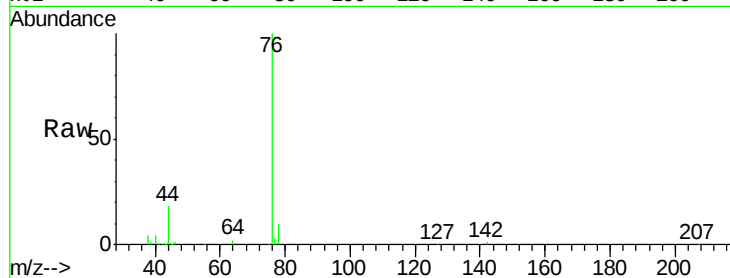
ClientSampleId :

Tot Ion: 76 Resp: 179933

Ion Ratio Lower Upper

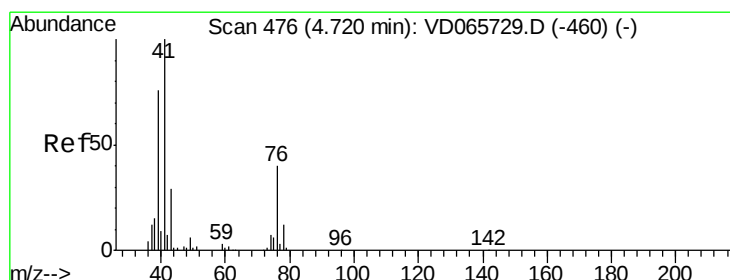
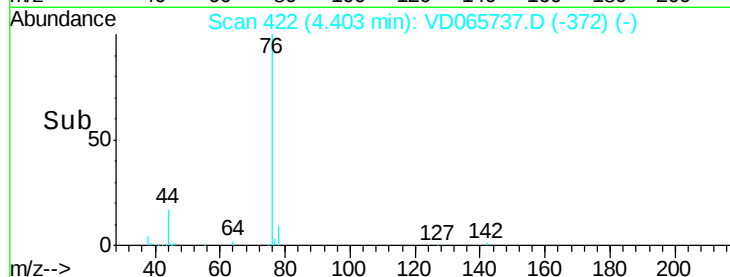
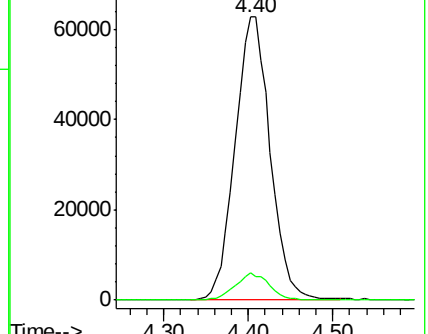
76 100

78 9.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.470 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065737.D

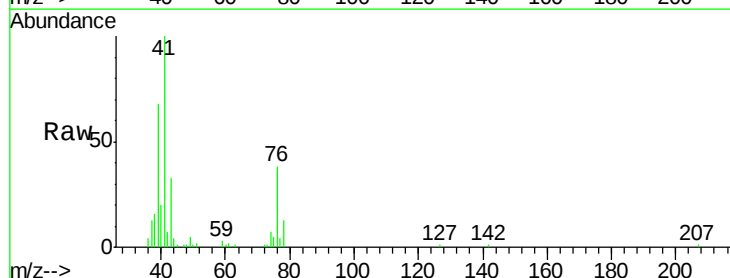
Acq: 14 May 2020 12:32

Tgt Ion: 43 Resp: 31134

Ion Ratio Lower Upper

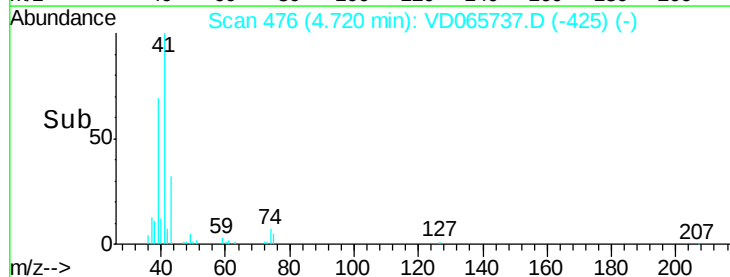
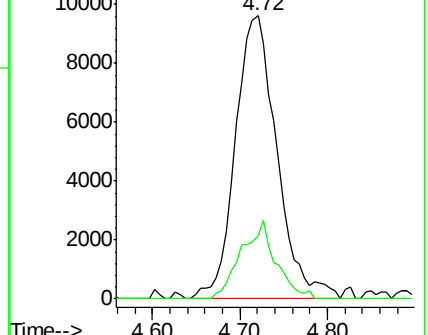
43 100

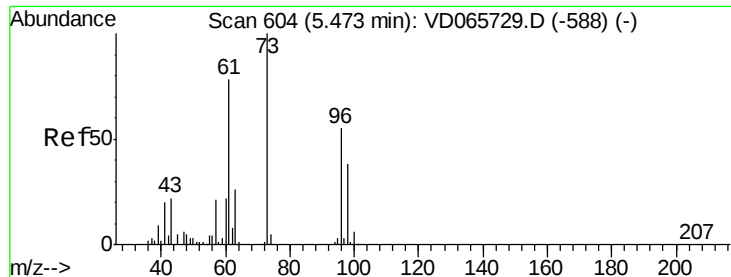
74 23.1 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

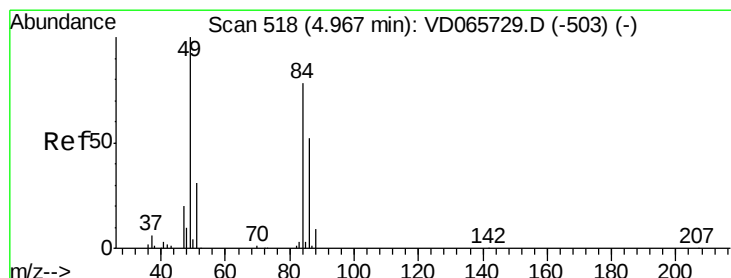
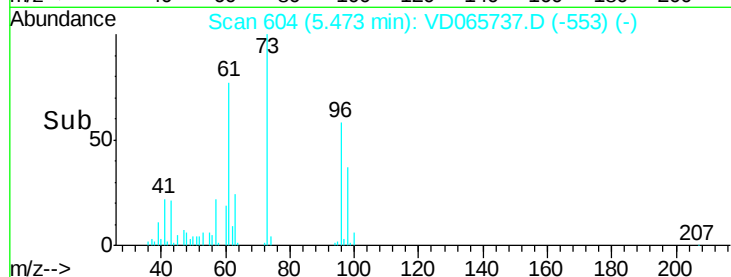
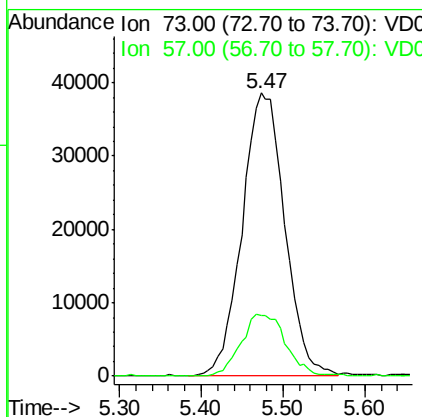
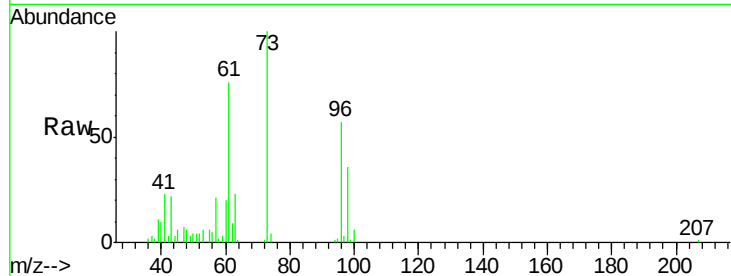




#19
Methvl tert-butvl Ether
Concen: 20.921 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

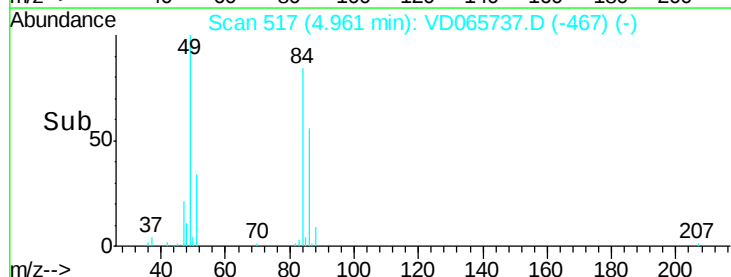
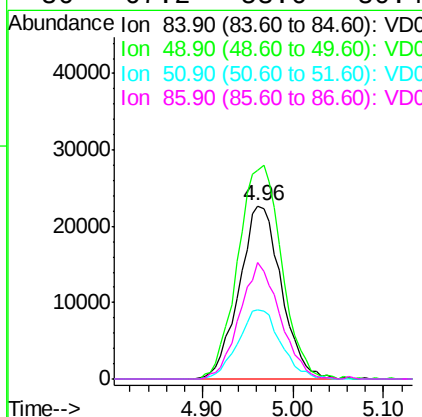
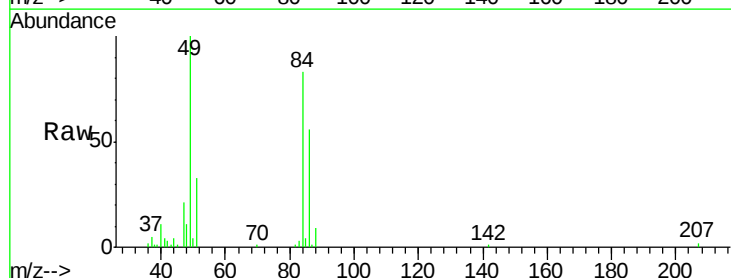
Instrument :
MSVOA_D
ClientSampleId :

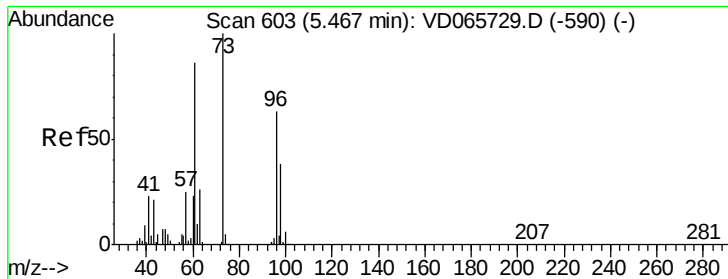
Tot Ion: 73 Resp: 139784
Ion Ratio Lower Upper
73 100
57 21.3 17.0 25.4



#20
Methylene Chloride
Concen: 22.509 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Tgt Ion: 84 Resp: 73255
Ion Ratio Lower Upper
84 100
49 120.4 102.9 154.3
51 40.3 31.5 47.3
86 67.2 53.6 80.4





#21

trans-1,2-Dichloroethene

Concen: 20.469 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :

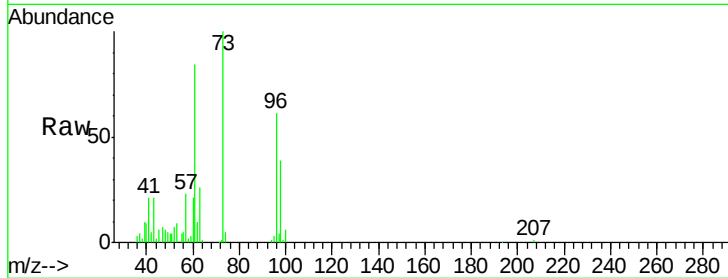
Tot Ion: 96 Resp: 67496

Ion Ratio Lower Upper

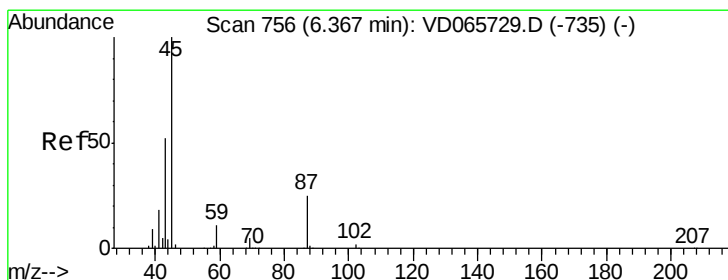
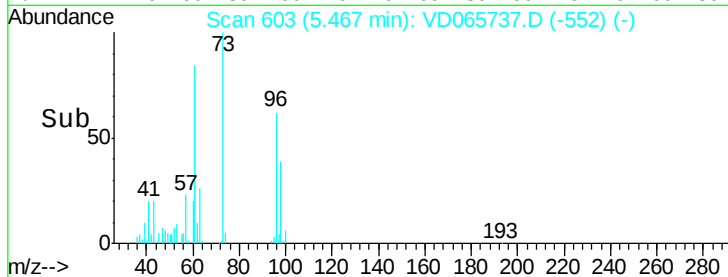
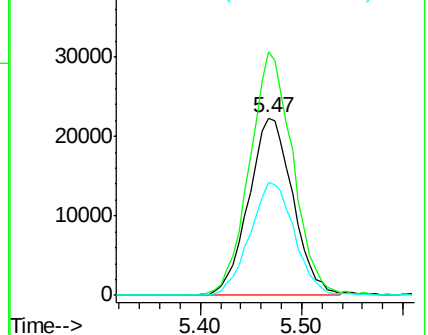
96 100

61 137.2 108.6 163.0

98 63.9 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: 20.970 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Tgt Ion: 45 Resp: 197695

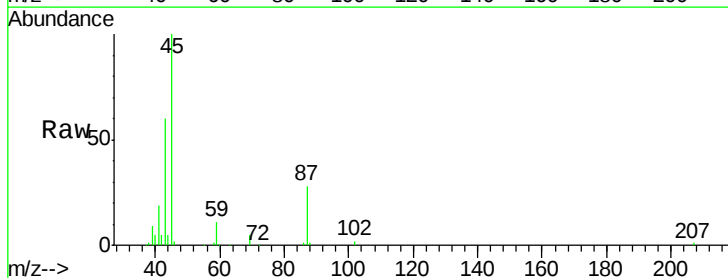
Ion Ratio Lower Upper

45 100

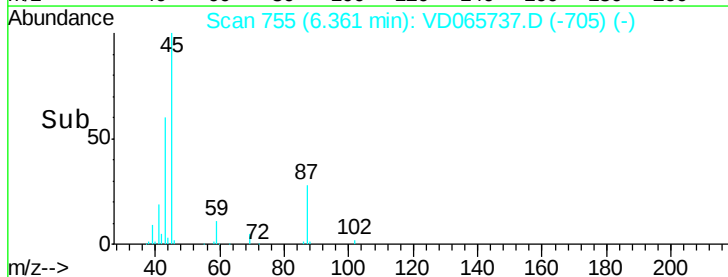
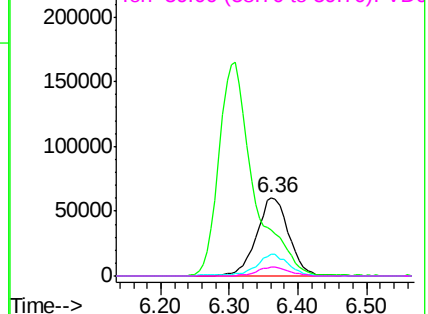
43 58.6 41.8 62.6

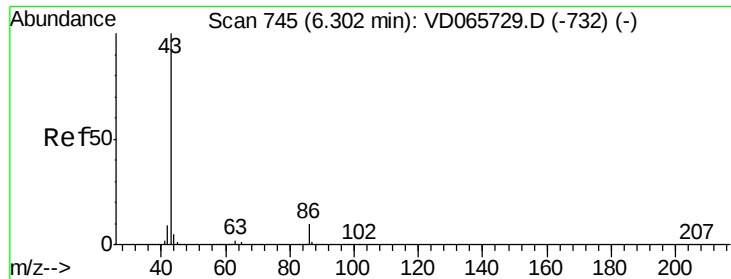
87 27.4 20.1 30.1

59 11.3 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: 104.493 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

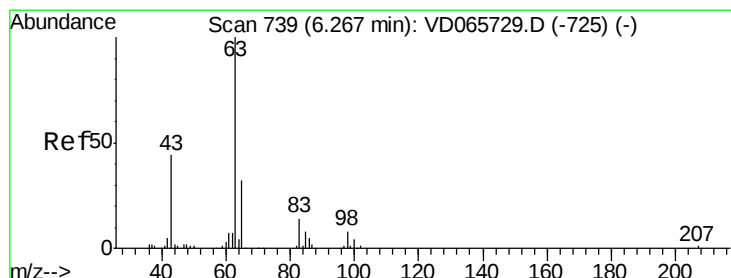
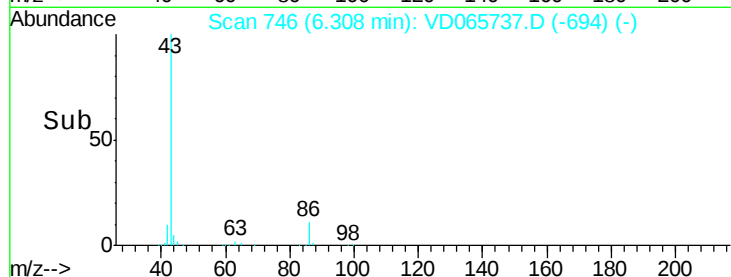
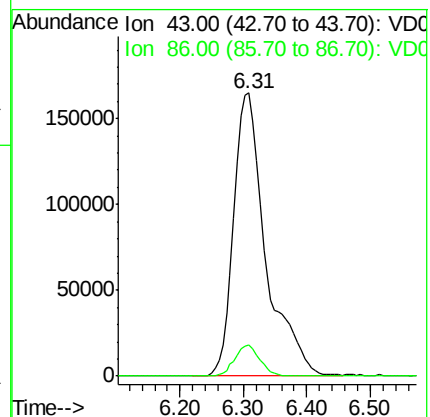
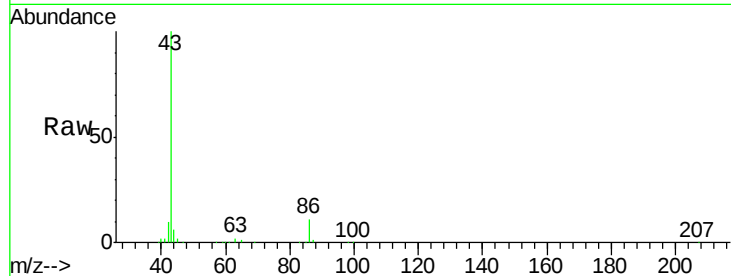
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 579404

Ion Ratio Lower Upper

43 100

86 11.0 8.2 12.4



#24

1,1-Dichloroethane

Concen: 20.861 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

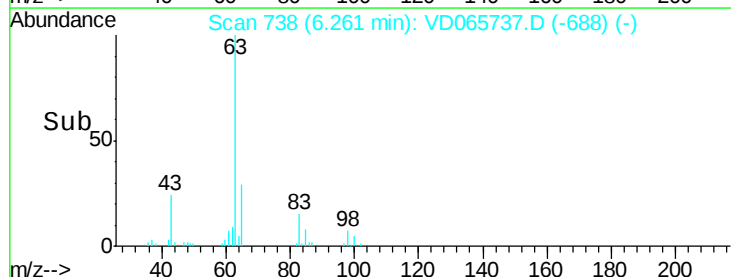
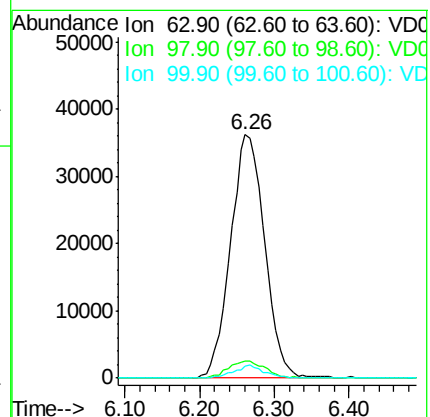
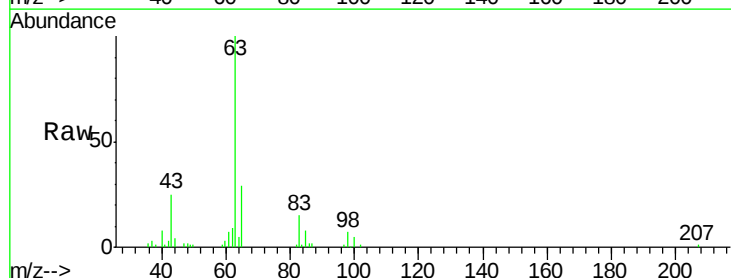
Tgt Ion: 63 Resp: 115146

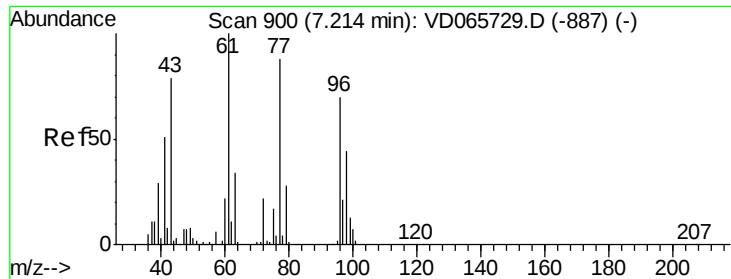
Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.5

100 4.9 2.2 6.6

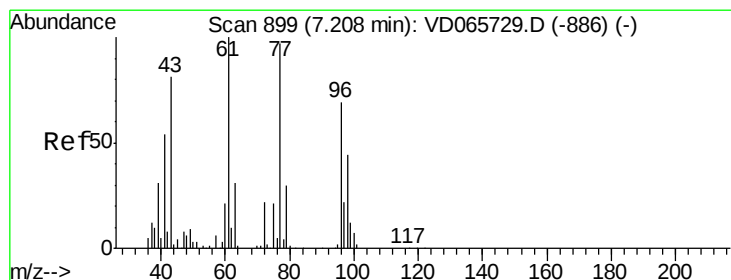
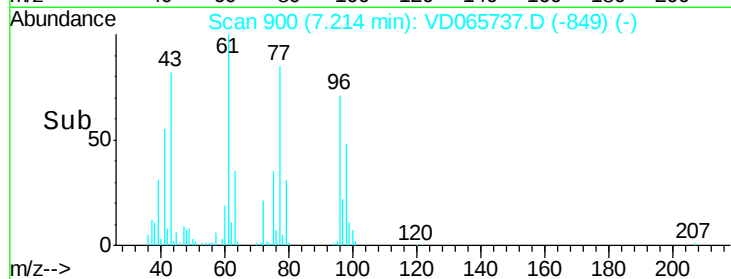
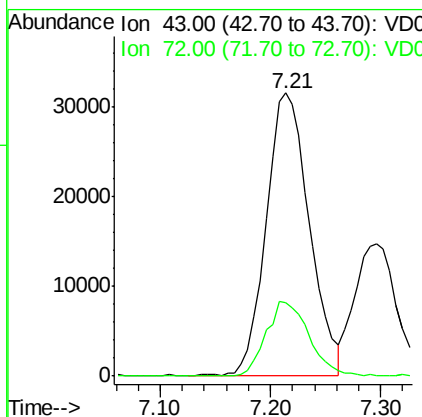
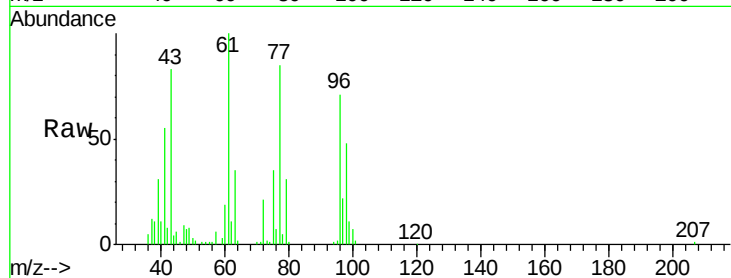




#25
2-Butanone
Concen: 104.201 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

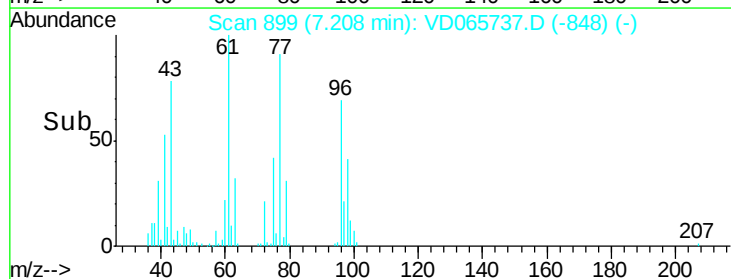
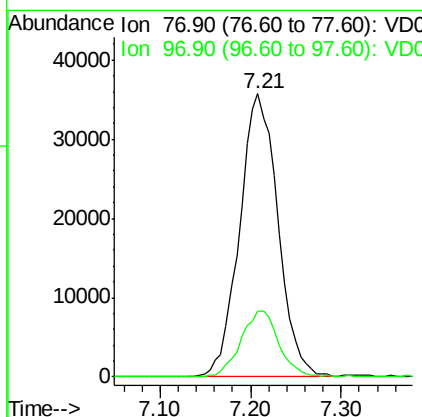
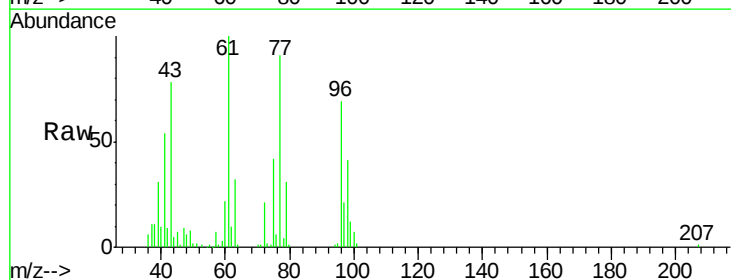
Instrument :
MSVOA_D
ClientSampled :

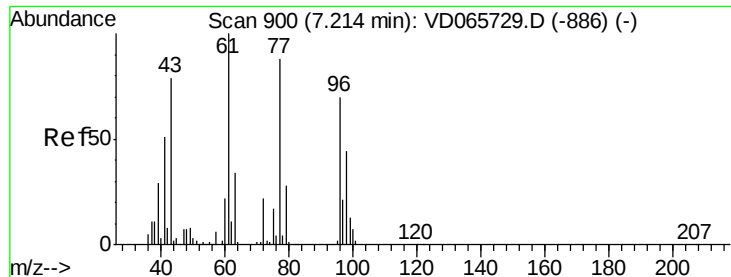
Tot Ion: 43 Resp: 85927
Ion Ratio Lower Upper
43 100
72 25.8 22.3 33.5



#26
2,2-Dichloropropane
Concen: 20.490 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Tgt Ion: 77 Resp: 104974
Ion Ratio Lower Upper
77 100
97 23.0 11.3 33.9



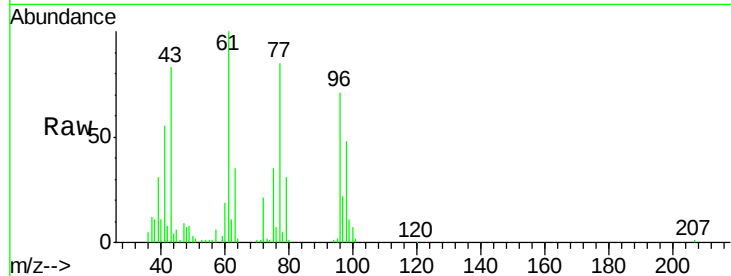


#27

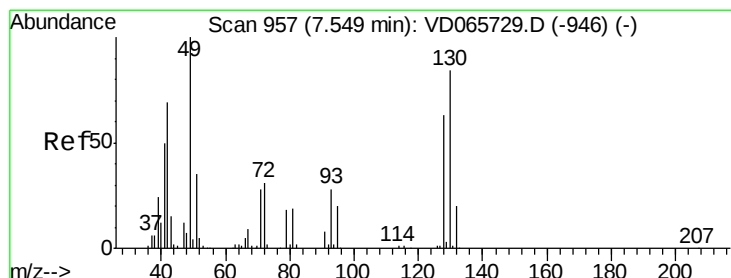
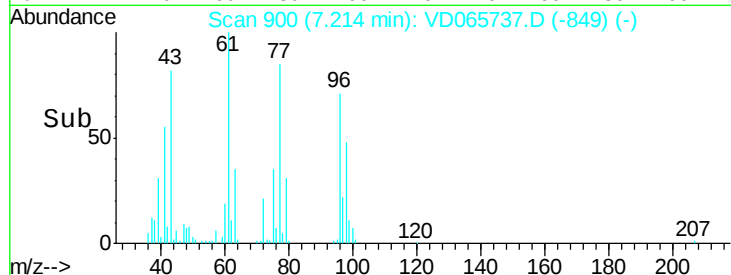
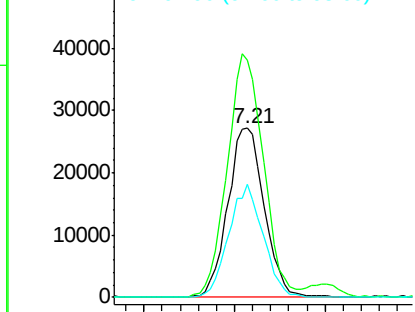
cis-1,2-Dichloroethene
Concen: 21.030 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 75990
Ion Ratio Lower Upper
96 100
61 142.0 0.0 288.0
98 62.6 0.0 127.8



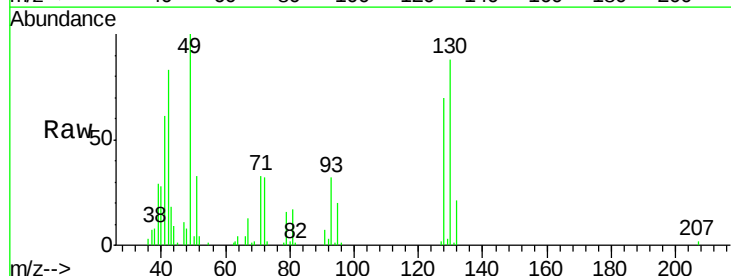
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



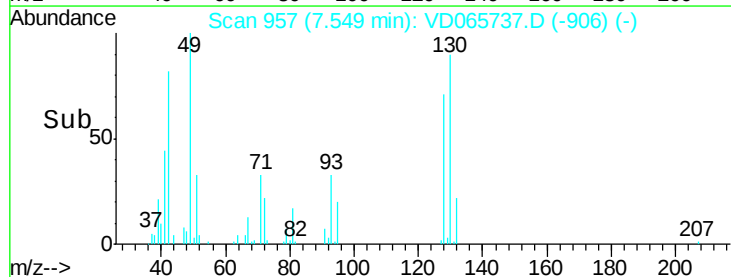
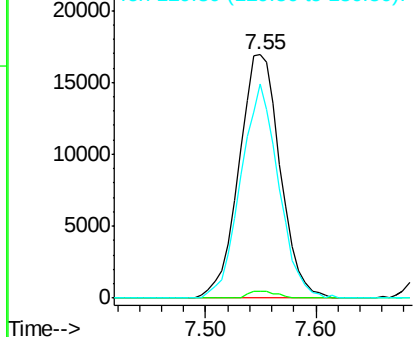
#28

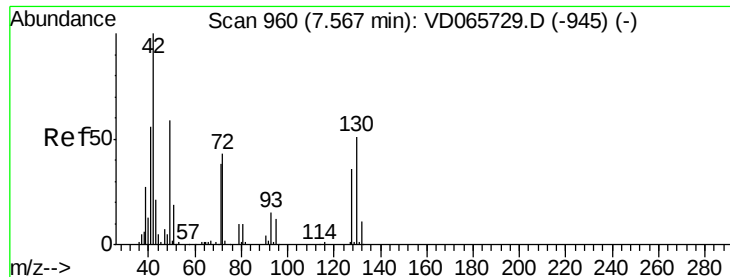
Bromochloromethane
Concen: 19.523 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Tgt Ion: 49 Resp: 44306
Ion Ratio Lower Upper
49 100
129 1.9 0.0 4.6
130 80.9 65.2 97.8



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

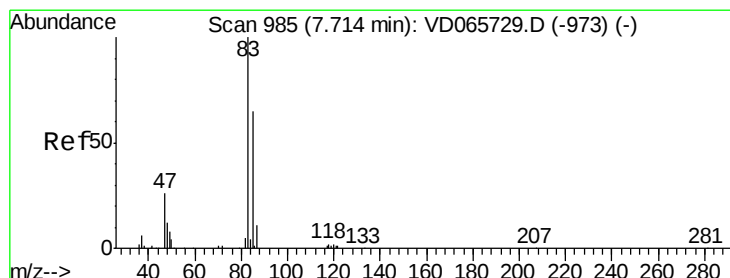
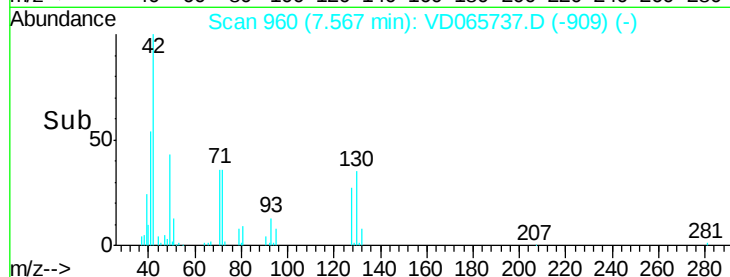
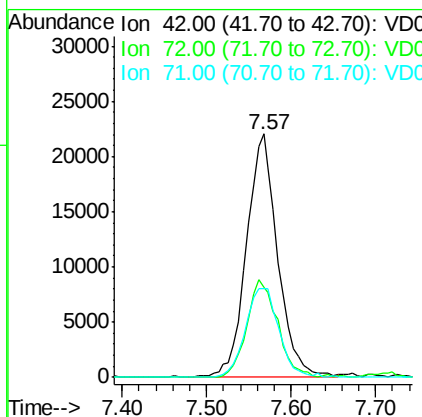
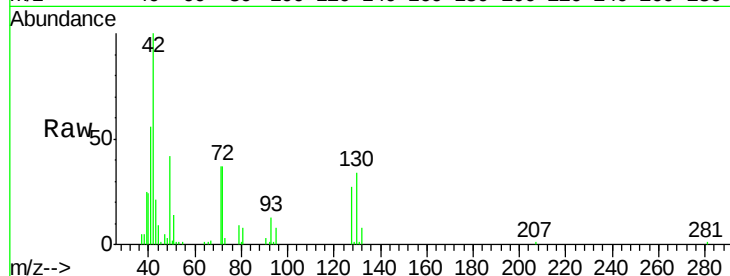




#29
Tetrahydrofuran
Concen: 108.786 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

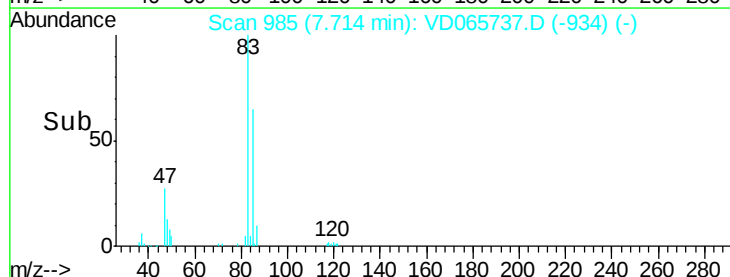
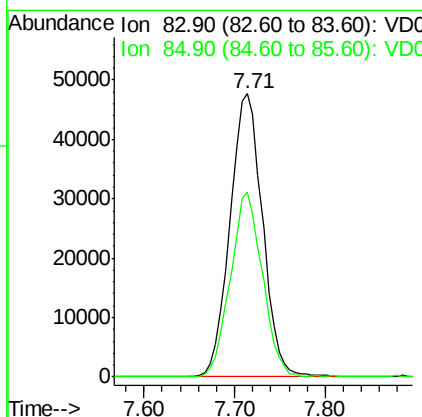
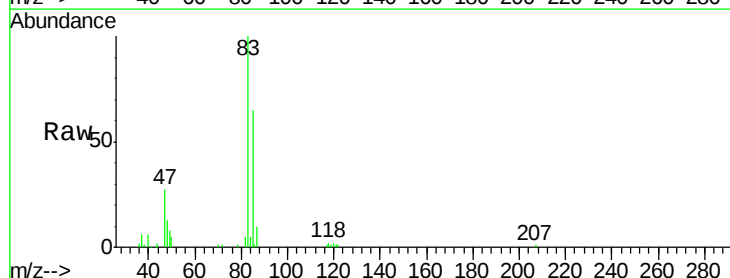
Instrument :
MSVOA_D
ClientSampleId :

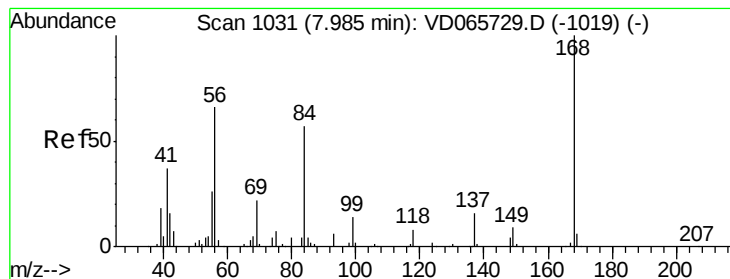
Tot Ion: 42 Resp: 56877
Ion Ratio Lower Upper
42 100
72 39.3 33.5 50.3
71 39.1 31.8 47.6



#30
Chloroform
Concen: 21.357 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Tgt Ion: 83 Resp: 119138
Ion Ratio Lower Upper
83 100
85 65.2 52.2 78.2





#31

Cyclohexane

Concen: 19.952 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

ClientSampled :

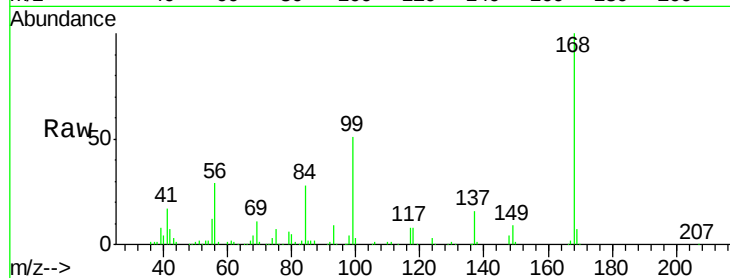
Tot Ion: 56 Resp: 111482

Ion Ratio Lower Upper

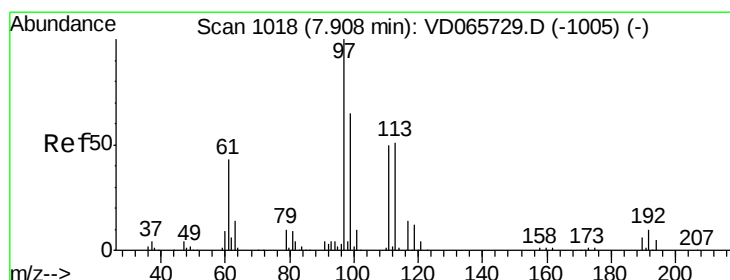
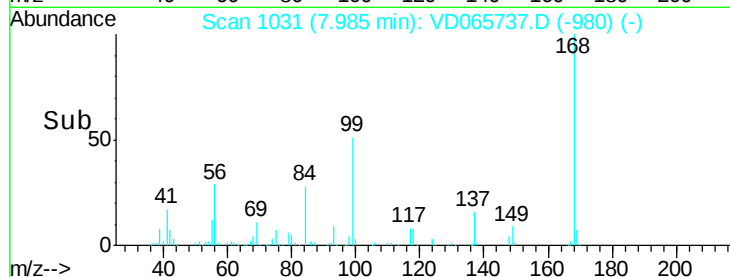
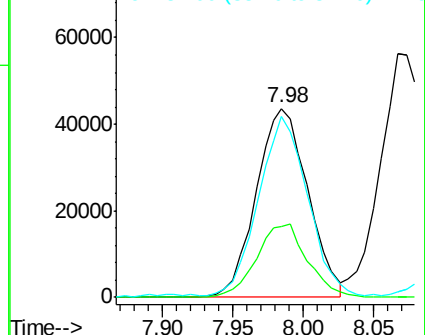
56 100

69 37.6 25.9 38.9

84 94.1 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: 20.683 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

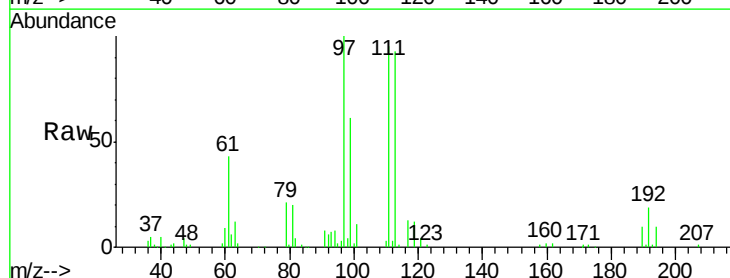
Tgt Ion: 97 Resp: 108081

Ion Ratio Lower Upper

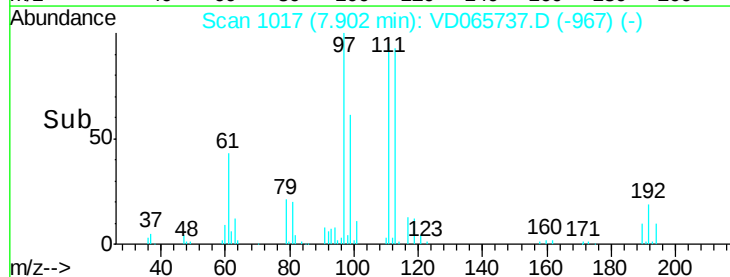
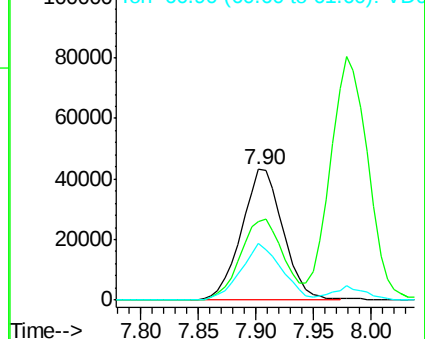
97 100

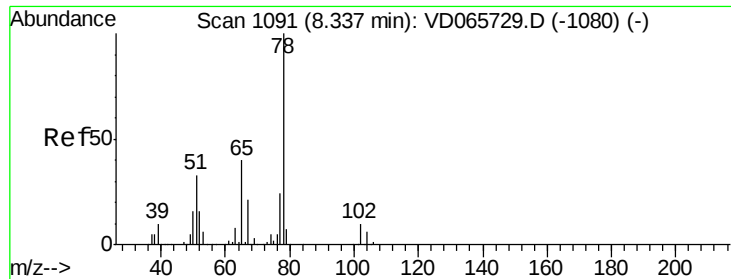
99 64.8 50.5 75.7

61 42.5 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

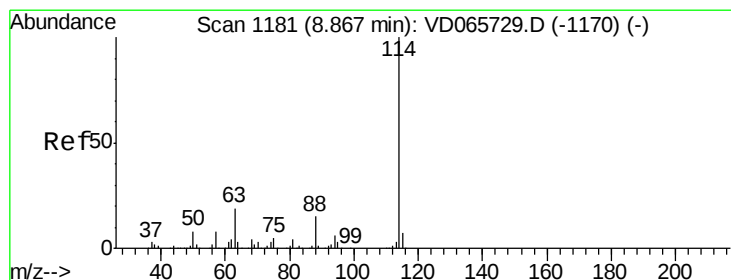
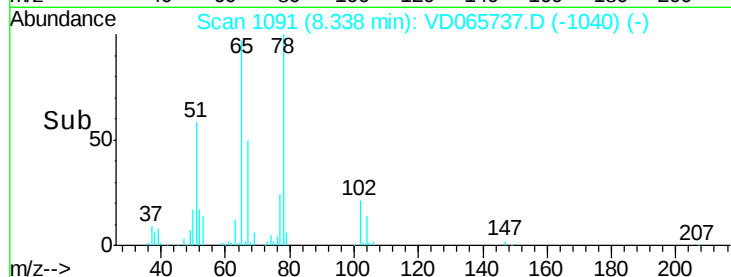
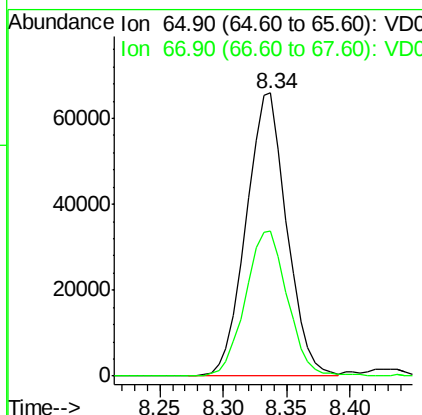
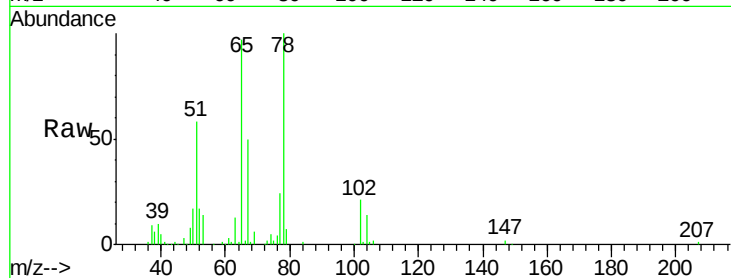




#33
 1,2-Dichloroethane-d4
 Concen: 52.222 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065737.D
 Acq: 14 May 2020 12:32

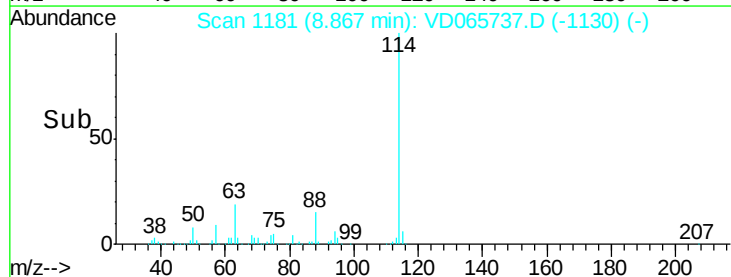
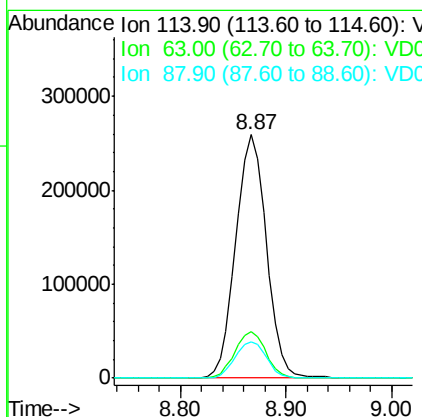
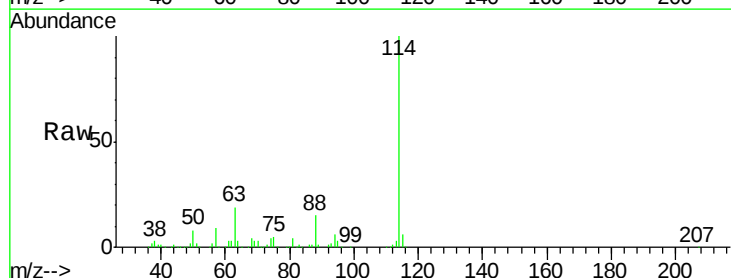
Instrument :
 MSVOA_D
 ClientSampleId :

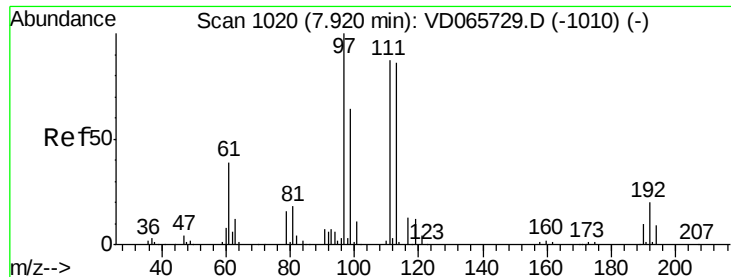
Tot Ion: 65 Resp: 146871
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065737.D
 Acq: 14 May 2020 12:32

Tgt Ion: 114 Resp: 523383
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.2
 88 14.8 0.0 30.2

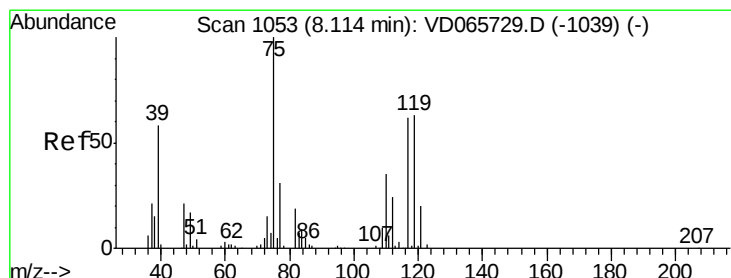
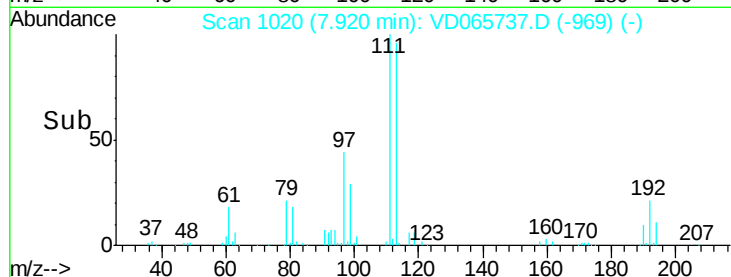
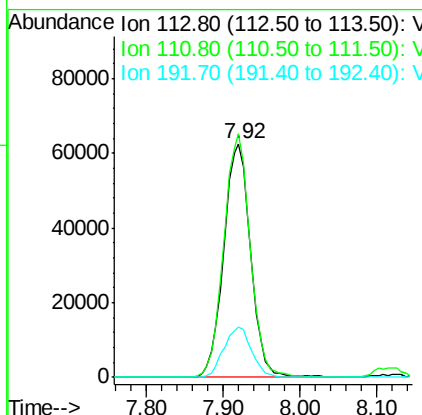
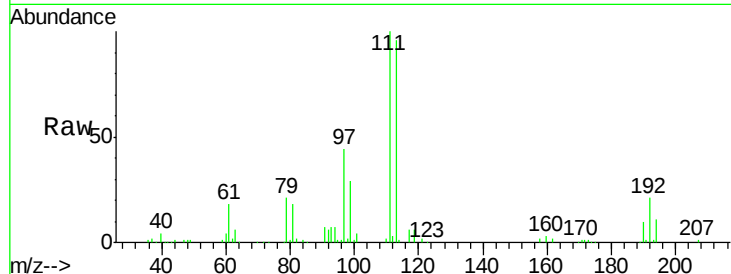




#35
 Dibromofluoromethane
 Concen: 51.277 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065737.D
 Acq: 14 May 2020 12:32

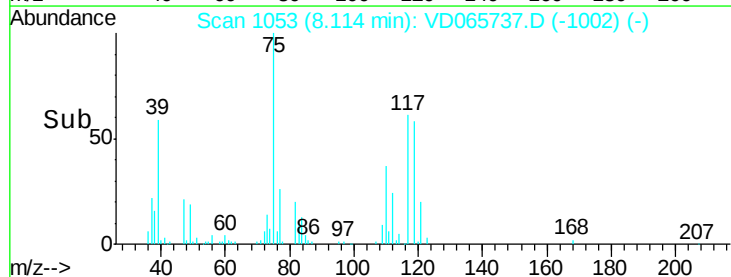
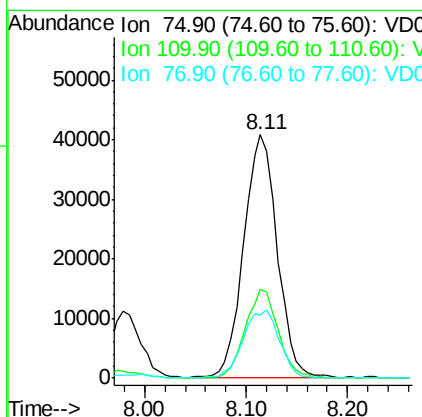
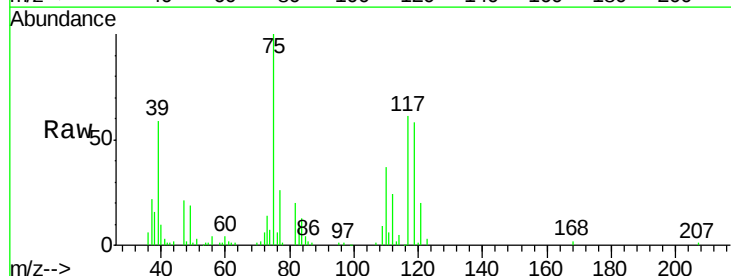
Instrument :
 MSVOA_D
 ClientSampleId :

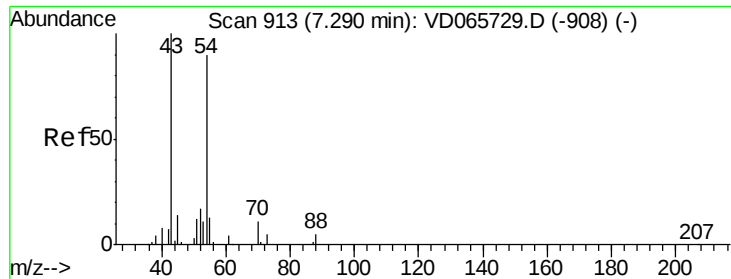
Tot Ion:113 Resp: 152043
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.1 121.7
 192 22.1 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 20.684 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065737.D
 Acq: 14 May 2020 12:32

Tgt Ion: 75 Resp: 94012
 Ion Ratio Lower Upper
 75 100
 110 35.8 18.4 55.2
 77 30.0 24.6 37.0

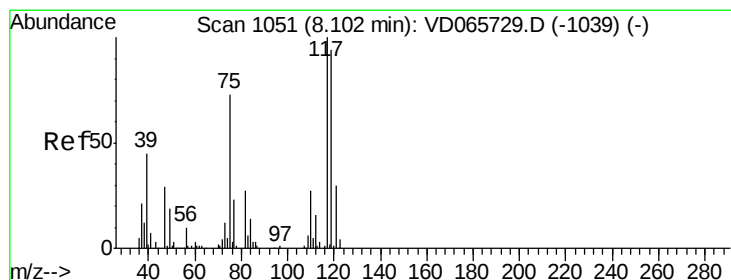
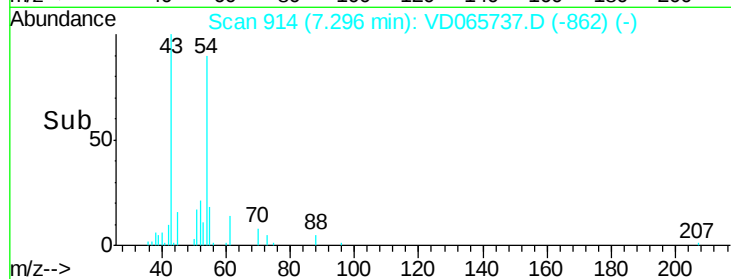
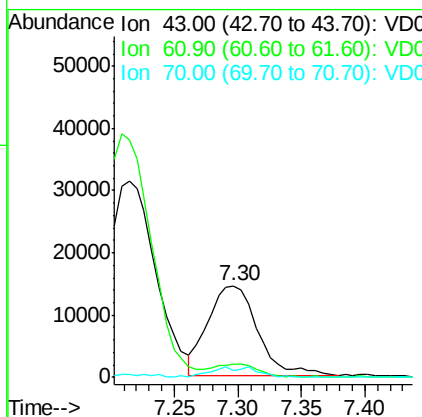
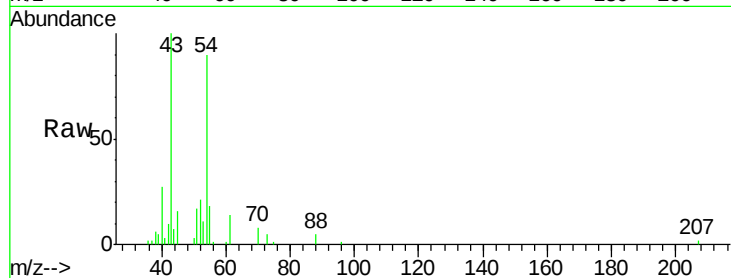




#37
Ethyl Acetate
Concen: 20.245 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

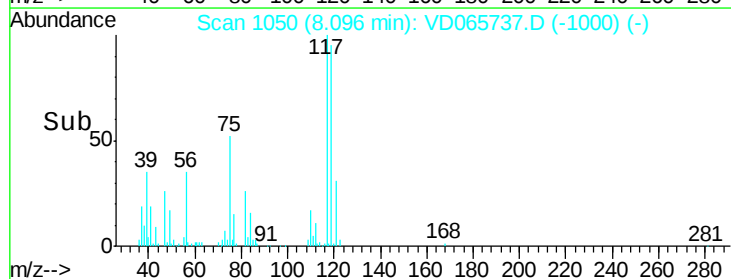
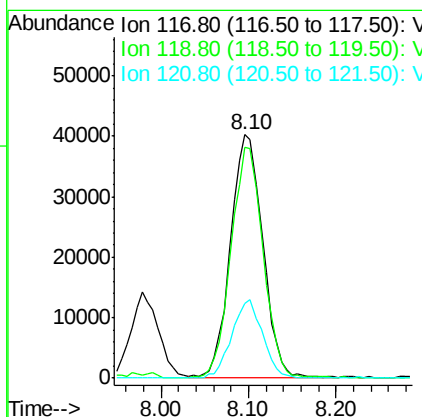
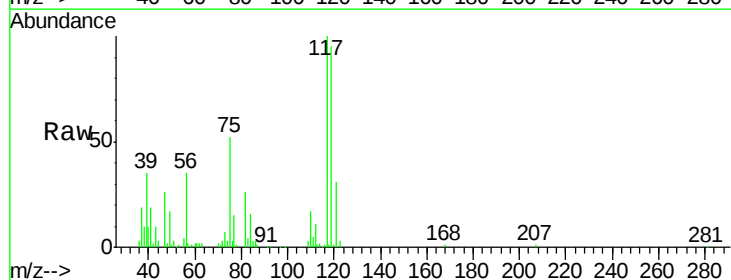
Instrument :
MSVOA_D
ClientSampleId :

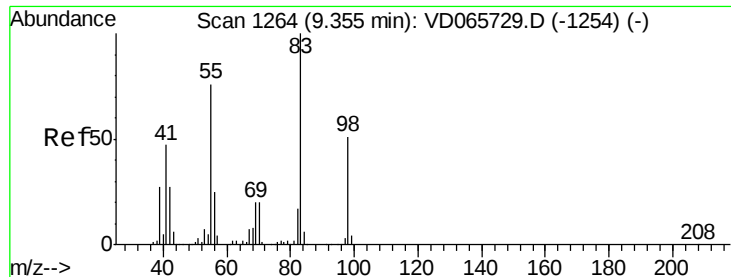
Tot Ion: 43 Resp: 39422
Ion Ratio Lower Upper
43 100
61 13.4 9.8 14.6
70 5.8 8.6 12.8#



#38
Carbon Tetrachloride
Concen: 21.012 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Tgt Ion: 117 Resp: 101299
Ion Ratio Lower Upper
117 100
119 94.6 75.6 113.4
121 30.6 24.4 36.6

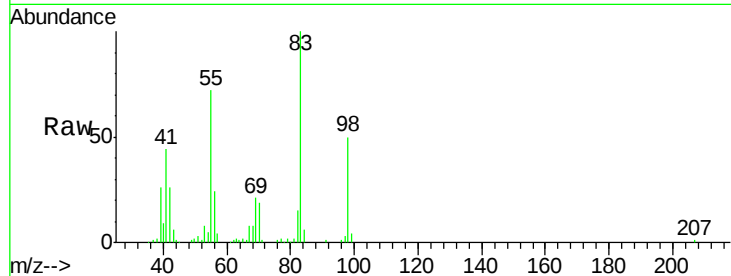




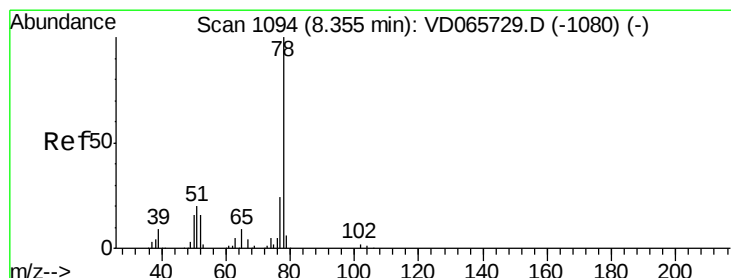
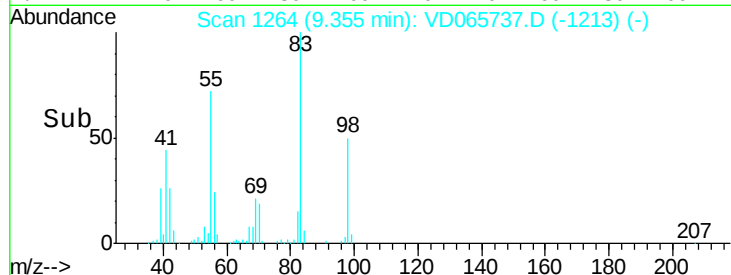
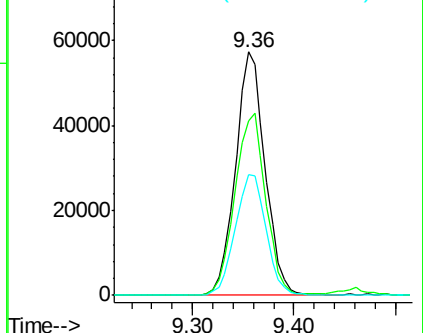
#39
Methvlcvclohexane
Concen: 19.923 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 116051
Ion Ratio Lower Upper
83 100
55 71.8 60.9 91.3
98 49.6 40.6 61.0

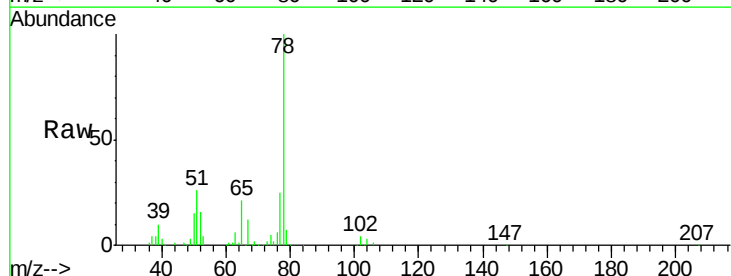


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

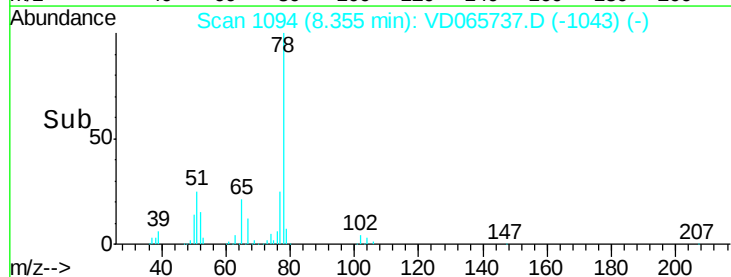
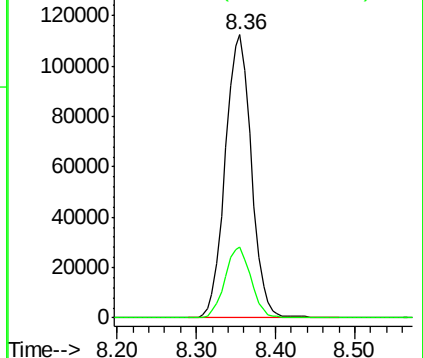


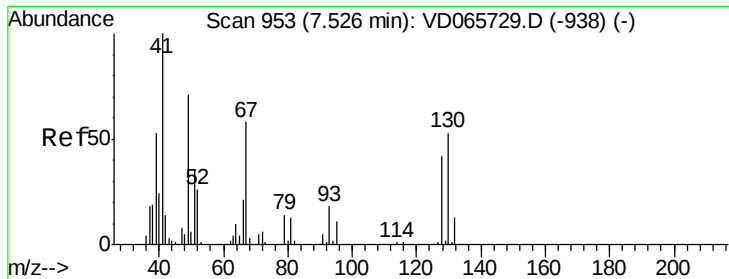
#40
Benzene
Concen: 20.490 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Tgt Ion: 78 Resp: 256097
Ion Ratio Lower Upper
78 100
77 25.1 19.1 28.7



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

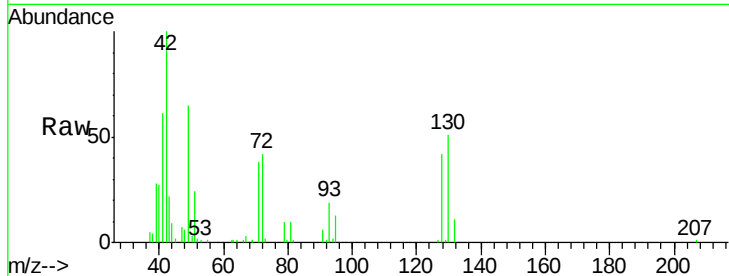




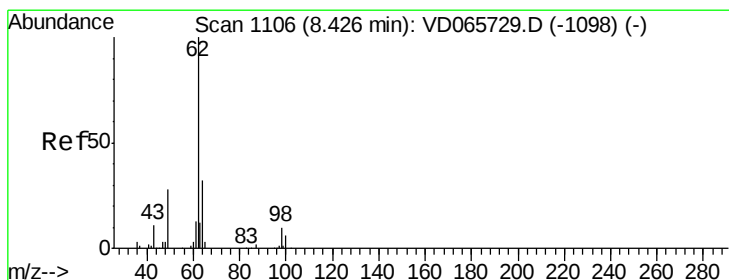
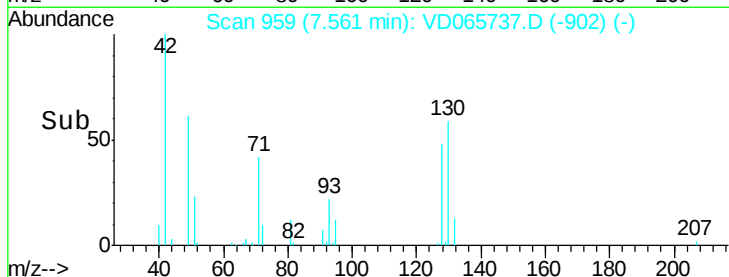
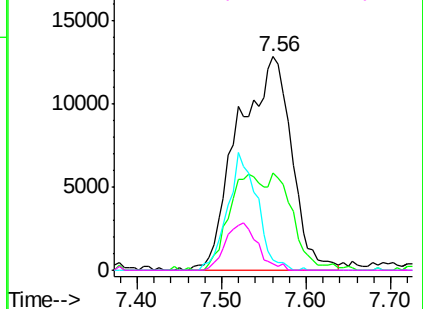
#41
Methacrylonitrile
Concen: 52.102 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.04 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 55874
Ion Ratio Lower Upper
41 100
39 0.0 56.8 85.2#
67 0.0 57.9 86.9#
52 0.0 25.9 38.9#

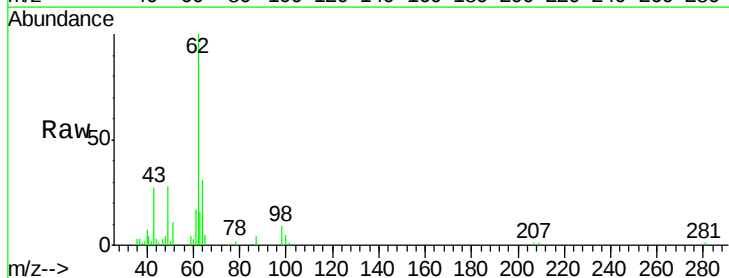


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

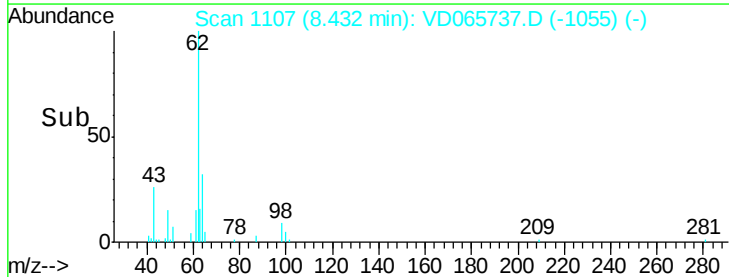
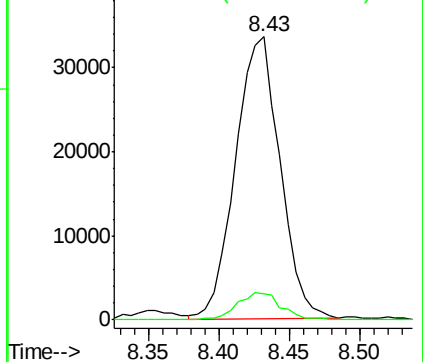


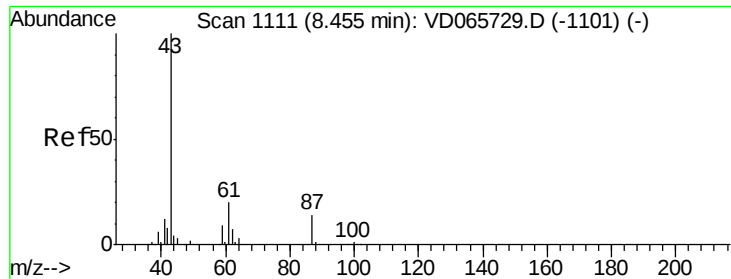
#42
1,2-Dichloroethane
Concen: 21.294 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Tgt Ion: 62 Resp: 74104
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 21.395 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :

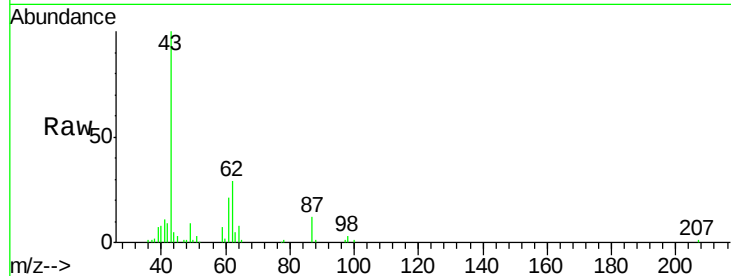
Tot Ion: 43 Resp: 82575

Ion Ratio Lower Upper

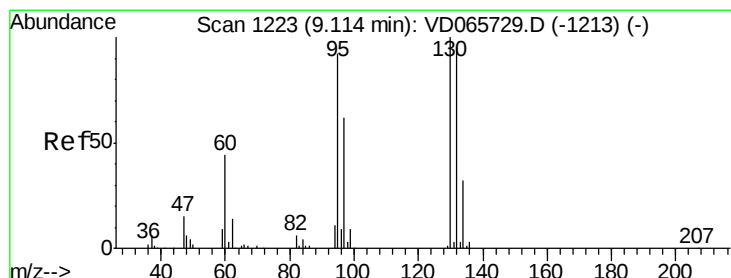
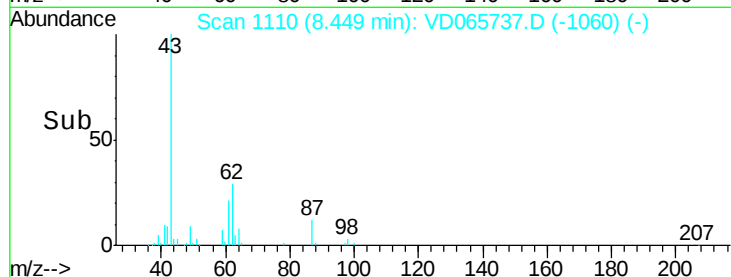
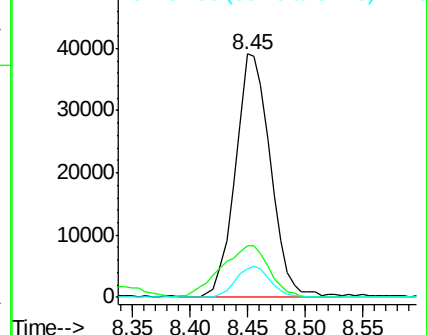
43 100

61 29.1 23.8 35.6

87 12.3 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.466 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065737.D

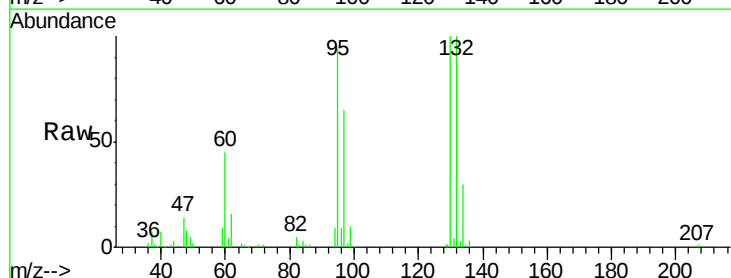
Acq: 14 May 2020 12:32

Tgt Ion:130 Resp: 76581

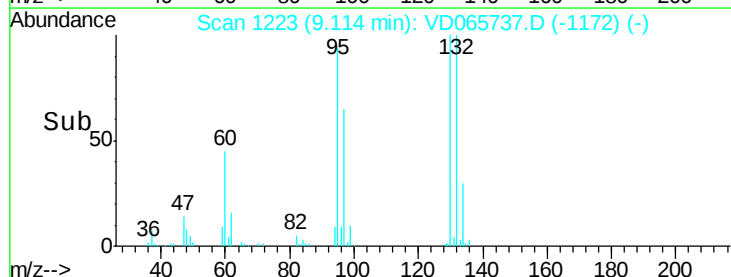
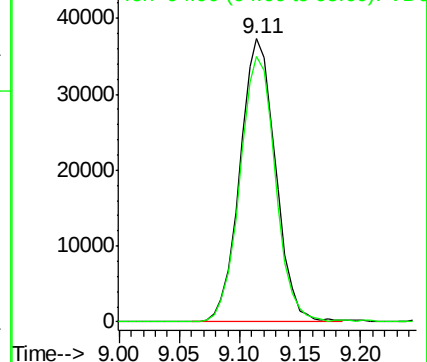
Ion Ratio Lower Upper

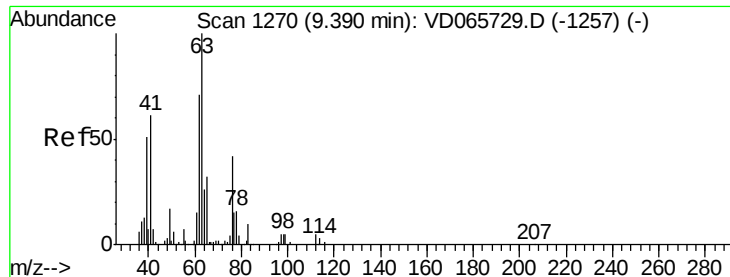
130 100

95 93.9 0.0 183.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.329 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

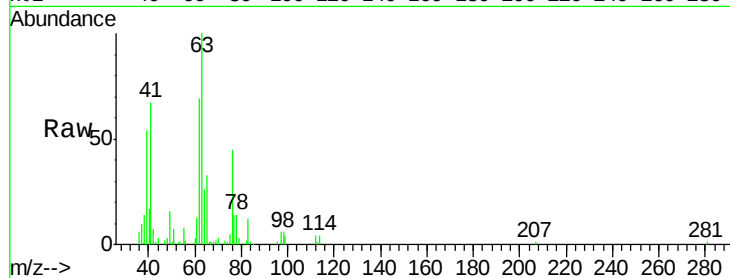
ClientSampleId :

Tot Ion: 63 Resp: 65728

Ion Ratio Lower Upper

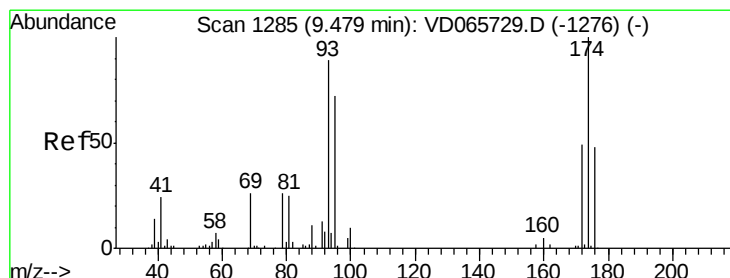
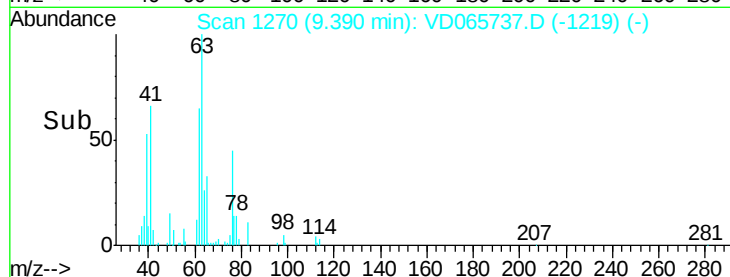
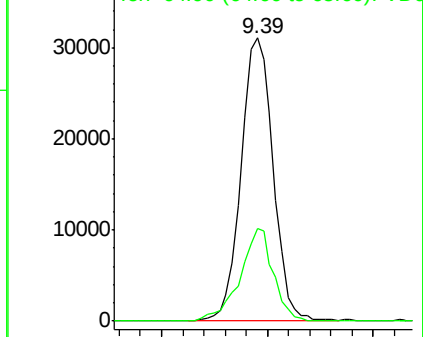
63 100

65 32.6 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.418 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

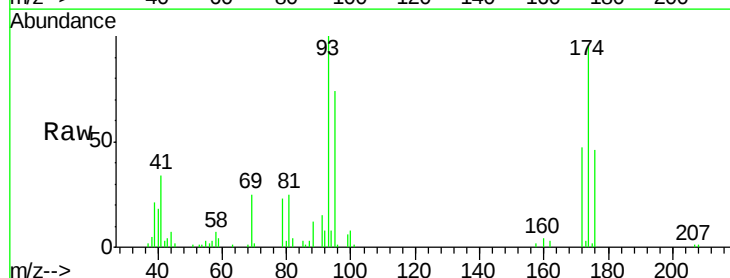
Tgt Ion: 93 Resp: 35589

Ion Ratio Lower Upper

93 100

95 79.8 65.4 98.2

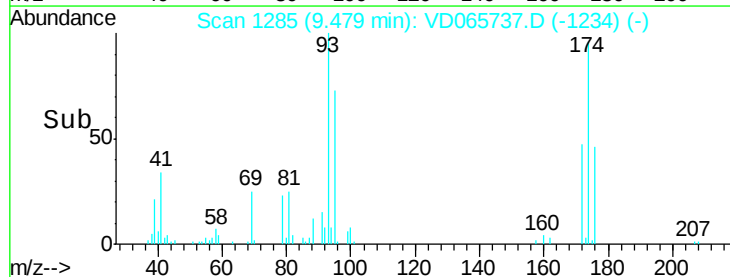
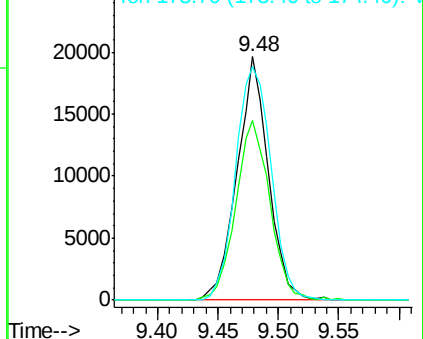
174 109.0 89.9 134.9

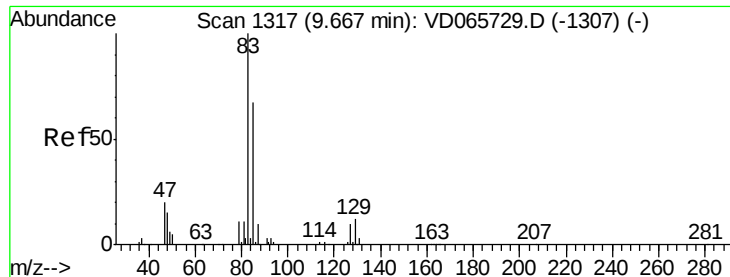


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.635 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :

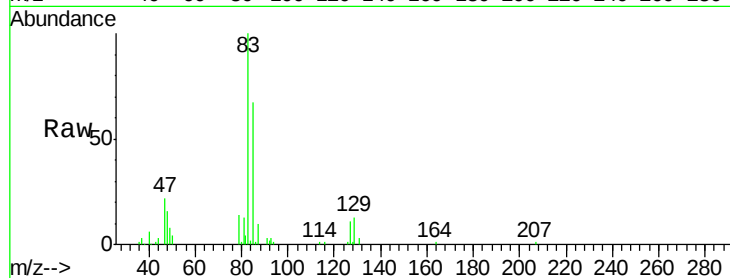
Tot Ion: 83 Resp: 89752

Ion Ratio Lower Upper

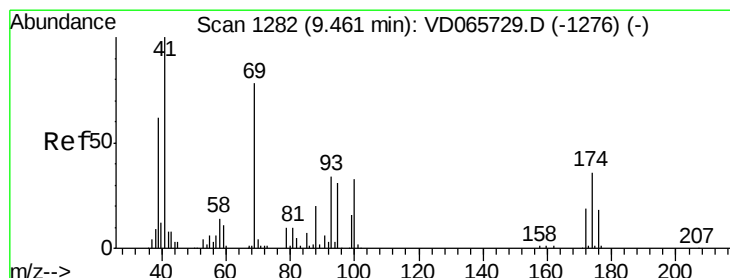
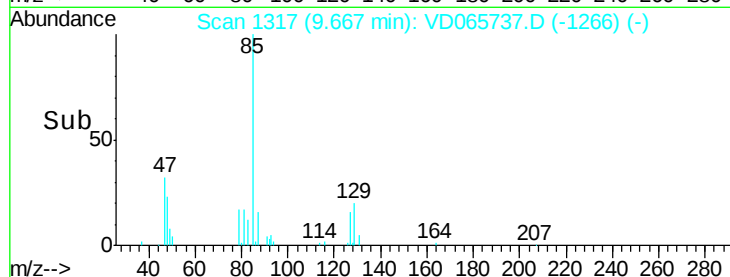
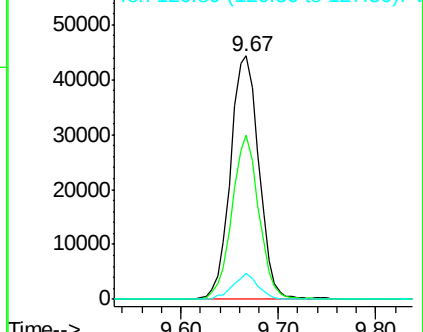
83 100

85 67.2 53.6 80.4

127 10.5 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: 20.129 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

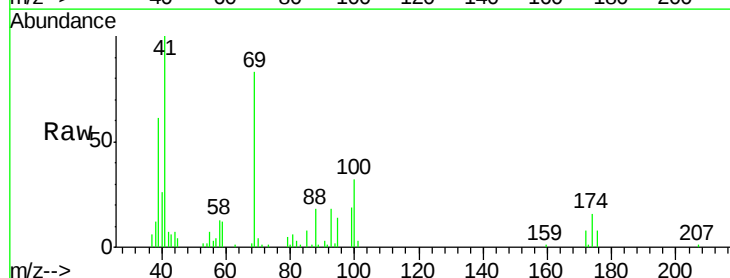
Tgt Ion: 41 Resp: 36466

Ion Ratio Lower Upper

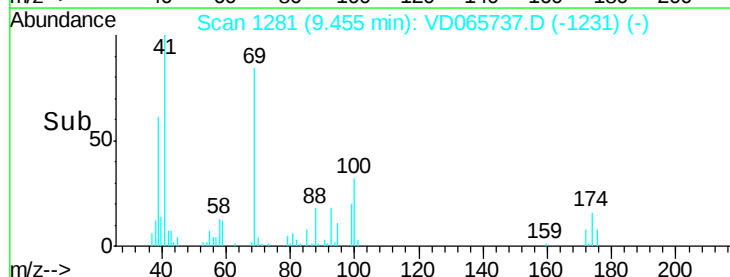
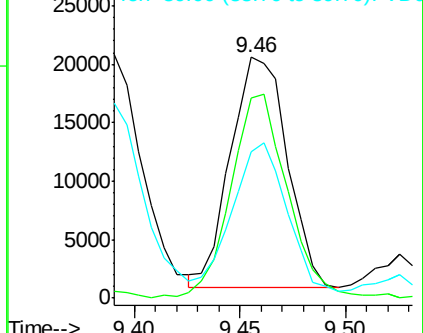
41 100

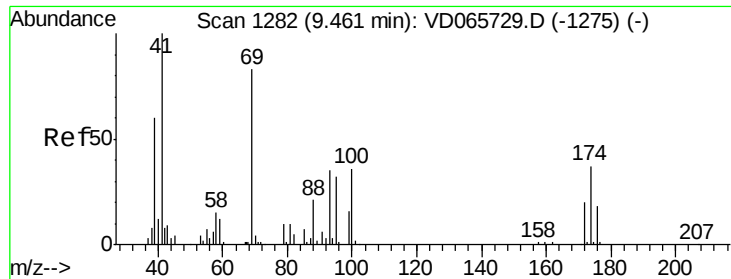
69 89.8 64.4 96.6

39 61.6 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

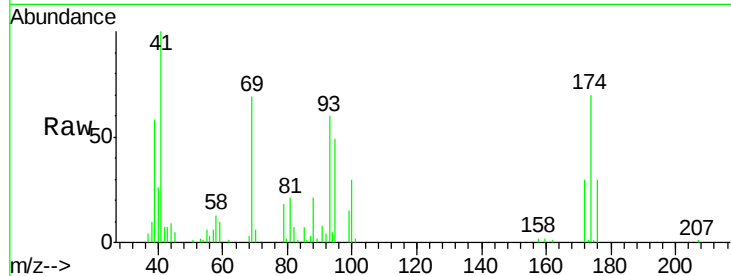




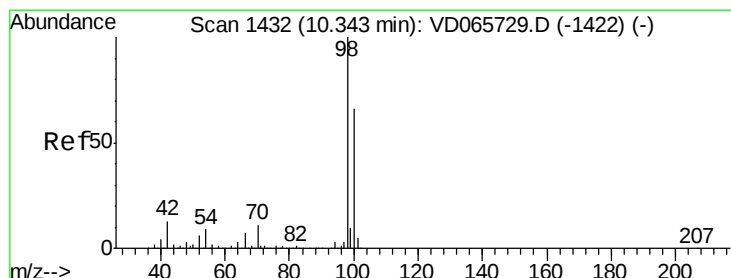
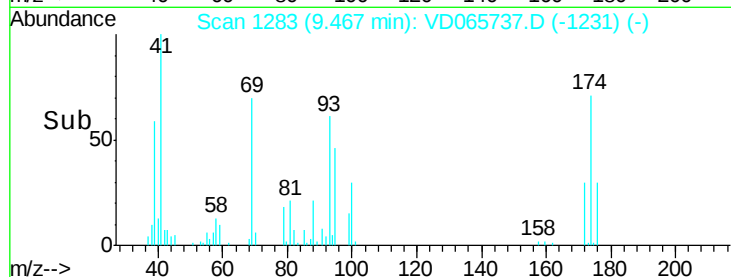
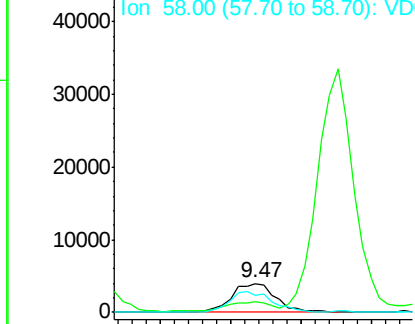
#49
1,4-Dioxane
Concen: 438.488 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 8597
Ion Ratio Lower Upper
88 100
43 41.7 29.4 44.0
58 69.8 55.1 82.7

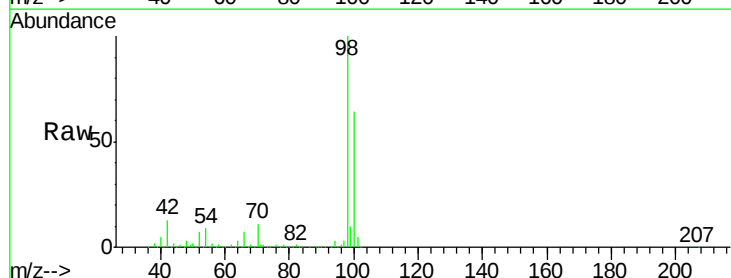


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

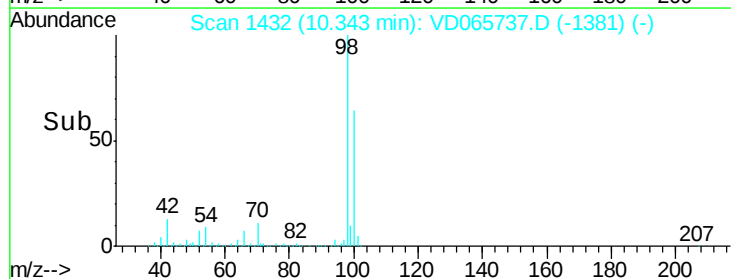
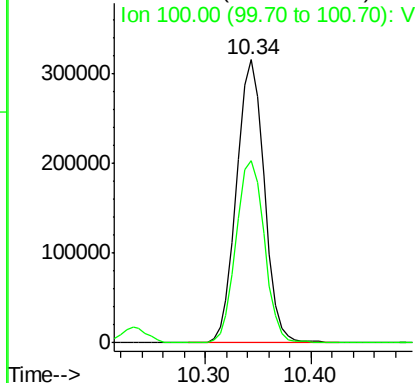


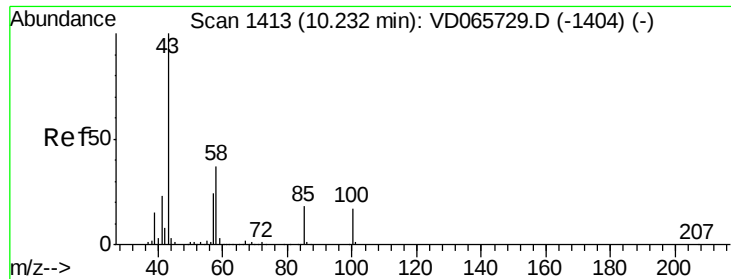
#50
Toluene-d8
Concen: 50.949 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Tgt Ion: 98 Resp: 575144
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: 104.528 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

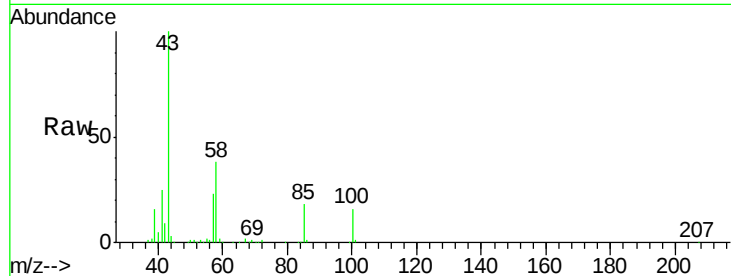
ClientSampled :

Tot Ion: 43 Resp: 193059

Ion Ratio Lower Upper

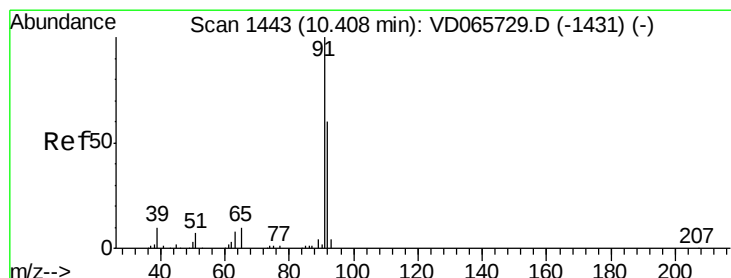
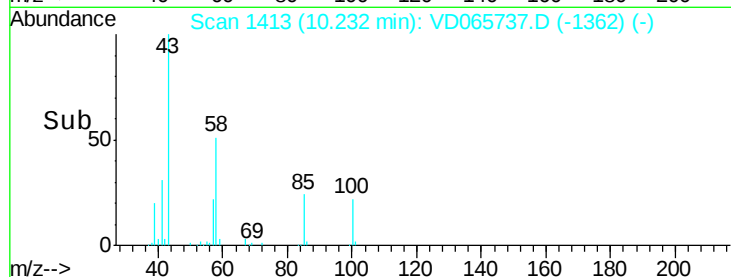
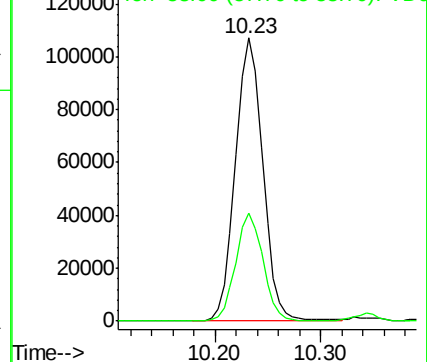
43 100

58 37.5 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.833 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065737.D

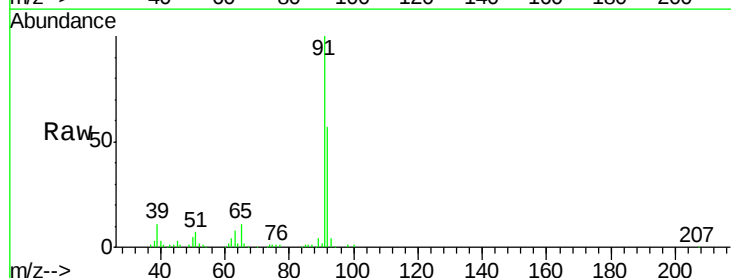
Acq: 14 May 2020 12:32

Tgt Ion: 92 Resp: 170586

Ion Ratio Lower Upper

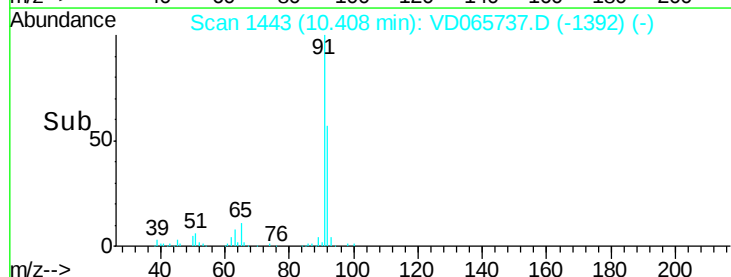
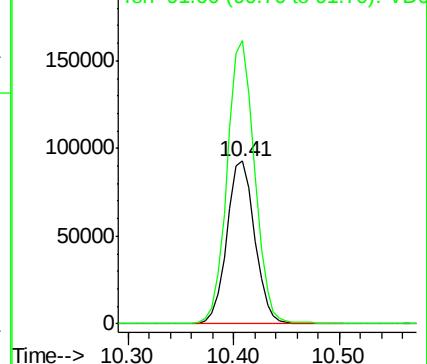
92 100

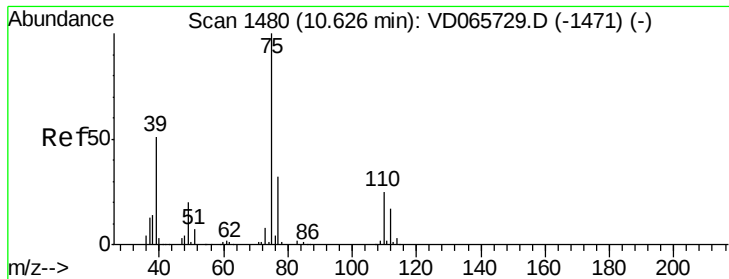
91 171.0 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

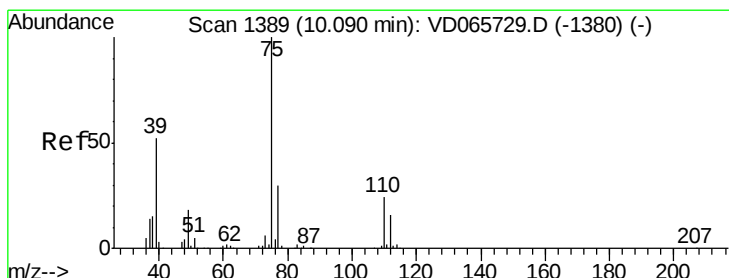
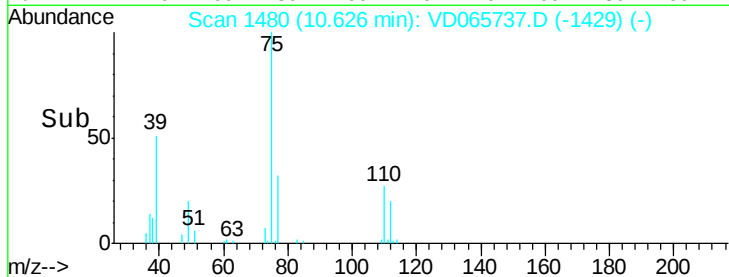
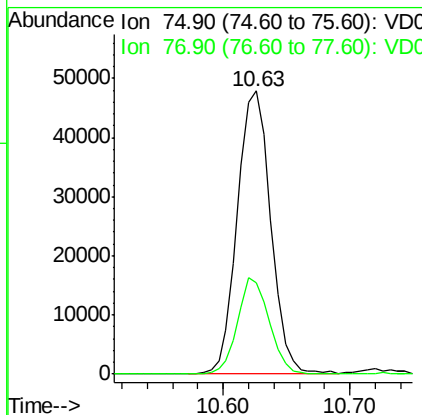
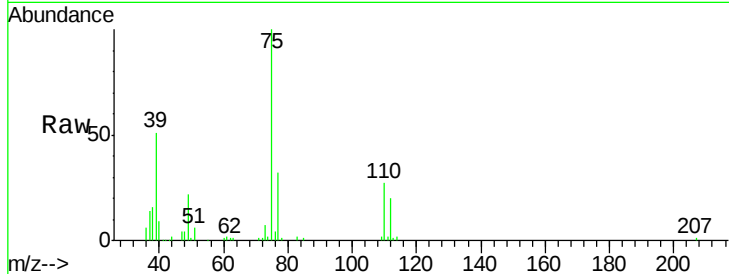




#53
t-1,3-Dichloropropene
Concen: 20.657 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

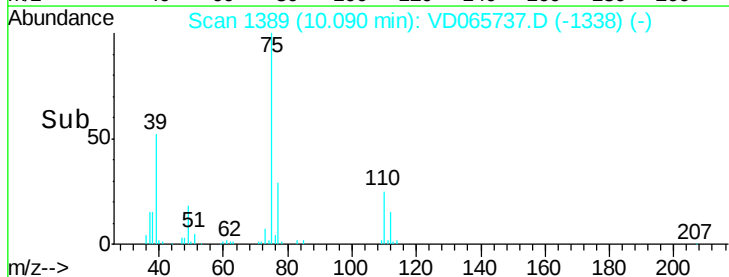
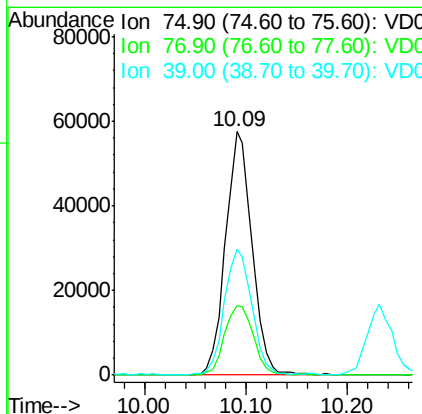
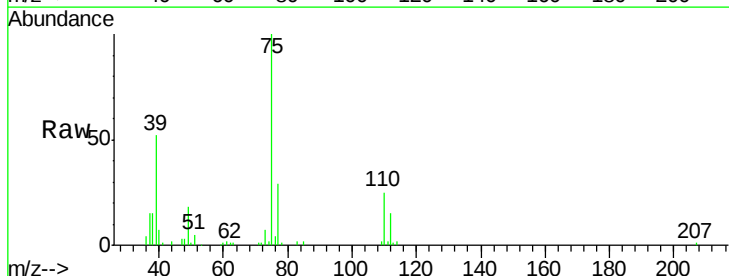
Instrument :
MSVOA_D
ClientSampleId :

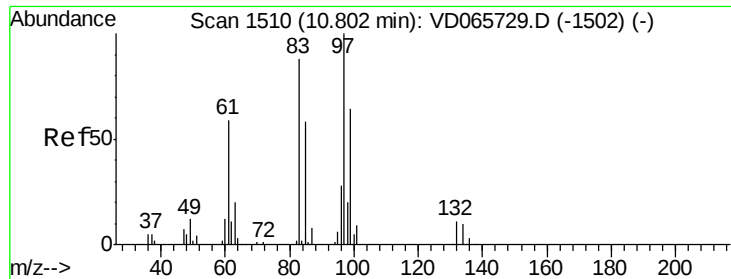
Tot Ion: 75 Resp: 87772
Ion Ratio Lower Upper
75 100
77 32.5 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 20.616 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Tgt Ion: 75 Resp: 104196
Ion Ratio Lower Upper
75 100
77 28.5 23.8 35.6
39 51.5 41.9 62.9

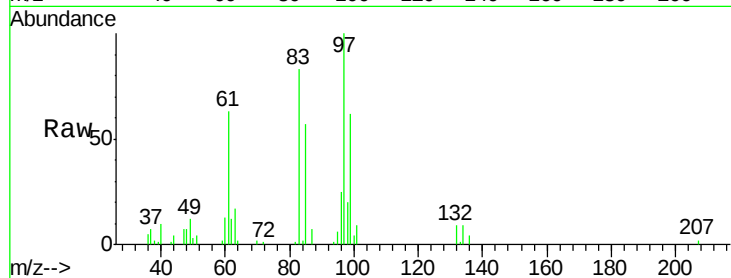




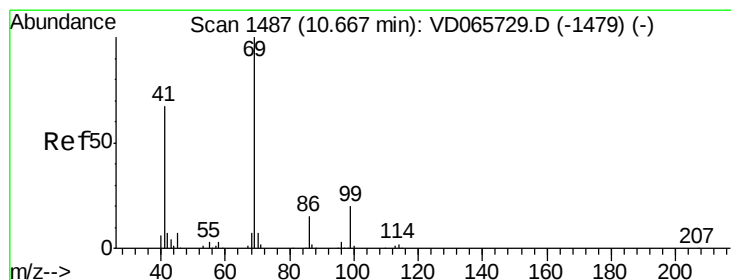
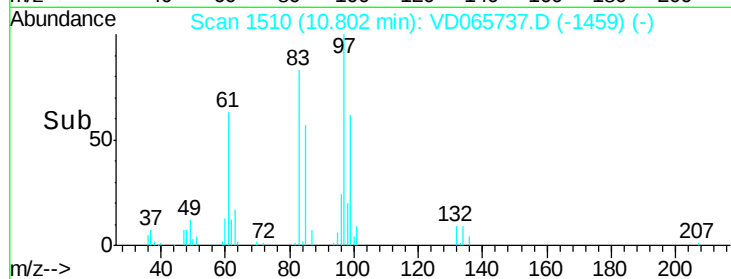
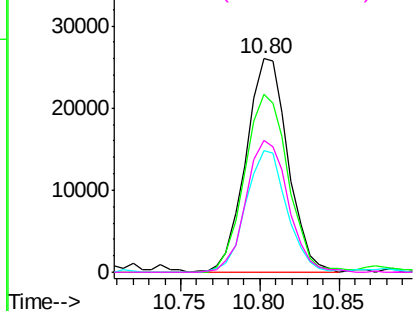
#55
 1,1,2-Trichloroethane
 Concen: 21.261 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065737.D
 Acq: 14 May 2020 12:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 48127
 Ion Ratio Lower Upper
 97 100
 83 83.3 70.7 106.1
 85 56.8 46.8 70.2
 99 62.0 50.9 76.3

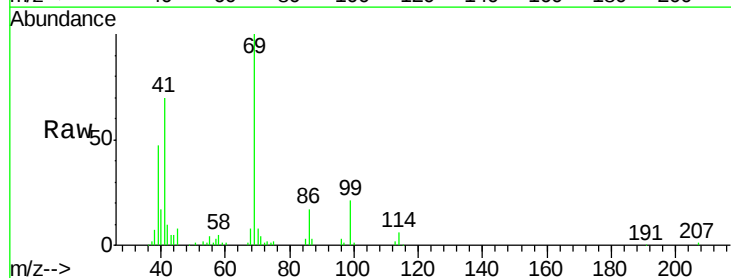


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

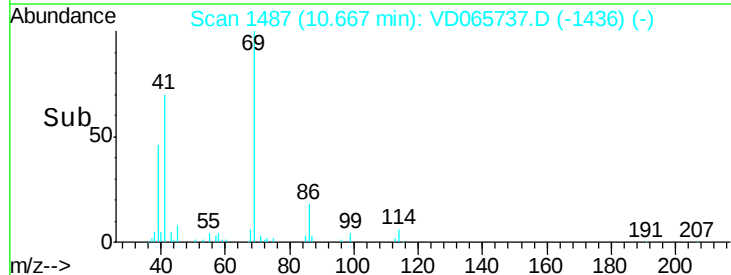
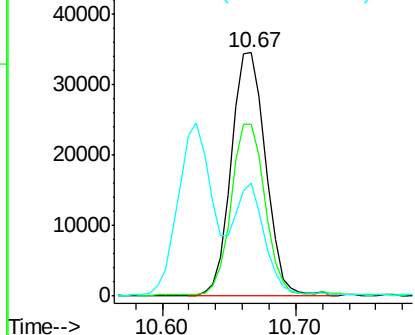


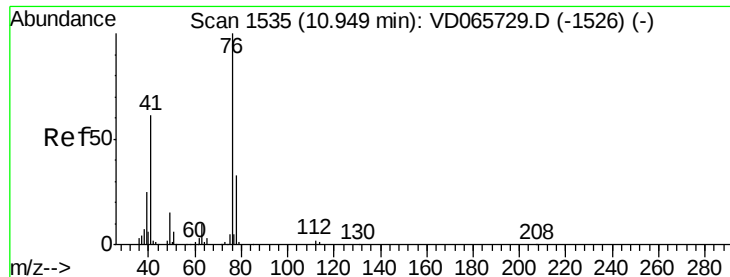
#56
 Ethyl methacrylate
 Concen: 21.124 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065737.D
 Acq: 14 May 2020 12:32

Tgt Ion: 69 Resp: 62322
 Ion Ratio Lower Upper
 69 100
 41 68.4 55.7 83.5
 39 39.3 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: 21.204 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

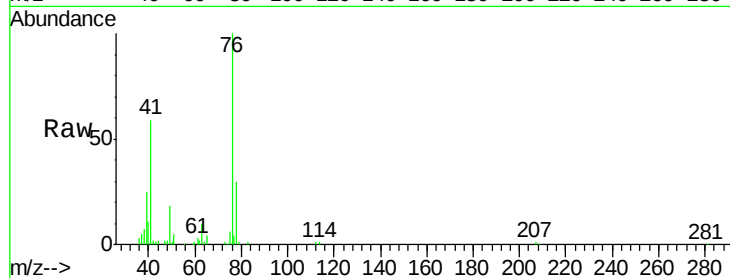
ClientSampleId :

Tot Ion: 76 Resp: 83485

Ion Ratio Lower Upper

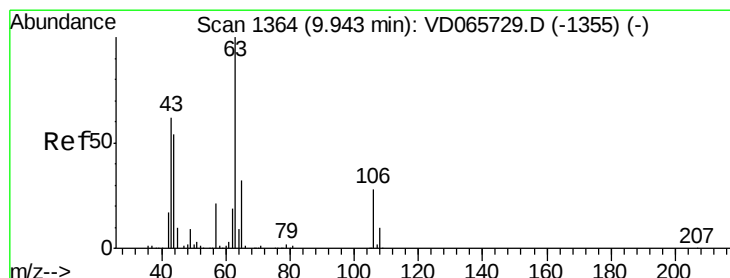
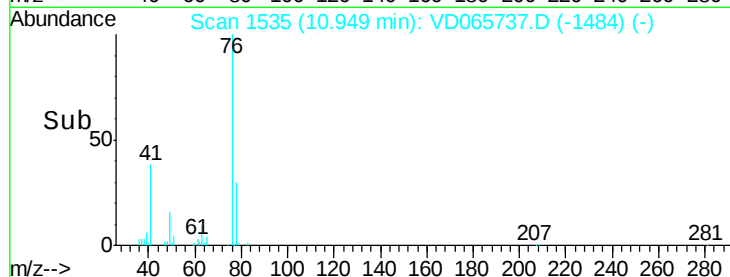
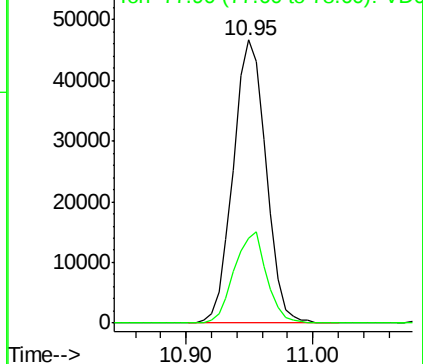
76 100

78 31.6 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: 104.863 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065737.D

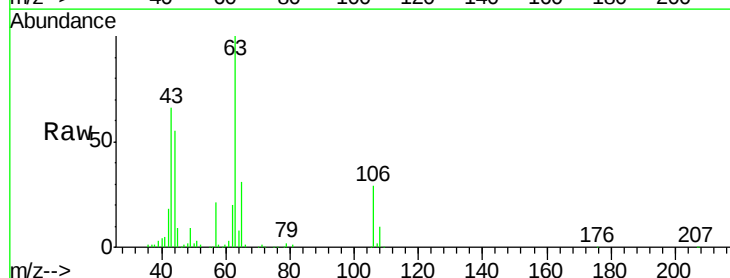
Acq: 14 May 2020 12:32

Tgt Ion: 63 Resp: 143935

Ion Ratio Lower Upper

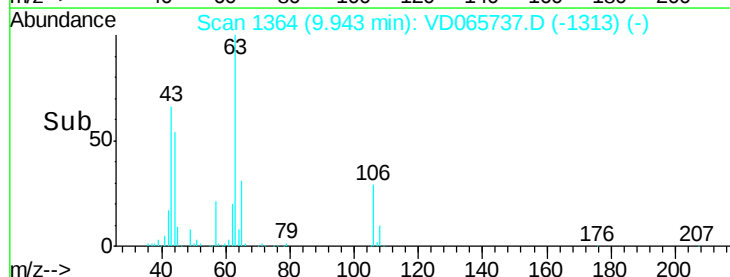
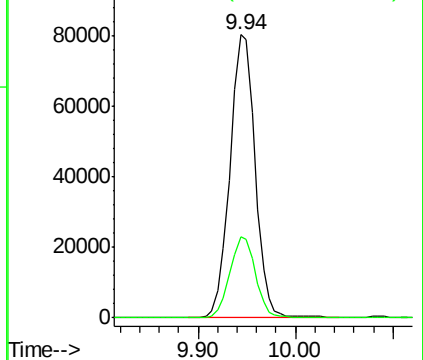
63 100

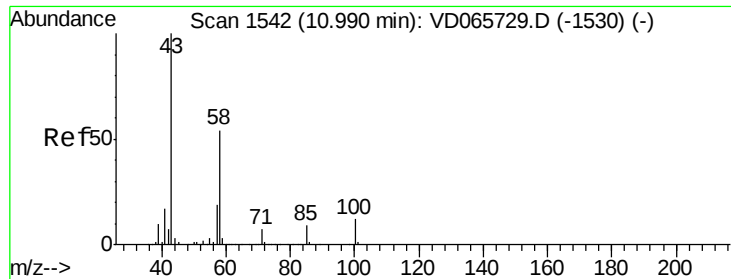
106 29.1 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

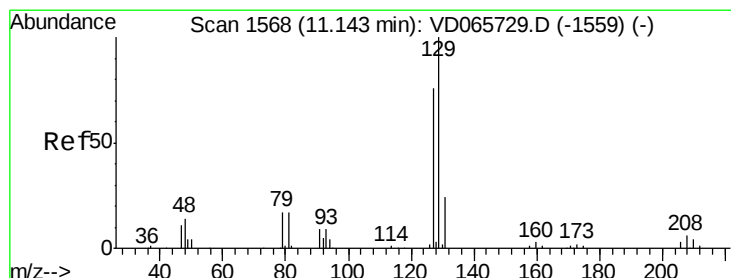
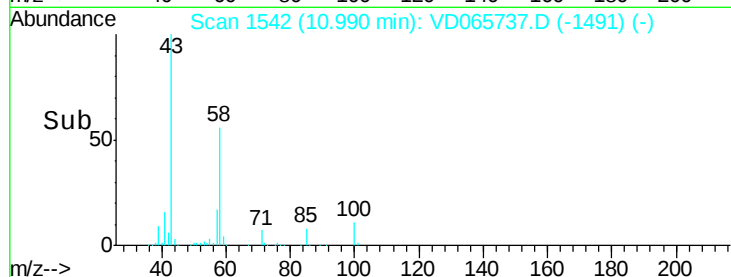
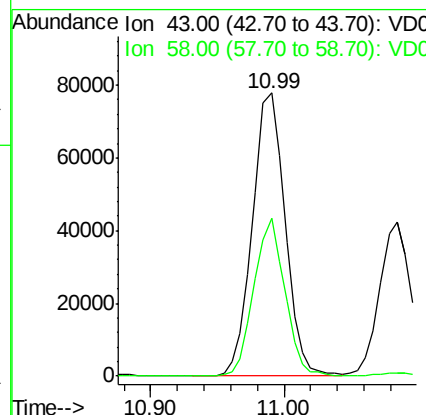
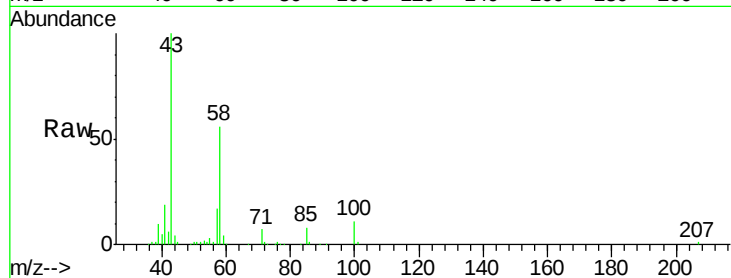




#59
2-Hexanone
Concen: 105.143 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

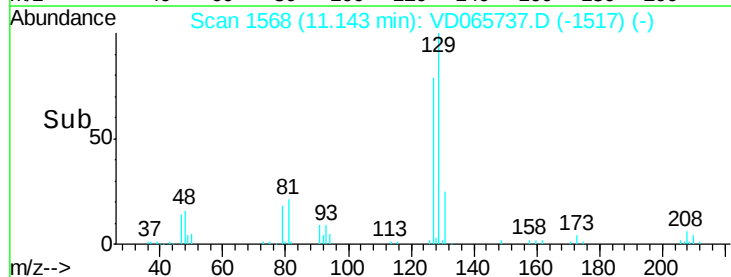
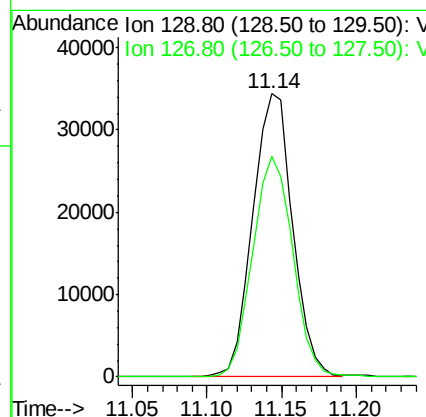
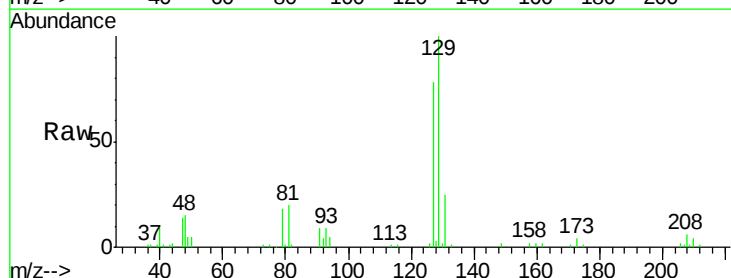
Instrument :
MSVOA_D
ClientSampleId :

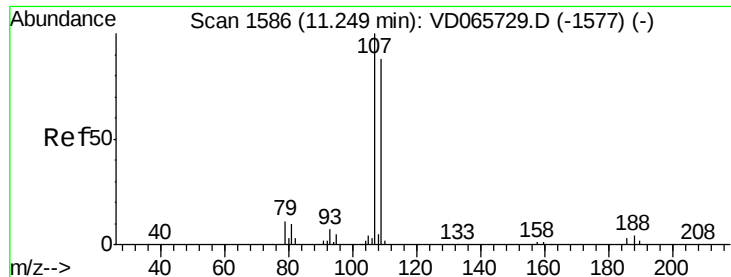
Tot Ion: 43 Resp: 132241
Ion Ratio Lower Upper
43 100
58 52.6 26.7 80.1



#60
Dibromochloromethane
Concen: 20.947 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Tgt Ion: 129 Resp: 63498
Ion Ratio Lower Upper
129 100
127 78.6 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.691 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

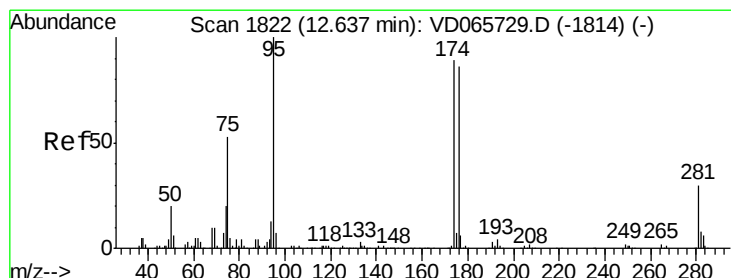
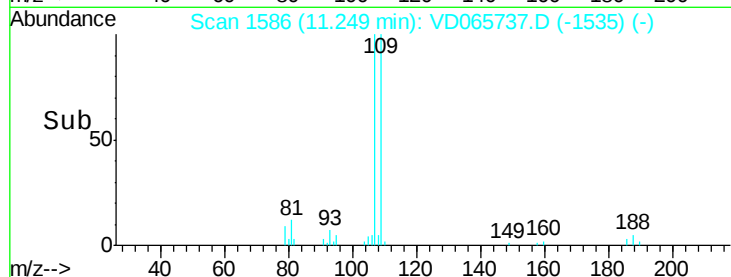
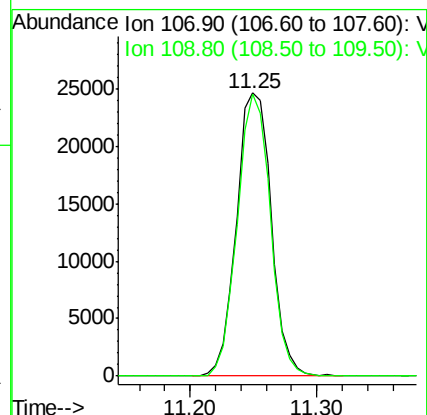
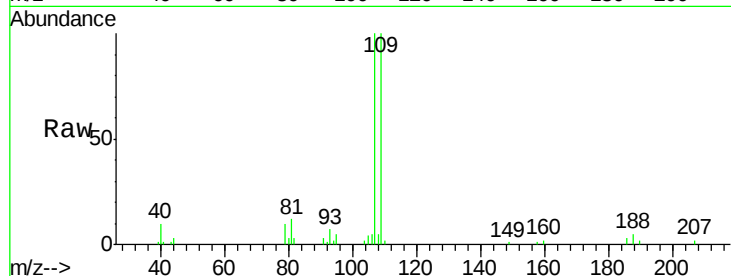
ClientSampled :

Tot Ion:107 Resp: 46778

Ion Ratio Lower Upper

107 100

109 94.3 74.4 111.6



#62

4-Bromofluorobenzene

Concen: 52.060 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

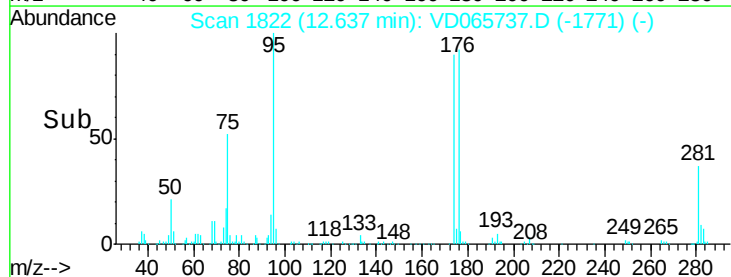
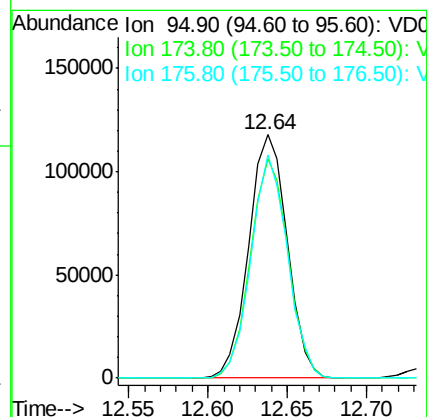
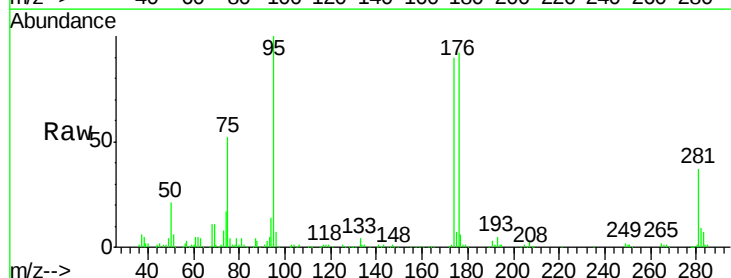
Tgt Ion: 95 Resp: 199025

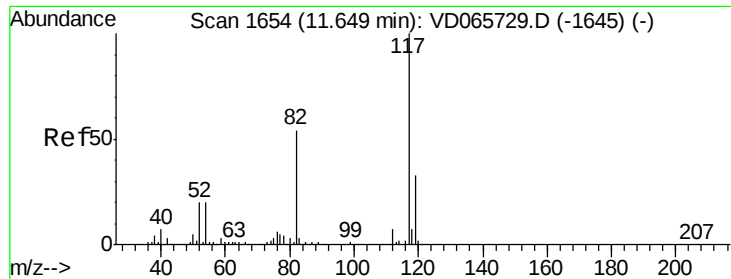
Ion Ratio Lower Upper

95 100

174 88.5 0.0 179.4

176 87.0 0.0 174.0

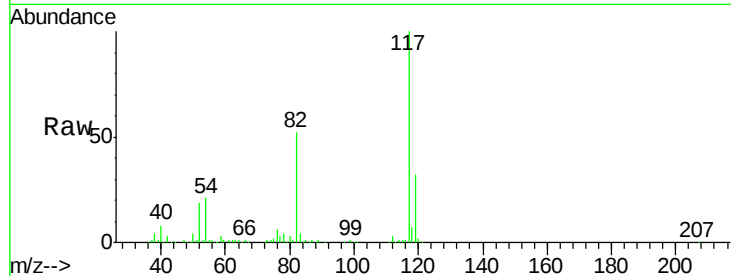




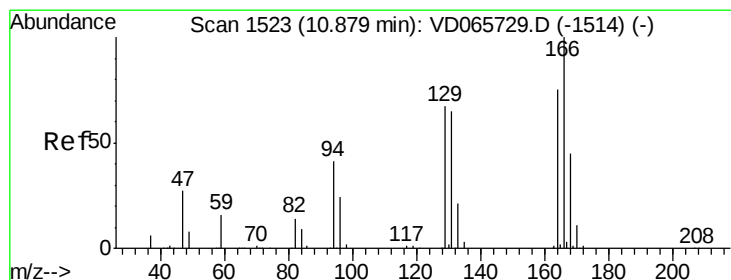
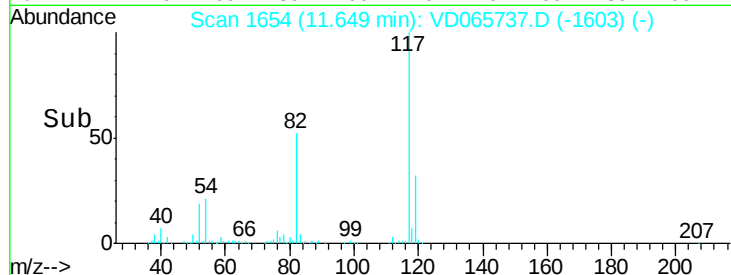
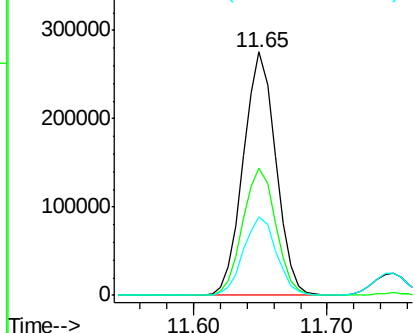
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 464642
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.6
119 32.0 26.6 40.0

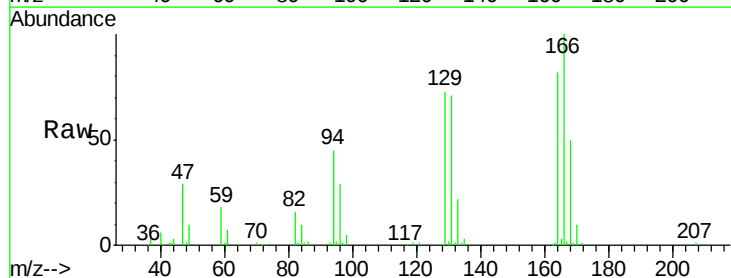


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

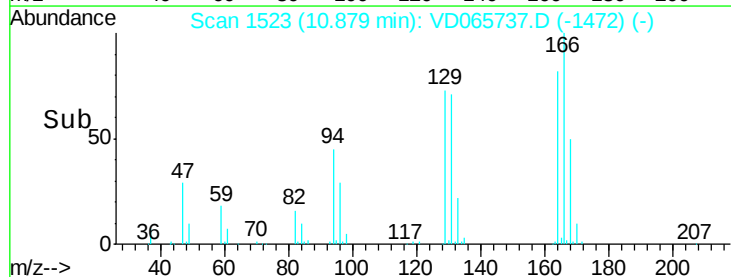
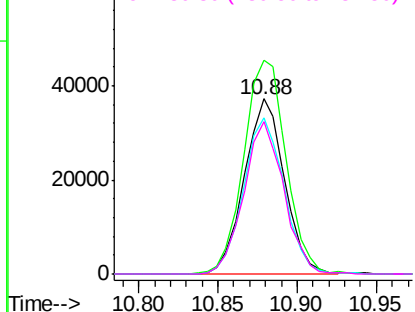


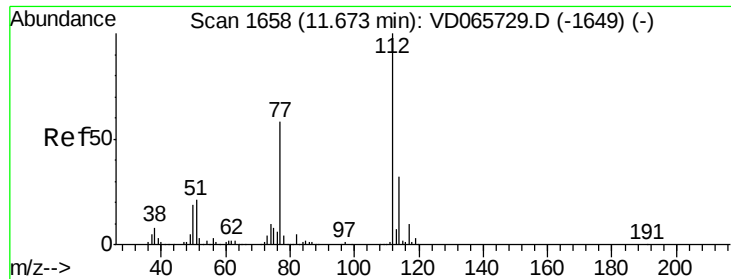
#64
Tetrachloroethene
Concen: 20.369 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Tgt Ion:164 Resp: 65445
Ion Ratio Lower Upper
164 100
166 121.8 106.6 159.8
129 89.4 71.4 107.2
131 86.8 69.4 104.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

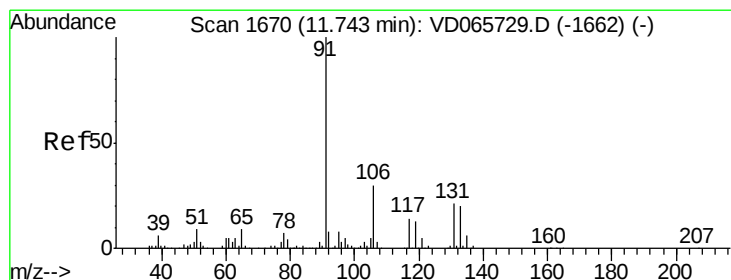
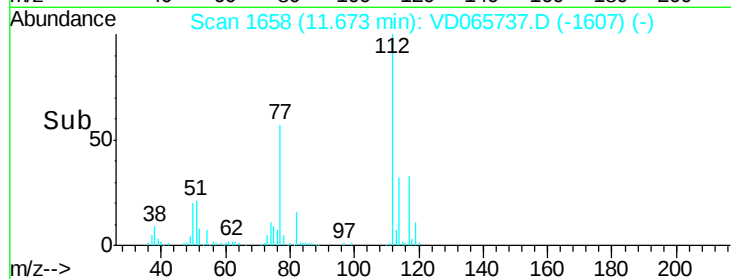
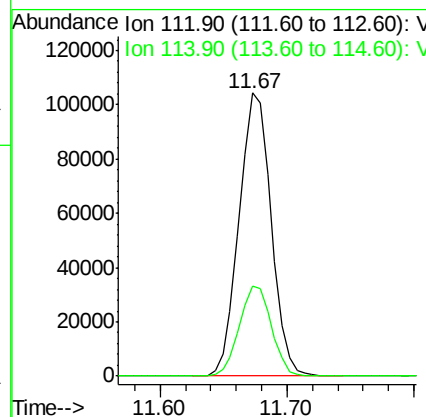
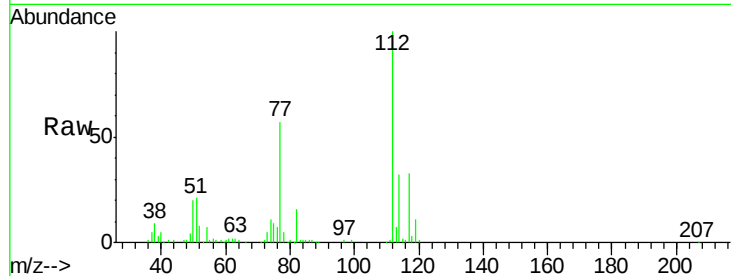




#65
Chlorobenzene
Concen: 20.922 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

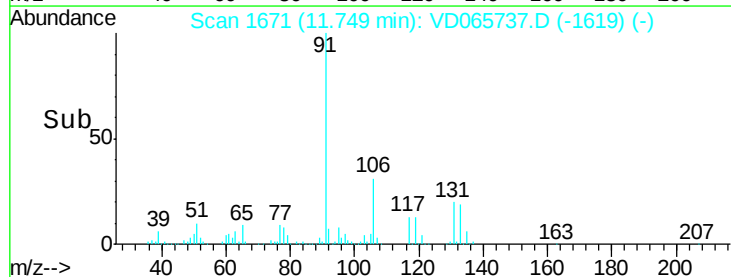
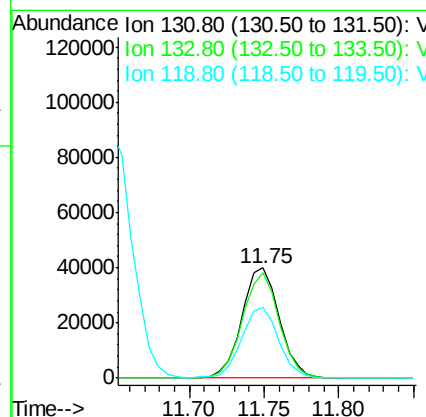
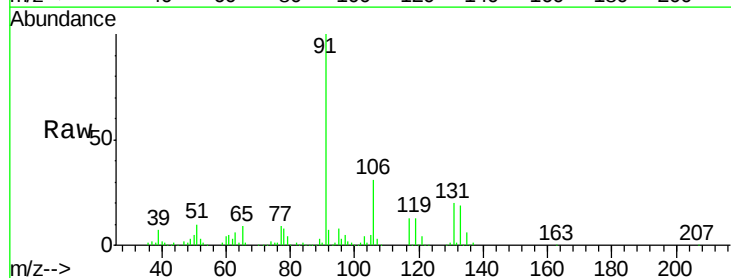
Instrument :
MSVOA_D
ClientSampleId :

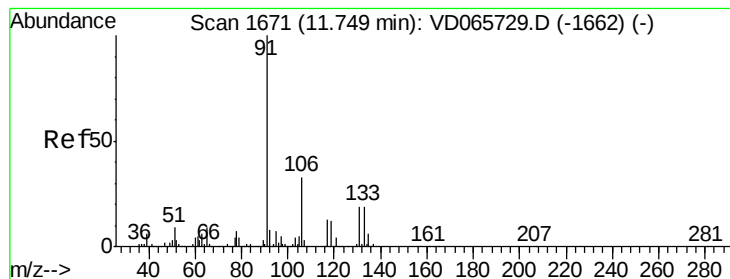
Tot Ion:112 Resp: 183191
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.228 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Tgt Ion:131 Resp: 69588
Ion Ratio Lower Upper
131 100
133 94.1 47.6 142.8
119 64.0 31.6 95.0





#67

Ethyl Benzene

Concen: 21.022 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

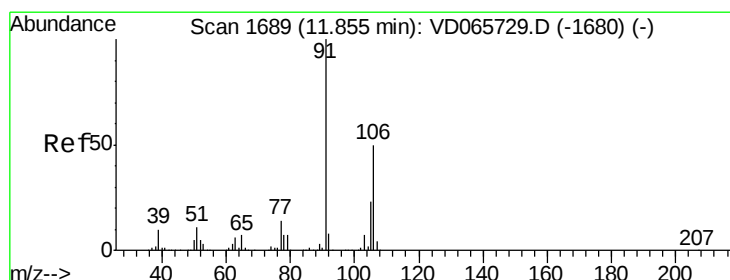
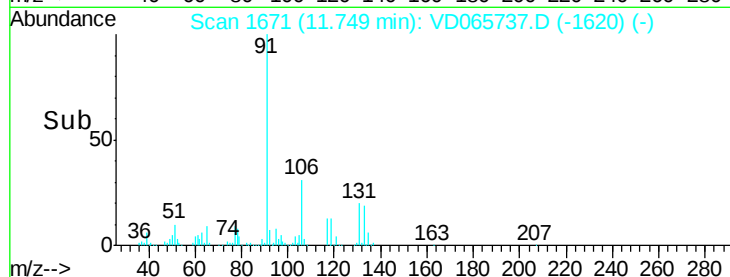
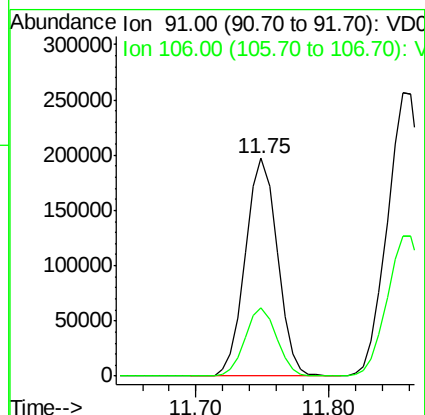
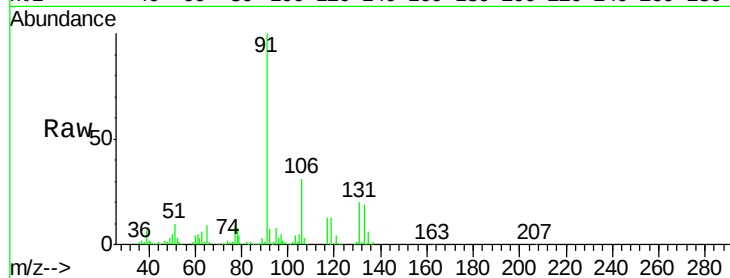
ClientSampled :

Tot Ion: 91 Resp: 328198

Ion Ratio Lower Upper

91 100

106 31.2 26.6 40.0



#68

m/p-Xylenes

Concen: 42.058 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065737.D

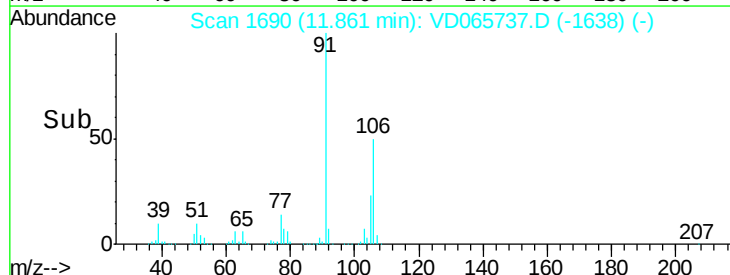
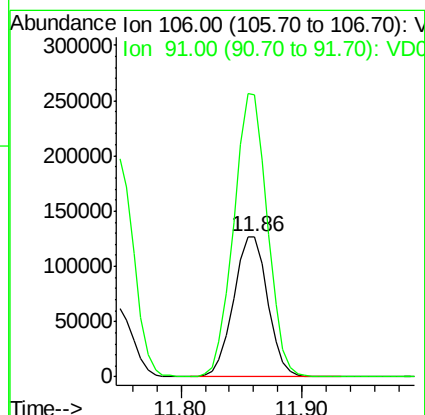
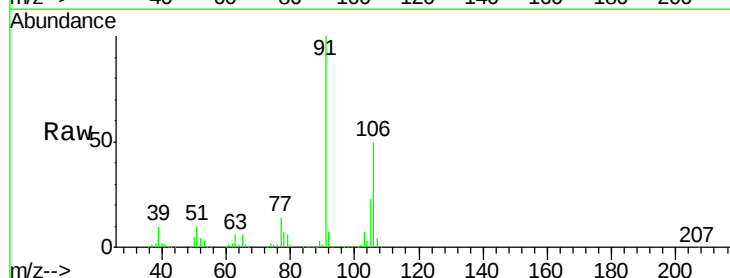
Acq: 14 May 2020 12:32

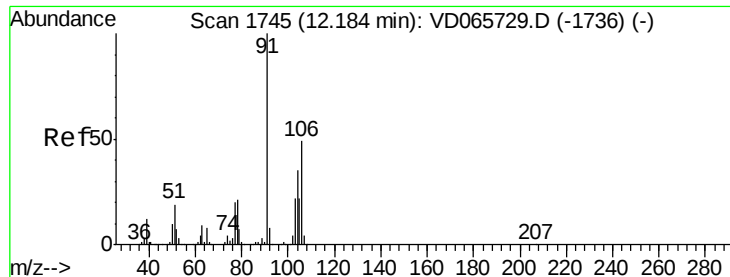
Tgt Ion: 106 Resp: 250781

Ion Ratio Lower Upper

106 100

91 198.2 158.7 238.1

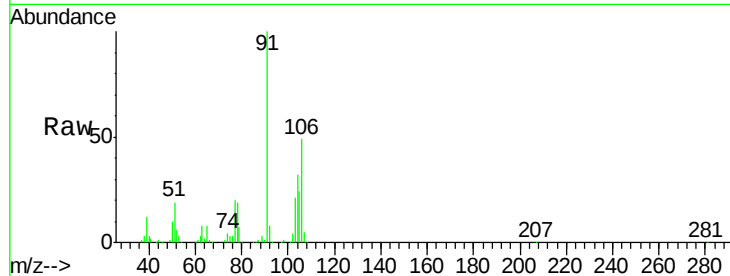




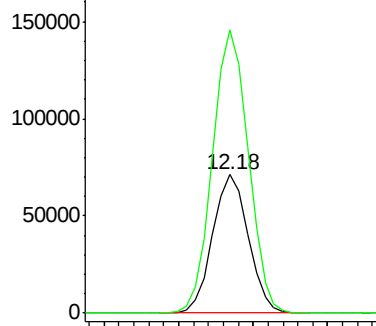
#69
o-Xylene
Concen: 21.266 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :

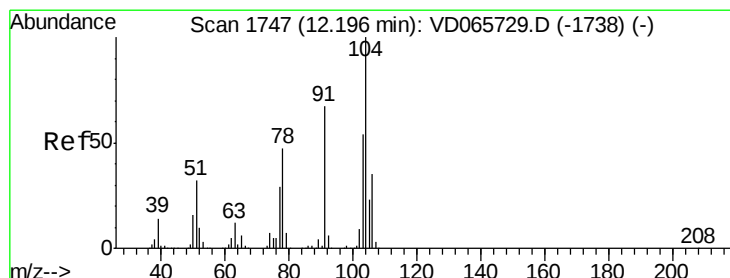
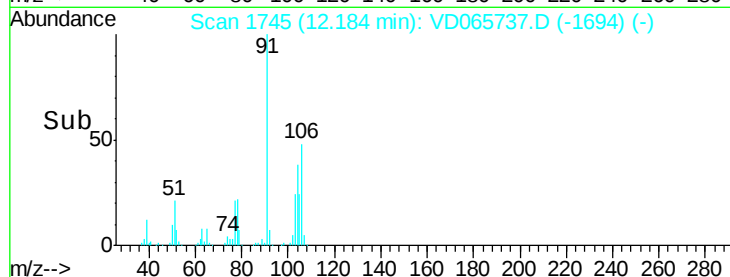
Tot Ion:106 Resp: 118044
Ion Ratio Lower Upper
106 100
91 204.7 101.8 305.4



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

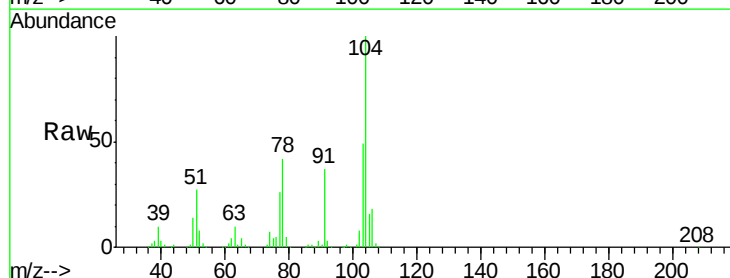


Time--> 12.10 12.15 12.20 12.25

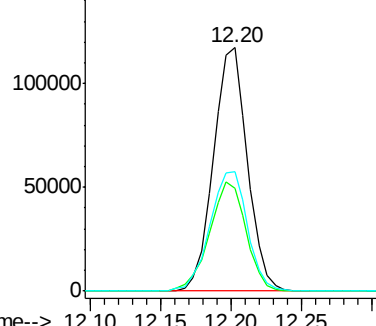


#70
Styrene
Concen: 20.849 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

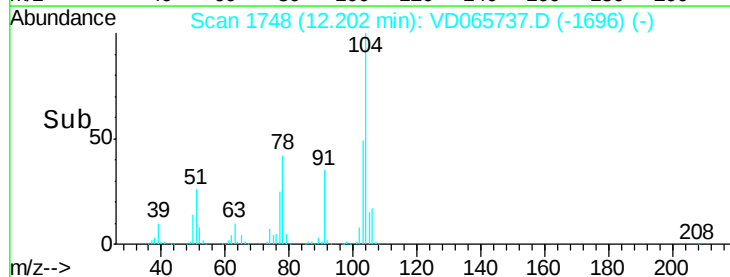
Tgt Ion:104 Resp: 197503
Ion Ratio Lower Upper
104 100
78 48.3 39.0 58.6
103 54.1 44.0 66.0

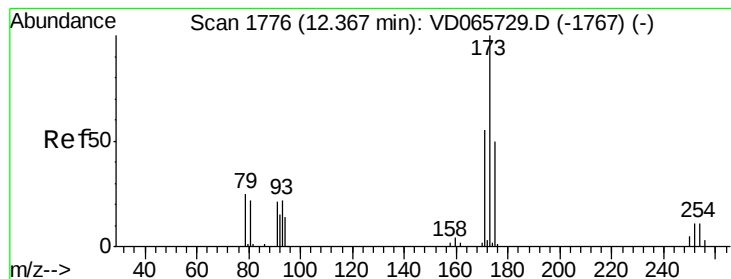


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V



Time--> 12.10 12.15 12.20 12.25





#71

Bromoform

Concen: 21.846 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

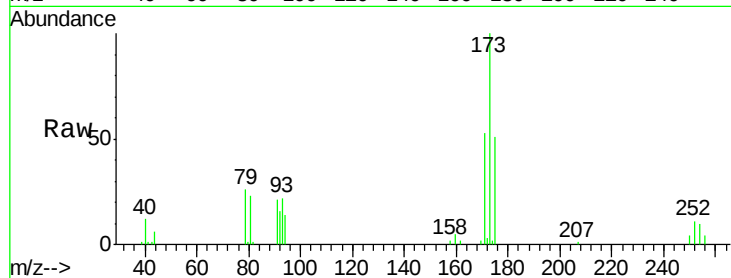
Tot Ion:173 Resp: 39524

Ion Ratio Lower Upper

173 100

175 49.1 24.6 73.6

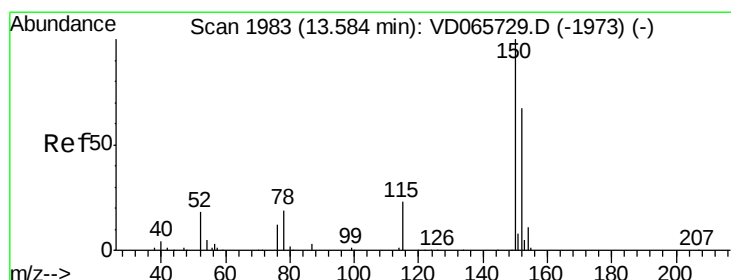
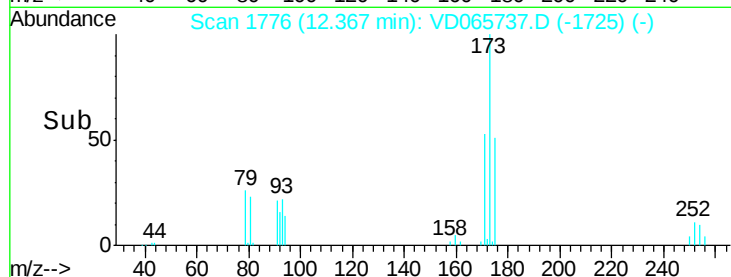
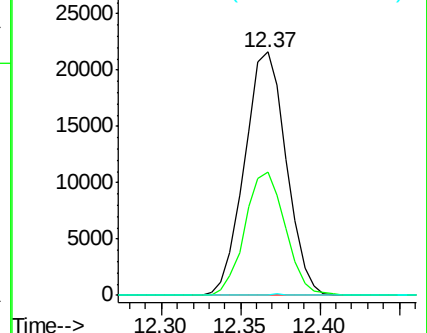
254 0.2 0.0 0.0#



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# 1983

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

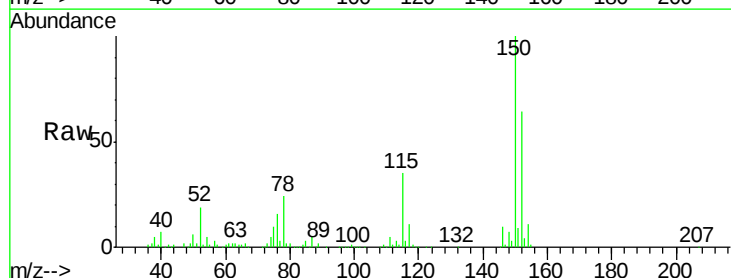
Tgt Ion:152 Resp: 229539

Ion Ratio Lower Upper

152 100

115 55.2 28.1 84.3

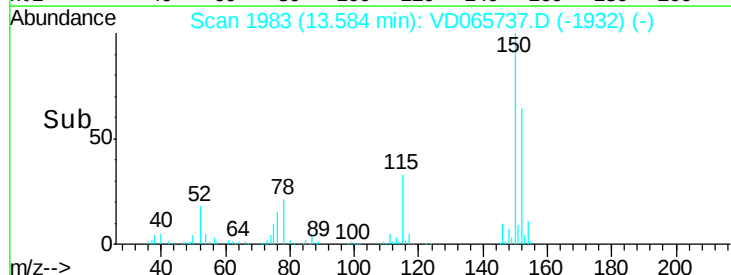
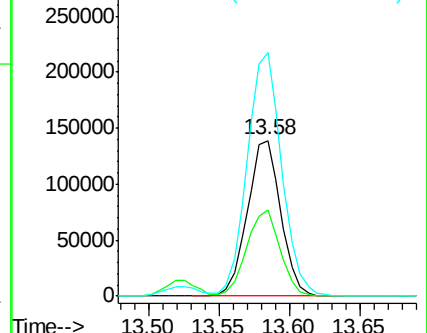
150 162.7 0.0 343.2

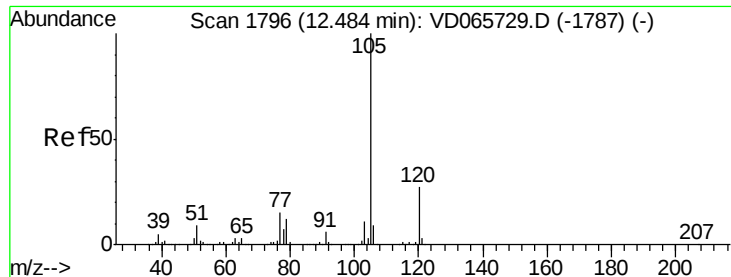


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.688 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

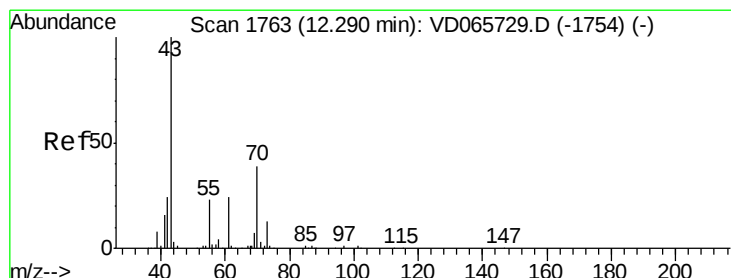
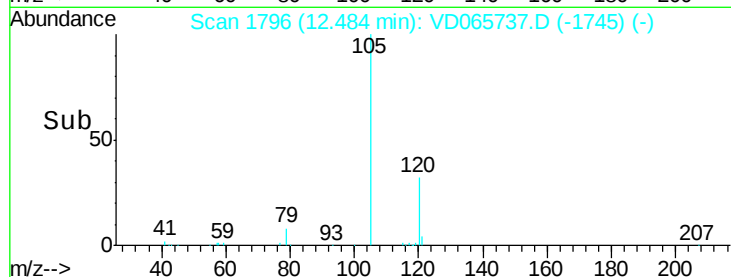
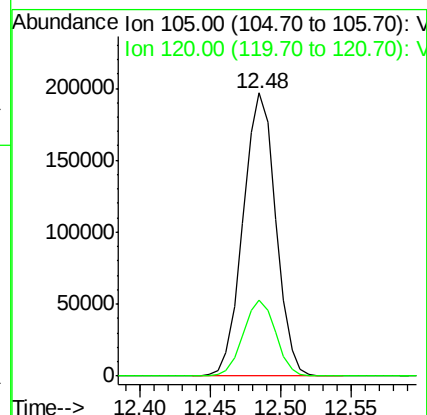
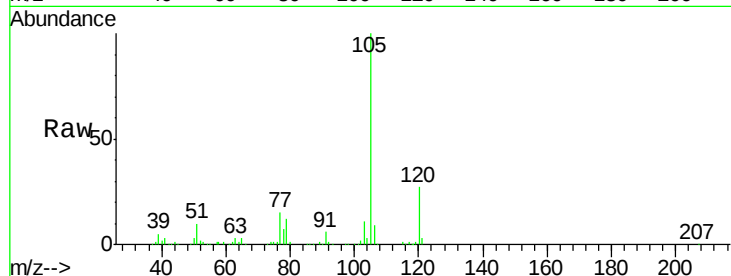
ClientSampleId :

Tot Ion:105 Resp: 318807

Ion Ratio Lower Upper

105 100

120 26.6 13.7 41.0



#74

N-ethyl acetate

Concen: 21.065 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Tgt Ion: 43 Resp: 75367

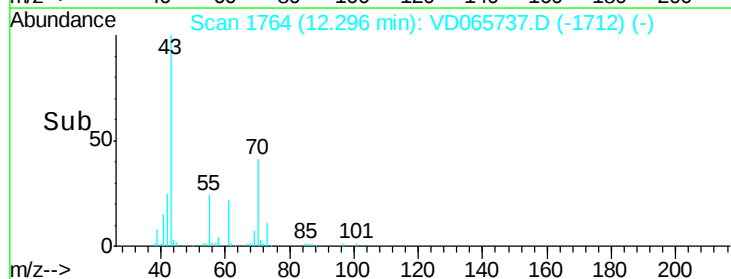
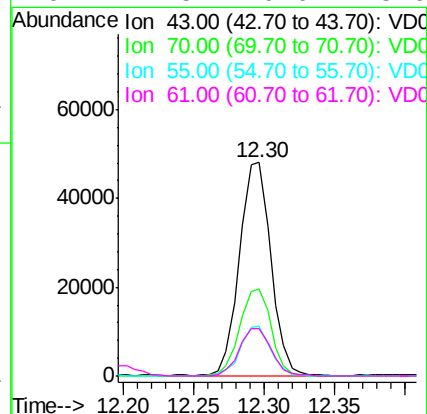
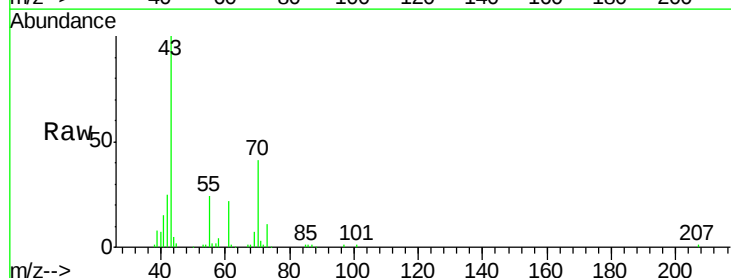
Ion Ratio Lower Upper

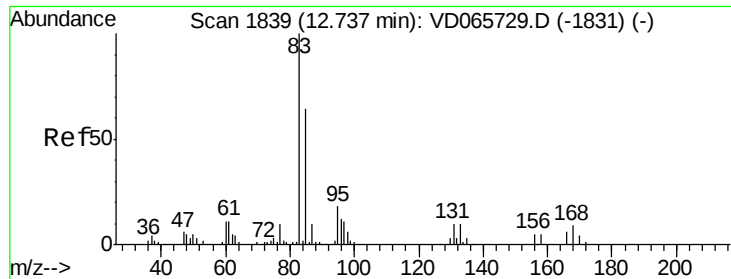
43 100

70 40.5 31.8 47.6

55 22.5 17.9 26.9

61 22.5 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.144 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

ClientSampled :

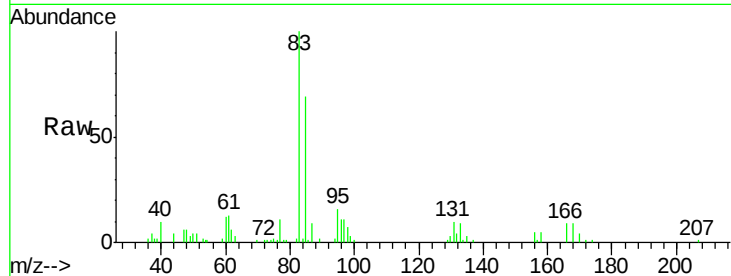
Tot Ion: 83 Resp: 51571

Ion Ratio Lower Upper

83 100

131 11.4 5.9 17.6

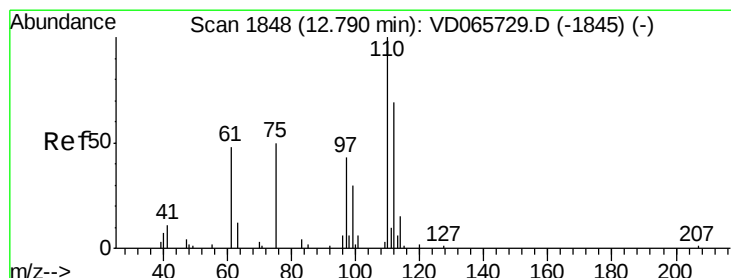
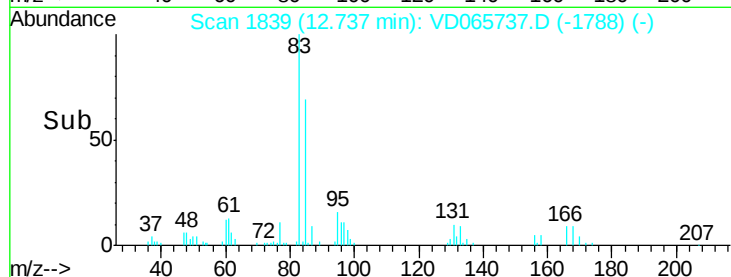
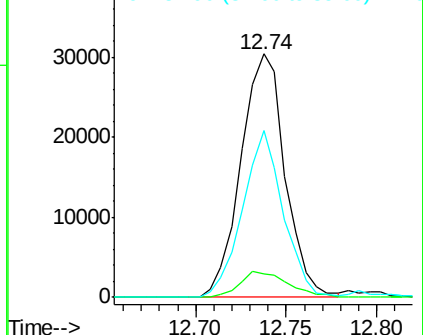
85 63.1 32.5 97.4



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: 40.064 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065737.D

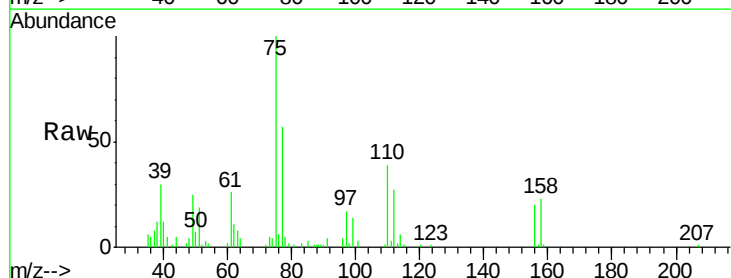
Acq: 14 May 2020 12:32

Tgt Ion: 75 Resp: 68633

Ion Ratio Lower Upper

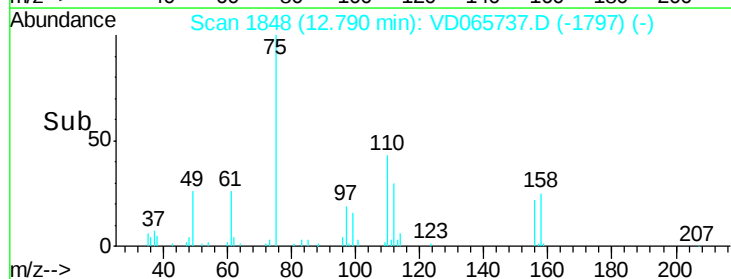
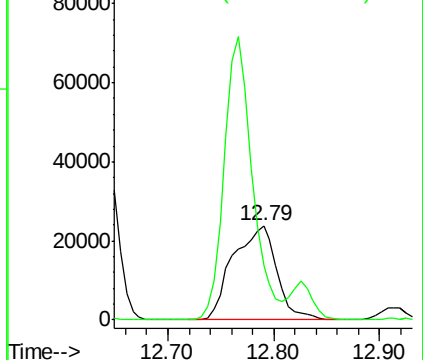
75 100

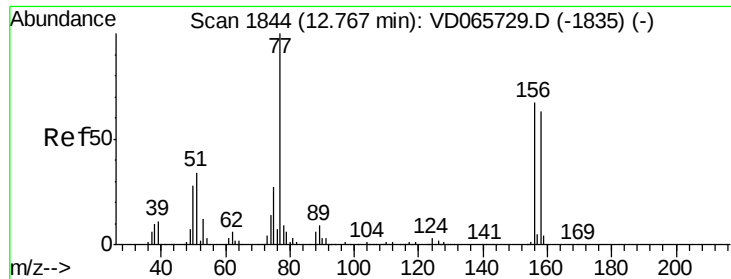
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.042 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

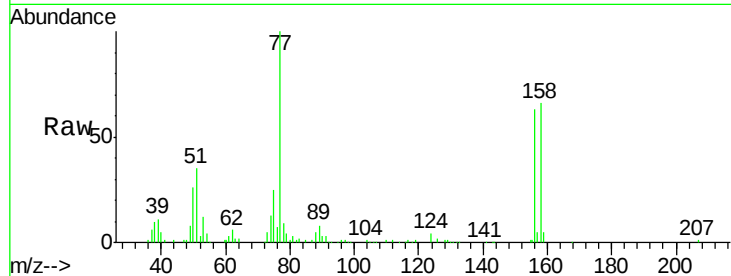
Tot Ion:156 Resp: 78158

Ion Ratio Lower Upper

156 100

77 169.6 84.9 254.6

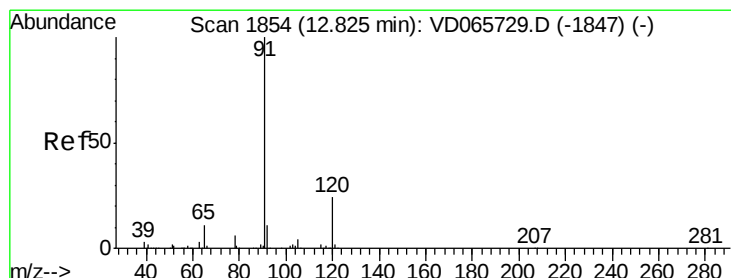
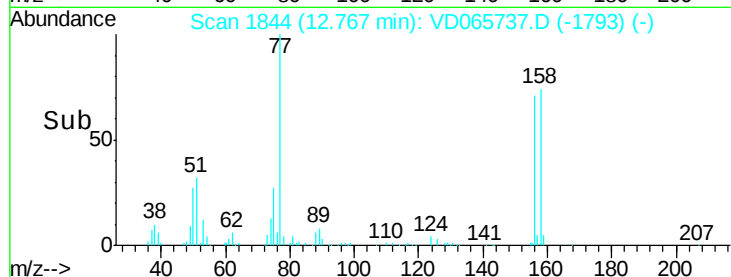
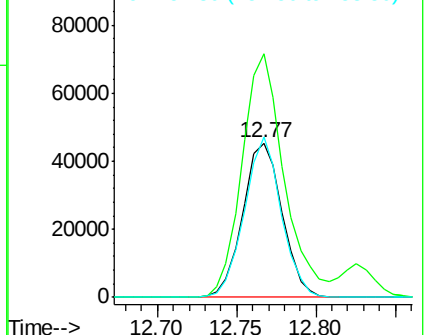
158 97.4 48.8 146.4



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: 20.763 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065737.D

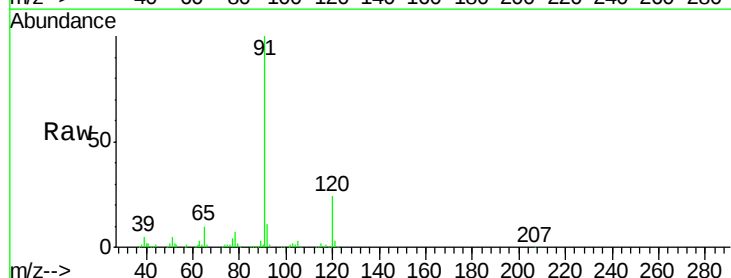
Acq: 14 May 2020 12:32

Tgt Ion: 91 Resp: 373749

Ion Ratio Lower Upper

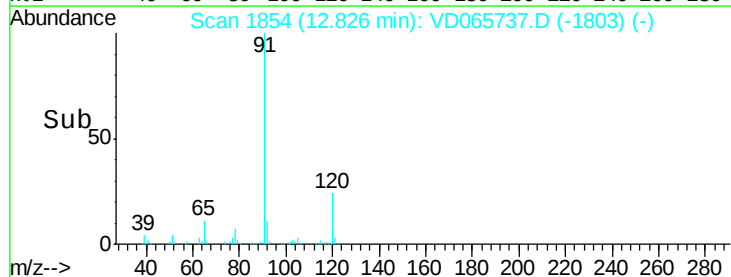
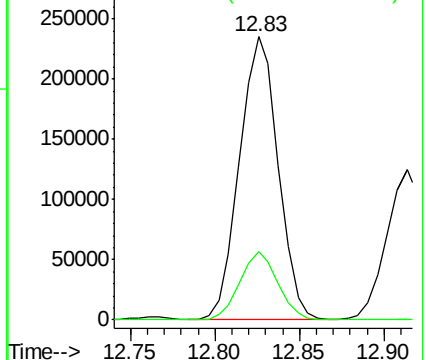
91 100

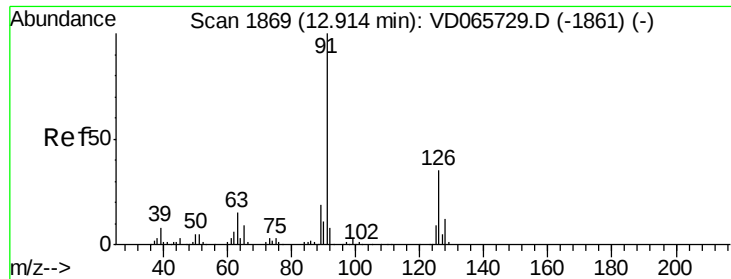
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

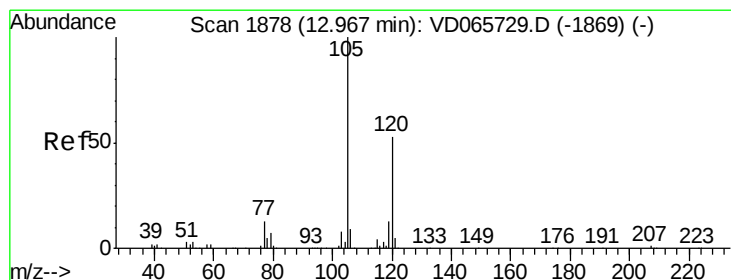
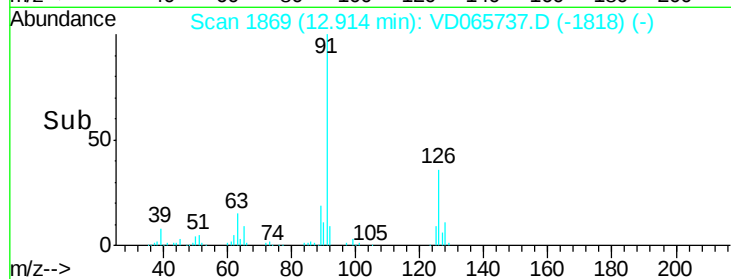
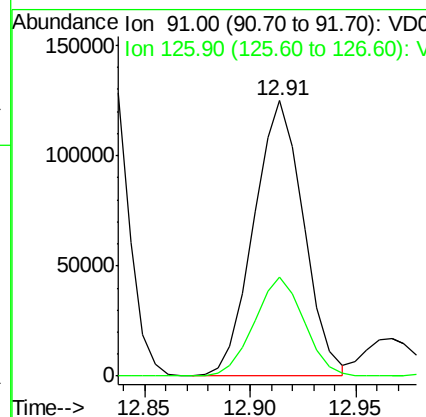
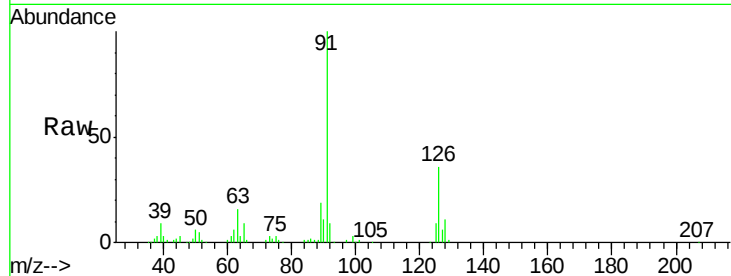




#79
2-Chlorotoluene
Concen: 20.510 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

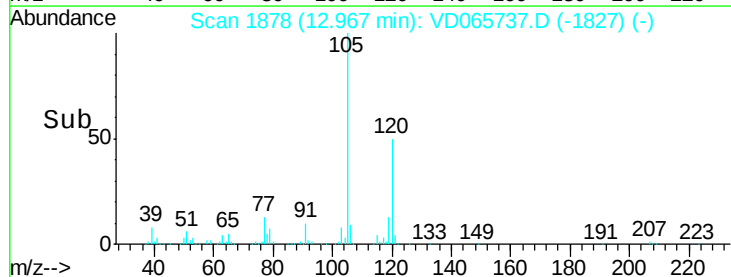
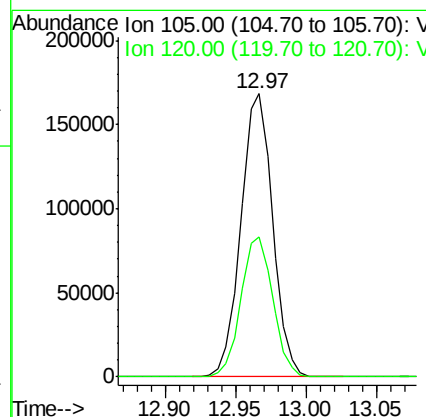
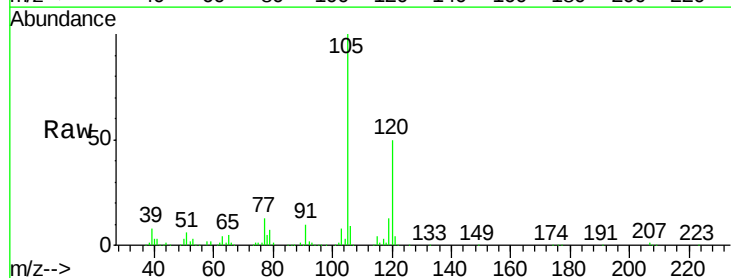
Instrument :
MSVOA_D
ClientSampled :

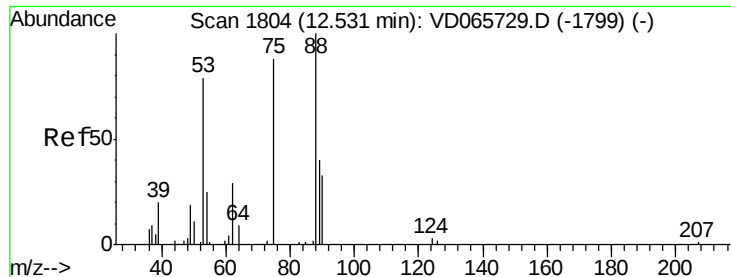
Tot Ion: 91 Resp: 204277
Ion Ratio Lower Upper
91 100
126 35.8 18.1 54.1



#80
1,3,5-Trimethylbenzene
Concen: 20.864 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Tgt Ion:105 Resp: 264909
Ion Ratio Lower Upper
105 100
120 49.7 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.568 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

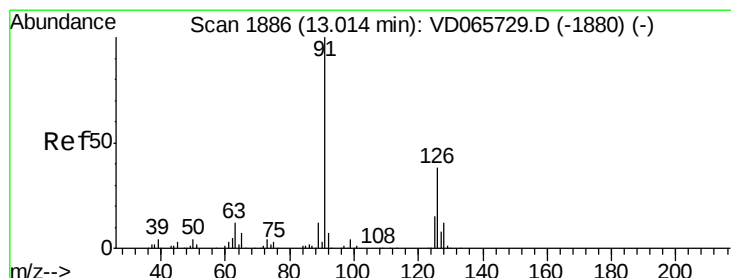
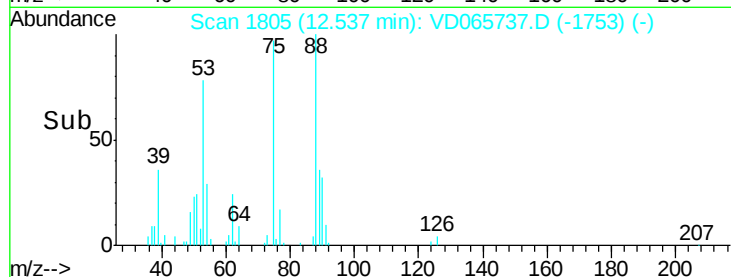
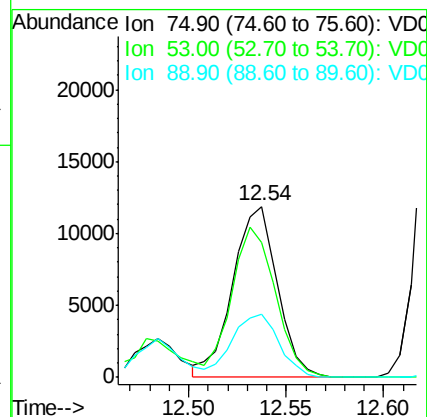
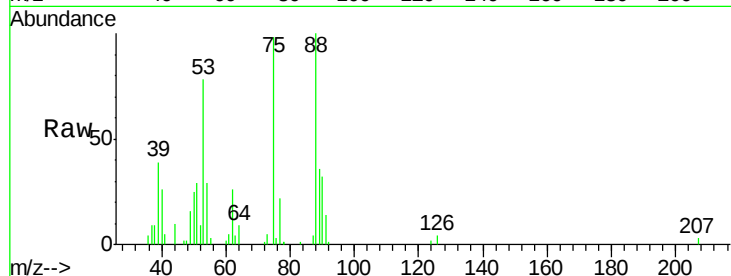
Tot Ion: 75 Resp: 18833

Ion Ratio Lower Upper

75 100

53 86.3 72.6 109.0

89 38.8 37.0 55.4



#82

4-Chlorotoluene

Concen: 20.559 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065737.D

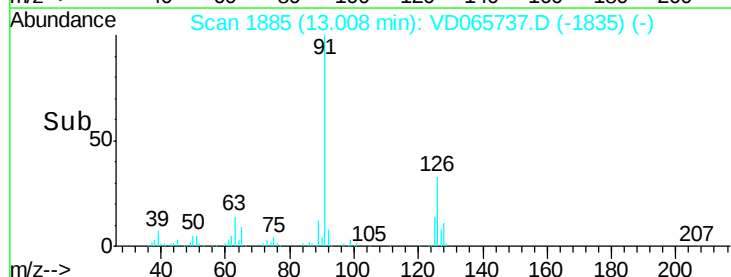
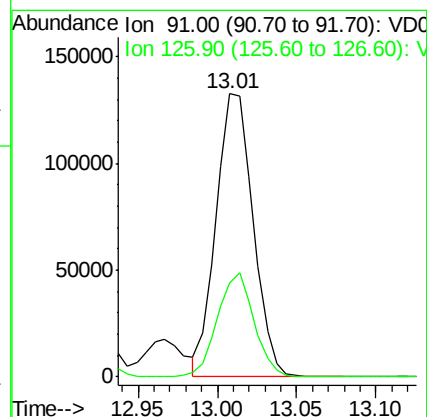
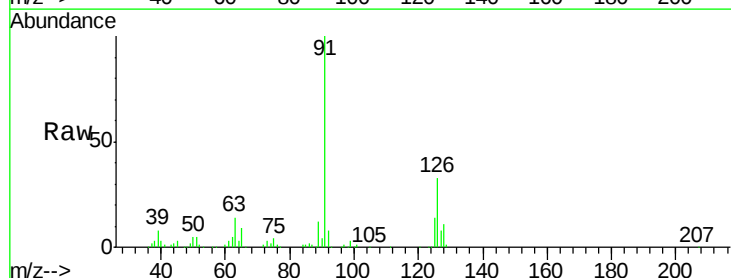
Acq: 14 May 2020 12:32

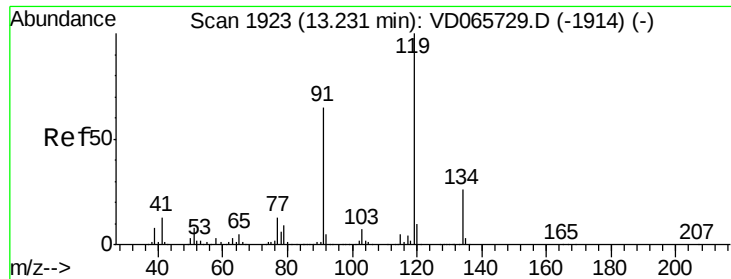
Tgt Ion: 91 Resp: 215881

Ion Ratio Lower Upper

91 100

126 36.3 17.8 53.3

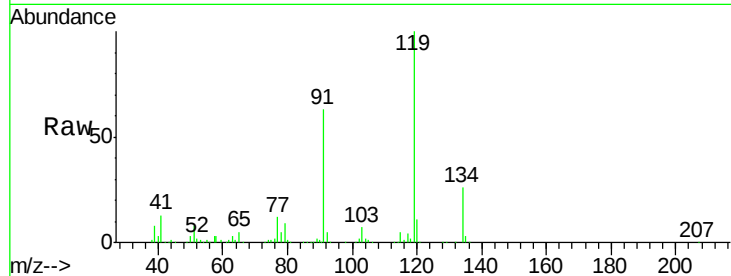




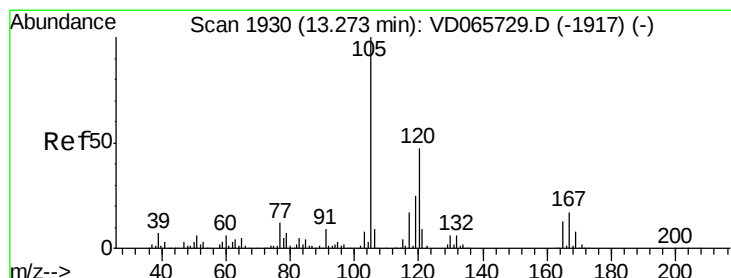
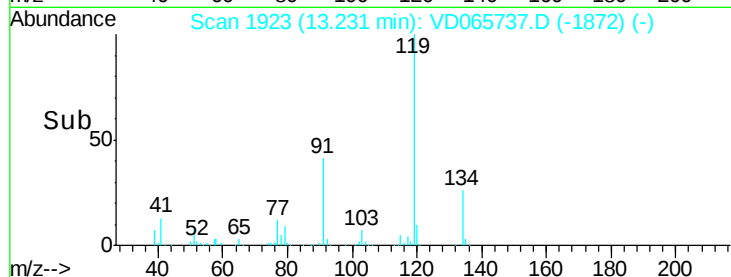
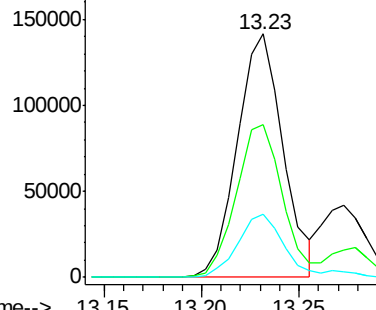
#83
tert-Butylbenzene
Concen: 20.436 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 230086
Ion Ratio Lower Upper
119 100
91 63.1 31.6 95.0
134 25.9 12.7 38.1

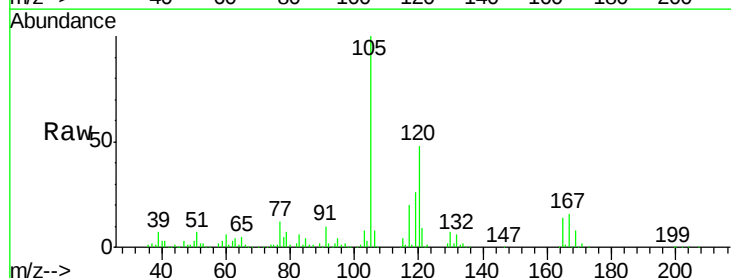


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

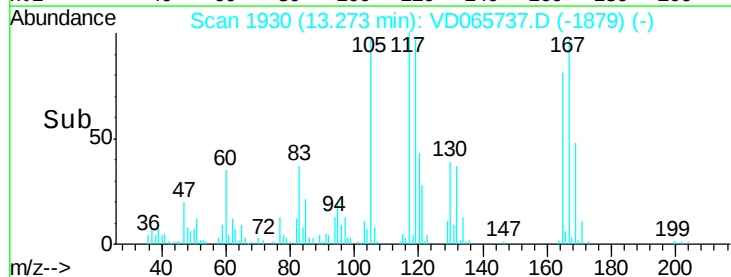
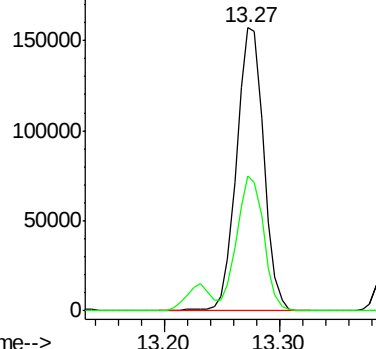


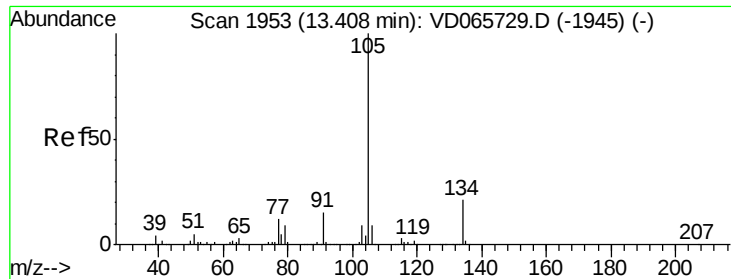
#84
1,2,4-Trimethylbenzene
Concen: 20.675 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065737.D
Acq: 14 May 2020 12:32

Tgt Ion:105 Resp: 258891
Ion Ratio Lower Upper
105 100
120 46.7 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.434 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

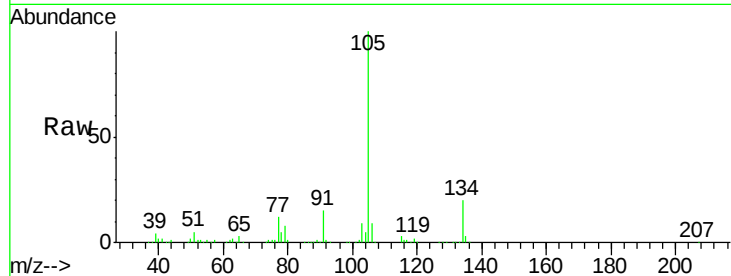
ClientSampleId :

Tot Ion:105 Resp: 313049

Ion Ratio Lower Upper

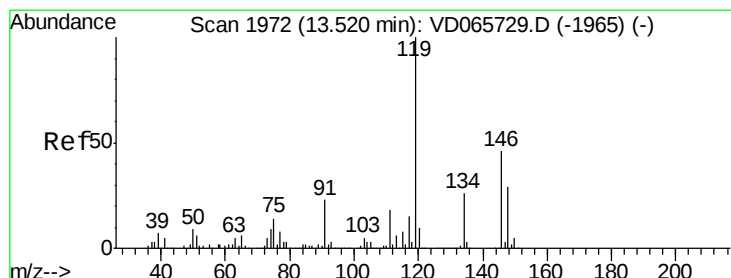
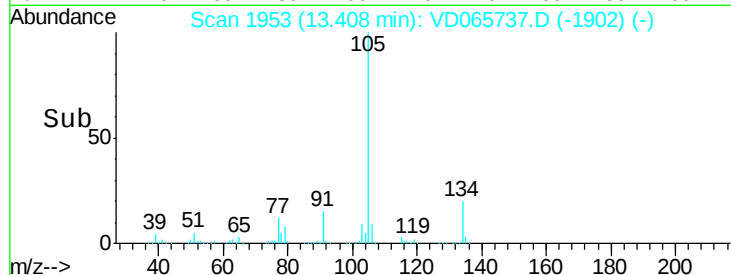
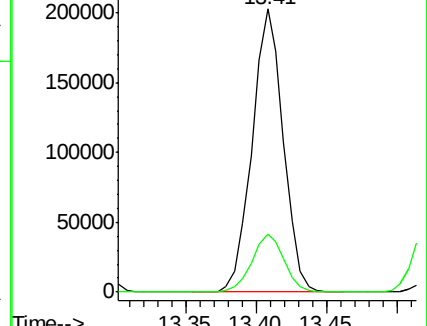
105 100

134 21.0 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.930 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

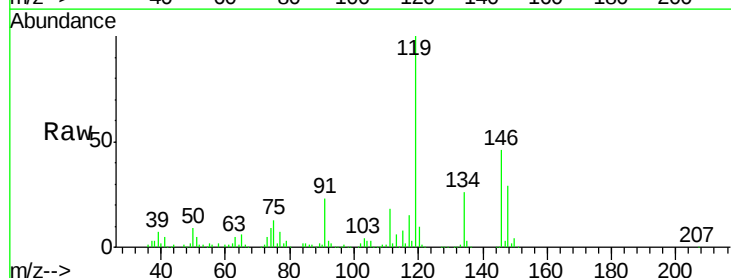
Tgt Ion:119 Resp: 294734

Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.7

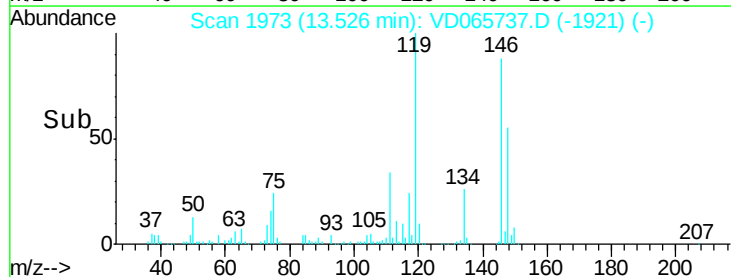
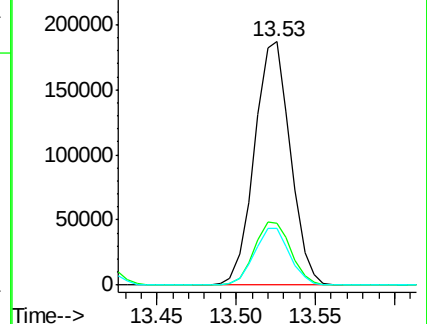
91 23.1 11.7 35.1

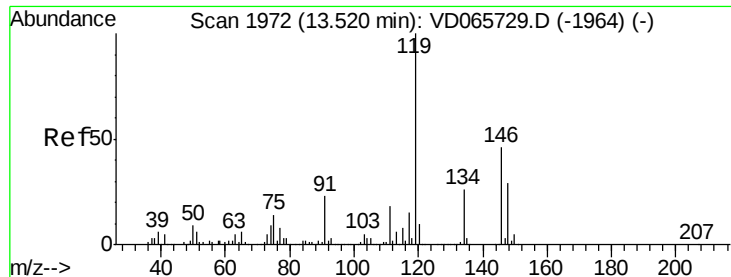


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.850 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD065737.D

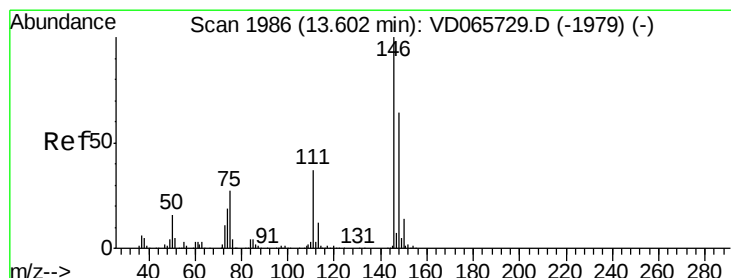
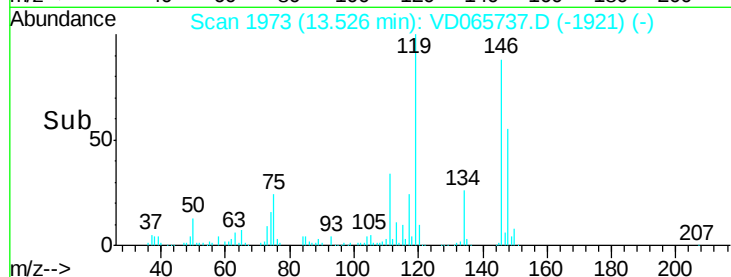
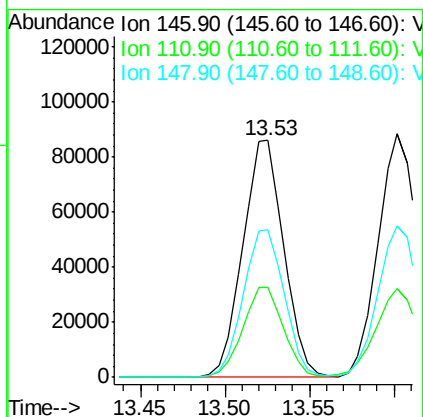
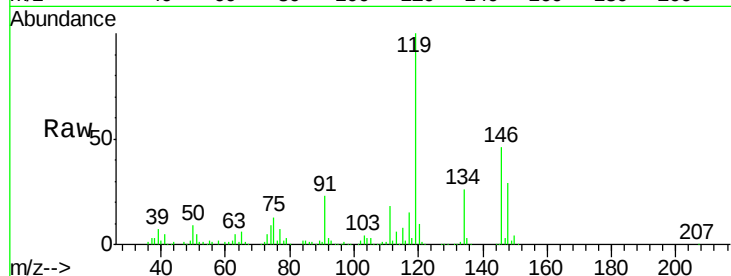
Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	146	Resp:	145249
Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.9
148	62.5	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 20.966 ug/l

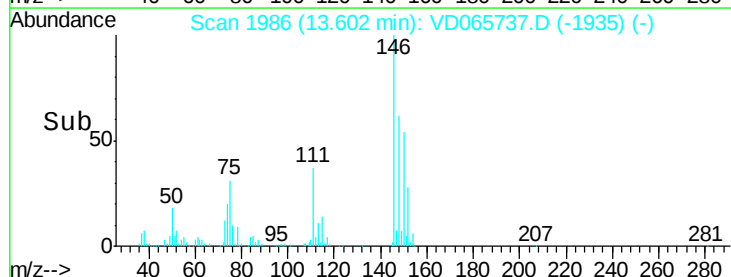
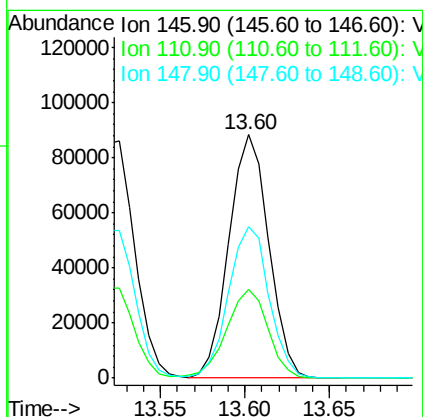
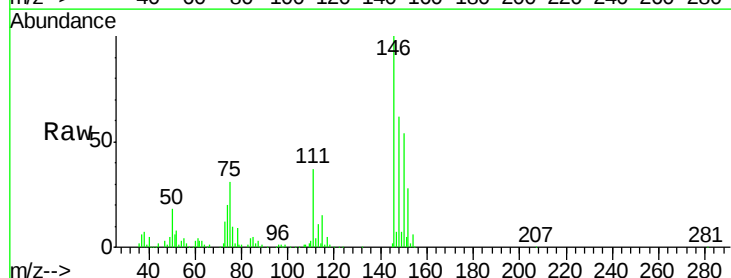
RT: 13.60 min Scan# 1986

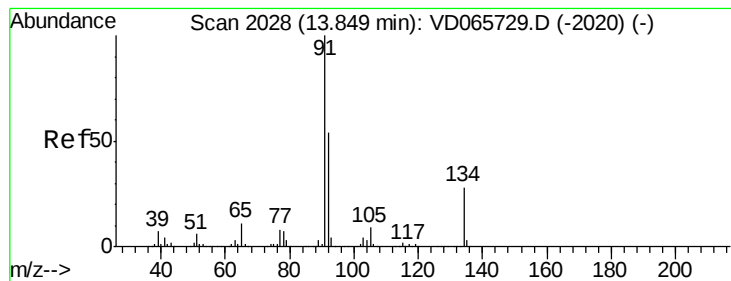
Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Tgt Ion:	146	Resp:	145484
Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.4	55.2
148	63.5	31.6	94.7





#89

n-Butylbenzene

Concen: 20.493 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

ClientSampled :

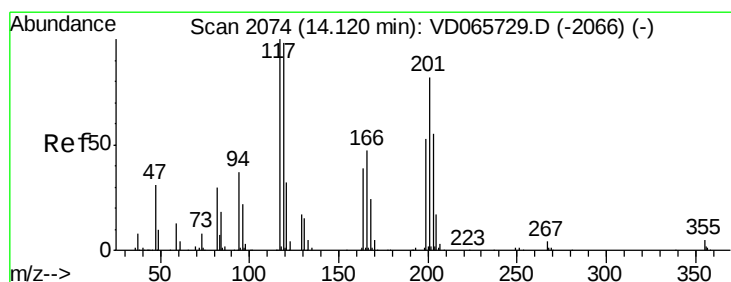
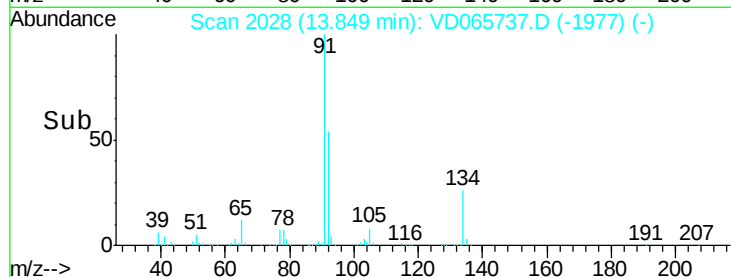
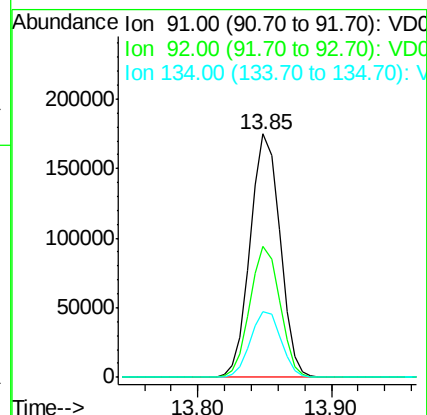
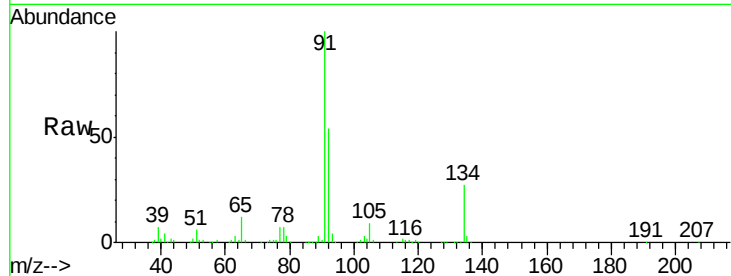
Tot Ion: 91 Resp: 269844

Ion Ratio Lower Upper

91 100

92 53.9 27.0 81.0

134 27.6 13.9 41.7



#90

Hexachloroethane

Concen: 20.019 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065737.D

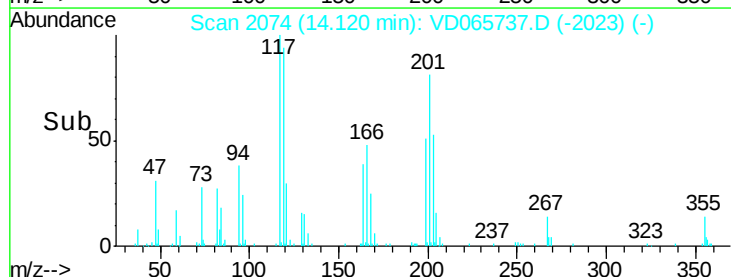
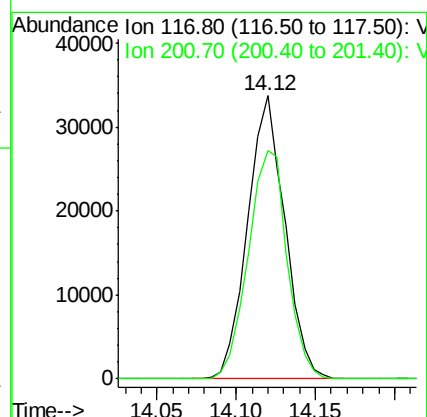
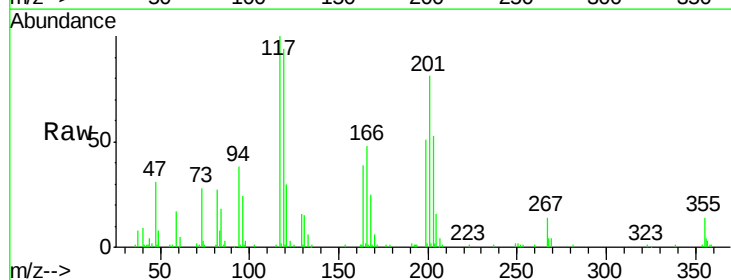
Acq: 14 May 2020 12:32

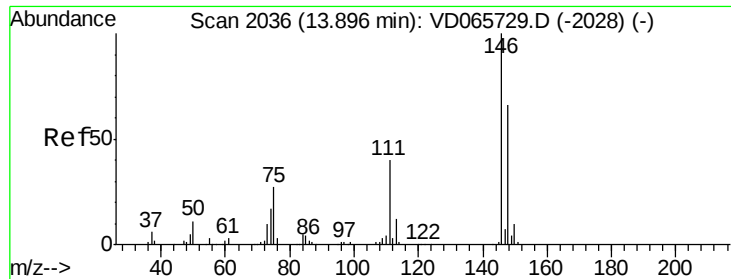
Tgt Ion: 117 Resp: 55152

Ion Ratio Lower Upper

117 100

201 83.9 41.8 125.4





#91

1,2-Dichlorobenzene

Concen: 21.062 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

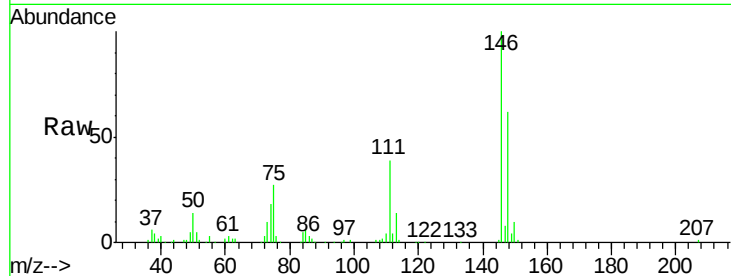
Tot Ion:146 Resp: 126913

Ion Ratio Lower Upper

146 100

111 39.3 20.0 60.0

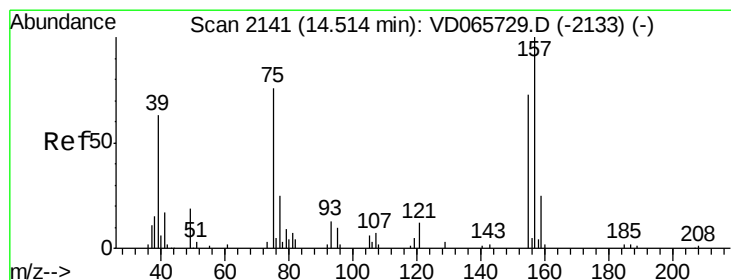
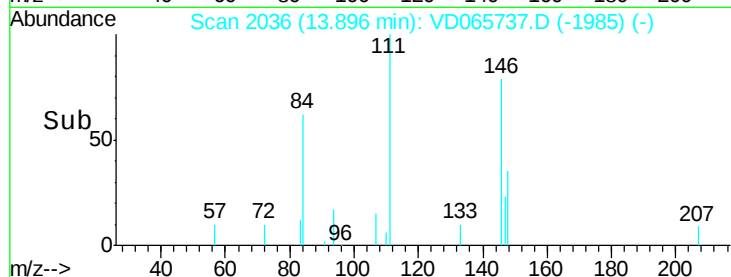
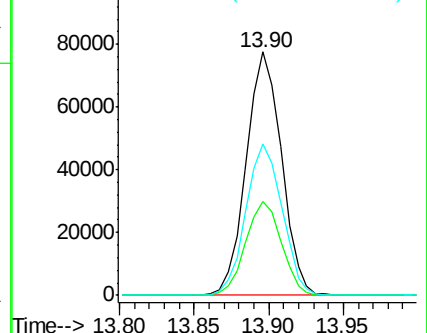
148 63.7 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.760 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

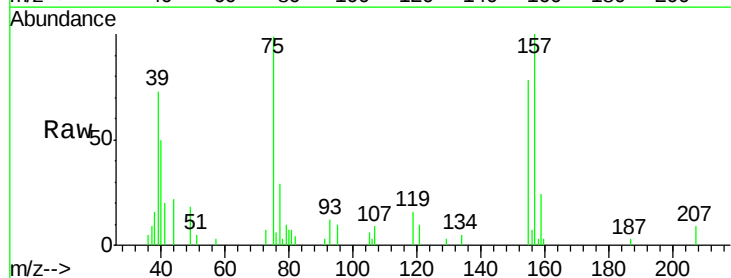
Tgt Ion: 75 Resp: 8875

Ion Ratio Lower Upper

75 100

155 88.3 48.4 145.0

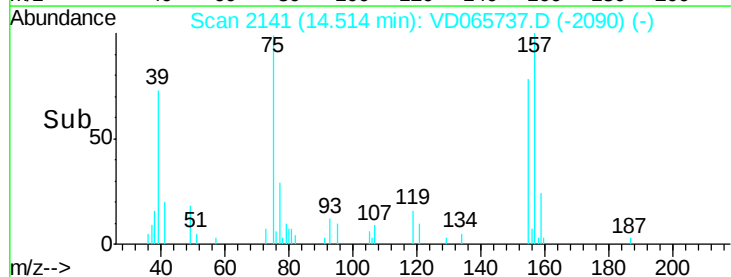
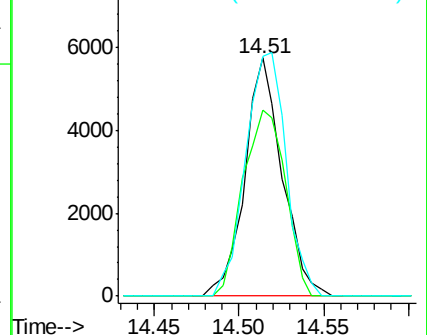
157 110.8 62.6 187.8

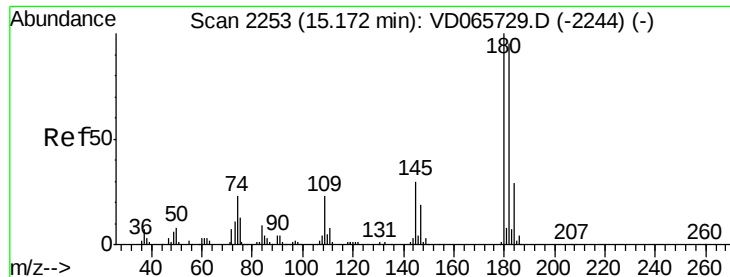


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

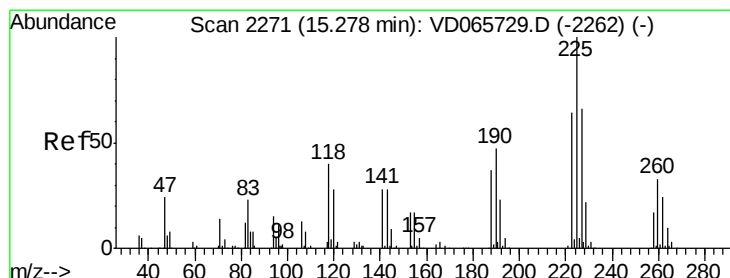
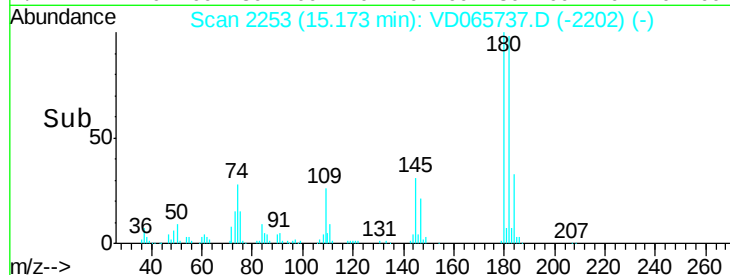
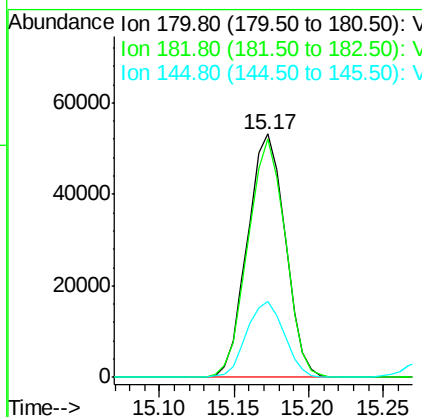
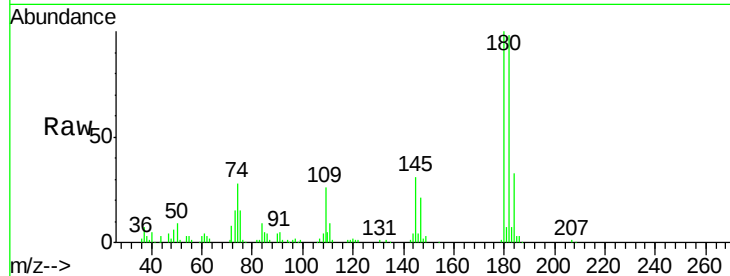




#93
 1,2,4-Trichlorobenzene
 Concen: 20.372 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065737.D
 Acq: 14 May 2020 12:32

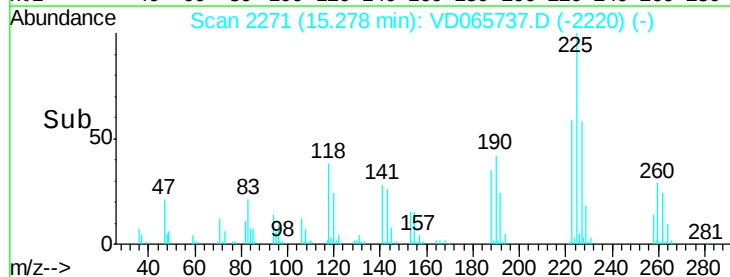
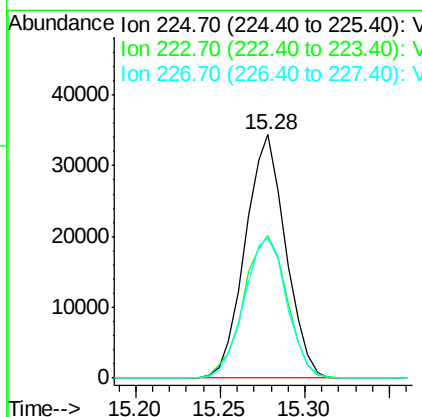
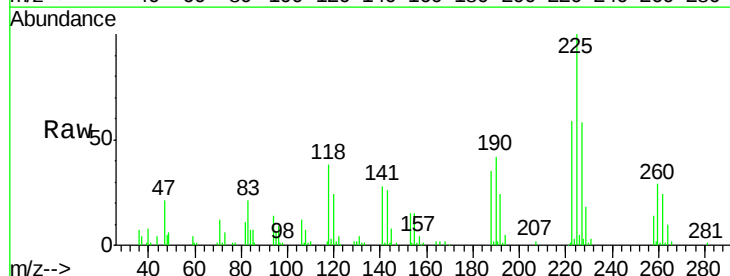
Instrument :
 MSVOA_D
 ClientSampleId :

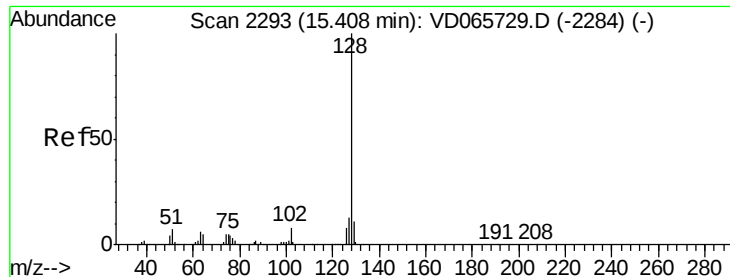
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.0	141.0
145	31.0	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 20.784 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065737.D
 Acq: 14 May 2020 12:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.4	94.2
227	61.0	32.2	96.6





#95

Naphthalene

Concen: 20.724 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

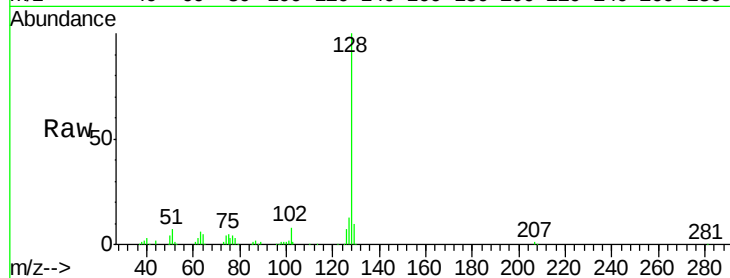
Tot Ion:128 Resp: 158010

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.2

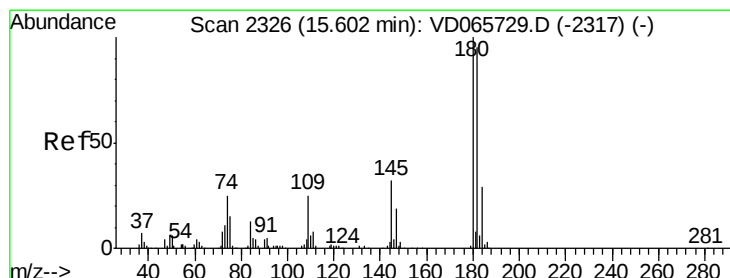
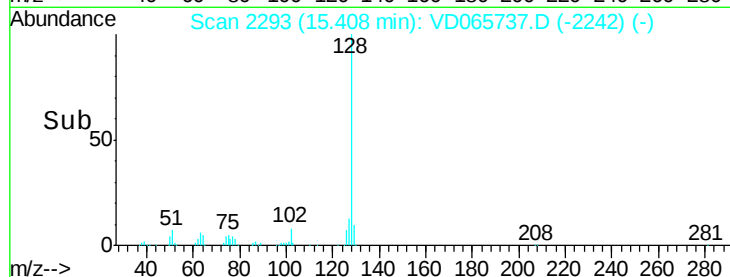
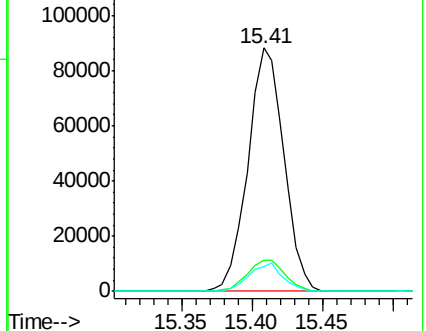
129 11.0 8.8 13.2



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: 20.826 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD065737.D

Acq: 14 May 2020 12:32

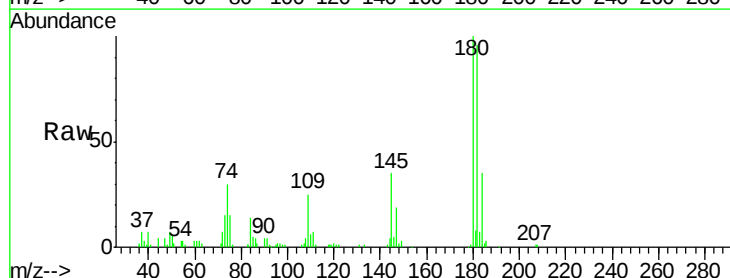
Tgt Ion:180 Resp: 81395

Ion Ratio Lower Upper

180 100

182 96.6 47.5 142.6

145 31.3 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

