

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042920\
 Data File : VD065679.D
 Acq On : 29 Apr 2020 13:34
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 30 07:03:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042920S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 30 07:01:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	547797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	812577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	773131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	385184	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	26208	5.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.68%	
35) Dibromofluoromethane	7.91	113	28653	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
50) Toluene-d8	10.34	98	85719	4.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.98%	
62) 4-Bromofluorobenzene	12.64	95	29092	4.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.44%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	15410	5.323	ug/l 93
3) Chloromethane	2.21	50	32020	5.719	ug/l 94
4) Vinyl Chloride	2.34	62	49873	5.539	ug/l 91
5) Bromomethane	2.77	94	49943	5.928	ug/l 95
6) Chloroethane	2.93	64	37706	5.688	ug/l 89
7) Trichlorofluoromethane	3.27	101	102332	5.718	ug/l 100
8) Diethyl Ether	3.71	74	27681	5.495	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	61421	7.120	ug/l 97
10) Methyl Iodide	4.29	142	15693	4.272	ug/l # 95
11) Tert butyl alcohol	5.27	59	4745	26.345	ug/l # 92
12) 1,1-Dichloroethene	4.05	96	66383	7.837	ug/l 98
13) Acrolein	3.92	56	20430	34.476	ug/l 91
14) Allyl chloride	4.70	41	22174	5.221	ug/l 93
15) Acrylonitrile	5.44	53	16422	23.112	ug/l 90
16) Acetone	4.17	43	21054	26.321	ug/l 98
17) Carbon Disulfide	4.39	76	73977	5.310	ug/l 100
18) Methyl Acetate	4.71	43	9558	5.428	ug/l 92
19) Methyl tert-butyl Ether	5.48	73	36203	4.613	ug/l 96
20) Methylene Chloride	4.96	84	36056	6.203	ug/l # 97
21) trans-1,2-Dichloroethene	5.46	96	27209	5.258	ug/l 95
22) Diisopropyl ether	6.36	45	39420	4.305	ug/l 88
23) Vinyl Acetate	6.31	43	77617	18.607	ug/l 98
24) 1,1-Dichloroethane	6.27	63	42478	5.226	ug/l 97
25) 2-Butanone	7.23	43	19984	24.691	ug/l 95
26) 2,2-Dichloropropane	7.21	77	41229	5.215	ug/l 96
27) cis-1,2-Dichloroethene	7.21	96	26921	5.030	ug/l 93
28) Bromochloromethane	7.55	49	15139	5.016	ug/l # 97
29) Tetrahydrofuran	7.57	42	11175	23.856	ug/l 86
30) Chloroform	7.71	83	51012	5.188	ug/l 94
31) Cyclohexane	7.99	56	39086	5.678	ug/l # 87
32) 1,1,1-Trichloroethane	7.90	97	47201	5.194	ug/l 96
36) 1,1-Dichloropropene	8.11	75	36772	5.123	ug/l 97
37) Ethyl Acetate	7.30	43	10385	5.374	ug/l # 91
38) Carbon Tetrachloride	8.10	117	49751	5.486	ug/l 90

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 Data File : VD065679.D
 Acq On : 29 Apr 2020 13:34
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 30 07:03:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042920S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 30 07:01:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	35568	4.675	ug/l	97
40) Benzene	8.35	78	101998	5.026	ug/l	99
41) Methacrylonitrile	7.54	41	4230	3.524	ug/l #	8
42) 1,2-Dichloroethane	8.43	62	30467	5.194	ug/l	98
43) Isopropyl Acetate	8.46	43	17924	4.937	ug/l #	56
44) Trichloroethene	9.11	130	32791	5.230	ug/l	85
45) 1,2-Dichloropropane	9.39	63	22586	4.923	ug/l	96
46) Dibromomethane	9.48	93	13925	4.688	ug/l	85
47) Bromodichloromethane	9.66	83	39959	5.088	ug/l	96
48) Methyl methacrylate	9.46	41	7663	4.820	ug/l #	82
49) 1,4-Dioxane	9.47	88	2512	86.517	ug/l #	83
51) 4-Methyl-2-Pentanone	10.23	43	40843	22.197	ug/l	91
52) Toluene	10.41	92	59563	4.484	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	28616	4.708	ug/l	90
54) cis-1,3-Dichloropropene	10.10	75	32616	4.488	ug/l	91
55) 1,1,2-Trichloroethane	10.81	97	19939	4.829	ug/l	91
56) Ethyl methacrylate	10.67	69	11885	3.790	ug/l #	81
57) 1,3-Dichloropropane	10.95	76	28900	4.666	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.94	63	33499	21.122	ug/l	96
59) 2-Hexanone	10.99	43	24072	20.601	ug/l	86
60) Dibromochloromethane	11.14	129	25140	4.574	ug/l	94
61) 1,2-Dibromoethane	11.25	107	17363	4.565	ug/l	98
64) Tetrachloroethene	10.87	164	27622	5.147	ug/l	93
65) Chlorobenzene	11.68	112	79001	5.140	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	28670	4.940	ug/l	94
67) Ethyl Benzene	11.75	91	111341	4.661	ug/l	99
68) m/p-Xylenes	11.86	106	82260	8.612	ug/l	98
69) o-Xylene	12.18	106	35926	4.467	ug/l	92
70) Styrene	12.20	104	59878	4.180	ug/l	99
71) Bromoform	12.37	173	15980	4.931	ug/l #	91
73) Isopropylbenzene	12.48	105	88830	4.430	ug/l	99
74) N-amyl acetate	12.29	43	13165	4.751	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.74	83	21559	5.392	ug/l	94
76) 1,2,3-Trichloropropane	12.79	75	25551	5.876	ug/l #	100
77) Bromobenzene	12.77	156	27057	4.810	ug/l	92
78) n-propylbenzene	12.83	91	115864	4.673	ug/l	97
79) 2-Chlorotoluene	12.91	91	67181	4.785	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	76255	4.364	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	5207	4.788	ug/l	97
82) 4-Chlorotoluene	13.01	91	69773	4.591	ug/l	99
83) tert-Butylbenzene	13.23	119	65069	4.511	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	72534	4.200	ug/l	95
85) sec-Butylbenzene	13.41	105	95009	4.521	ug/l	98
86) p-Isopropyltoluene	13.53	119	83789	4.323	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	56404	4.902	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	62647	5.245	ug/l	95
89) n-Butylbenzene	13.85	91	83110	4.747	ug/l	94
90) Hexachloroethane	14.12	117	26555	5.524	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	49862	5.024	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3160	5.341	ug/l	82

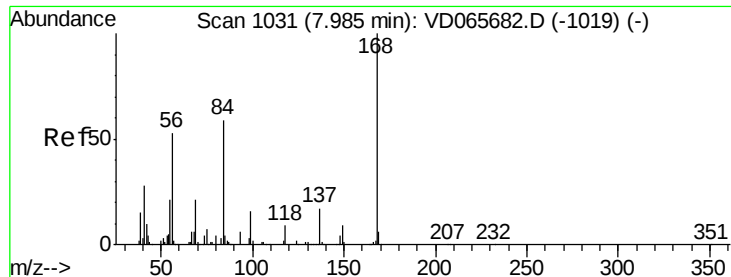
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042920\
Data File : VD065679.D
Acq On : 29 Apr 2020 13:34
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 30 07:03:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042920S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 30 07:01:24 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	26807	4.739	ug/l	100
94) Hexachlorobutadiene	15.28	225	22696	5.398	ug/l	97
95) Naphthalene	15.41	128	35193	4.380	ug/l	97
96) 1,2,3-Trichlorobenzene	15.61	180	23817	4.706	ug/l	96

(#) = 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: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

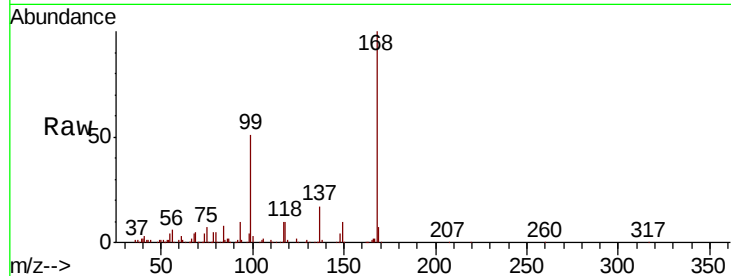
ClientSampleId :

Tot Ion:168 Resp: 547797

Ion Ratio Lower Upper

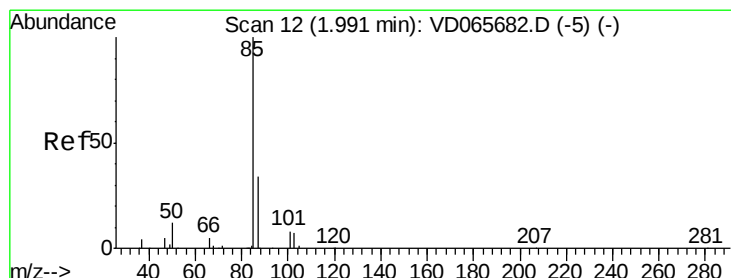
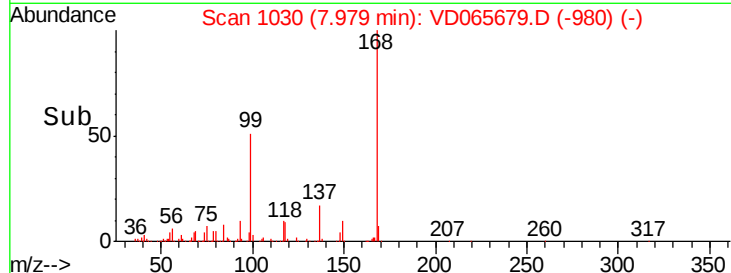
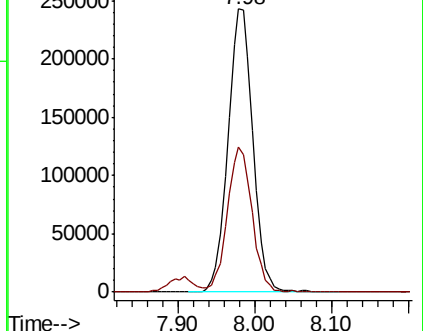
168 100

99 51.2 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 5.323 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065679.D

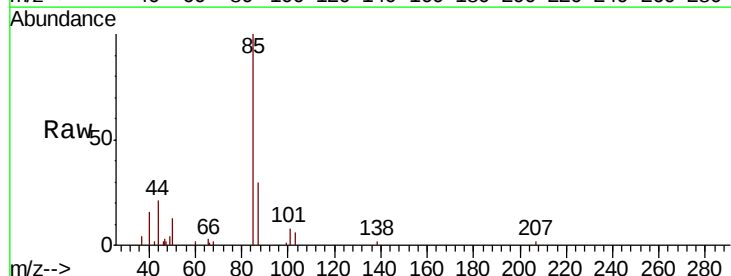
Acq: 29 Apr 2020 13:34

Tgt Ion: 85 Resp: 15410

Ion Ratio Lower Upper

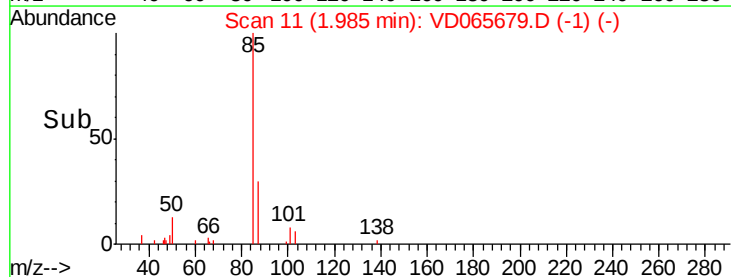
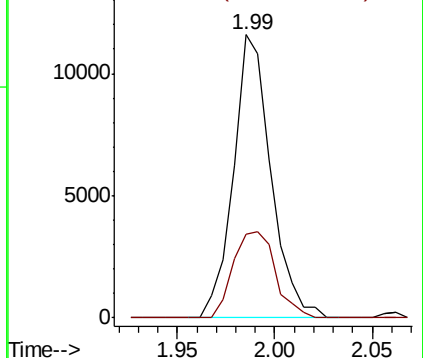
85 100

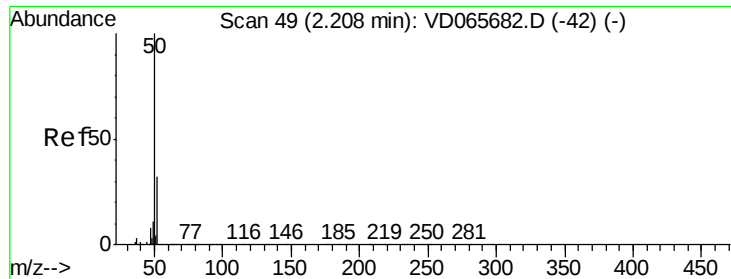
87 29.7 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.719 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

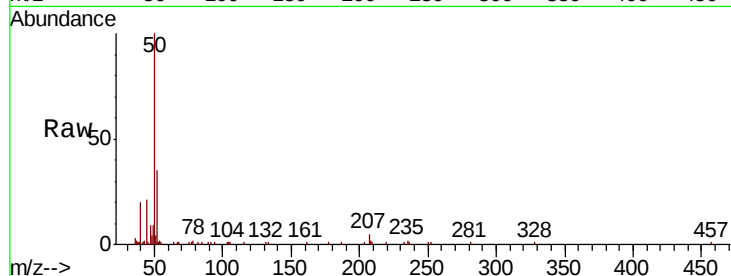
ClientSampled :

Tot Ion: 50 Resp: 32020

Ion Ratio Lower Upper

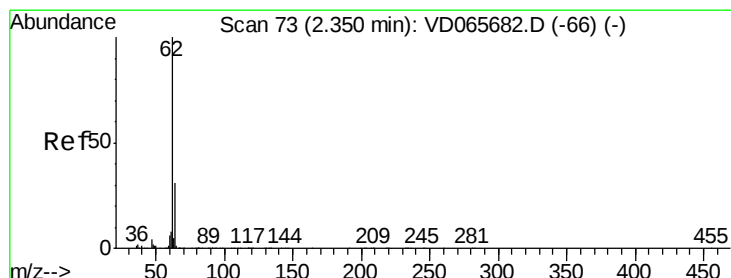
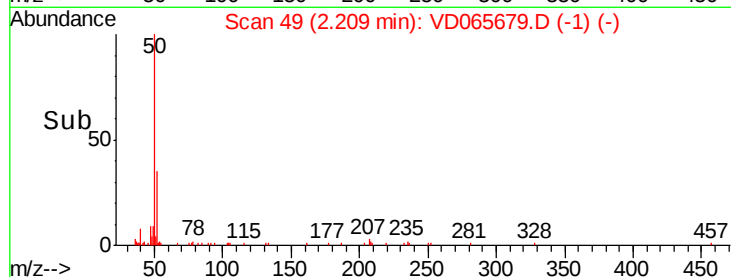
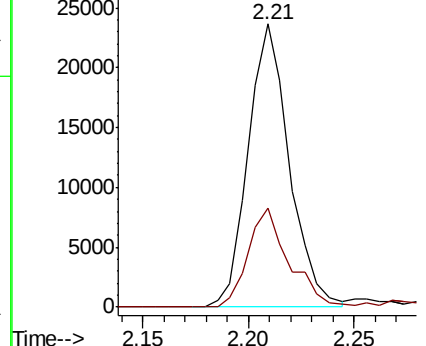
50 100

52 34.9 25.4 38.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.539 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD065679.D

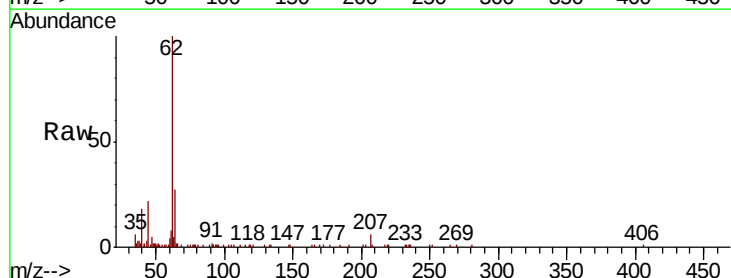
Acq: 29 Apr 2020 13:34

Tgt Ion: 62 Resp: 49873

Ion Ratio Lower Upper

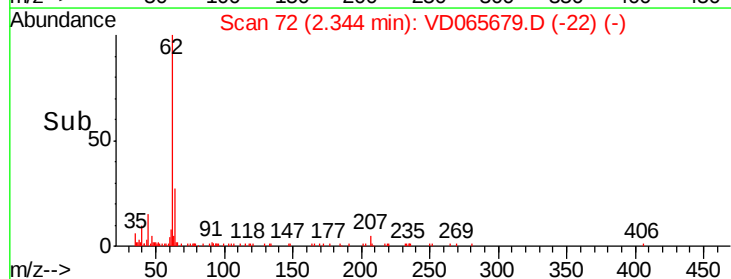
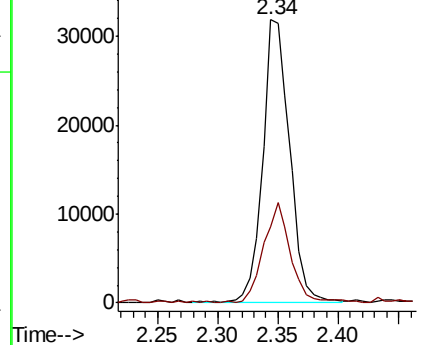
62 100

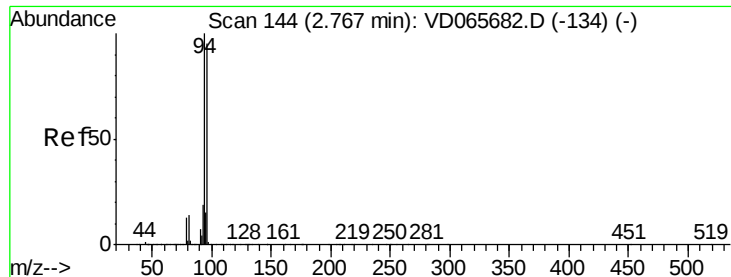
64 26.3 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 5.928 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

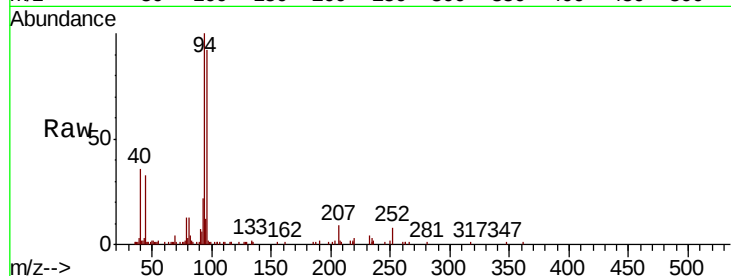
ClientSampleId :

Tot Ion: 94 Resp: 49943

Ion Ratio Lower Upper

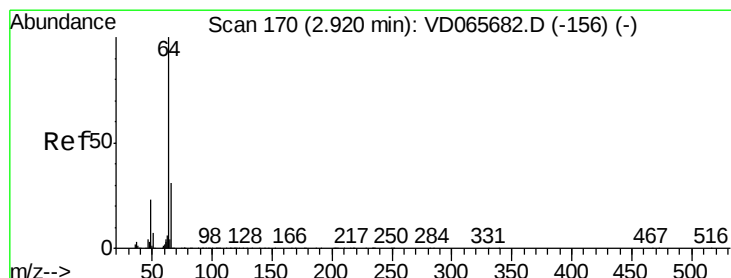
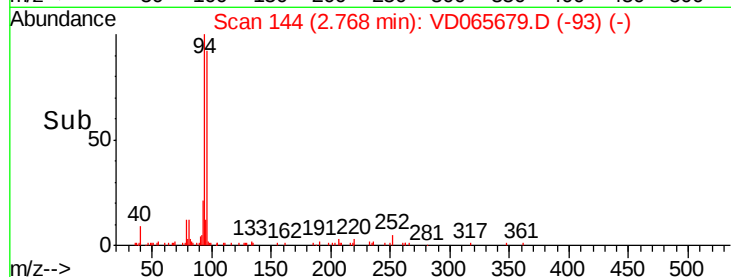
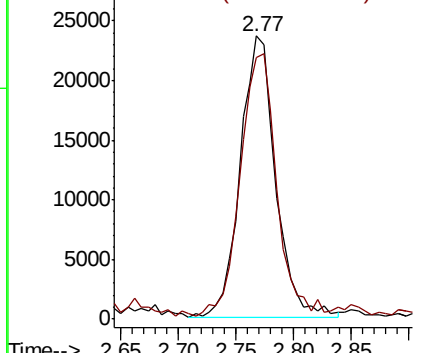
94 100

96 90.3 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.688 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD065679.D

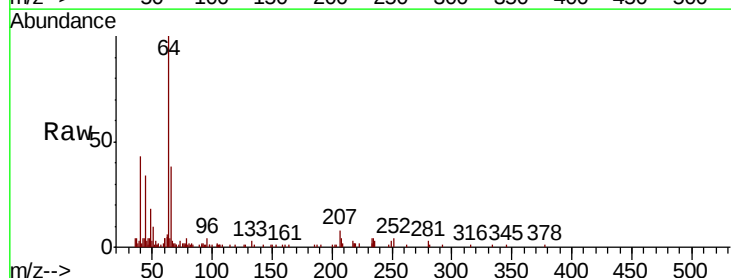
Acq: 29 Apr 2020 13:34

Tgt Ion: 64 Resp: 37706

Ion Ratio Lower Upper

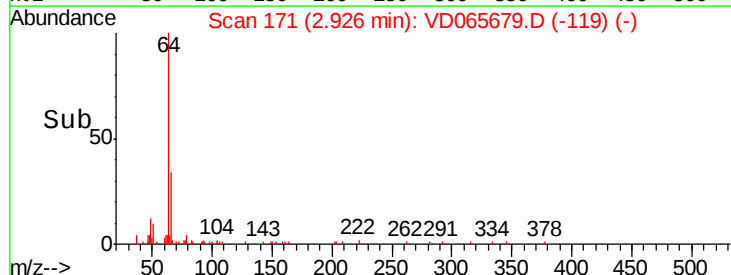
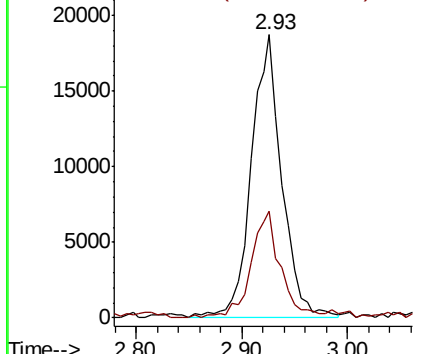
64 100

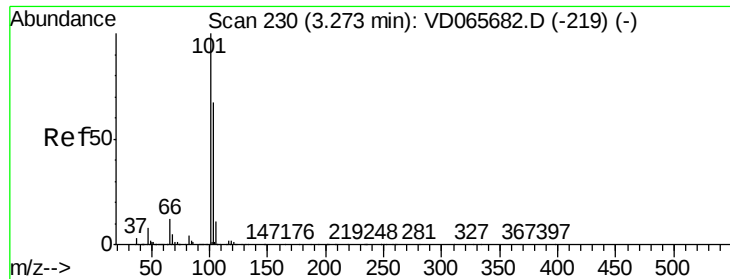
66 37.6 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



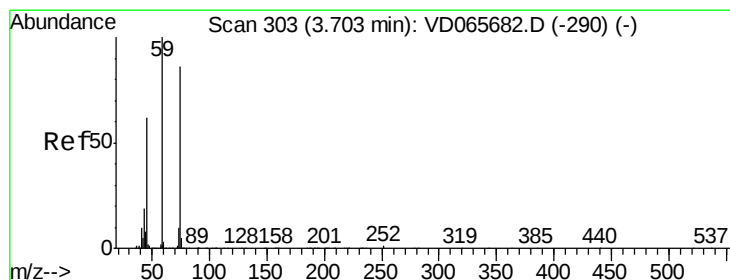
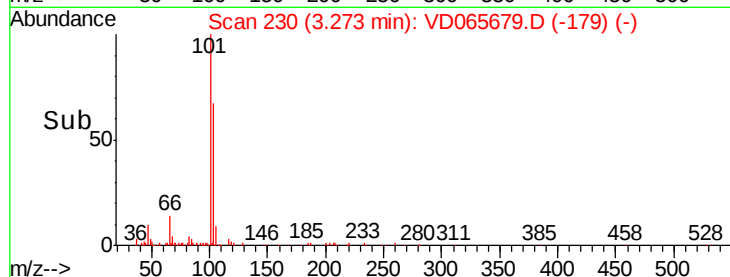
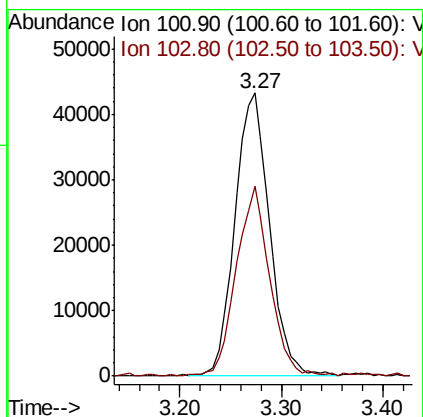
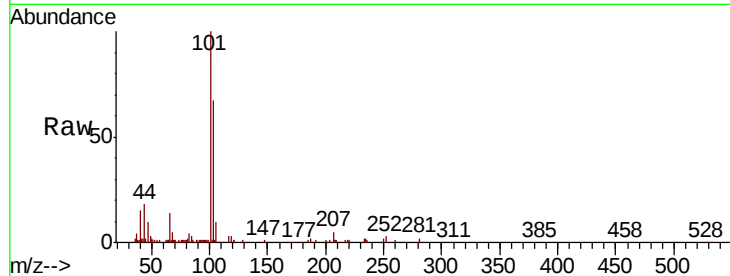


#7

Trichlorofluoromethane
 Concen: 5.718 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065679.D
 Acq: 29 Apr 2020 13:34

Instrument :
 MSVOA_D
 ClientSampleId :

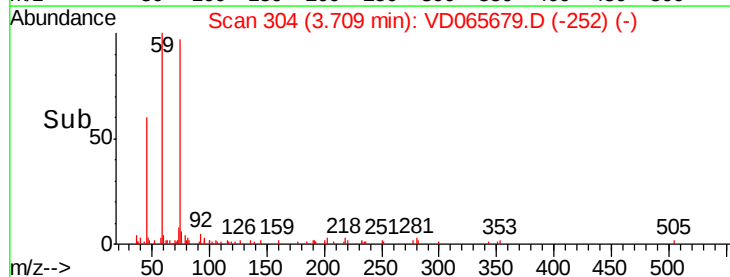
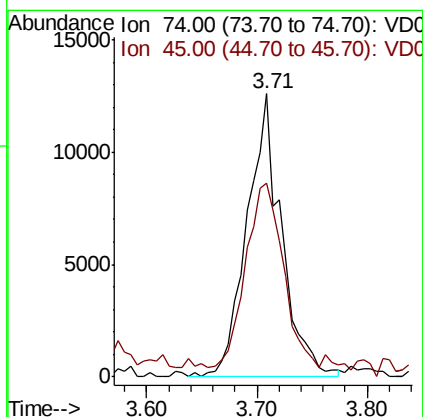
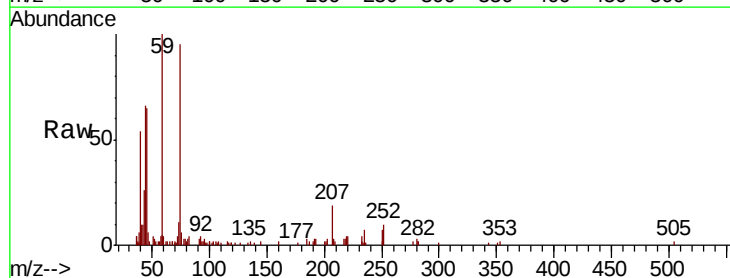
Tot Ion:101 Resp: 102332
 Ion Ratio Lower Upper
 101 100
 103 67.2 53.9 80.9

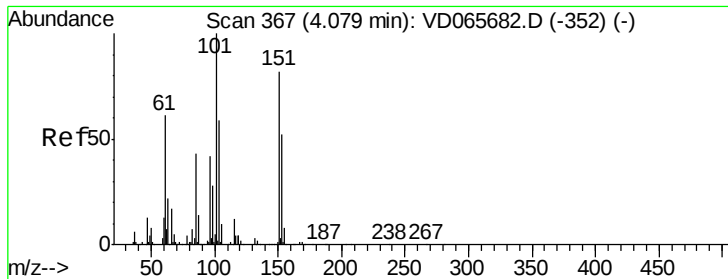


#8

Diethyl Ether
 Concen: 5.495 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD065679.D
 Acq: 29 Apr 2020 13:34

Tgt Ion: 74 Resp: 27681
 Ion Ratio Lower Upper
 74 100
 45 71.0 38.0 113.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 7.120 ug/l

RT: 4.08 min Scan# 367

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

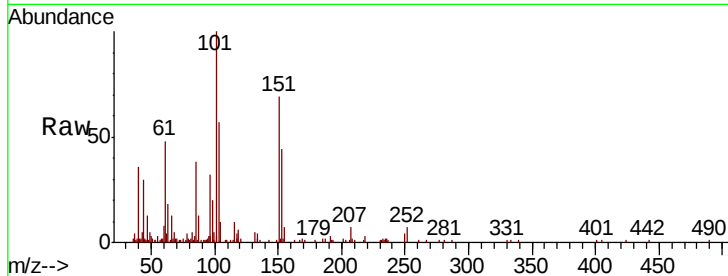
Tot Ion:101 Resp: 61421

Ion Ratio Lower Upper

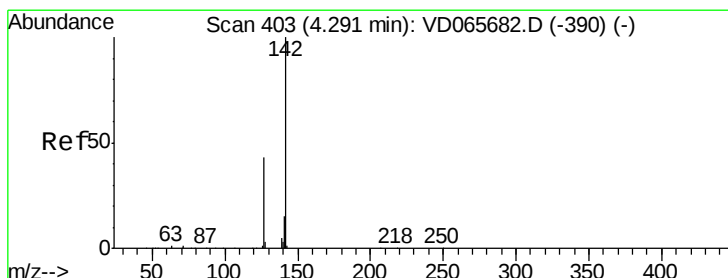
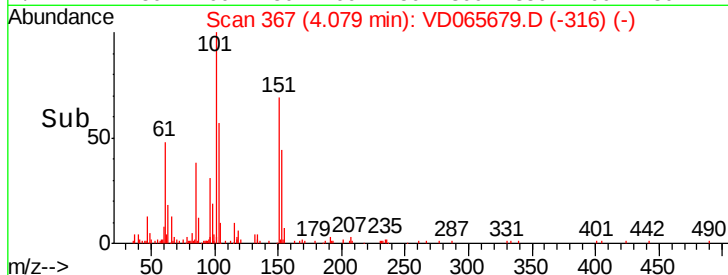
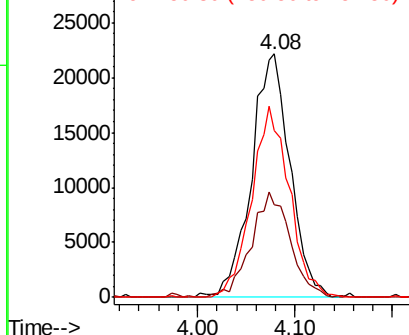
101 100

85 43.6 35.4 53.2

151 76.8 64.1 96.1



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: 4.272 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

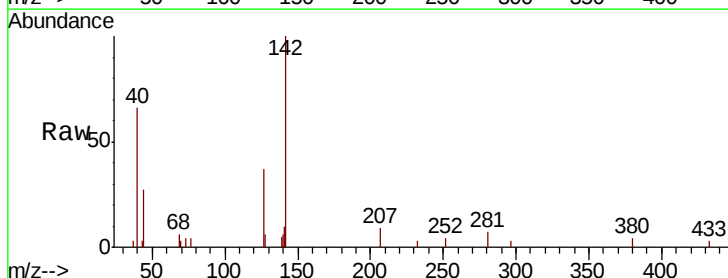
Tgt Ion:142 Resp: 15693

Ion Ratio Lower Upper

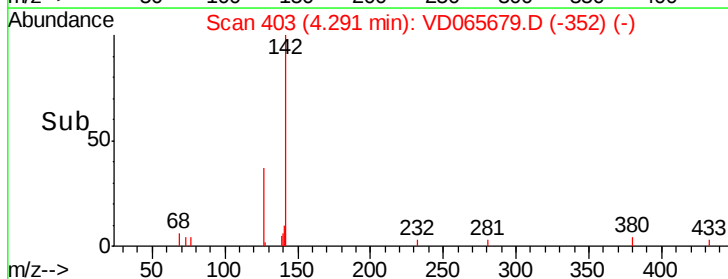
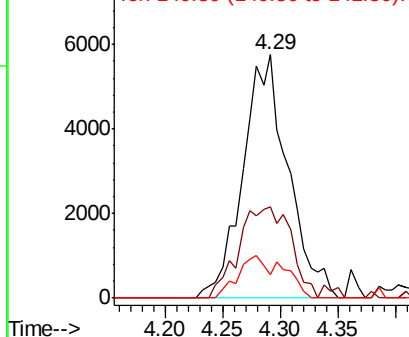
142 100

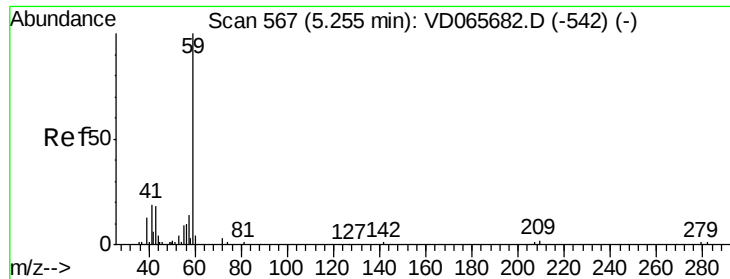
127 43.3 36.7 55.1

141 11.3 12.2 18.2#



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

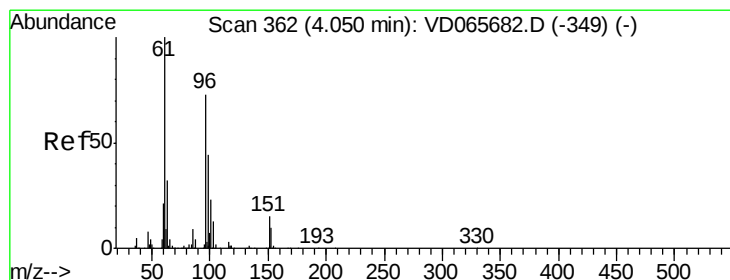
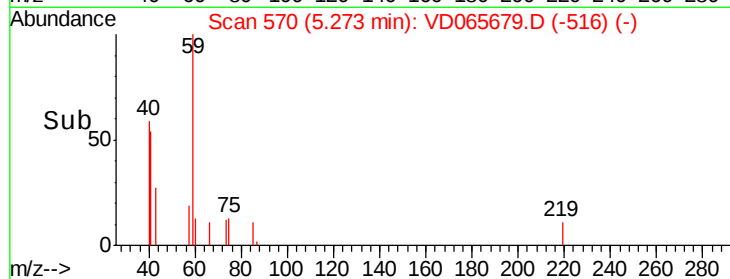
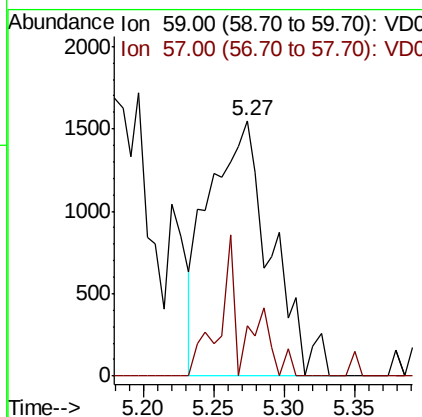
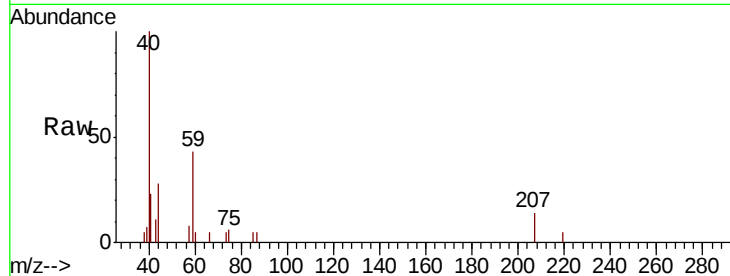




#11
Tert butyl alcohol
Concen: 26.345 ug/l
RT: 5.27 min Scan# 570
Delta R.T. 0.02 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

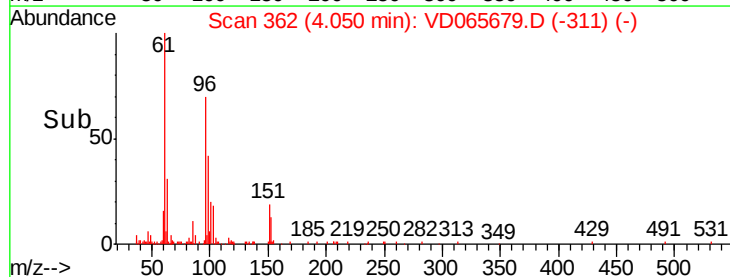
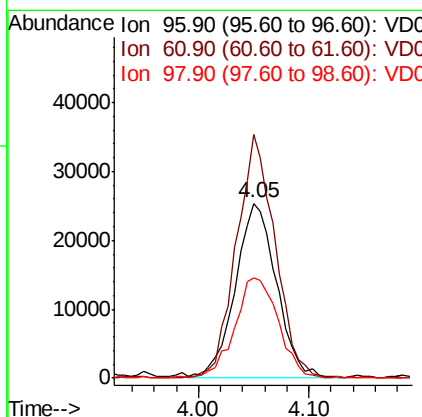
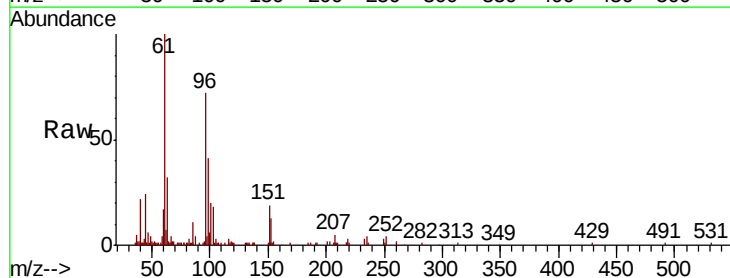
Instrument :
MSVOA_D
ClientSampleId :

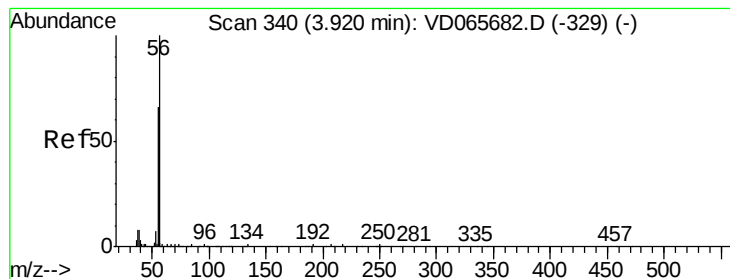
Tot Ion: 59 Resp: 4745
Ion Ratio Lower Upper
59 100
57 5.6 6.8 10.2#



#12
1,1-Dichloroethene
Concen: 7.837 ug/l
RT: 4.05 min Scan# 362
Delta R.T. 0.00 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

Tgt Ion: 96 Resp: 66383
Ion Ratio Lower Upper
96 100
61 138.4 108.9 163.3
98 56.9 47.8 71.8





#13

Acrolein

Concen: 34.476 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

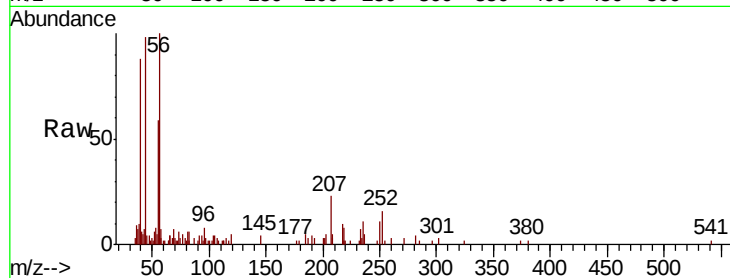
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 20430

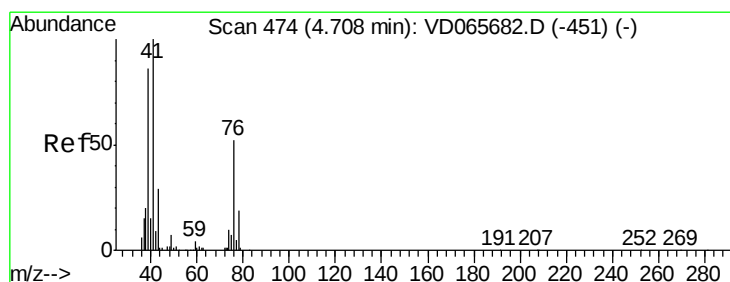
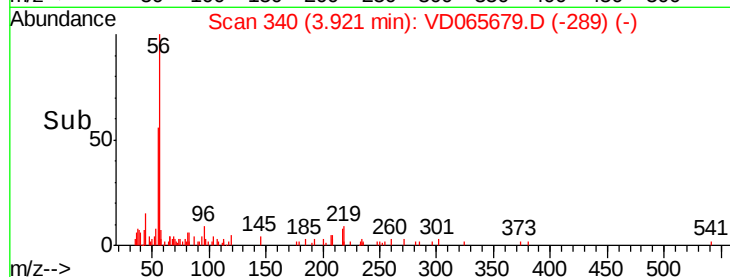
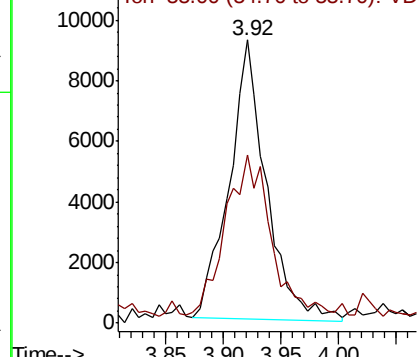
Ion Ratio Lower Upper

56 100

55 79.7 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.221 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

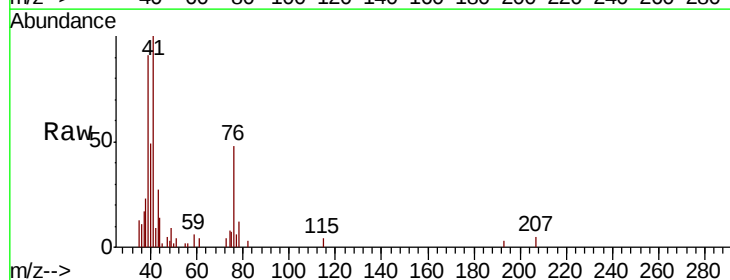
Tgt Ion: 41 Resp: 22174

Ion Ratio Lower Upper

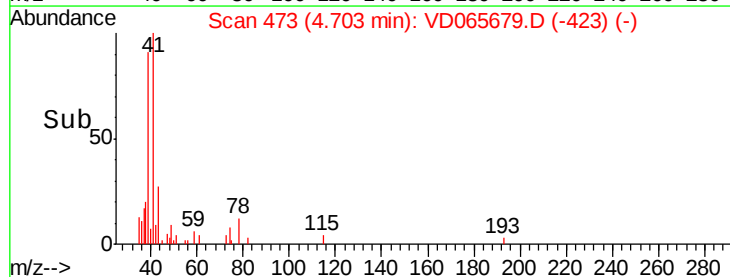
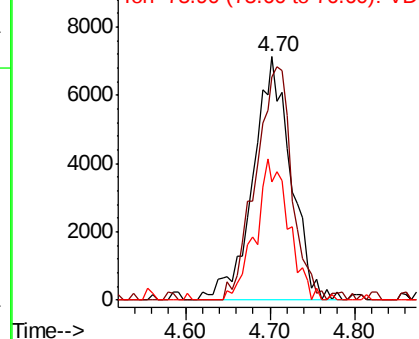
41 100

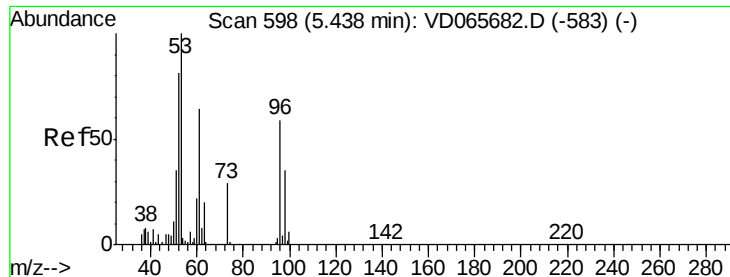
39 91.9 66.2 99.4

76 50.8 41.3 61.9



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 23.112 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :
MSVOA_D
ClientSampled :

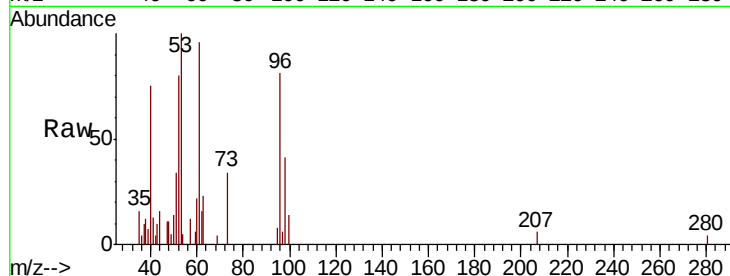
Tot Ion: 53 Resp: 16422

Ion Ratio Lower Upper

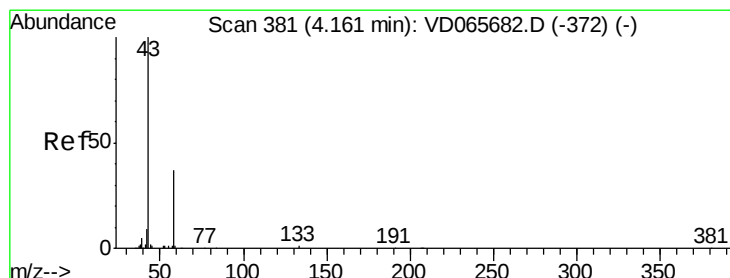
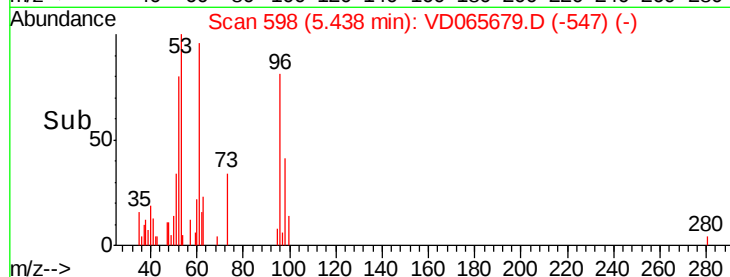
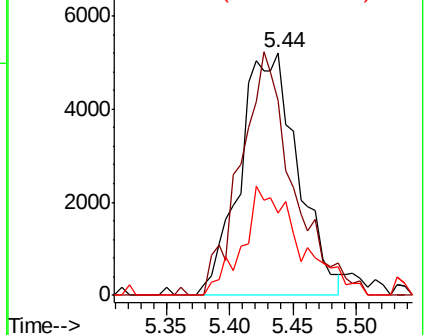
53 100

52 92.0 66.2 99.4

51 45.0 31.5 47.3



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



#16

Acetone

Concen: 26.321 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065679.D

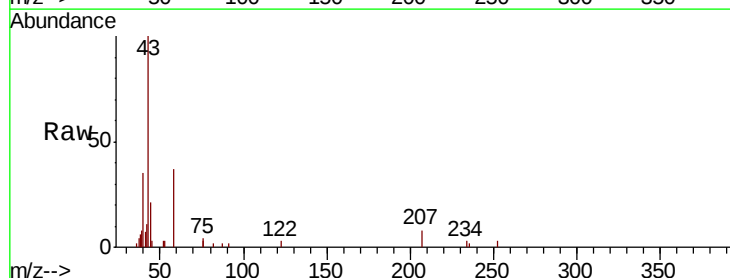
Acq: 29 Apr 2020 13:34

Tgt Ion: 43 Resp: 21054

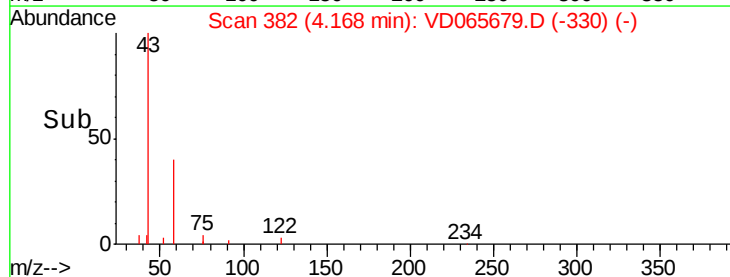
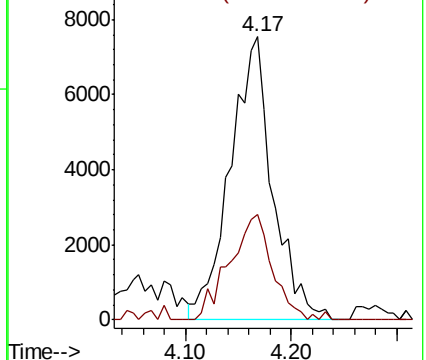
Ion Ratio Lower Upper

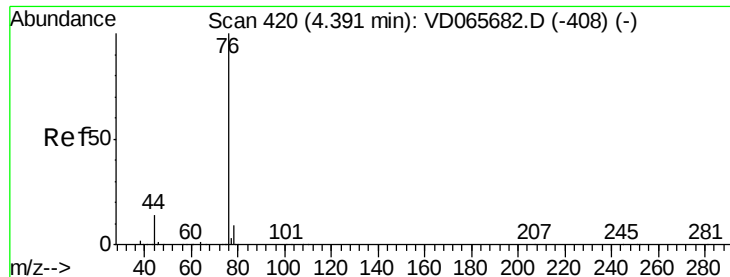
43 100

58 37.4 29.2 43.8



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

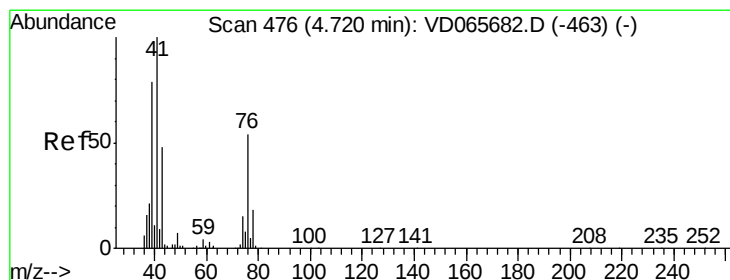
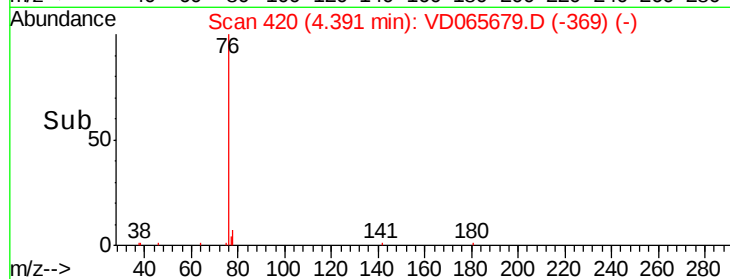
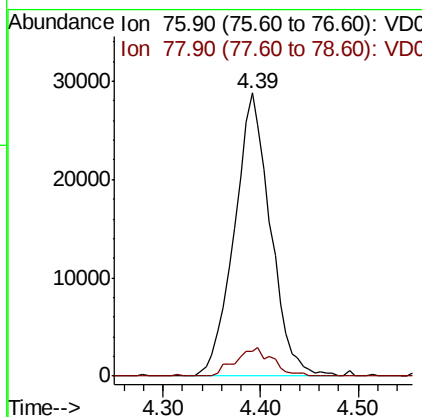
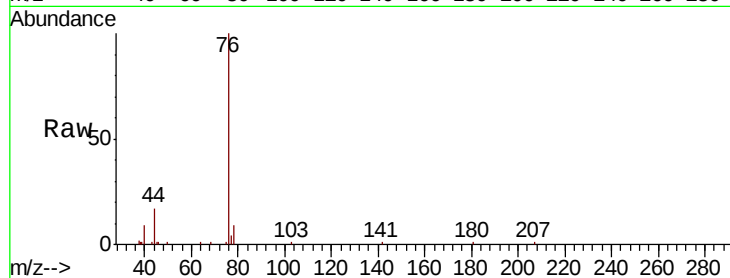




#17
Carbon Disulfide
Concen: 5.310 ug/l
RT: 4.39 min Scan# 420
Delta R.T. 0.00 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

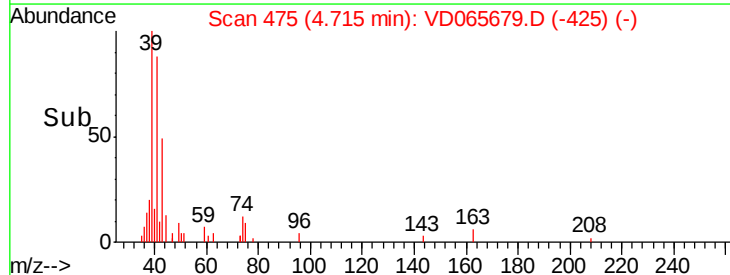
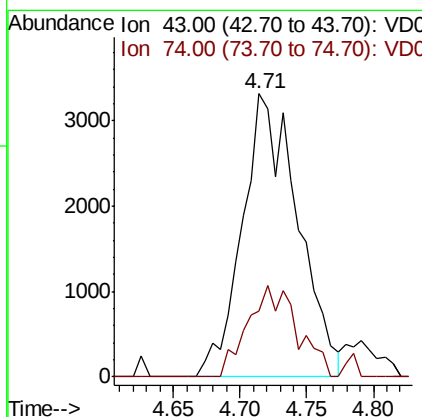
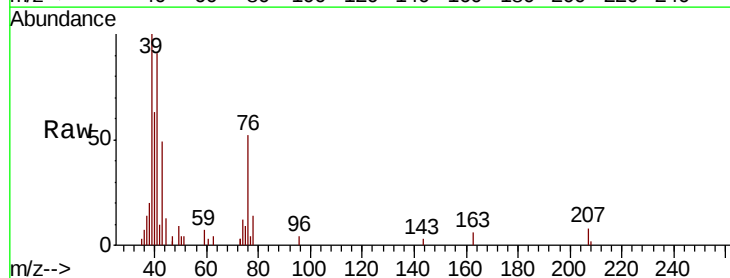
Instrument :
MSVOA_D
ClientSampleId :

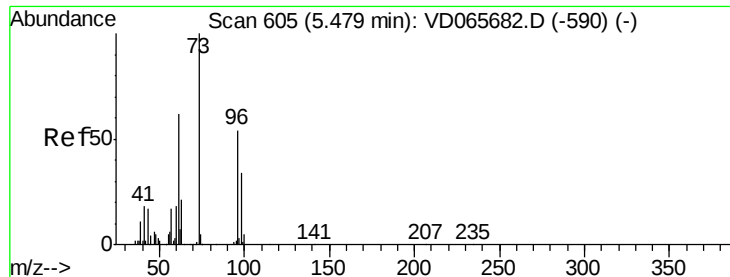
Tot Ion: 76 Resp: 73977
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 5.428 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

Tgt Ion: 43 Resp: 9558
Ion Ratio Lower Upper
43 100
74 28.6 26.5 39.7



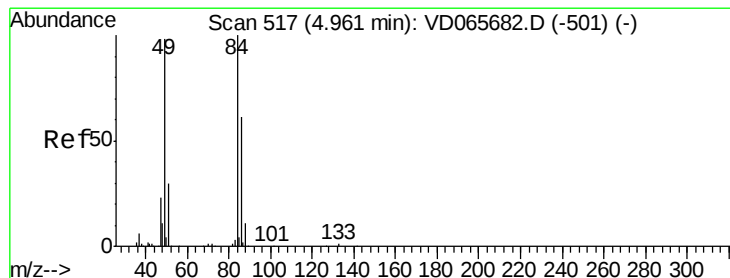
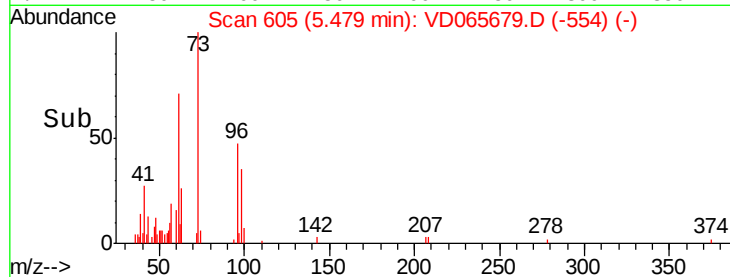
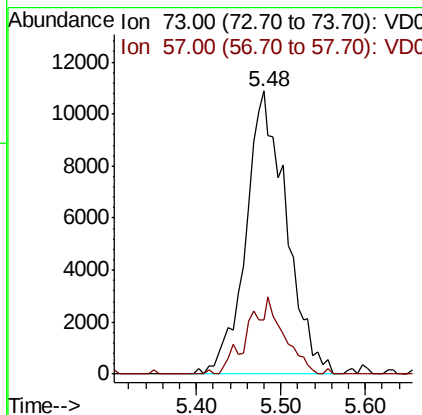
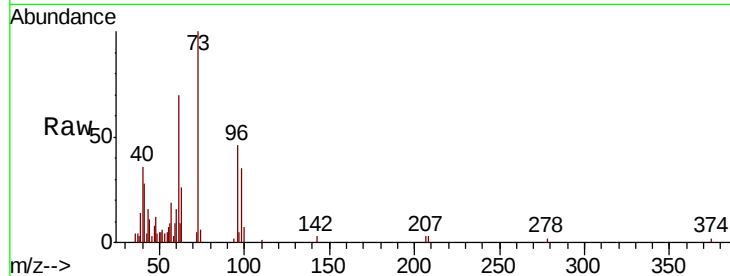


#19

Methyl tert-butyl Ether
 Concen: 4.613 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD065679.D
 Acq: 29 Apr 2020 13:34

Instrument :
 MSVOA_D
 ClientSampleId :

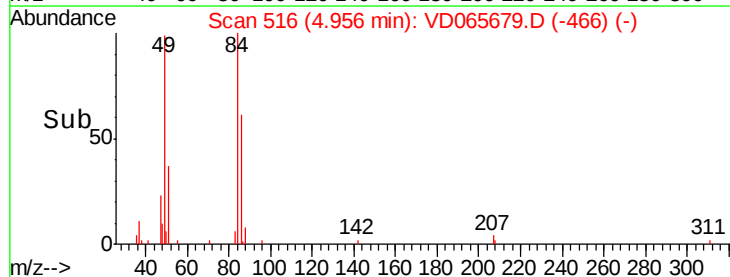
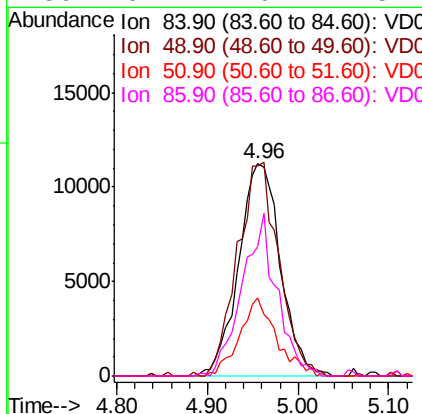
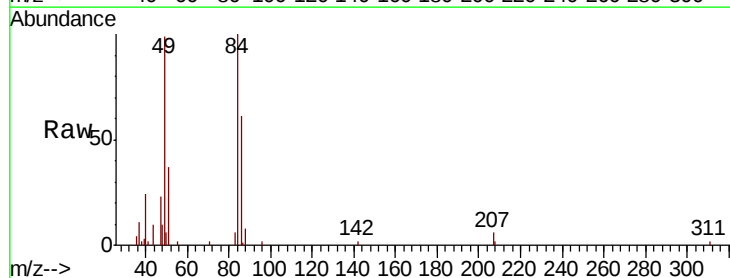
Tot Ion: 73 Resp: 36203
 Ion Ratio Lower Upper
 73 100
 57 19.0 13.7 20.5

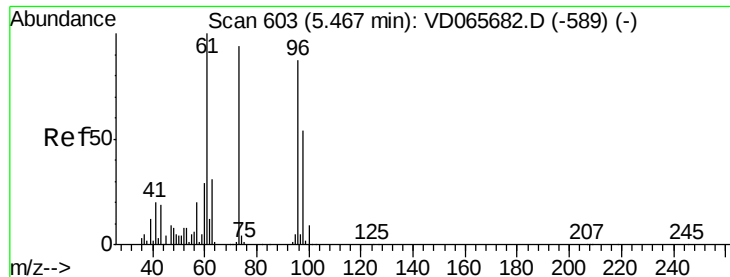


#20

Methylene Chloride
 Concen: 6.203 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD065679.D
 Acq: 29 Apr 2020 13:34

Tgt Ion: 84 Resp: 36056
 Ion Ratio Lower Upper
 84 100
 49 99.2 78.6 118.0
 51 36.8 24.1 36.1#
 86 61.2 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 5.258 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

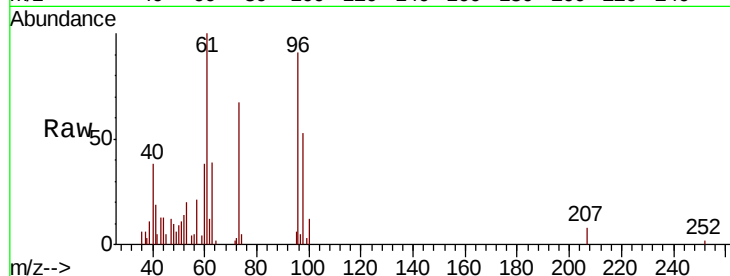
Tot Ion: 96 Resp: 27209

Ion Ratio Lower Upper

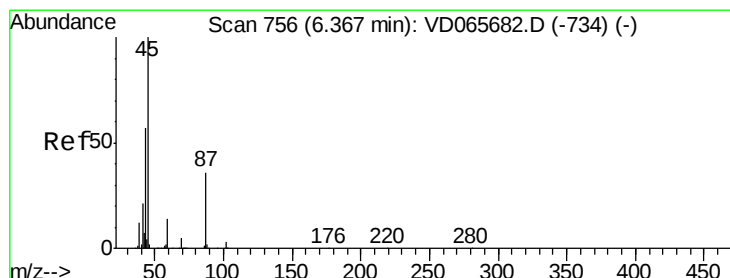
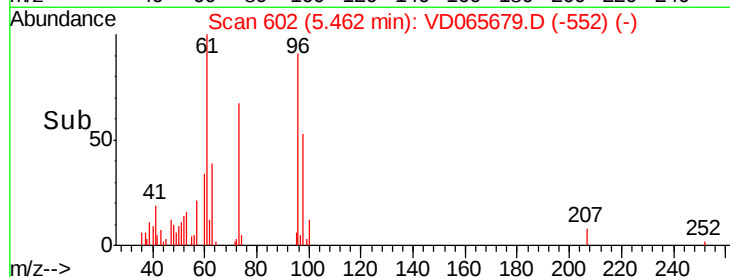
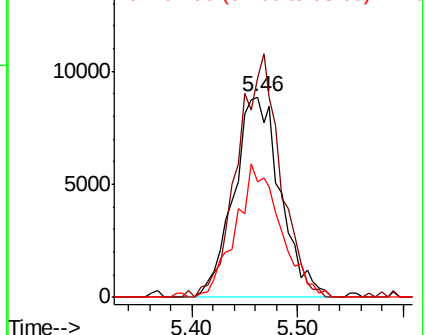
96 100

61 109.3 91.7 137.5

98 57.9 49.2 73.8



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



#22

Diisopropyl ether

Concen: 4.305 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Tgt Ion: 45 Resp: 39420

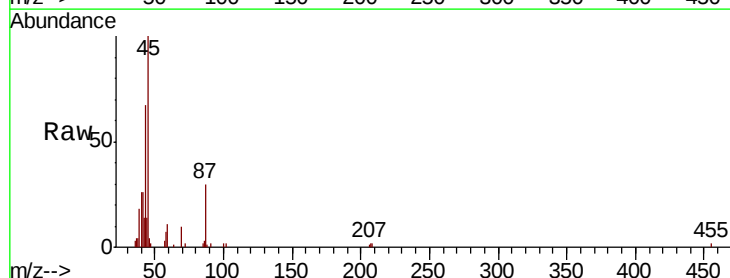
Ion Ratio Lower Upper

45 100

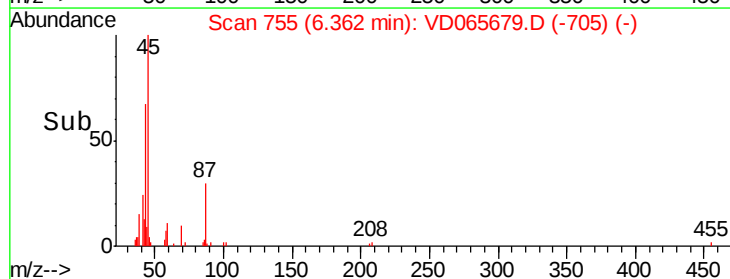
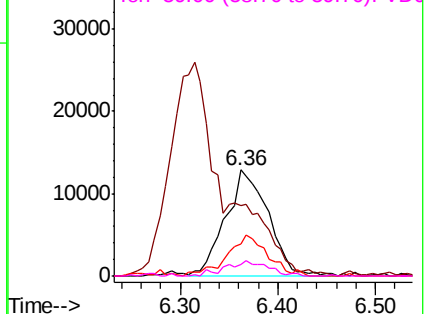
43 67.0 45.6 68.4

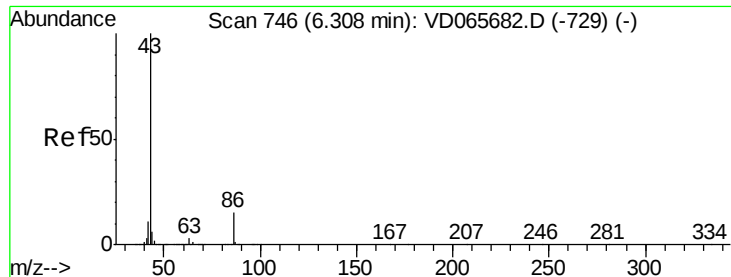
87 30.4 29.3 43.9

59 11.4 11.3 16.9



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: 18.607 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

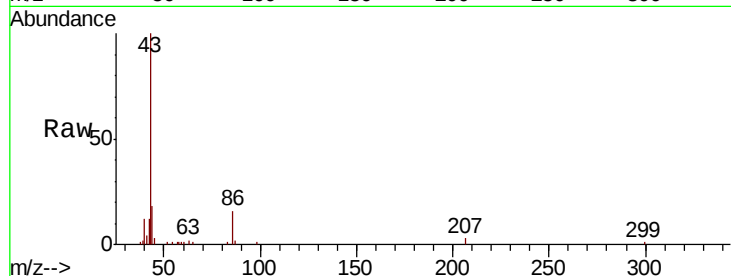
ClientSampled :

Tot Ion: 43 Resp: 77617

Ion Ratio Lower Upper

43 100

86 16.3 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

30000

25000

20000

15000

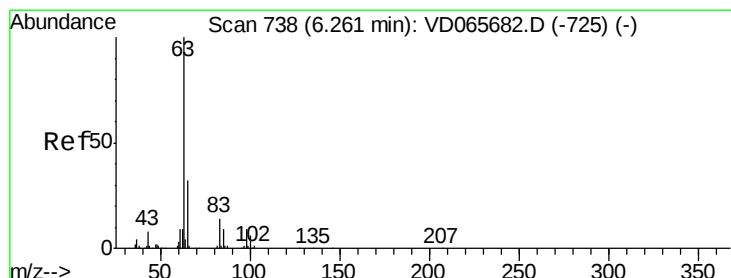
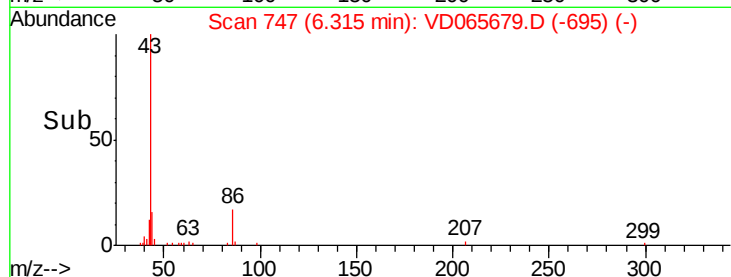
10000

5000

0

6.20 6.25 6.30 6.35

Time-->



#24

1,1-Dichloroethane

Concen: 5.226 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

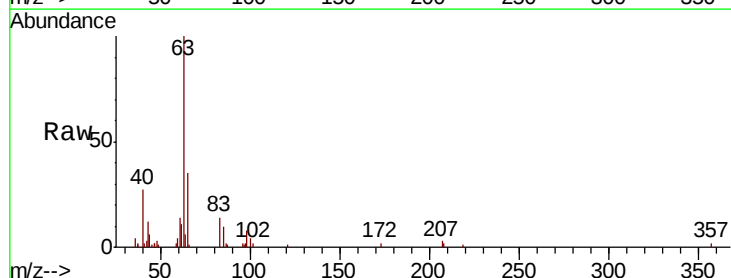
Tgt Ion: 63 Resp: 42478

Ion Ratio Lower Upper

63 100

98 7.9 4.3 13.1

100 4.0 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

15000

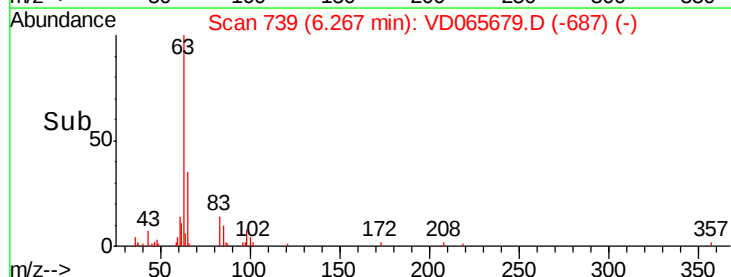
10000

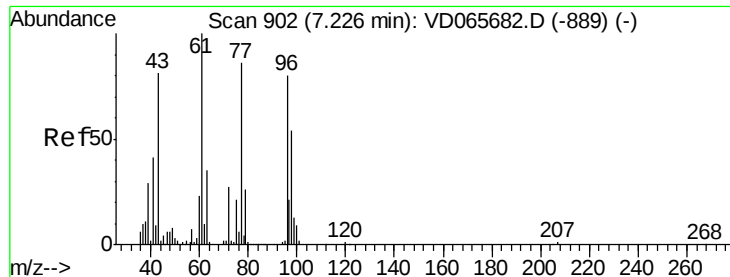
5000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 24.691 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

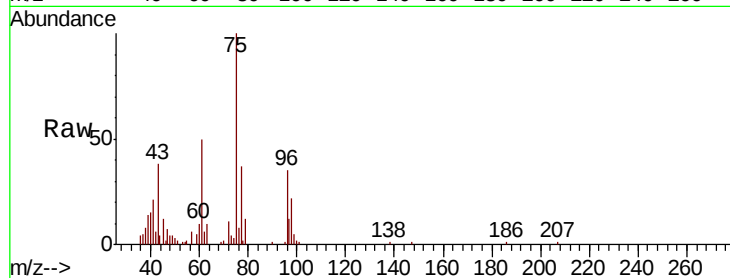
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 19984

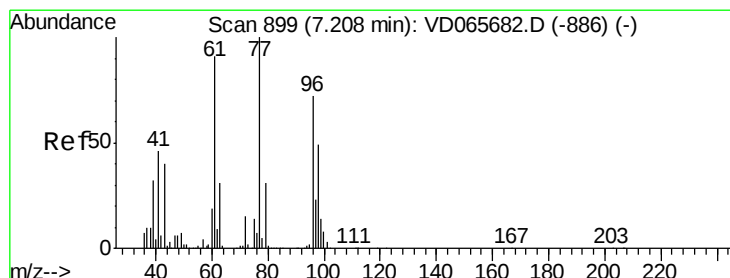
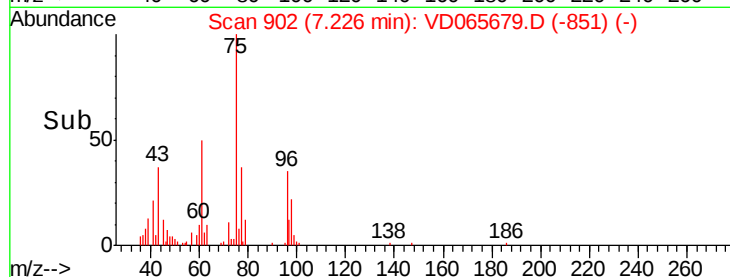
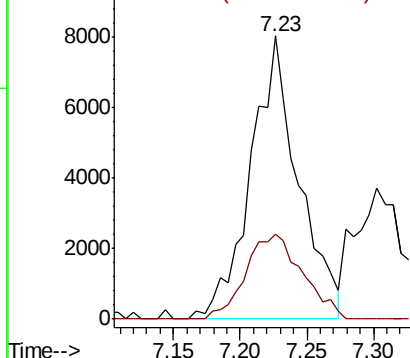
Ion Ratio Lower Upper

43 100

72 29.9 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 5.215 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065679.D

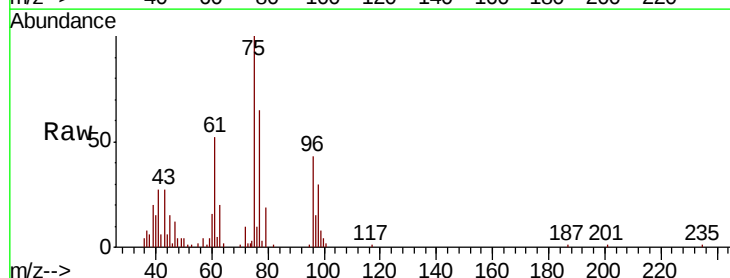
Acq: 29 Apr 2020 13:34

Tgt Ion: 77 Resp: 41229

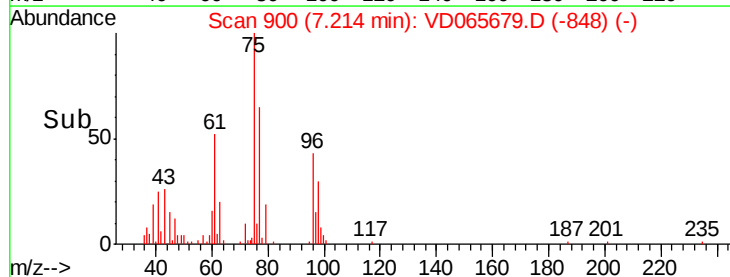
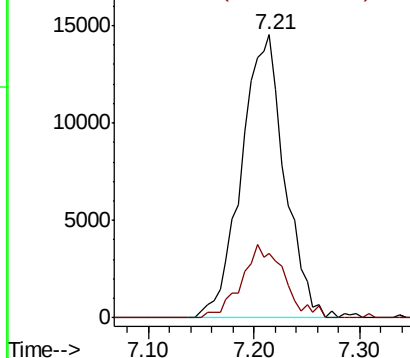
Ion Ratio Lower Upper

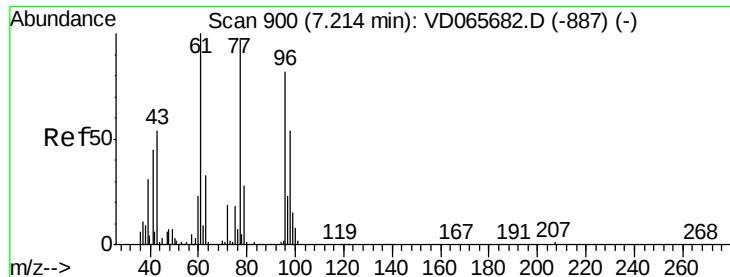
77 100

97 25.3 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



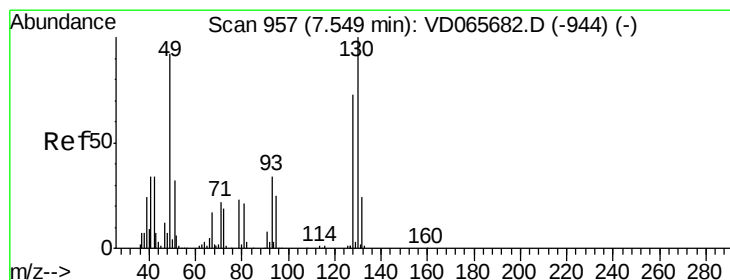
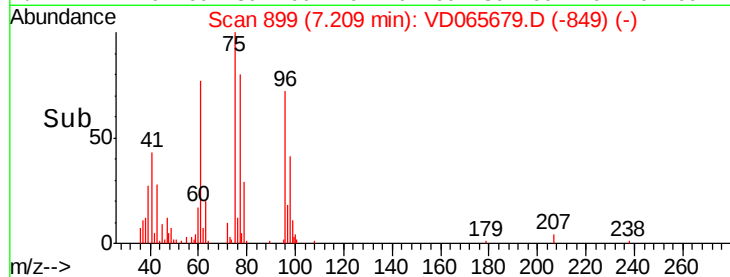
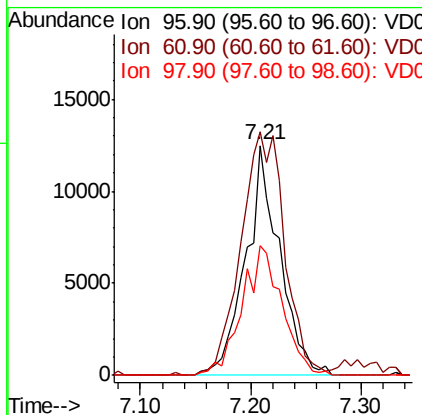
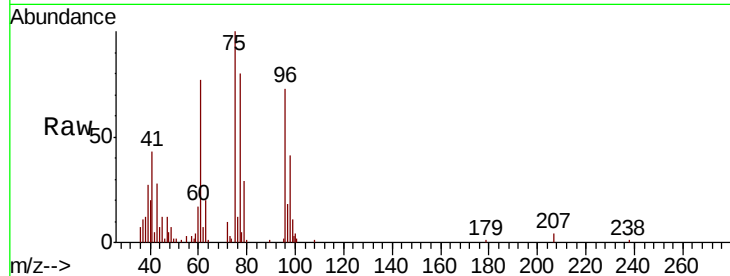


#27

cis-1,2-Dichloroethene
Concen: 5.030 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

Instrument :
MSVOA_D
ClientSampleId :

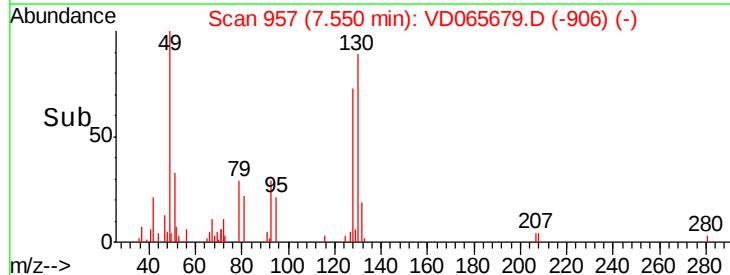
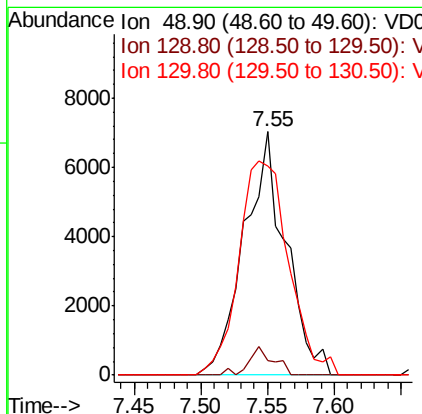
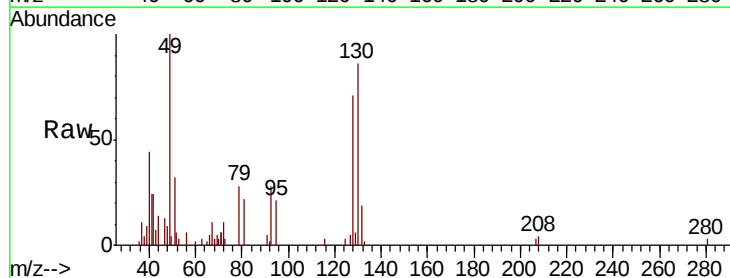
Tot Ion: 96 Resp: 26921
Ion Ratio Lower Upper
96 100
61 136.3 0.0 250.8
98 66.4 0.0 129.8

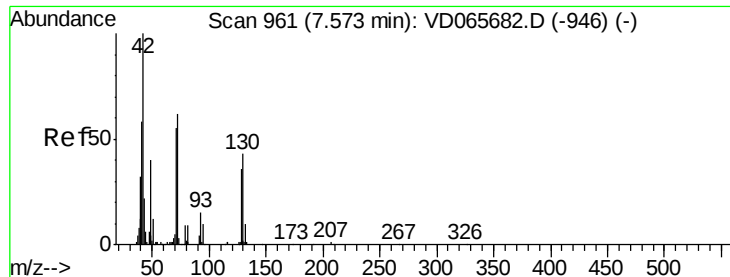


#28

Bromochloromethane
Concen: 5.016 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

Tgt Ion: 49 Resp: 15139
Ion Ratio Lower Upper
49 100
129 6.8 0.0 6.8#
130 105.6 86.4 129.6

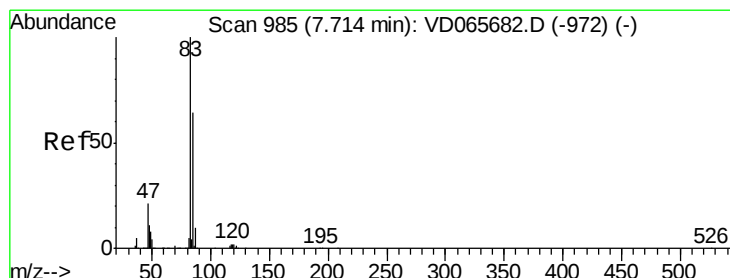
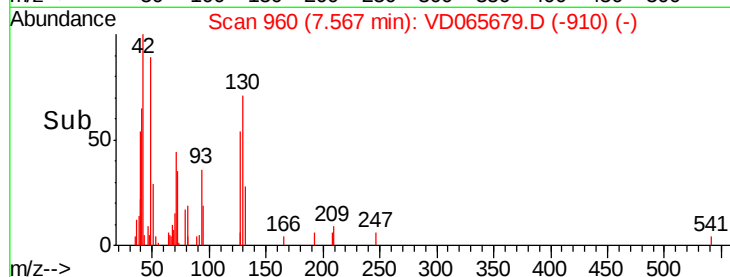
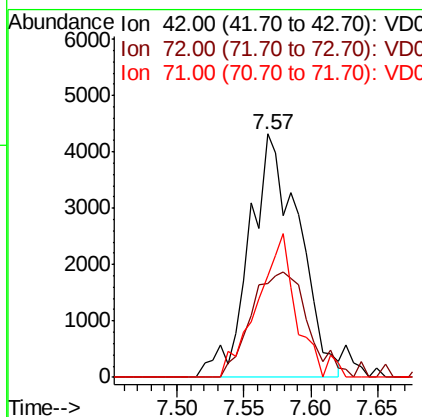
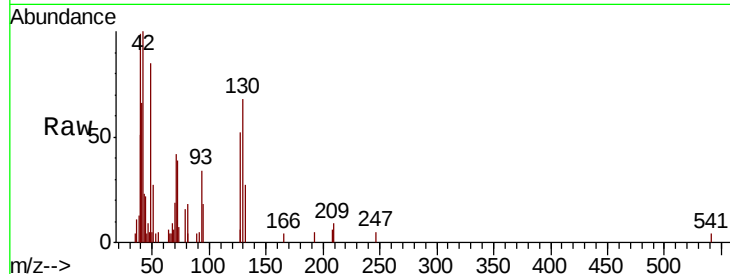




#29
Tetrahydrofuran
Concen: 23.856 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

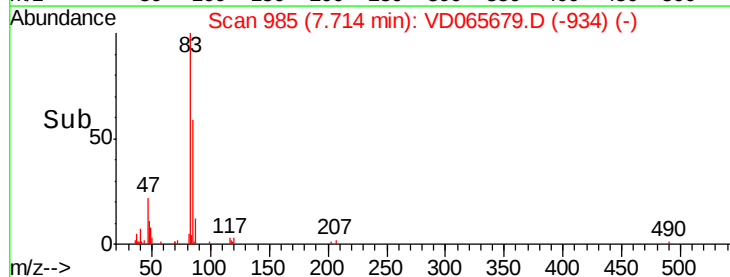
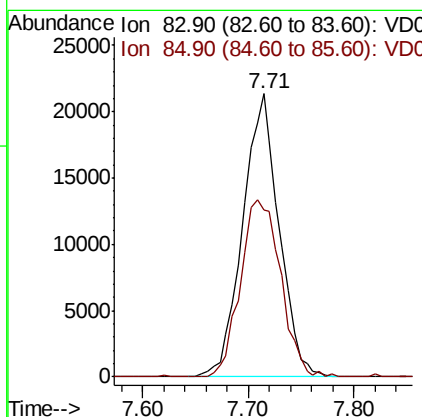
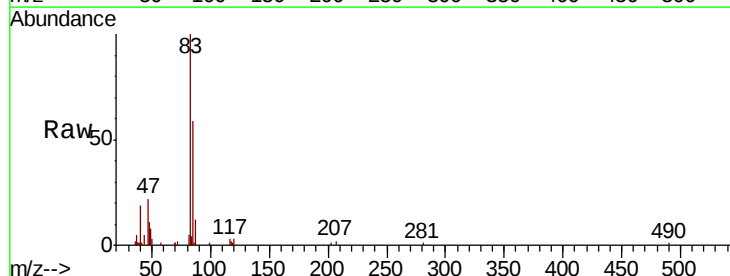
Instrument :
MSVOA_D
ClientSampleId :

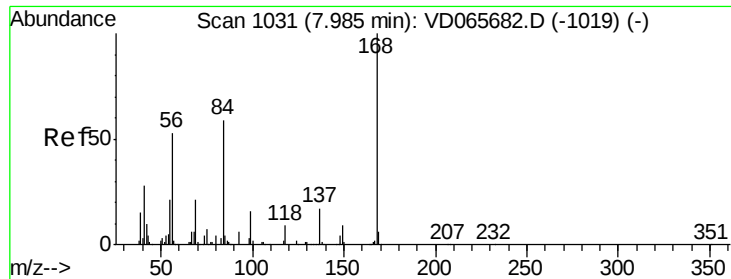
Tot Ion: 42 Resp: 11175
Ion Ratio Lower Upper
42 100
72 49.1 47.9 71.9
71 46.9 45.4 68.0



#30
Chloroform
Concen: 5.188 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

Tgt Ion: 83 Resp: 51012
Ion Ratio Lower Upper
83 100
85 58.9 51.0 76.6

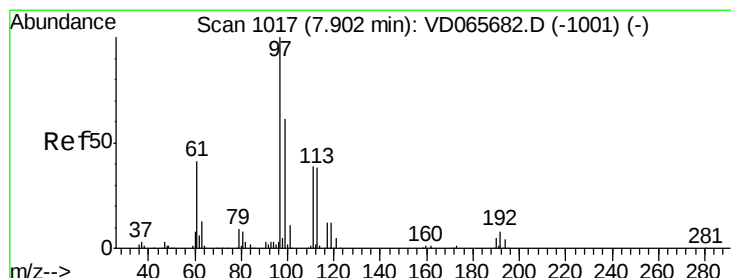
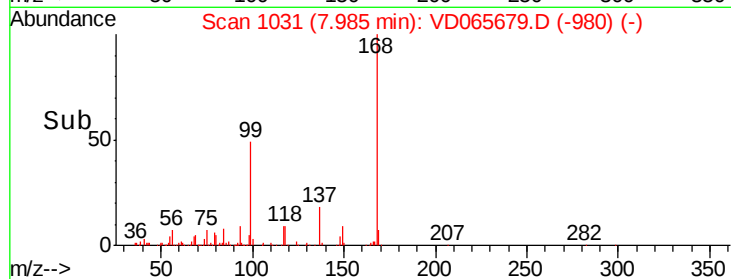
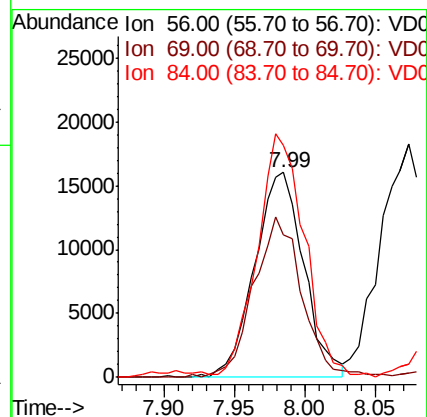
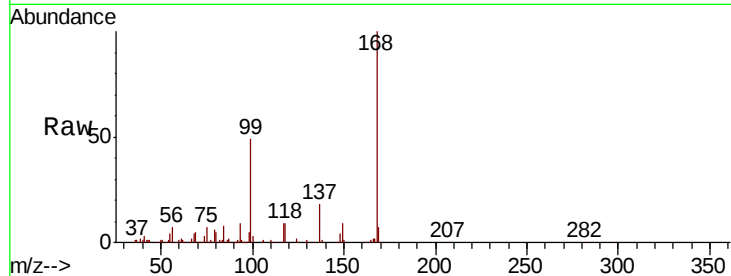




#31
Cyclohexane
Concen: 5.678 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

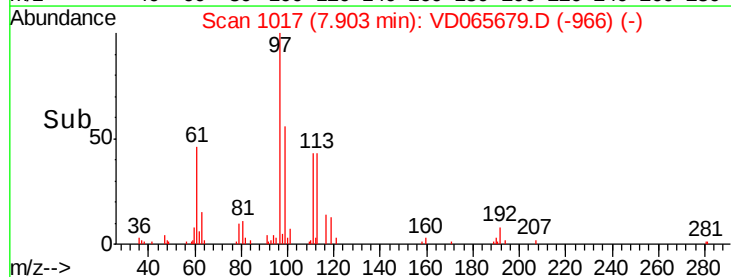
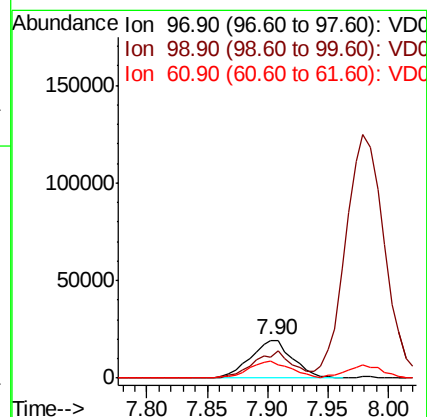
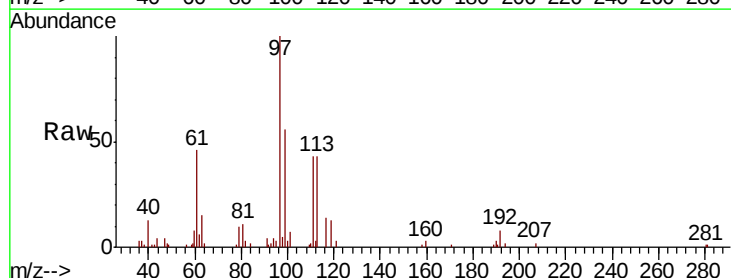
Instrument :
MSVOA_D
ClientSampled :

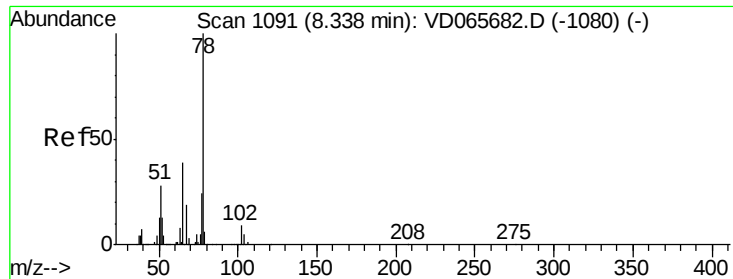
Tot Ion: 56 Resp: 39086
Ion Ratio Lower Upper
56 100
69 68.3 31.1 46.7#
84 111.3 88.9 133.3



#32
1,1,1-Trichloroethane
Concen: 5.194 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

Tgt Ion: 97 Resp: 47201
Ion Ratio Lower Upper
97 100
99 66.2 50.7 76.1
61 44.0 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 5.340 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

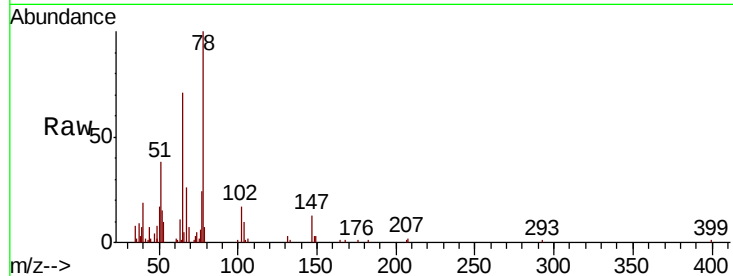
ClientSampleId :

Tot Ion: 65 Resp: 26208

Ion Ratio Lower Upper

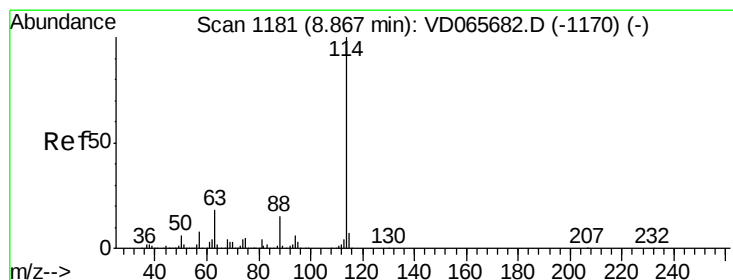
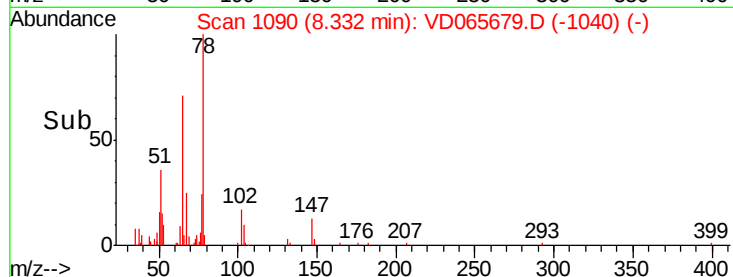
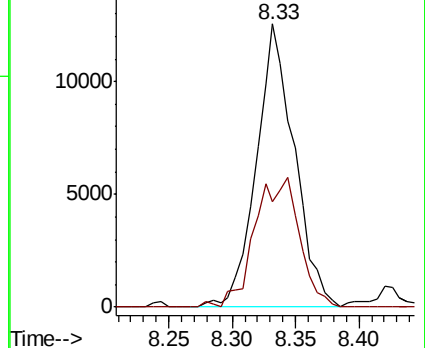
65 100

67 54.1 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

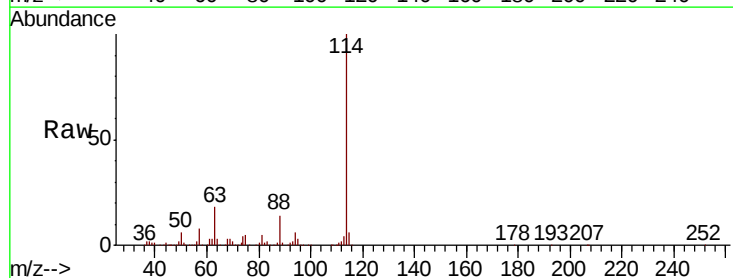
Tgt Ion: 114 Resp: 812577

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

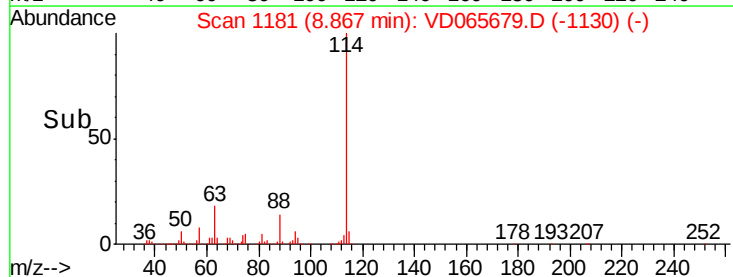
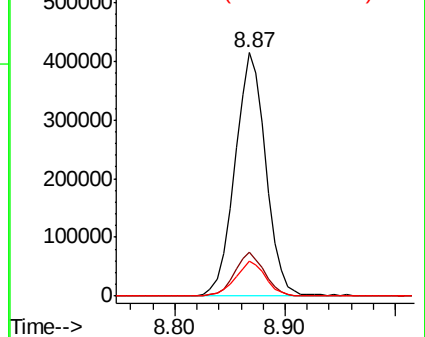
88 14.2 0.0 29.6

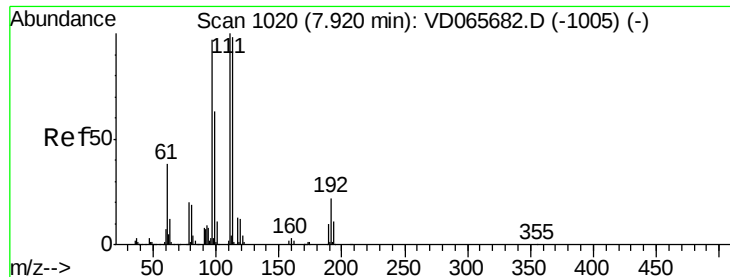


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 5.154 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :
MSVOA_D
ClientSampleId :

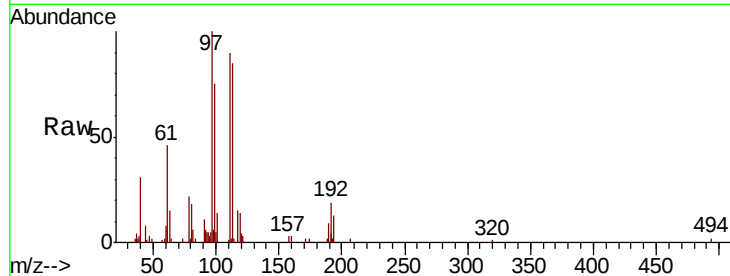
Tot Ion:113 Resp: 28653

Ion Ratio Lower Upper

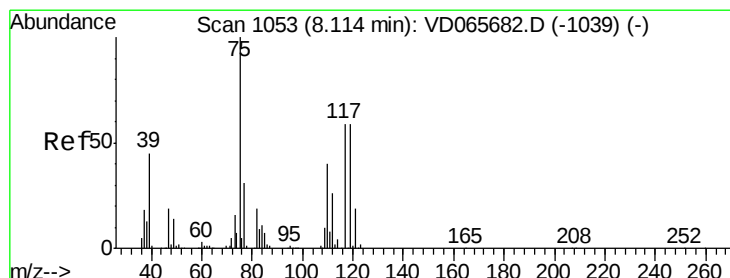
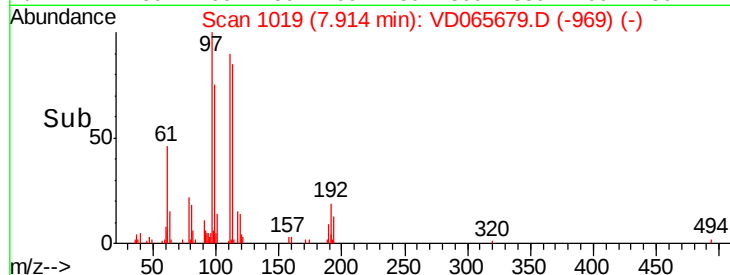
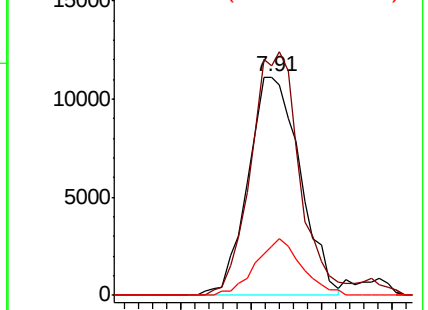
113 100

111 104.9 83.3 124.9

192 23.0 17.1 25.7



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



#36

1,1-Dichloropropene

Concen: 5.123 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

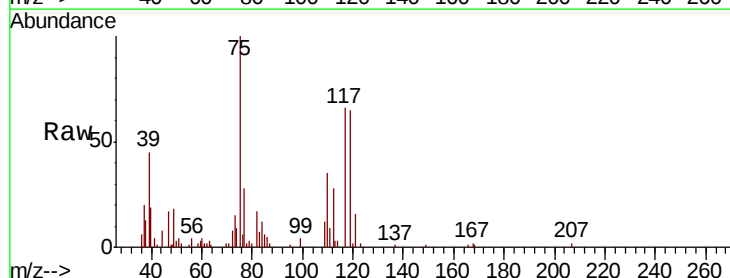
Tgt Ion: 75 Resp: 36772

Ion Ratio Lower Upper

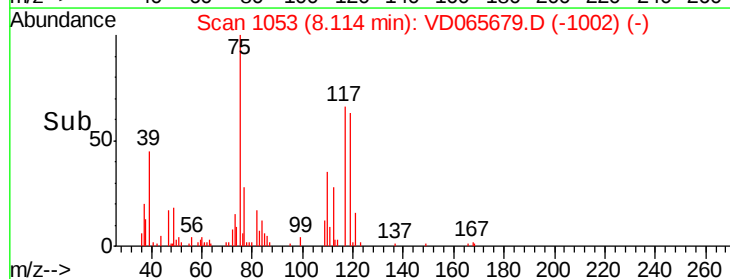
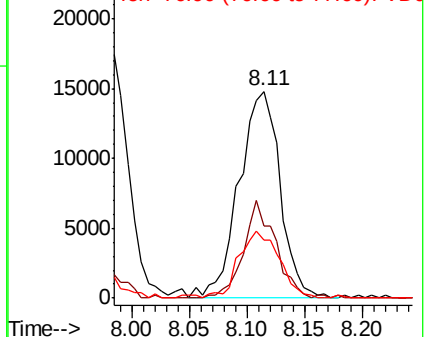
75 100

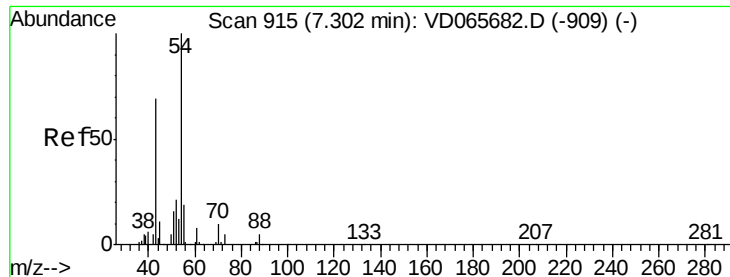
110 36.5 20.0 60.0

77 31.6 25.4 38.2



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

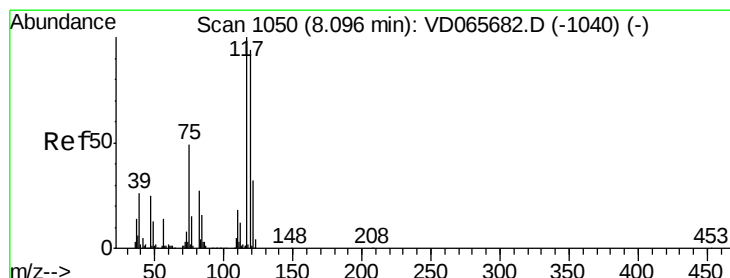
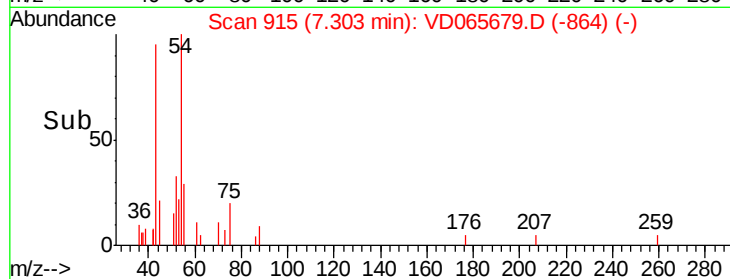
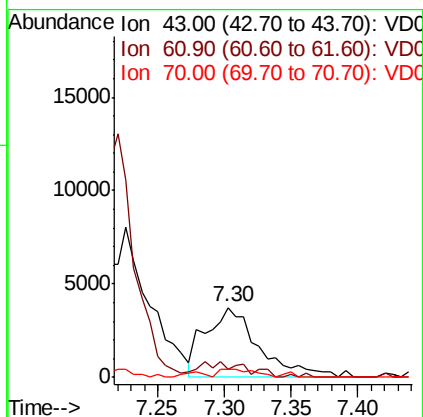
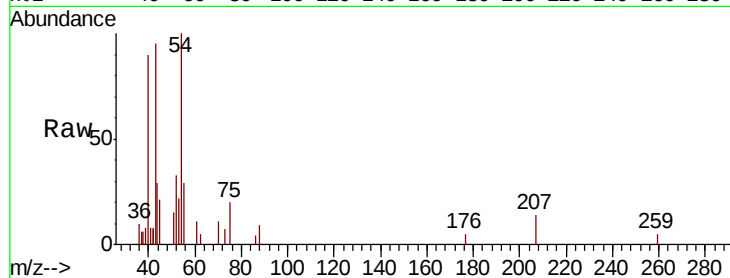




#37
Ethyl Acetate
Concen: 5.374 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

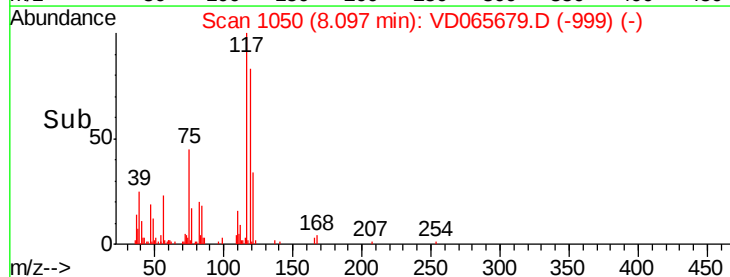
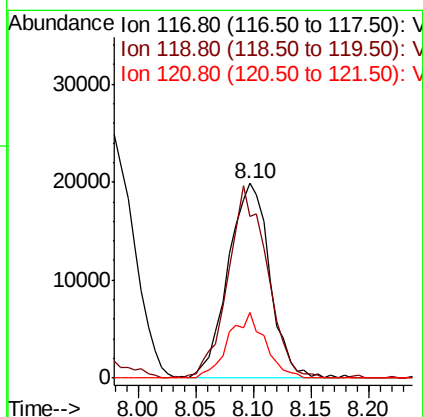
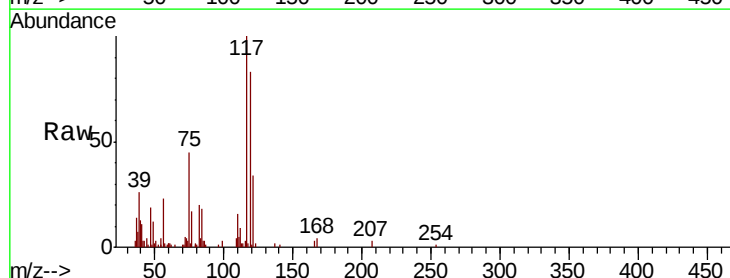
Instrument :
MSVOA_D
ClientSampled :

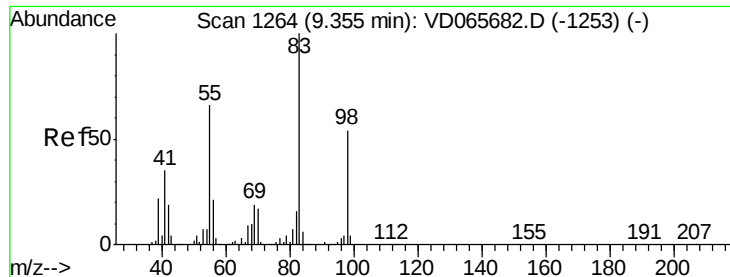
Tot Ion: 43 Resp: 10385
Ion Ratio Lower Upper
43 100
61 19.9 13.0 19.4#
70 8.3 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 5.486 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

Tgt Ion: 117 Resp: 49751
Ion Ratio Lower Upper
117 100
119 82.9 75.4 113.2
121 33.6 25.3 37.9

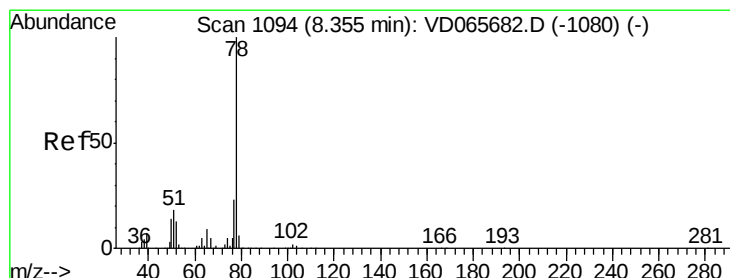
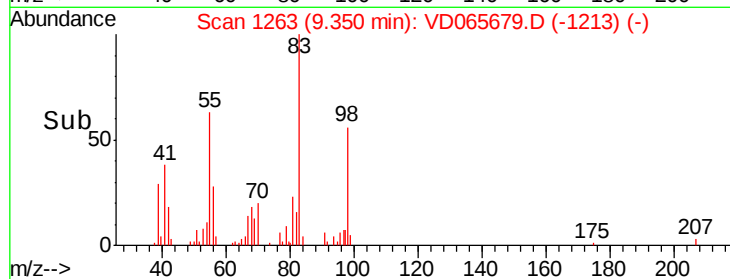
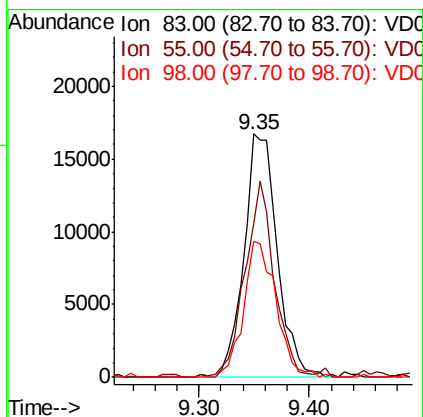
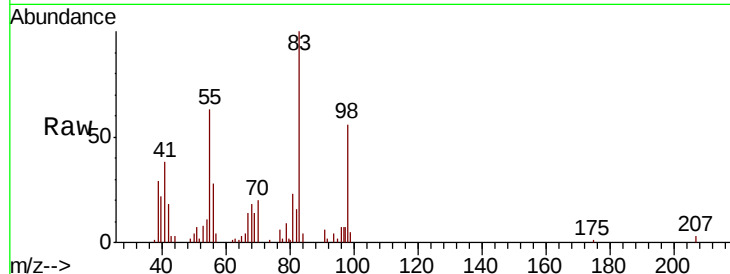




#39
Methvlcvclohexane
Concen: 4.675 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

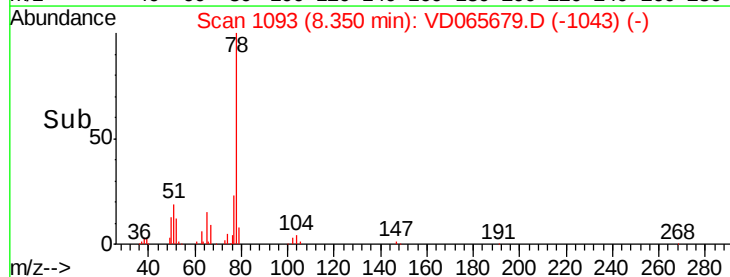
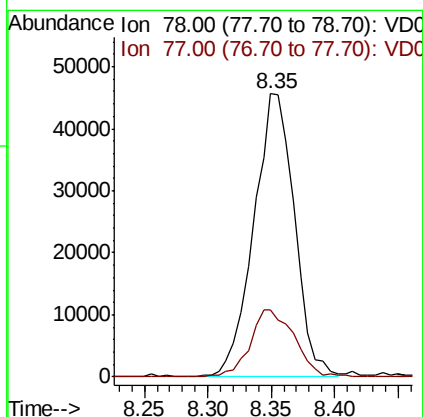
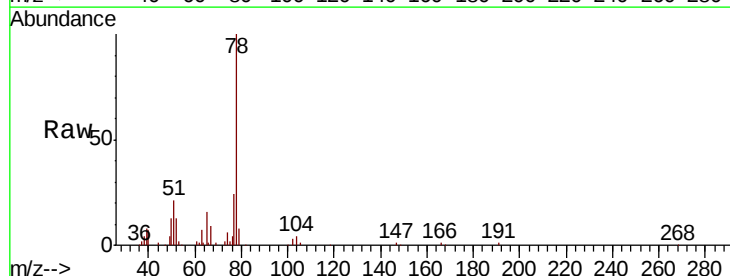
Instrument :
MSVOA_D
ClientSampleId :

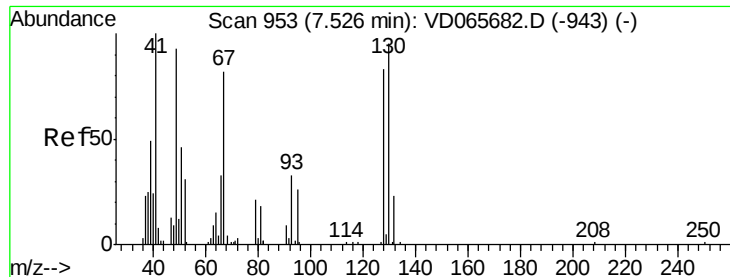
Tot Ion: 83 Resp: 35568
Ion Ratio Lower Upper
83 100
55 63.4 52.6 79.0
98 56.0 43.0 64.4



#40
Benzene
Concen: 5.026 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

Tgt Ion: 78 Resp: 101998
Ion Ratio Lower Upper
78 100
77 23.6 18.6 28.0

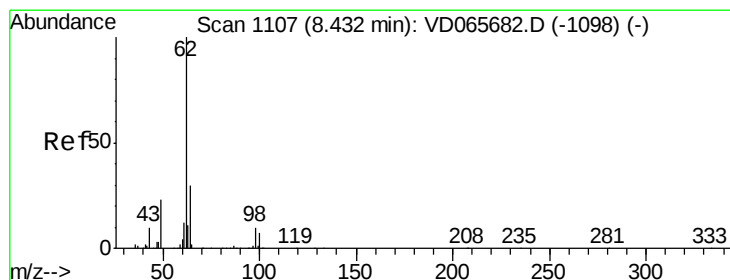
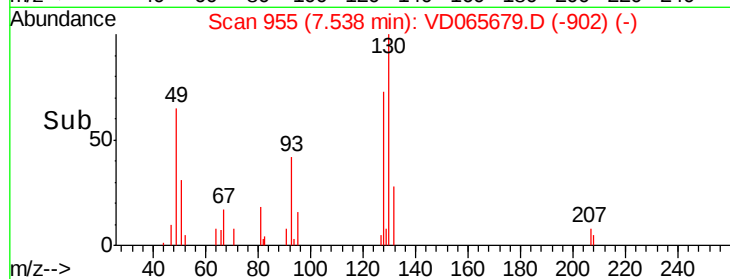
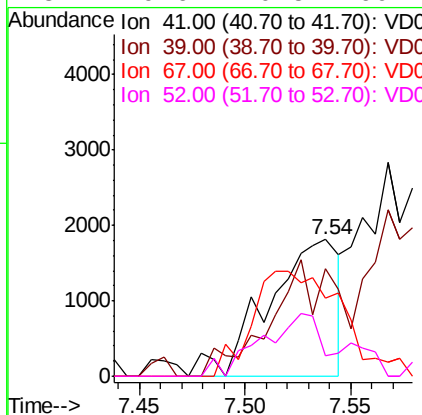
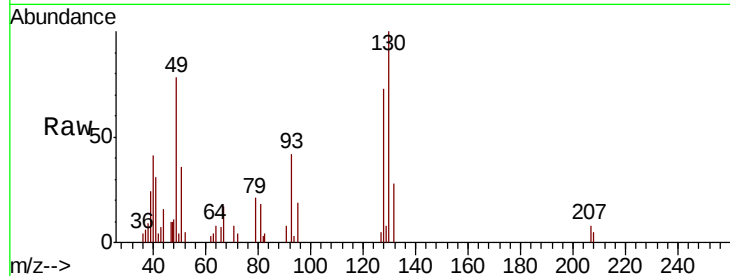




#41
Methacrylonitrile
Concen: 3.524 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

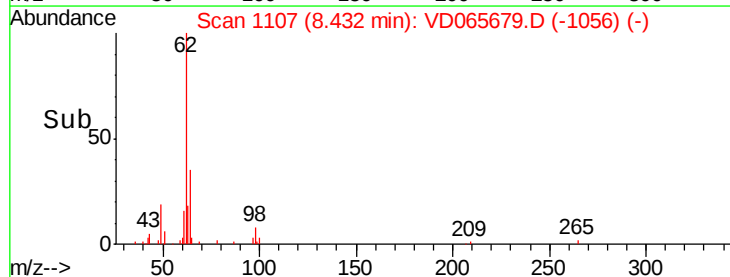
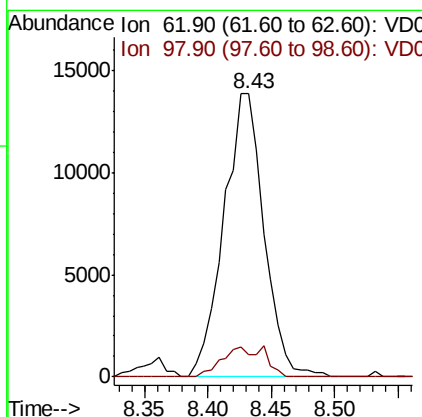
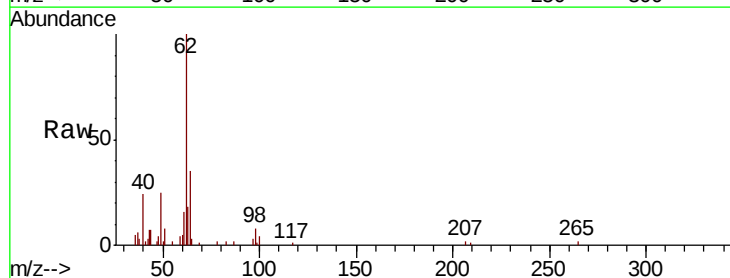
Instrument :
MSVOA_D
ClientSampled :

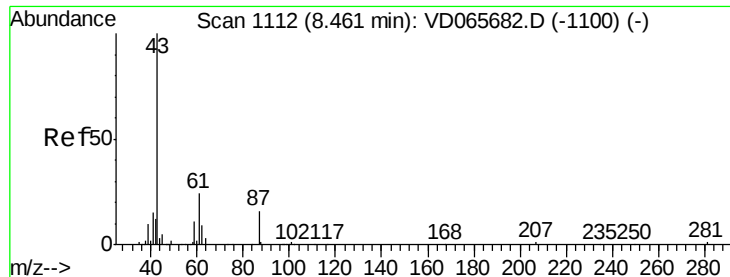
Tot Ion: 41 Resp: 4230
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 93.6 140.4#
52 9.6 40.5 60.7#



#42
1,2-Dichloroethane
Concen: 5.194 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

Tgt Ion: 62 Resp: 30467
Ion Ratio Lower Upper
62 100
98 11.3 0.0 21.2





#43

Isopropyl Acetate

Concen: 4.937 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

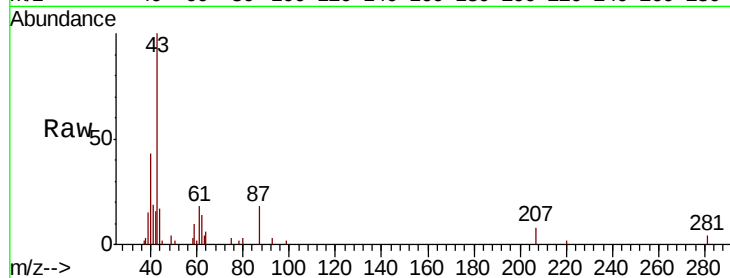
Tot Ion: 43 Resp: 17924

Ion Ratio Lower Upper

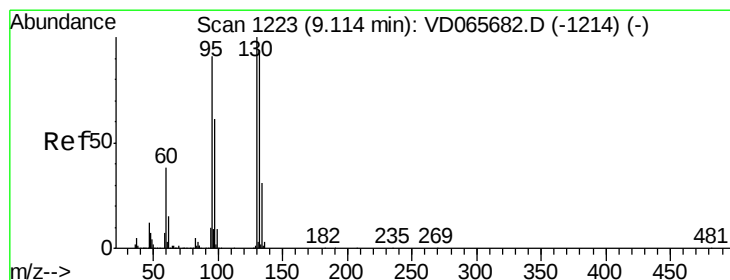
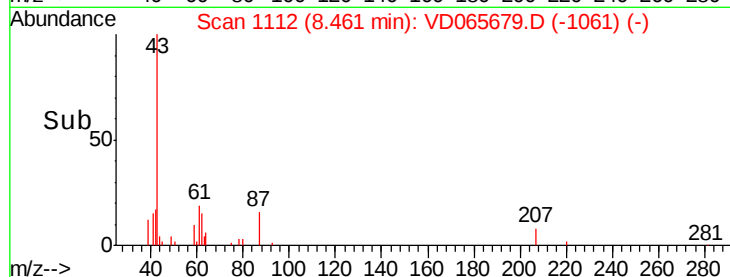
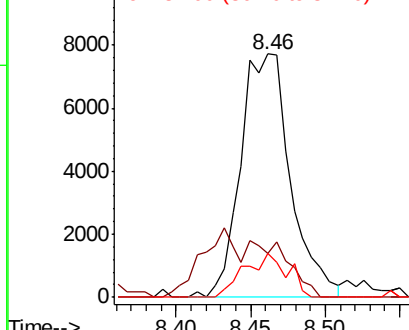
43 100

61 0.0 30.2 45.2#

87 15.6 13.7 20.5



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: 5.230 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065679.D

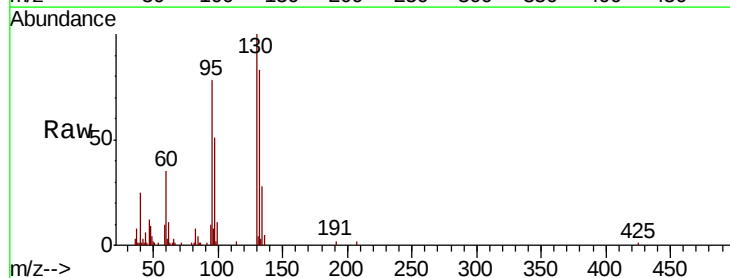
Acq: 29 Apr 2020 13:34

Tgt Ion:130 Resp: 32791

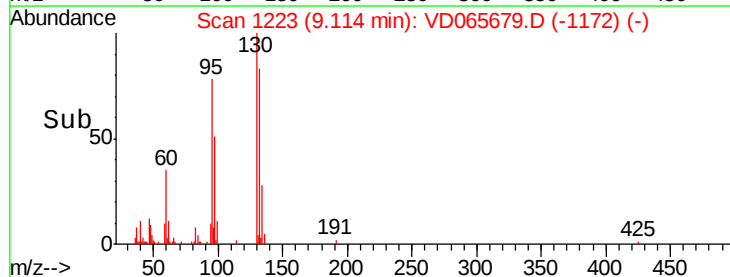
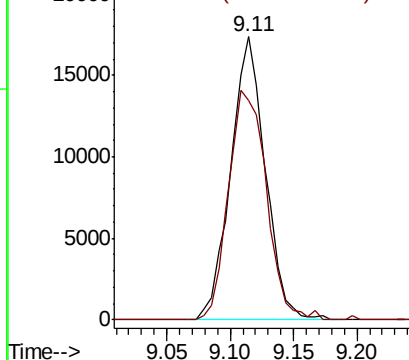
Ion Ratio Lower Upper

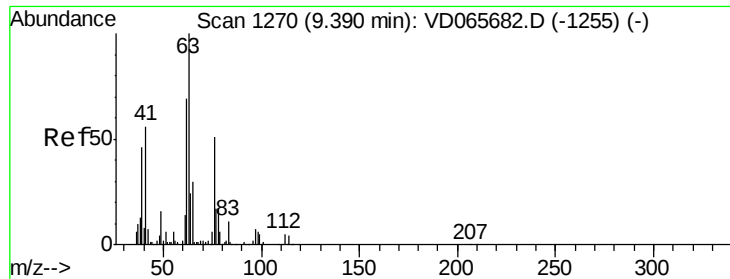
130 100

95 77.6 0.0 183.0



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

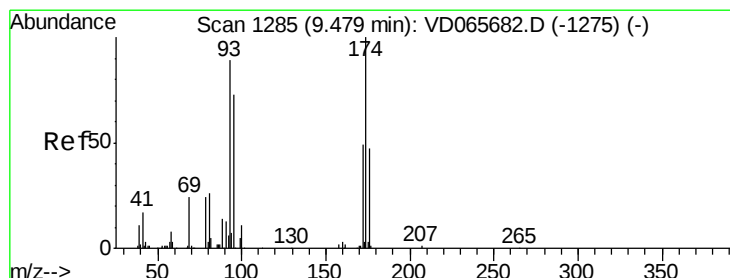
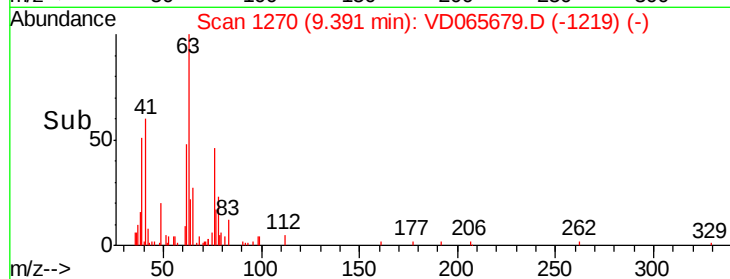
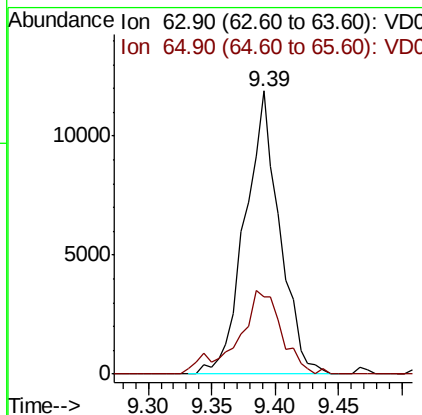
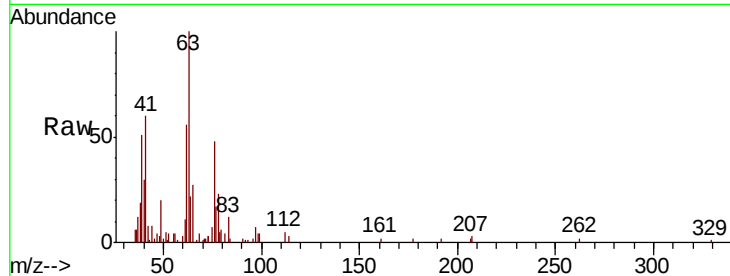




#45
 1,2-Dichloropropane
 Concen: 4.923 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065679.D
 Acq: 29 Apr 2020 13:34

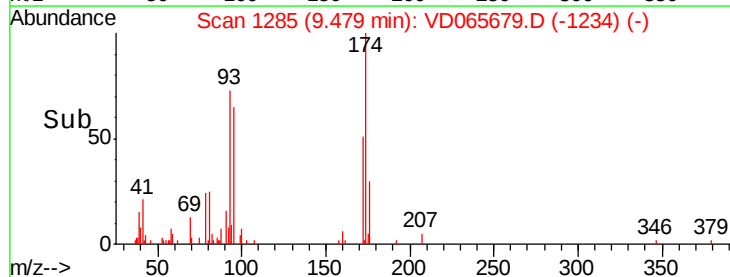
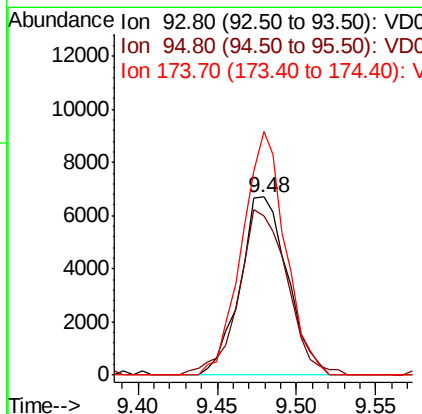
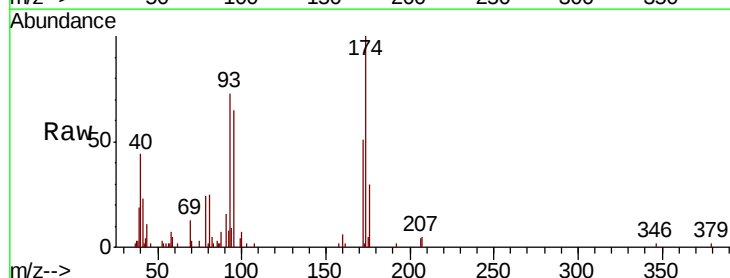
Instrument :
 MSVOA_D
 ClientSampled :

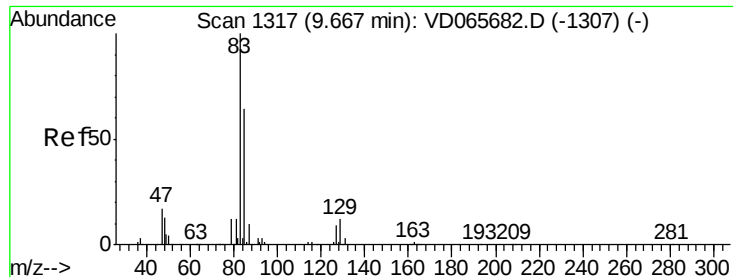
Tot Ion: 63 Resp: 22586
 Ion Ratio Lower Upper
 63 100
 65 27.3 23.7 35.5



#46
 Dibromomethane
 Concen: 4.688 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065679.D
 Acq: 29 Apr 2020 13:34

Tgt Ion: 93 Resp: 13925
 Ion Ratio Lower Upper
 93 100
 95 94.9 65.7 98.5
 174 124.8 87.3 130.9





#47

Bromodichloromethane

Concen: 5.088 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

ClientSampled :

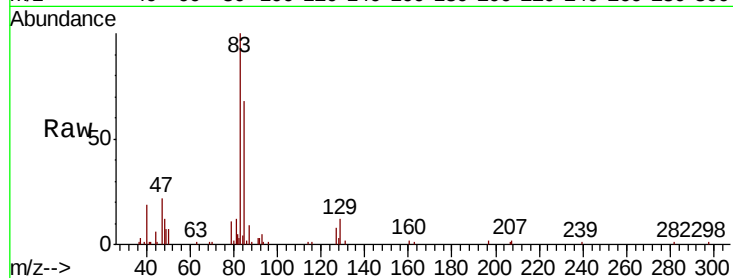
Tot Ion: 83 Resp: 39959

Ion Ratio Lower Upper

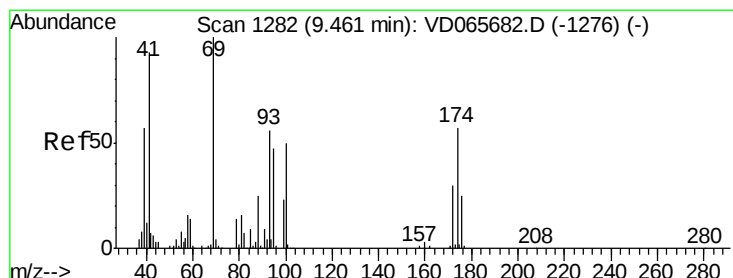
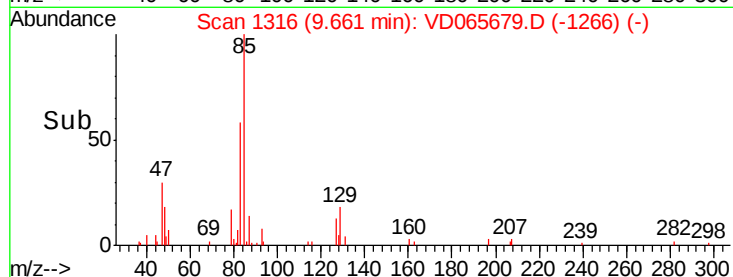
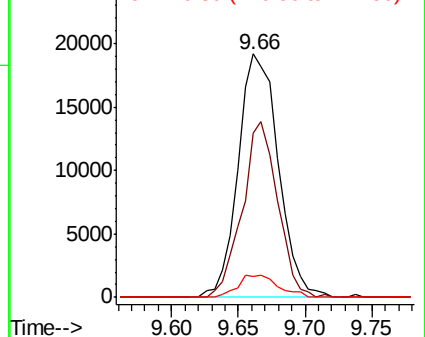
83 100

85 67.6 51.1 76.7

127 8.5 7.3 10.9



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: 4.820 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

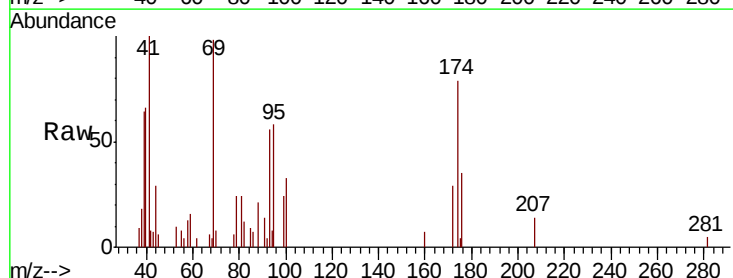
Tgt Ion: 41 Resp: 7663

Ion Ratio Lower Upper

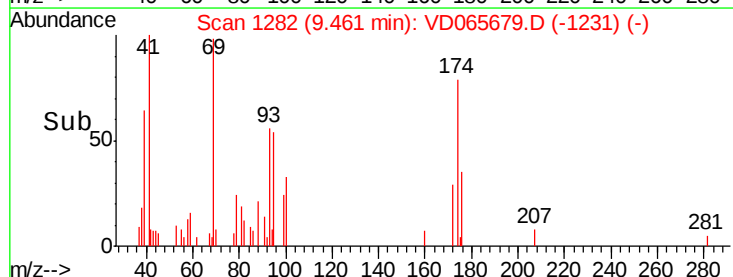
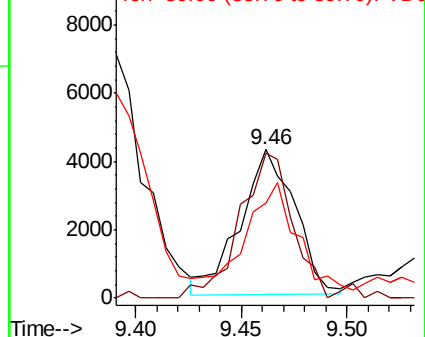
41 100

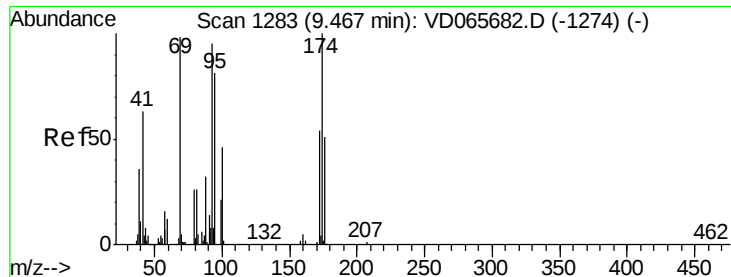
69 96.7 92.3 138.5

39 82.2 53.4 80.0#



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: 86.517 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :
MSVOA_D
ClientSampleId :

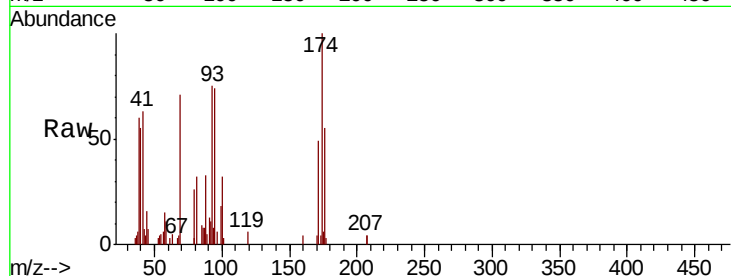
Tot Ion: 88 Resp: 2512

Ion Ratio Lower Upper

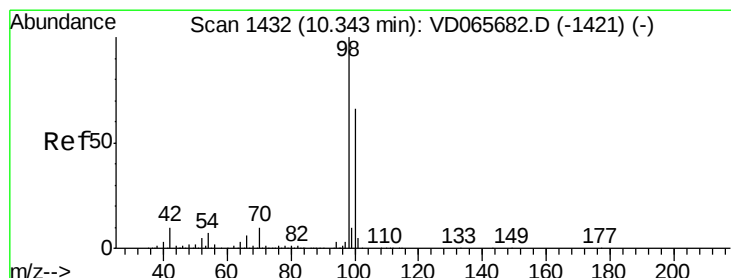
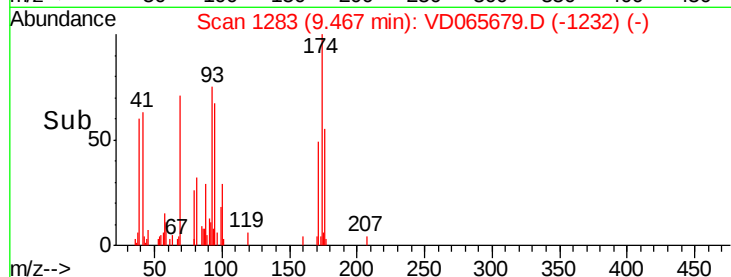
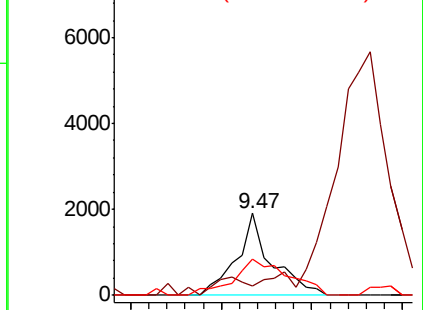
88 100

43 21.0 22.2 33.4#

58 70.4 45.3 67.9#



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: 4.495 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065679.D

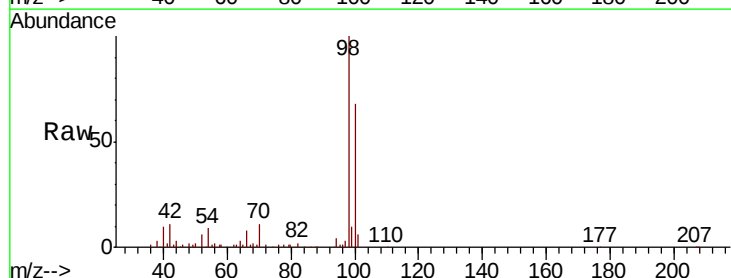
Acq: 29 Apr 2020 13:34

Tgt Ion: 98 Resp: 85719

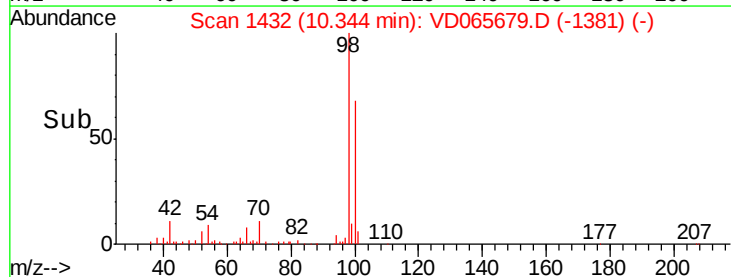
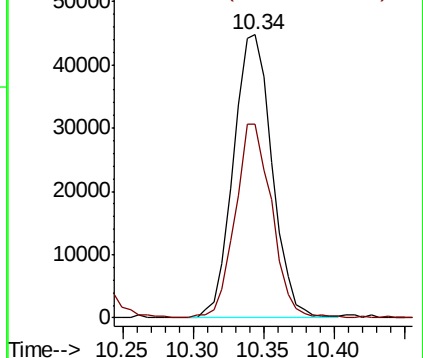
Ion Ratio Lower Upper

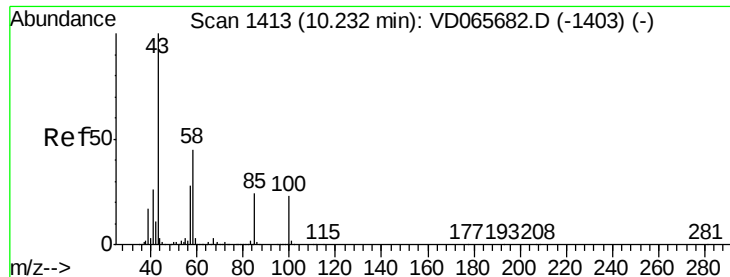
98 100

100 65.1 51.9 77.9



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: 22.197 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

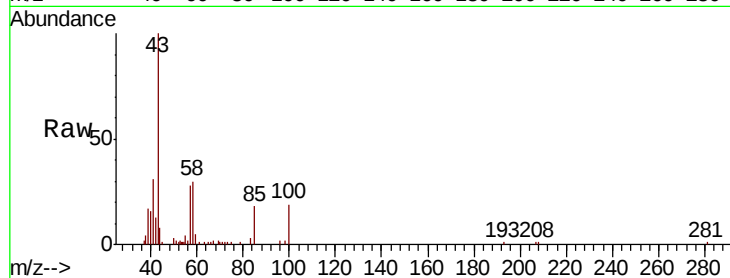
ClientSampleId :

Tot Ion: 43 Resp: 40843

Ion Ratio Lower Upper

43 100

58 39.1 36.0 54.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

25000

20000

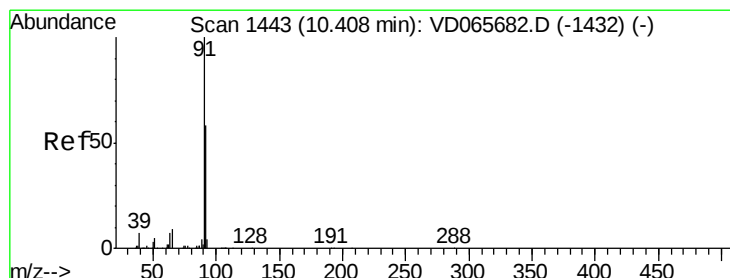
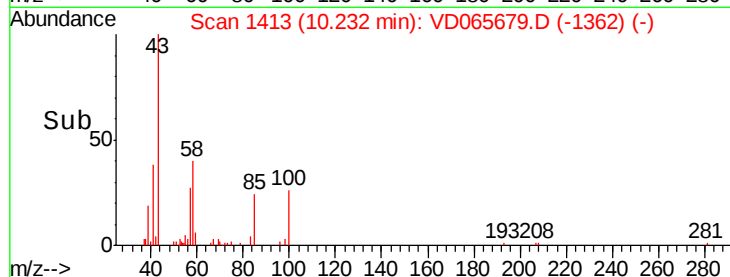
15000

10000

5000

0

Time-->



#52

Toluene

Concen: 4.484 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065679.D

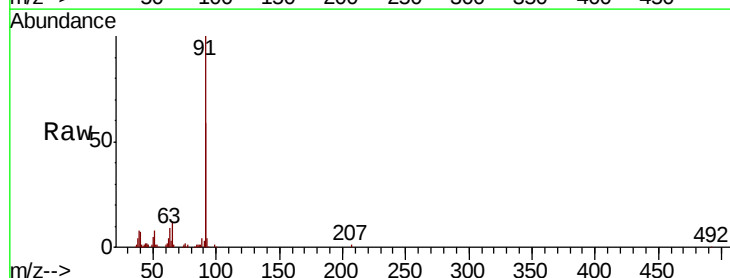
Acq: 29 Apr 2020 13:34

Tgt Ion: 92 Resp: 59563

Ion Ratio Lower Upper

92 100

91 177.3 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

60000

50000

40000

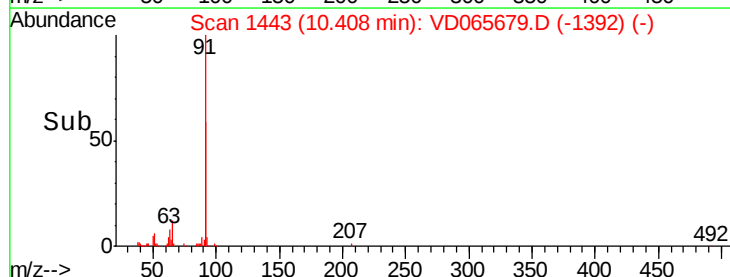
30000

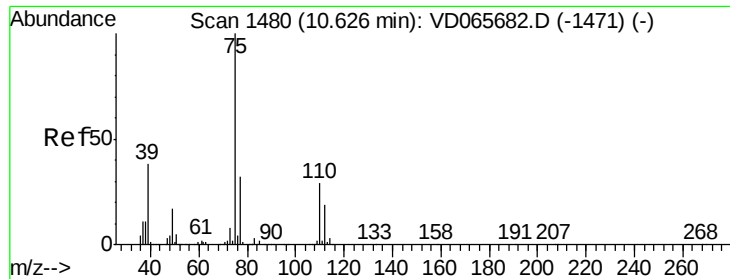
20000

10000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 4.708 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

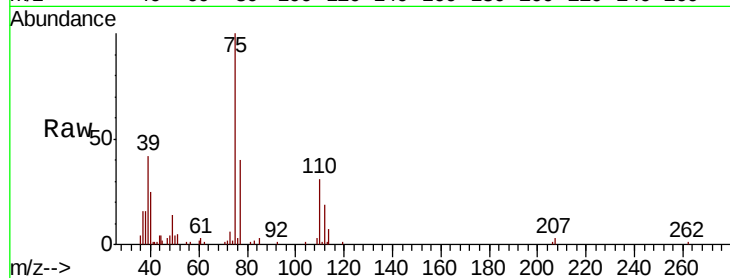
ClientSampleId :

Tot Ion: 75 Resp: 28616

Ion Ratio Lower Upper

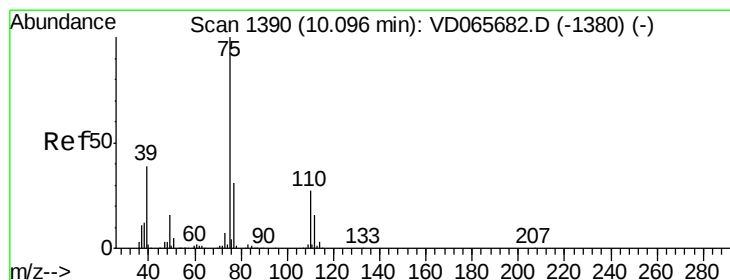
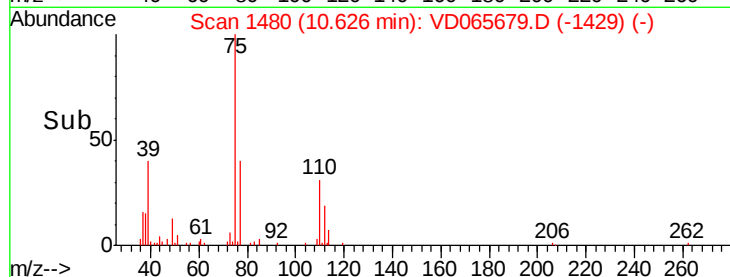
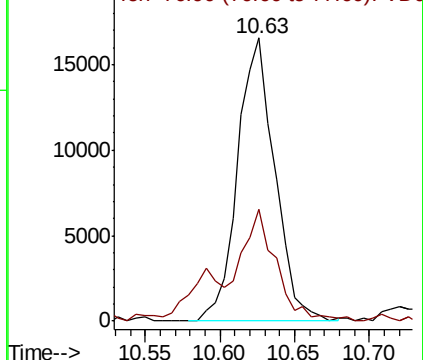
75 100

77 38.5 26.3 39.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 4.488 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

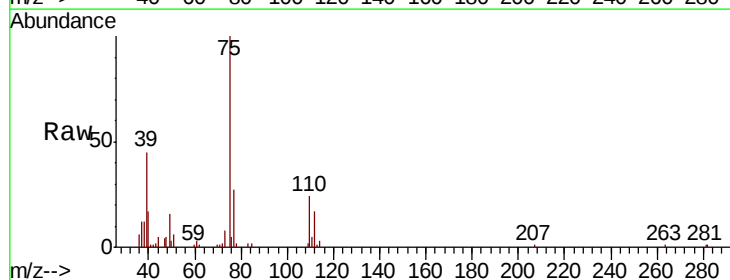
Tgt Ion: 75 Resp: 32616

Ion Ratio Lower Upper

75 100

77 26.8 25.1 37.7

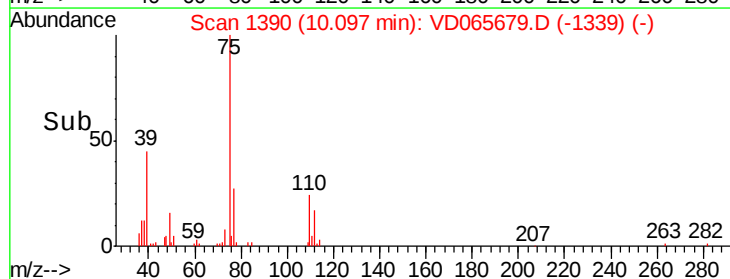
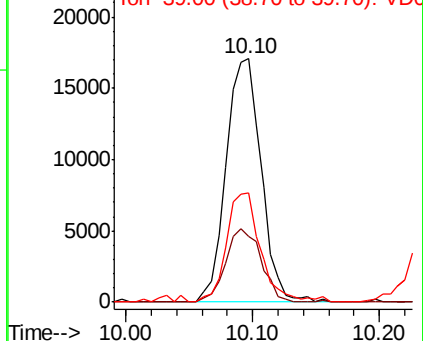
39 45.0 31.2 46.8

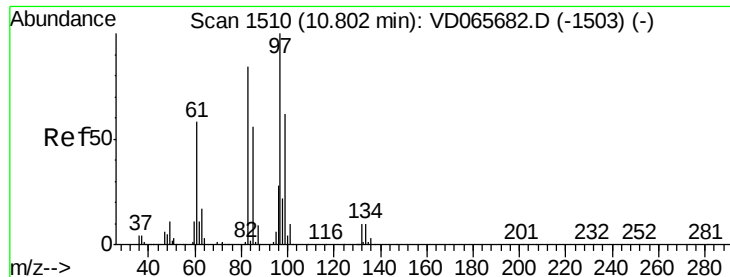


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

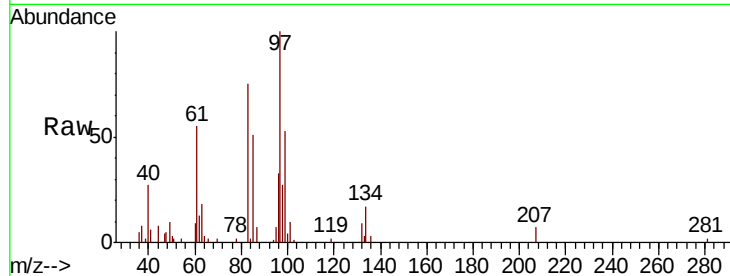




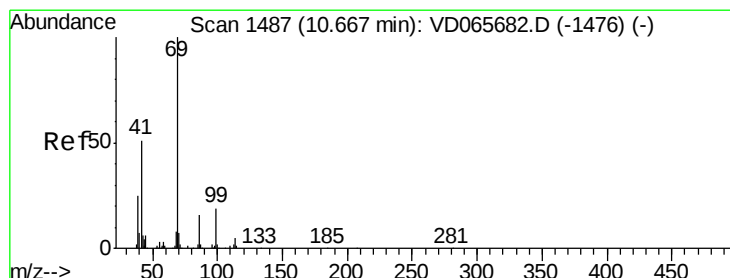
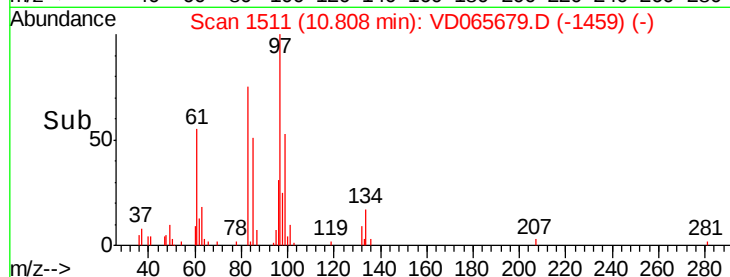
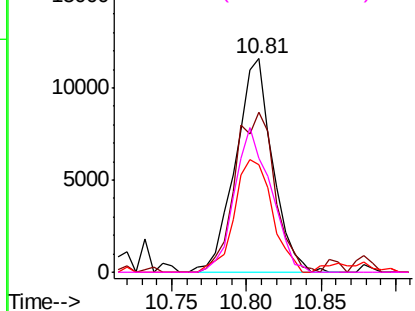
#55
 1,1,2-Trichloroethane
 Concen: 4.829 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD065679.D
 Acq: 29 Apr 2020 13:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 19939
 Ion Ratio Lower Upper
 97 100
 83 75.1 66.8 100.2
 85 50.6 44.4 66.6
 99 53.1 49.3 73.9

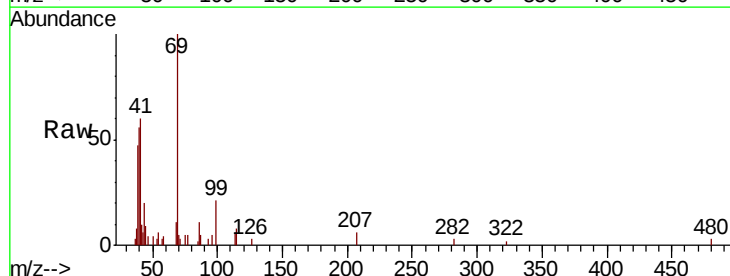


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

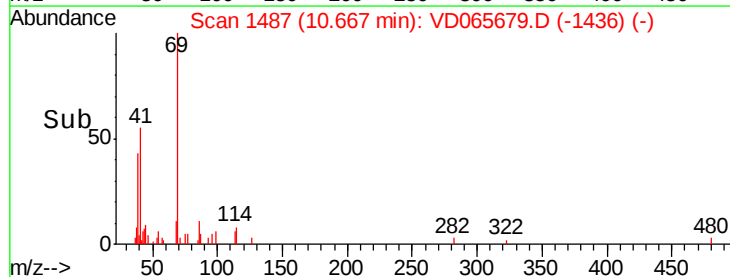
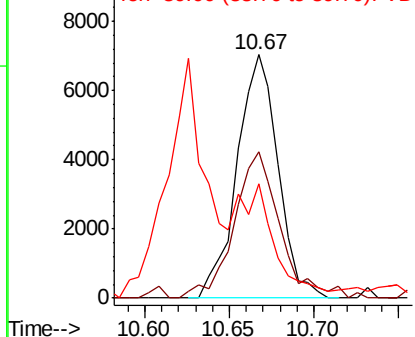


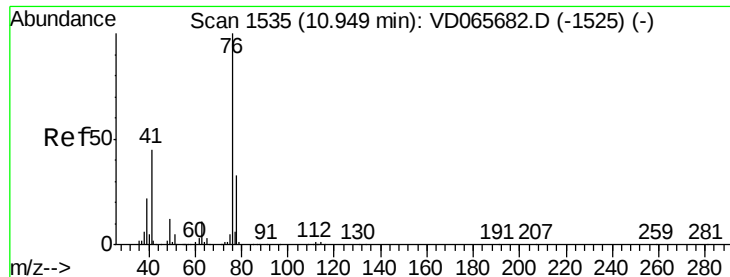
#56
 Ethyl methacrylate
 Concen: 3.790 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065679.D
 Acq: 29 Apr 2020 13:34

Tgt Ion: 69 Resp: 11885
 Ion Ratio Lower Upper
 69 100
 41 67.4 40.9 61.3#
 39 38.9 25.8 38.8#



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: 4.666 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

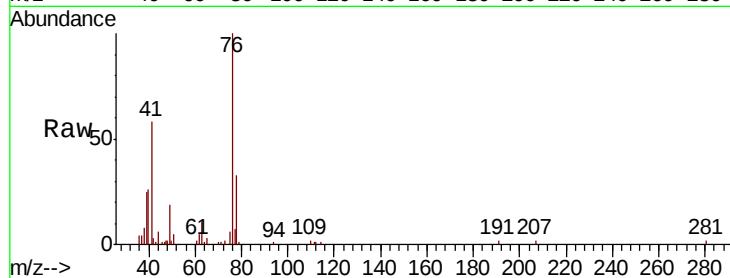
ClientSampleId :

Tot Ion: 76 Resp: 28900

Ion Ratio Lower Upper

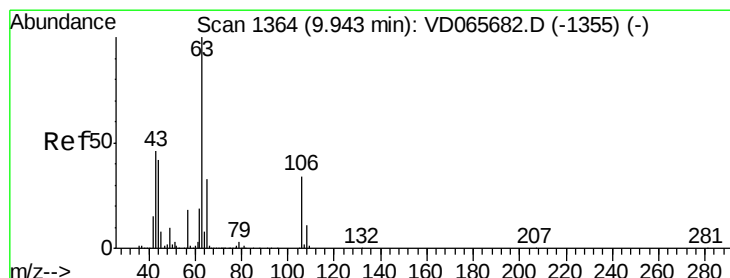
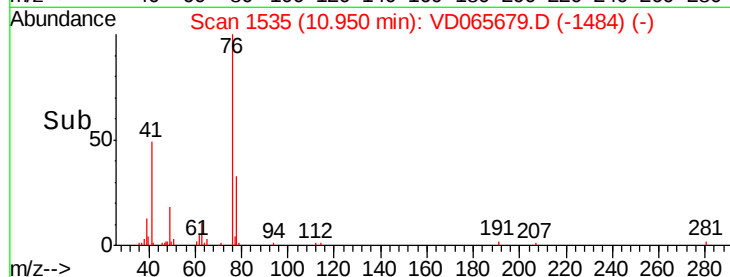
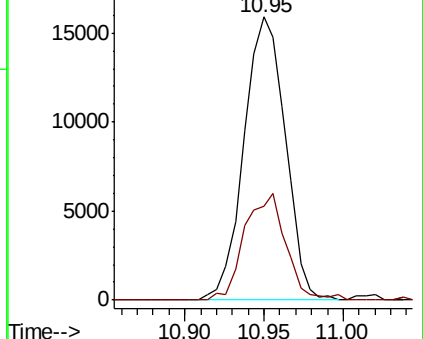
76 100

78 37.8 26.8 40.2



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: 21.122 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065679.D

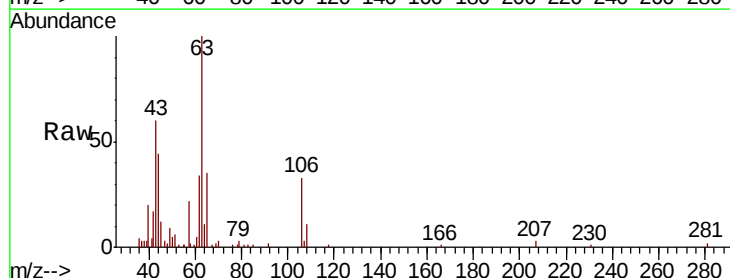
Acq: 29 Apr 2020 13:34

Tgt Ion: 63 Resp: 33499

Ion Ratio Lower Upper

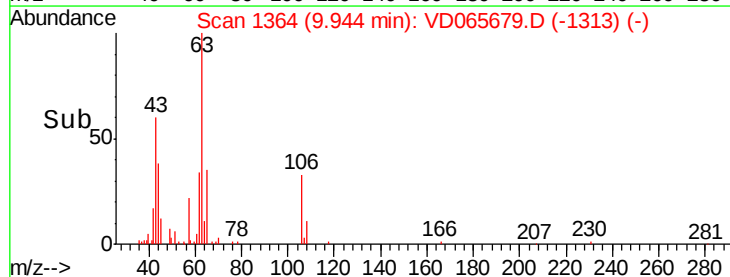
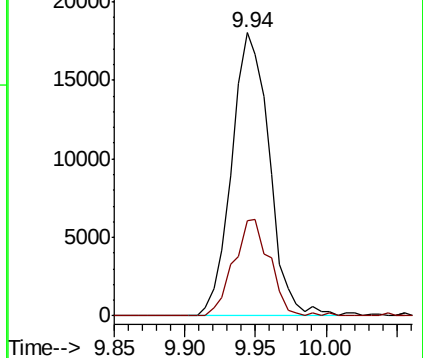
63 100

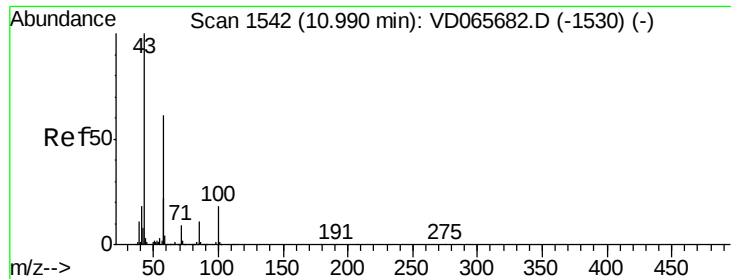
106 32.3 27.8 41.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

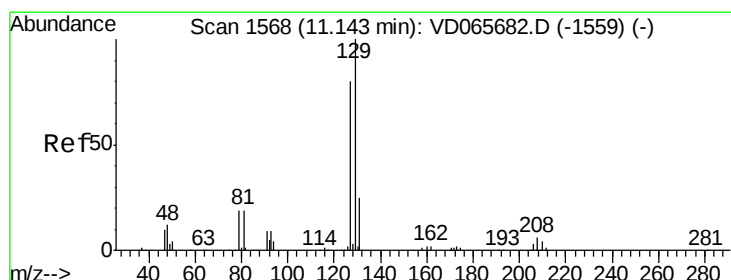
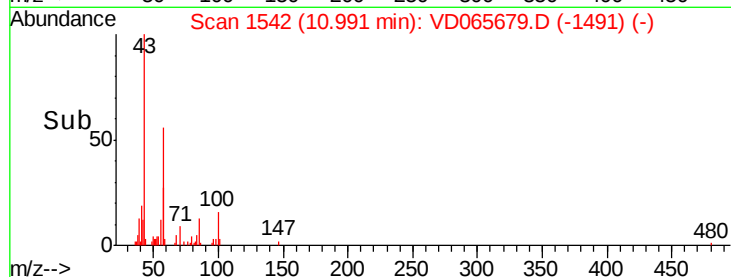
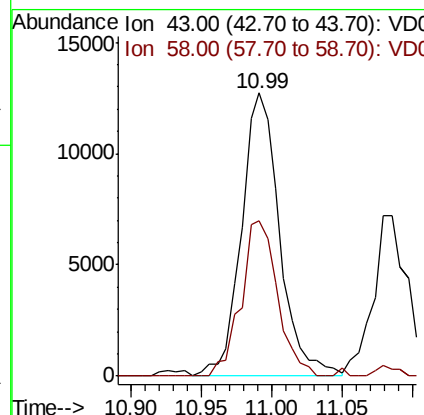
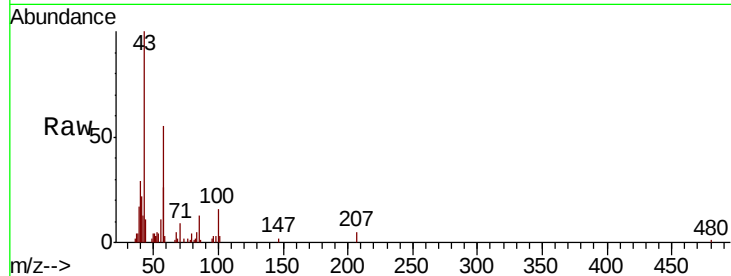




#59
2-Hexanone
Concen: 20.601 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

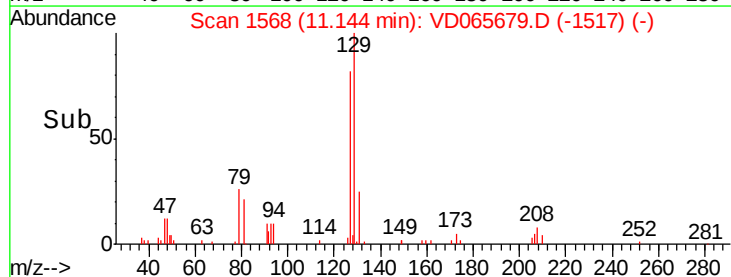
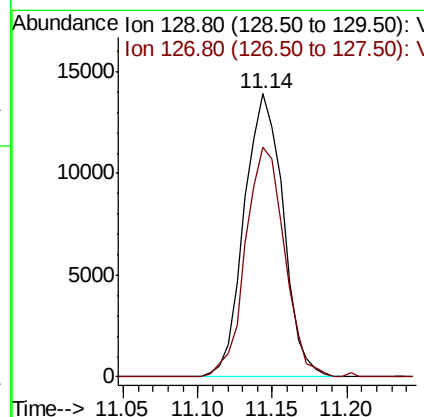
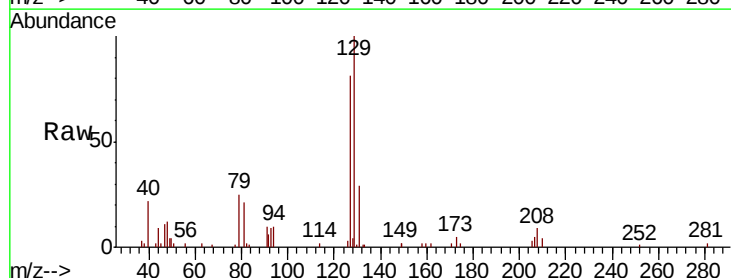
Instrument :
MSVOA_D
ClientSampled :

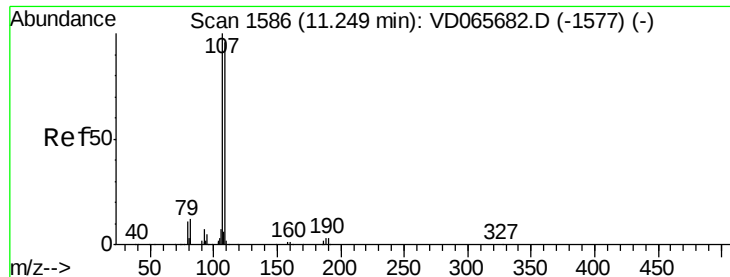
Tot Ion: 43 Resp: 24072
Ion Ratio Lower Upper
43 100
58 52.4 31.5 94.5



#60
Dibromochloromethane
Concen: 4.574 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

Tgt Ion: 129 Resp: 25140
Ion Ratio Lower Upper
129 100
127 81.1 38.1 114.5

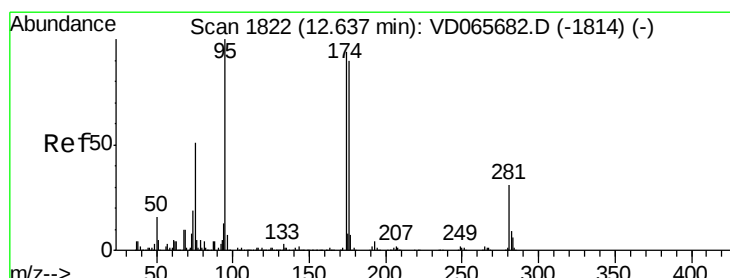
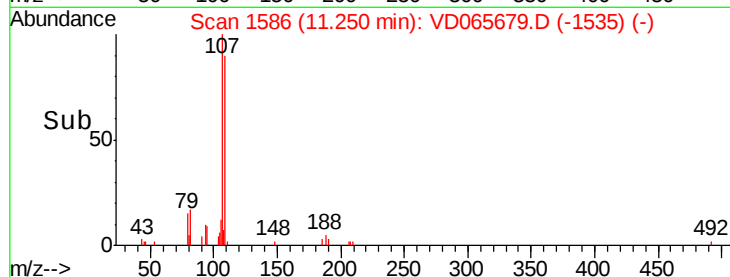
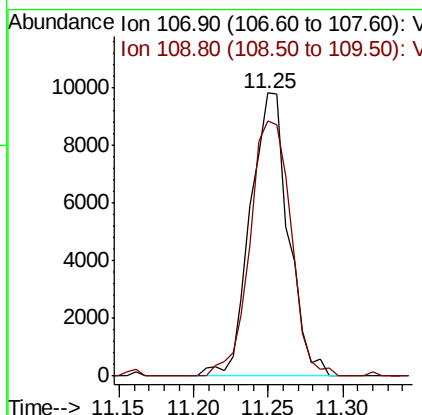
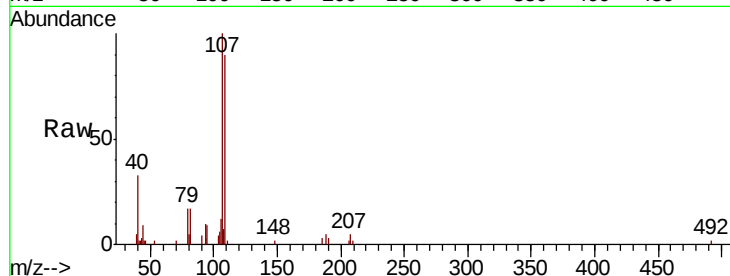




#61
 1,2-Dibromoethane
 Concen: 4.565 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065679.D
 Acq: 29 Apr 2020 13:34

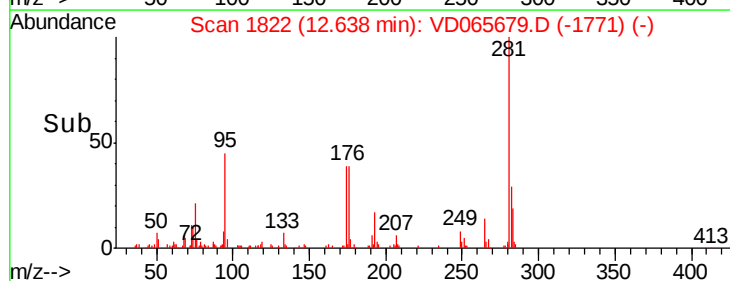
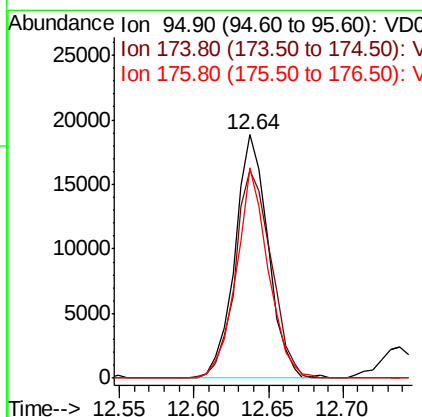
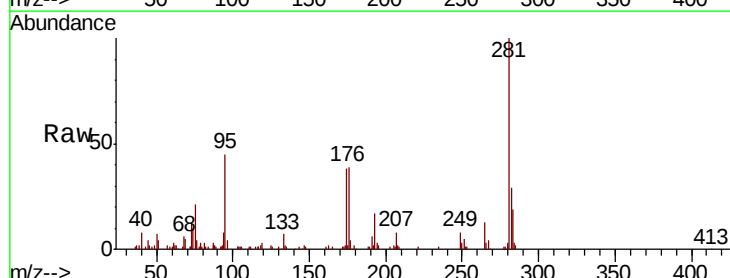
Instrument :
 MSVOA_D
 ClientSampled :

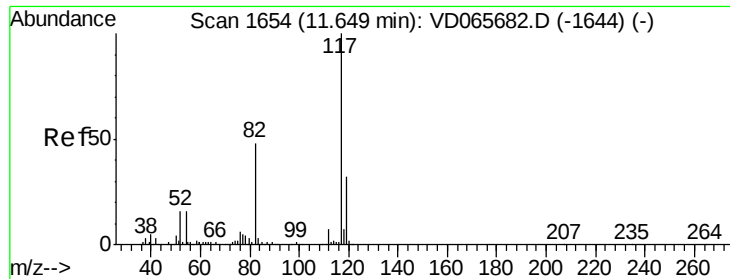
Tot Ion: 107 Resp: 17363
 Ion Ratio Lower Upper
 107 100
 109 96.5 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 4.717 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065679.D
 Acq: 29 Apr 2020 13:34

Tgt Ion: 95 Resp: 29092
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 187.6
 176 83.2 0.0 181.4

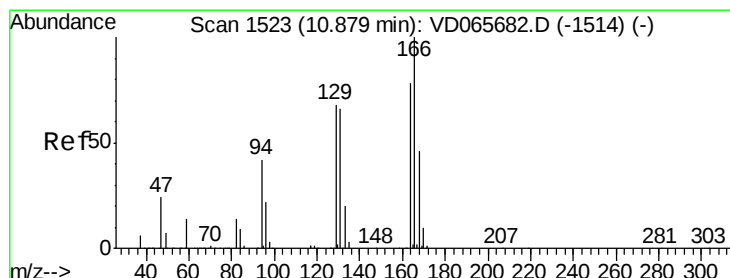
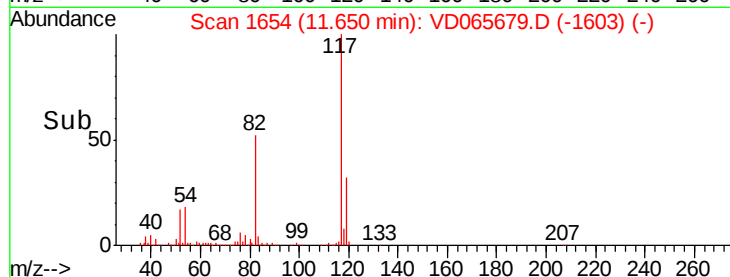
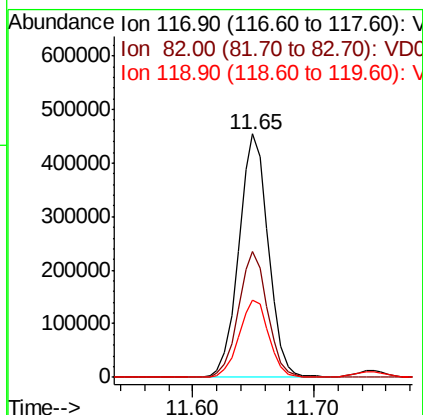
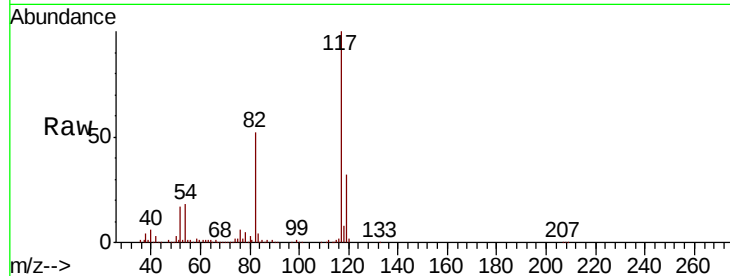




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

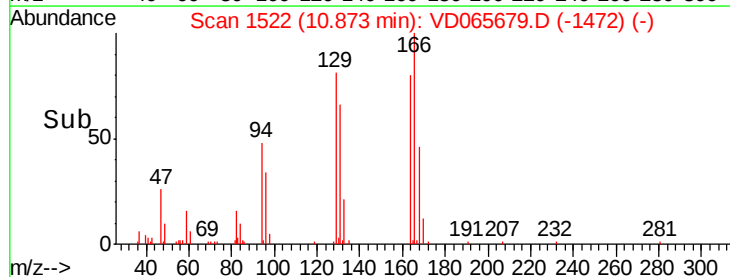
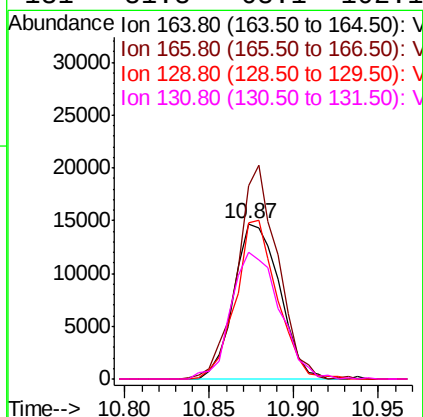
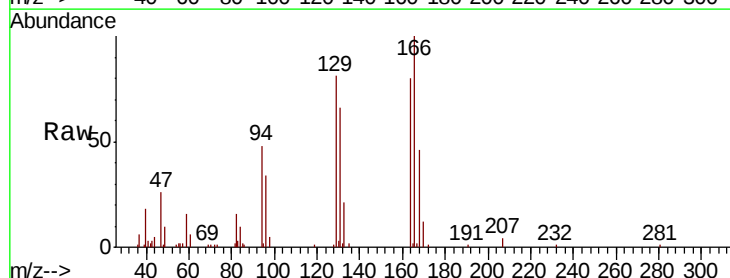
Instrument :
MSVOA_D
ClientSampleId :

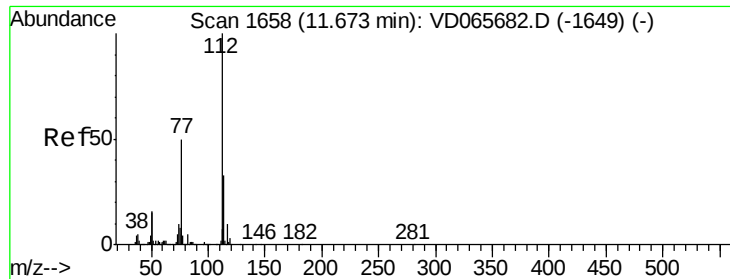
Tot Ion:117 Resp: 773131
Ion Ratio Lower Upper
117 100
82 51.9 38.6 58.0
119 31.9 25.6 38.4



#64
Tetrachloroethene
Concen: 5.147 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

Tgt Ion:164 Resp: 27622
Ion Ratio Lower Upper
164 100
166 123.3 102.7 154.1
129 101.0 69.9 104.9
131 81.8 68.1 102.1

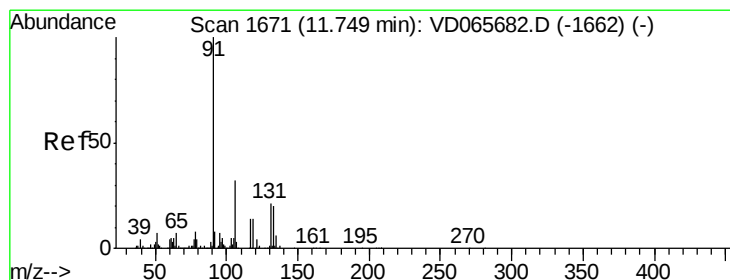
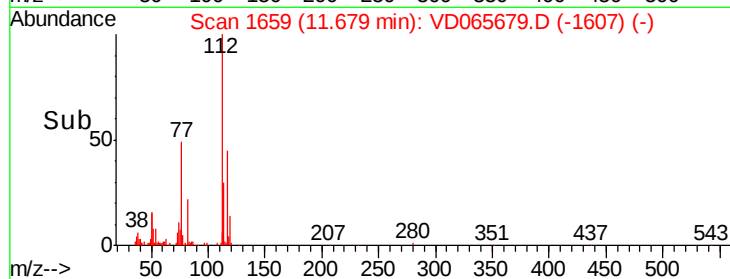
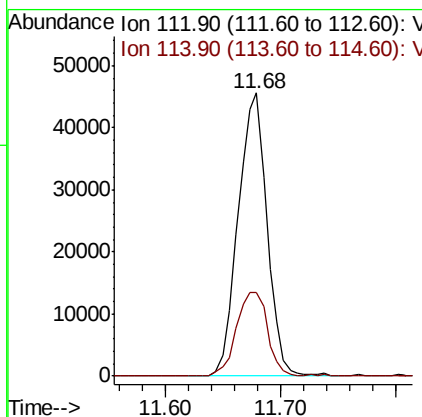
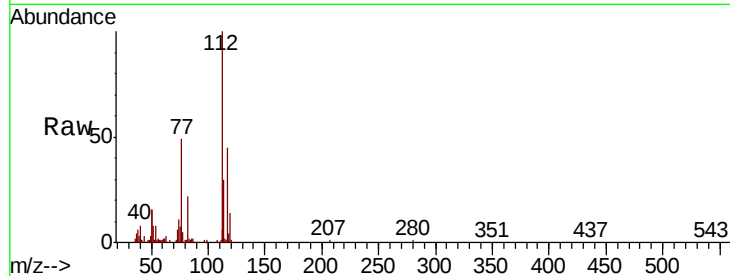




#65
Chlorobenzene
Concen: 5.140 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

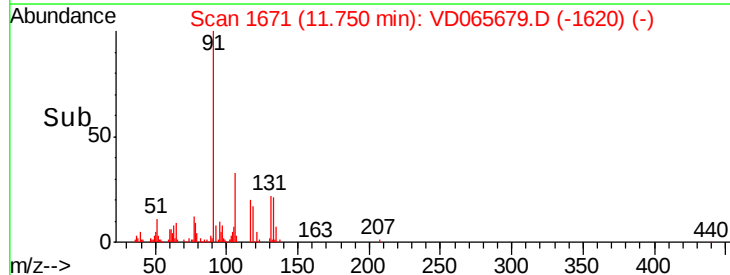
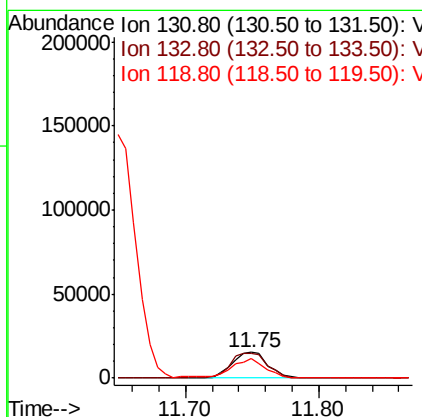
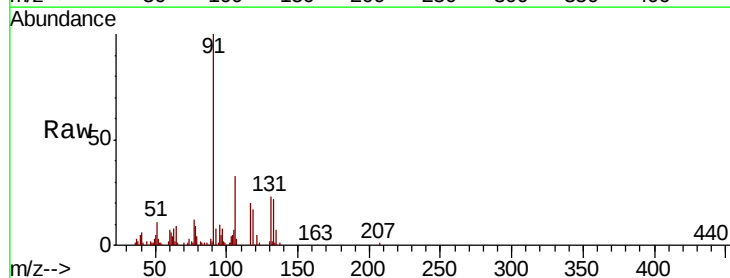
Instrument :
MSVOA_D
ClientSampled :

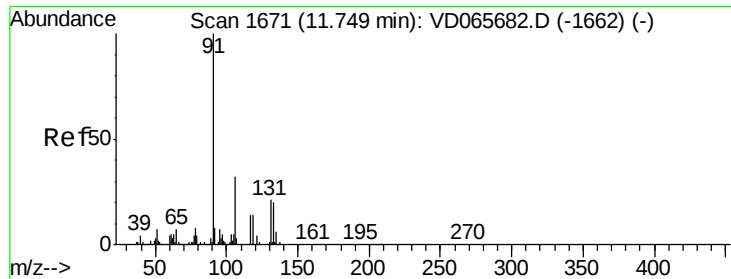
Tot Ion:112 Resp: 79001
Ion Ratio Lower Upper
112 100
114 29.7 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 4.940 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

Tgt Ion:131 Resp: 28670
Ion Ratio Lower Upper
131 100
133 100.8 47.9 143.8
119 69.6 32.1 96.5





#67

Ethyl Benzene

Concen: 4.661 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

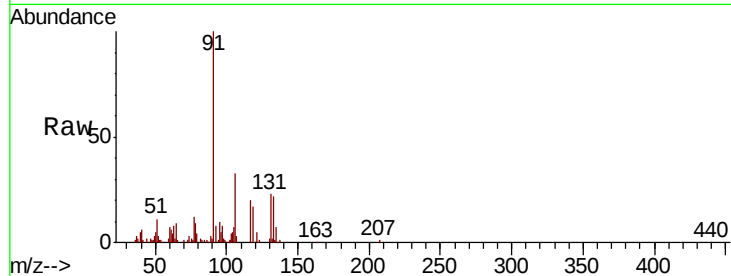
ClientSampleId :

Tot Ion: 91 Resp: 111341

Ion Ratio Lower Upper

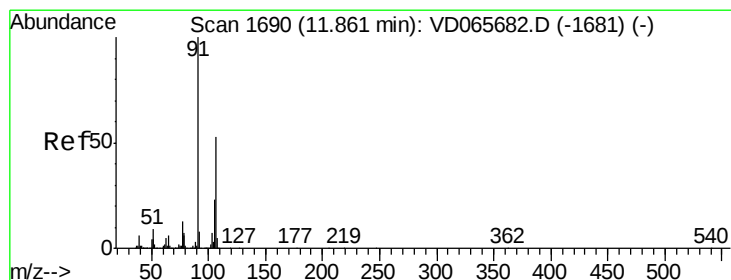
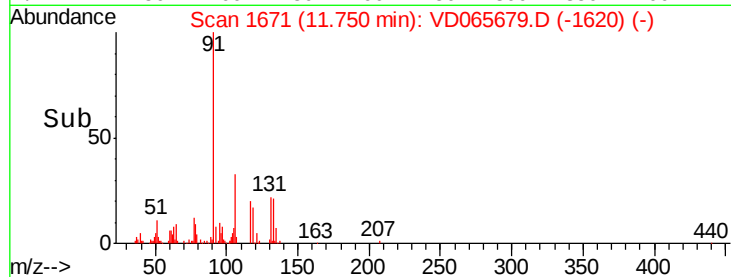
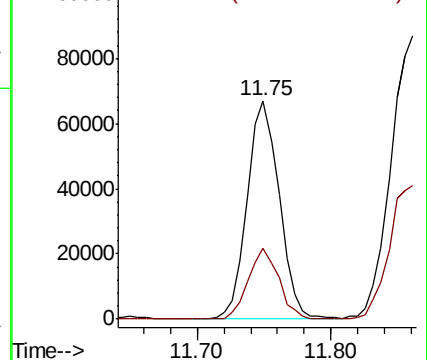
91 100

106 32.7 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 8.612 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065679.D

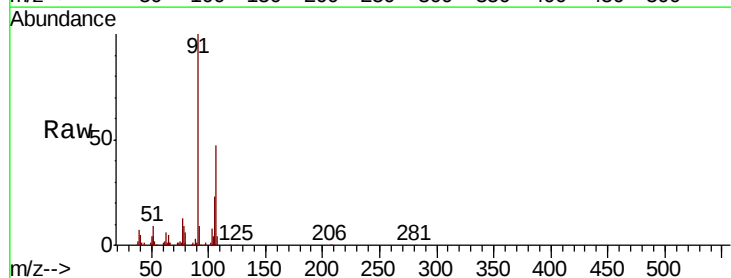
Acq: 29 Apr 2020 13:34

Tgt Ion:106 Resp: 82260

Ion Ratio Lower Upper

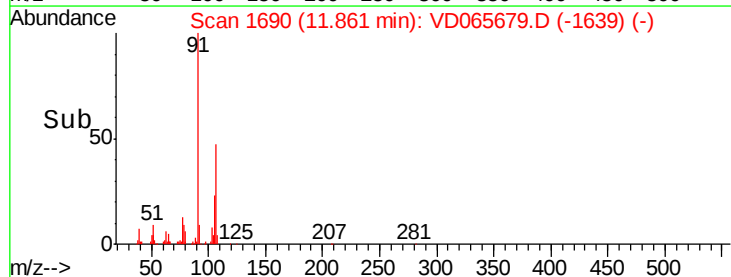
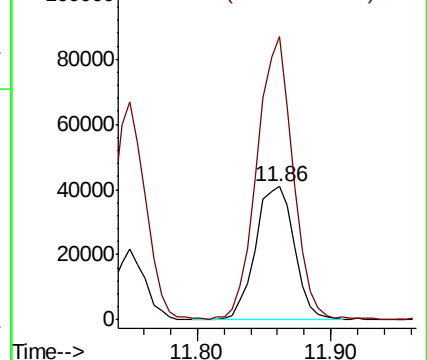
106 100

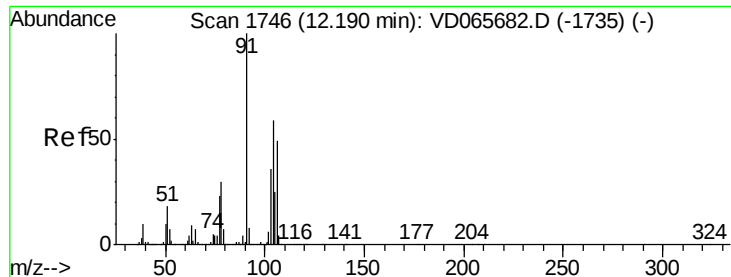
91 196.5 154.5 231.7



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

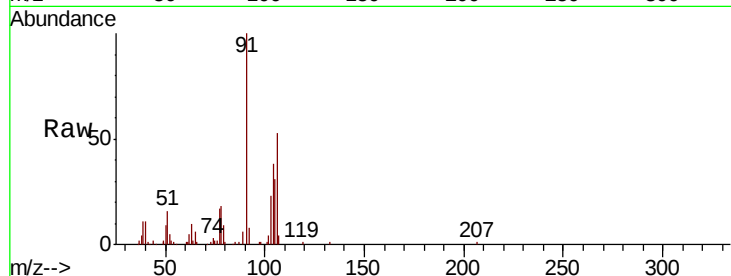




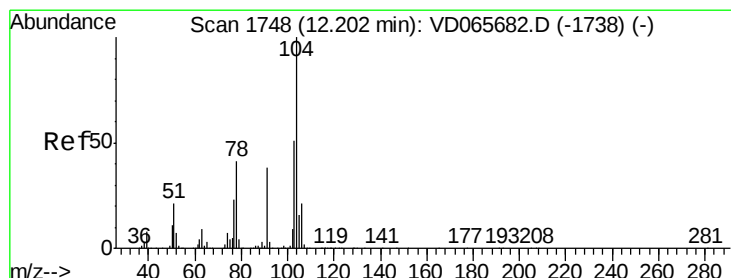
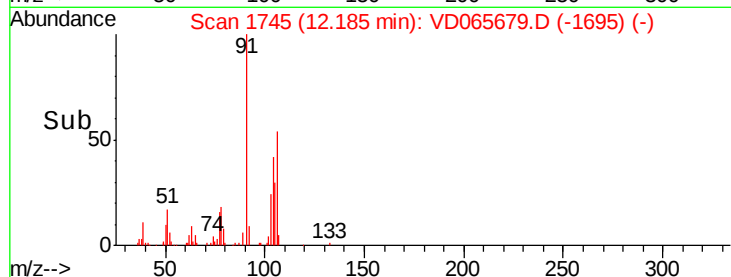
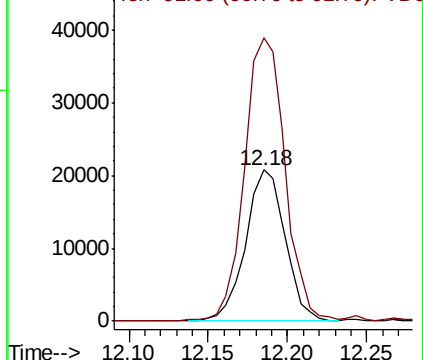
#69
o-Xylene
Concen: 4.467 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 35926
Ion Ratio Lower Upper
106 100
91 192.7 102.4 307.2

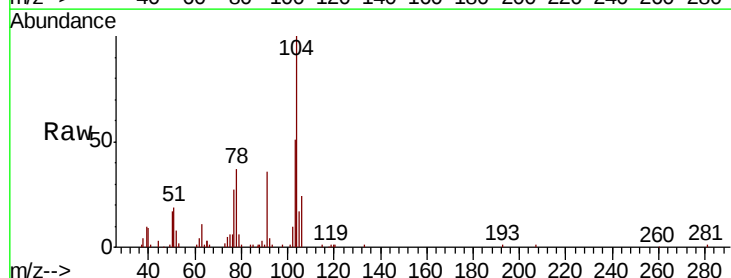


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

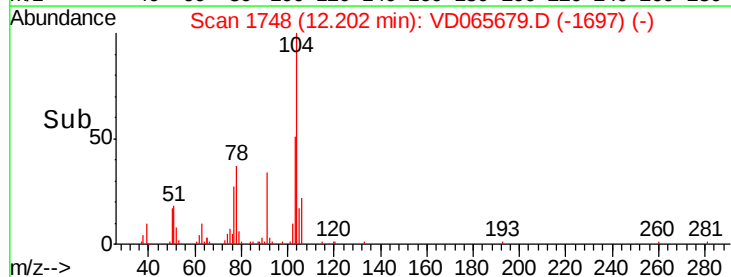
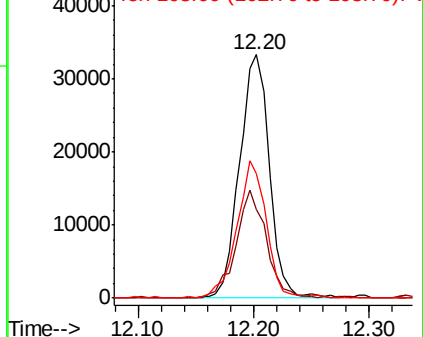


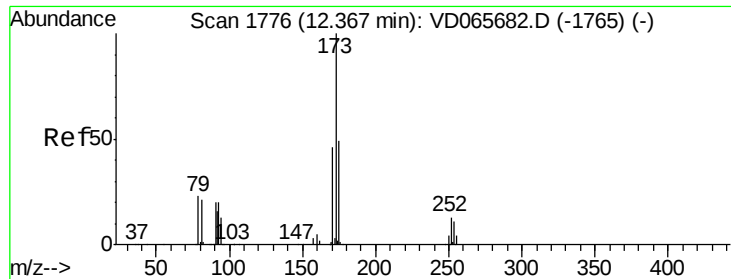
#70
Styrene
Concen: 4.180 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

Tgt Ion:104 Resp: 59878
Ion Ratio Lower Upper
104 100
78 44.5 36.5 54.7
103 55.2 43.8 65.8



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





#71

Bromoform

Concen: 4.931 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

ClientSampled :

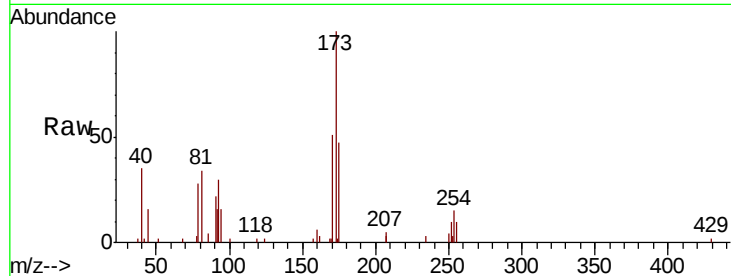
Tot Ion:173 Resp: 15980

Ion Ratio Lower Upper

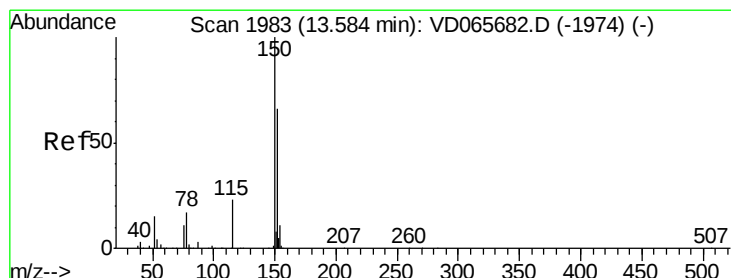
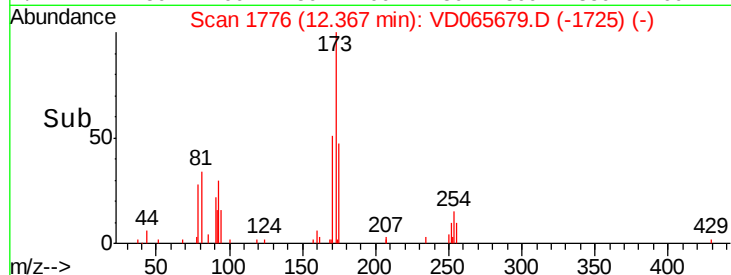
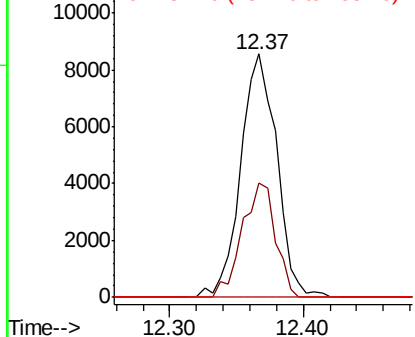
173 100

175 43.4 24.6 74.0

254 0.0 0.1 0.1#



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: VD065679.D

Acq: 29 Apr 2020 13:34

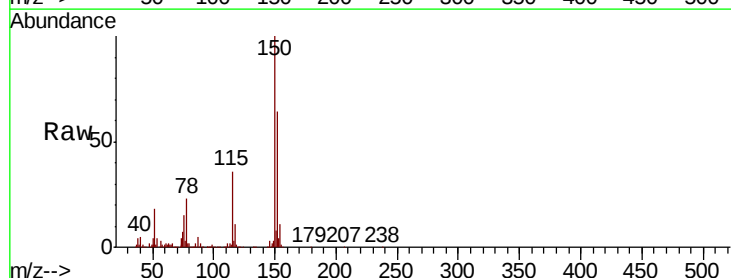
Tgt Ion:152 Resp: 385184

Ion Ratio Lower Upper

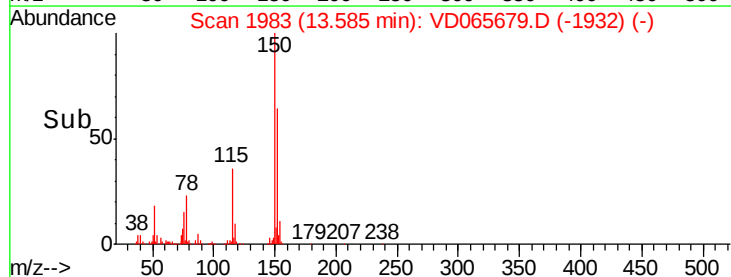
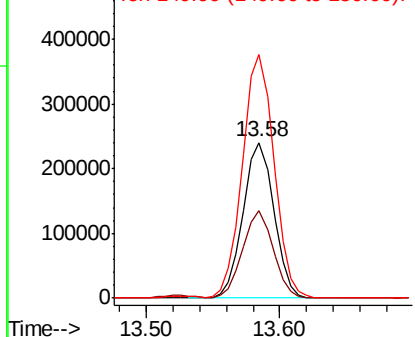
152 100

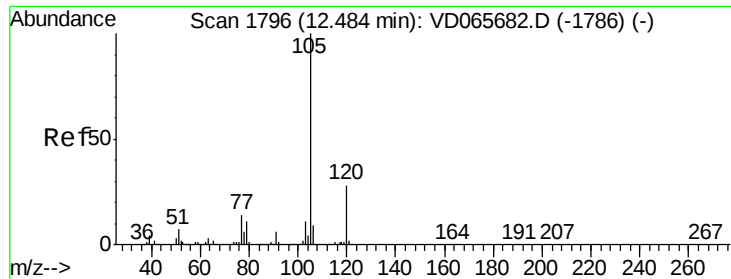
115 55.4 27.5 82.4

150 160.1 0.0 347.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.430 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

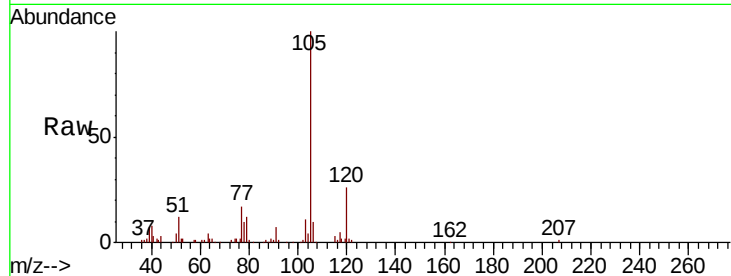
ClientSampleId :

Tot Ion:105 Resp: 88830

Ion Ratio Lower Upper

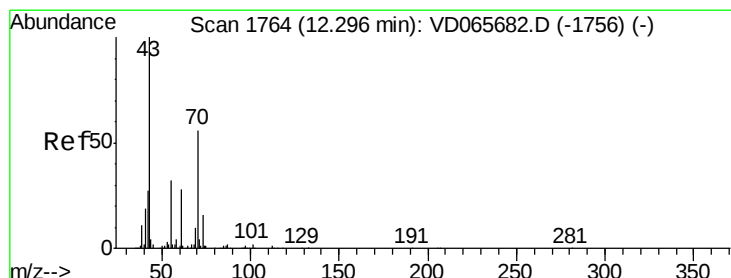
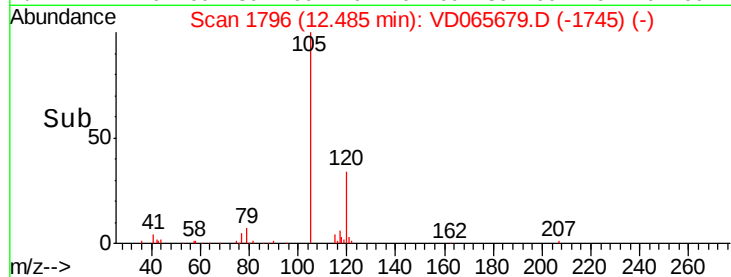
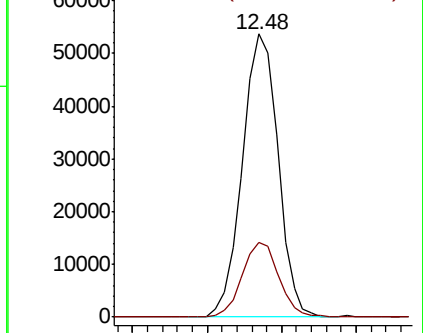
105 100

120 26.9 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.751 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Tgt Ion: 43 Resp: 13165

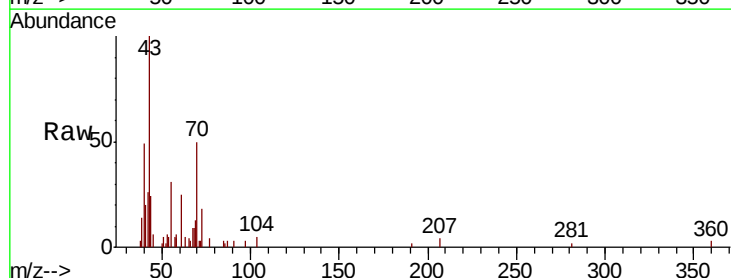
Ion Ratio Lower Upper

43 100

70 47.3 45.5 68.3

55 34.0 26.6 40.0

61 27.2 22.7 34.1

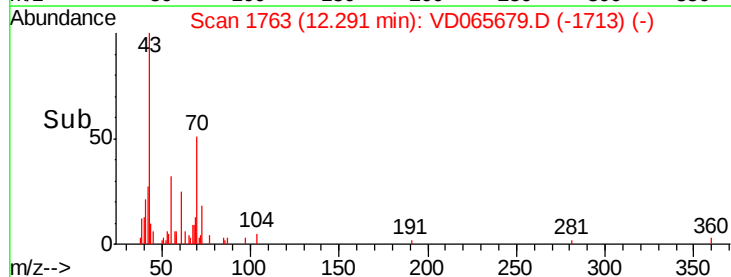
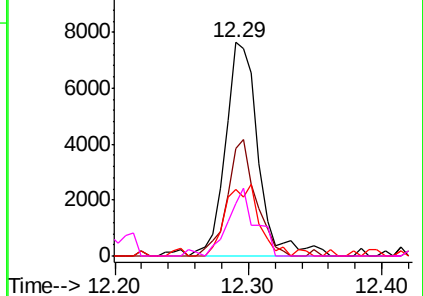


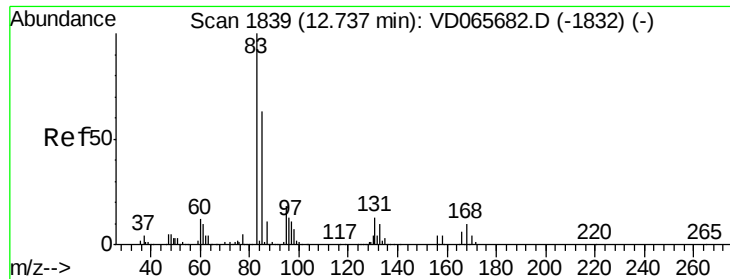
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 5.392 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

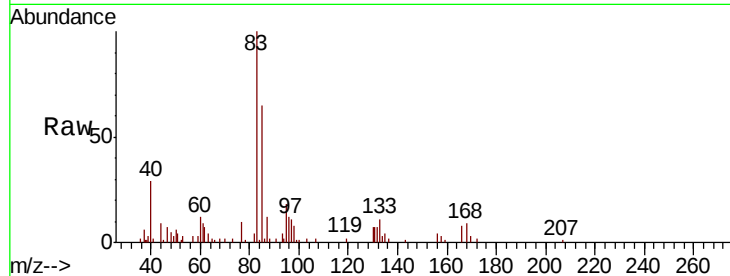
Tot Ion: 83 Resp: 21559

Ion	Ratio	Lower	Upper
83	100		
131	13.1	5.9	17.6
85	68.4	31.5	94.5

83 100

131 13.1 5.9 17.6

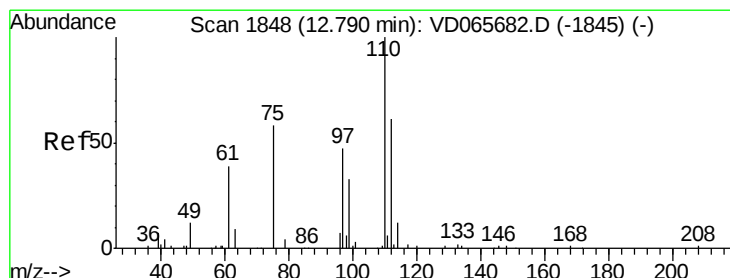
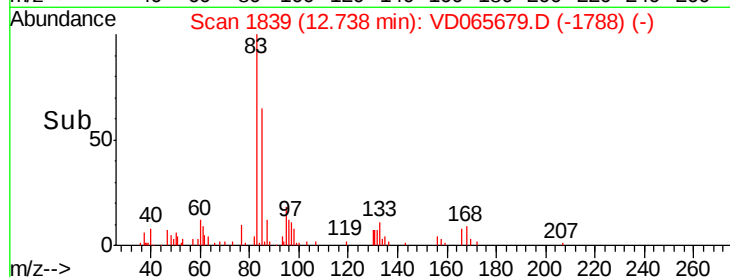
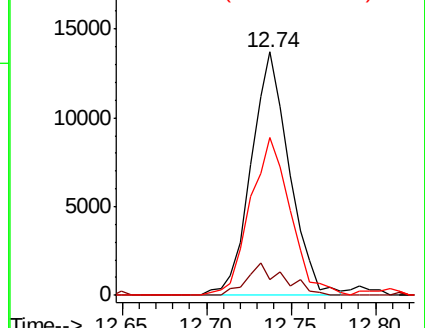
85 68.4 31.5 94.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 5.876 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065679.D

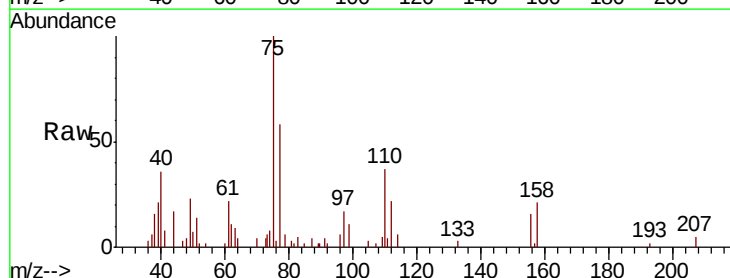
Acq: 29 Apr 2020 13:34

Tgt Ion: 75 Resp: 25551

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

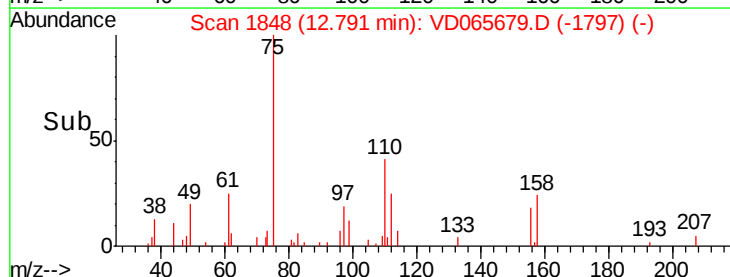
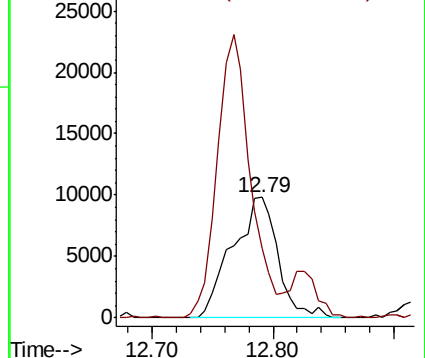
75 100

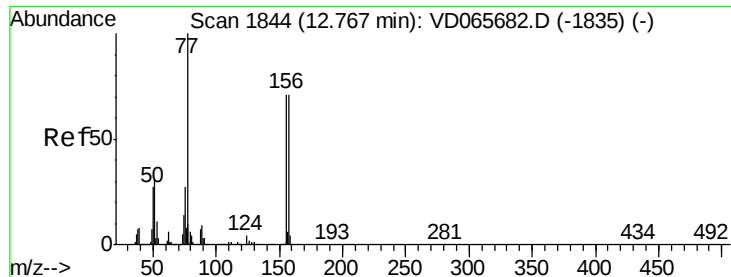
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 4.810 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

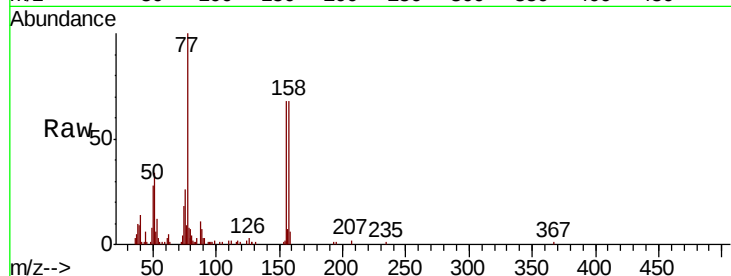
Tot Ion:156 Resp: 27057

Ion Ratio Lower Upper

156 100

77 164.5 75.3 225.9

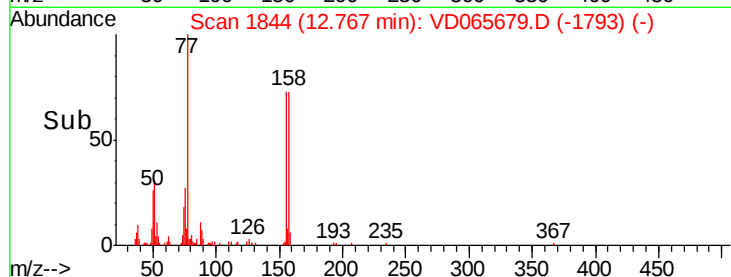
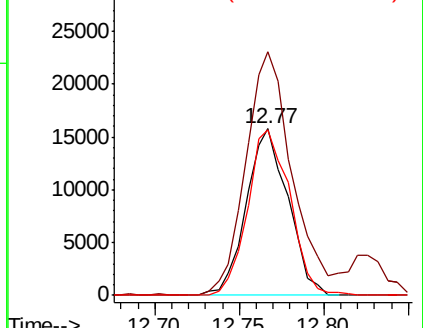
158 100.9 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.673 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065679.D

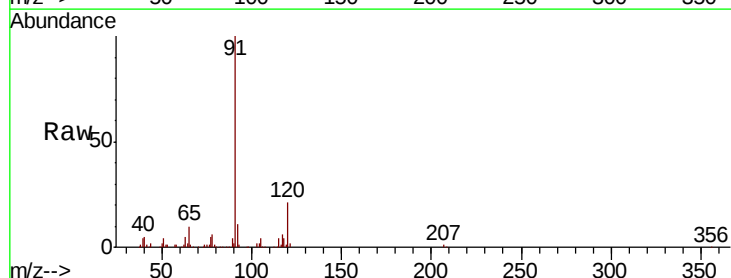
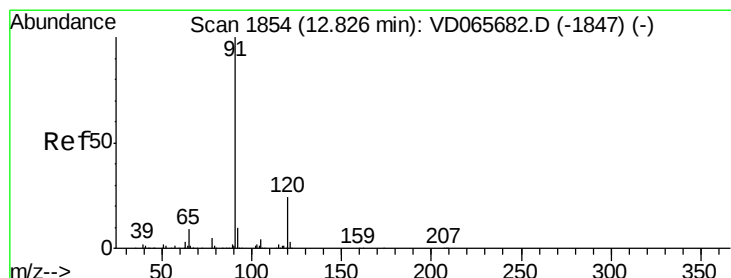
Acq: 29 Apr 2020 13:34

Tgt Ion: 91 Resp: 115864

Ion Ratio Lower Upper

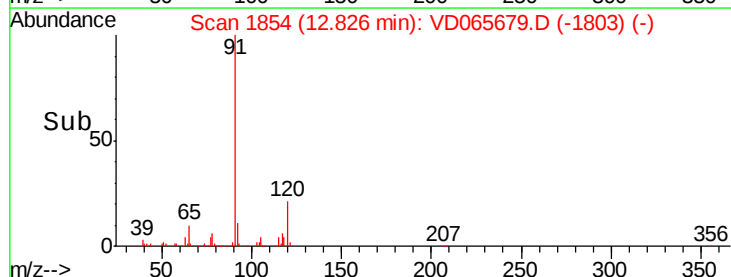
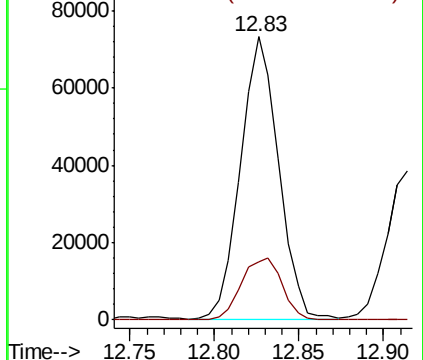
91 100

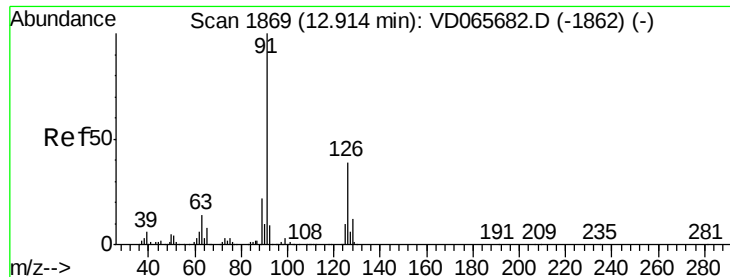
120 23.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

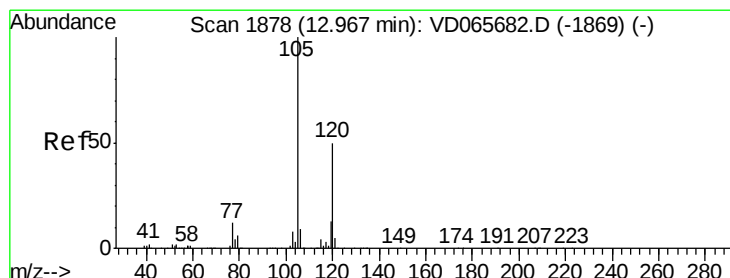
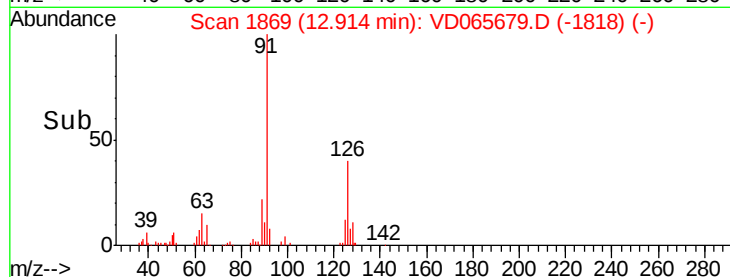
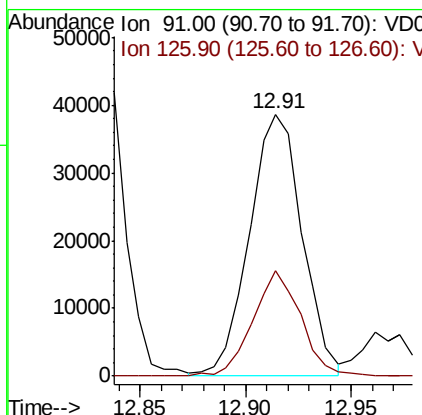
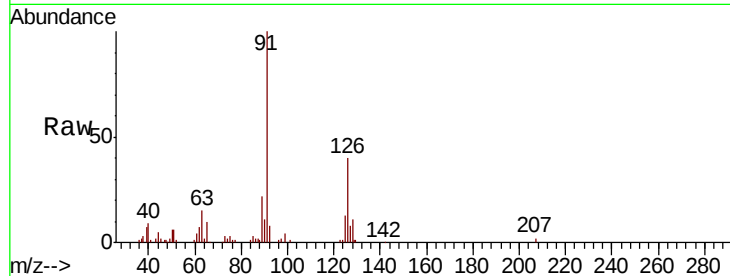




#79
 2-Chlorotoluene
 Concen: 4.785 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065679.D
 Acq: 29 Apr 2020 13:34

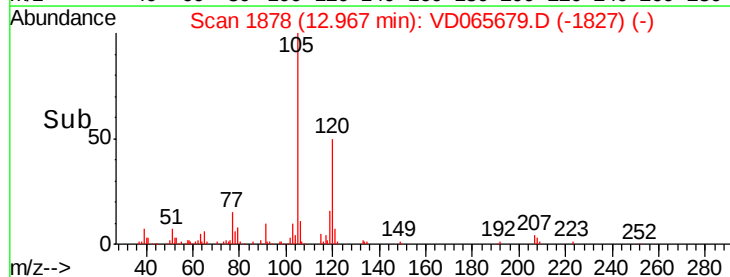
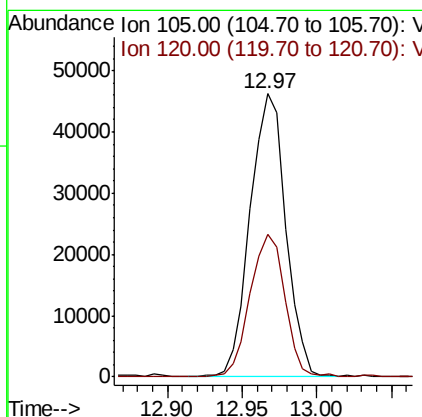
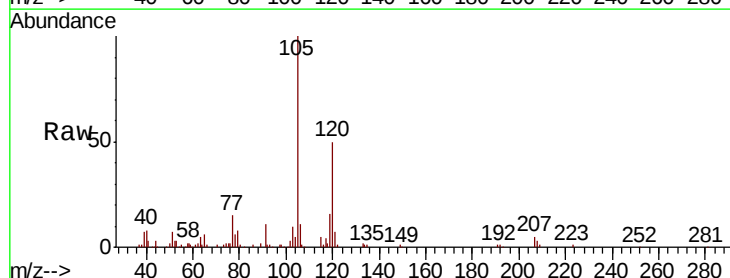
Instrument :
 MSVOA_D
 ClientSampleId :

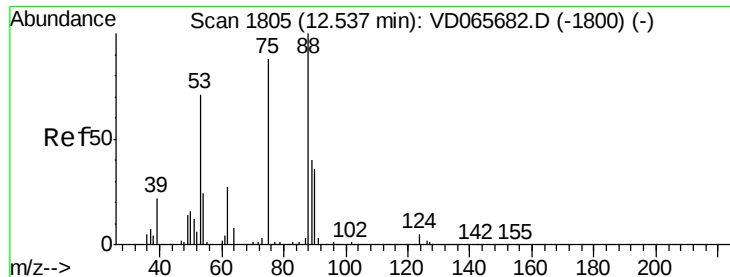
Tot Ion: 91 Resp: 67181
 Ion Ratio Lower Upper
 91 100
 126 36.6 19.3 57.9



#80
 1,3,5-Trimethylbenzene
 Concen: 4.364 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065679.D
 Acq: 29 Apr 2020 13:34

Tgt Ion: 105 Resp: 76255
 Ion Ratio Lower Upper
 105 100
 120 49.1 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 4.788 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

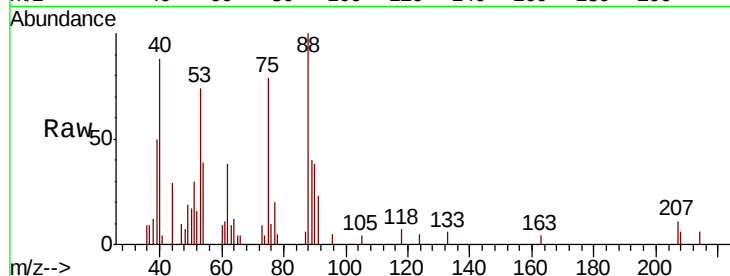
Tot Ion: 75 Resp: 5207

Ion Ratio Lower Upper

75 100

53 89.6 70.5 105.7

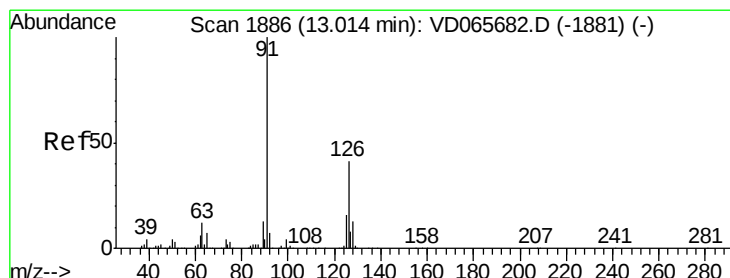
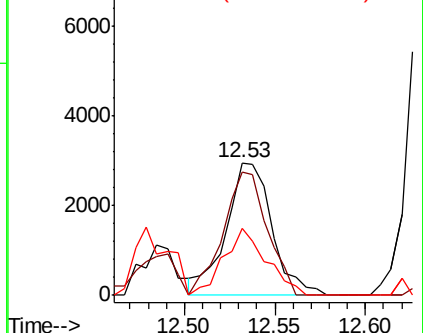
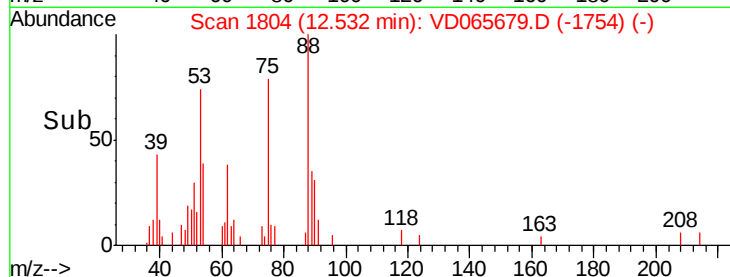
89 45.9 39.0 58.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 4.591 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065679.D

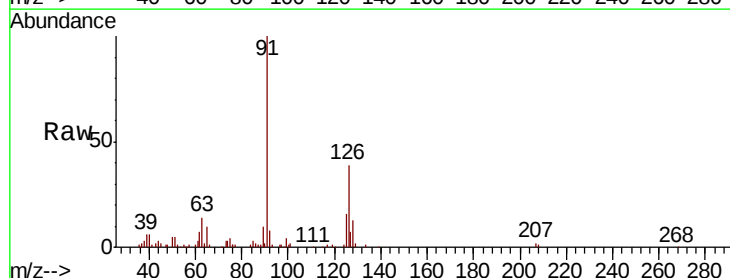
Acq: 29 Apr 2020 13:34

Tgt Ion: 91 Resp: 69773

Ion Ratio Lower Upper

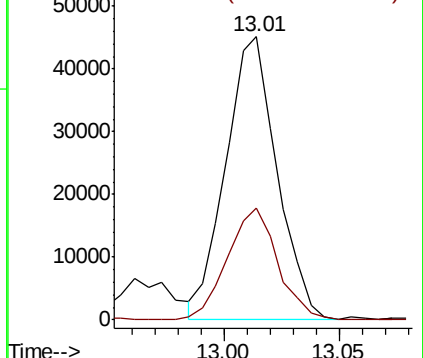
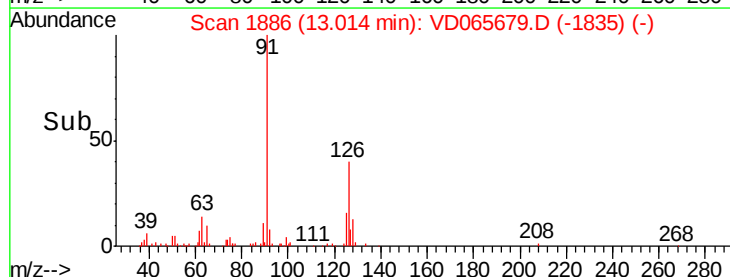
91 100

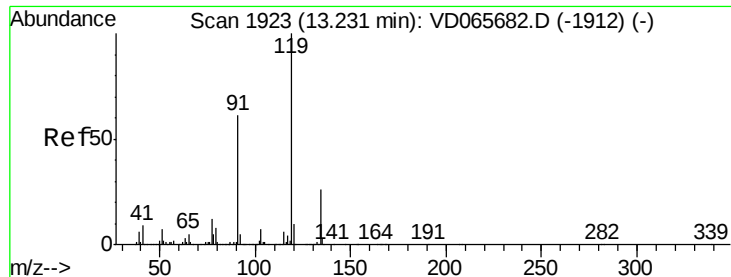
126 38.9 19.3 57.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

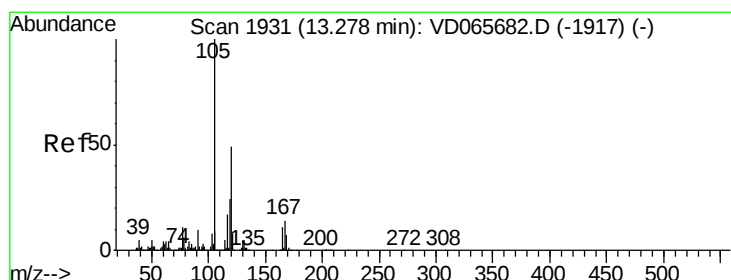
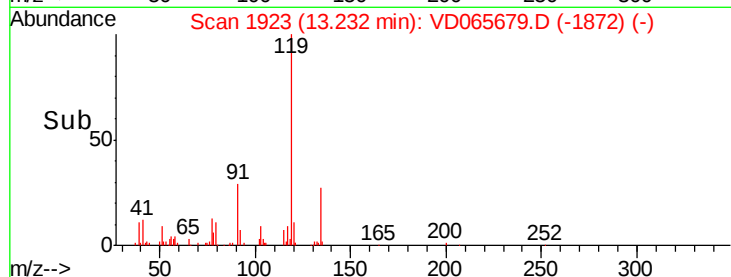
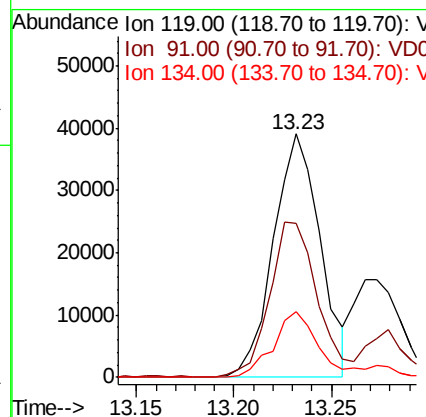
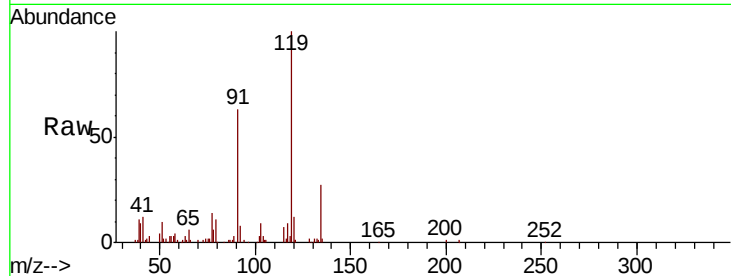




#83
tert-Butylbenzene
Concen: 4.511 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

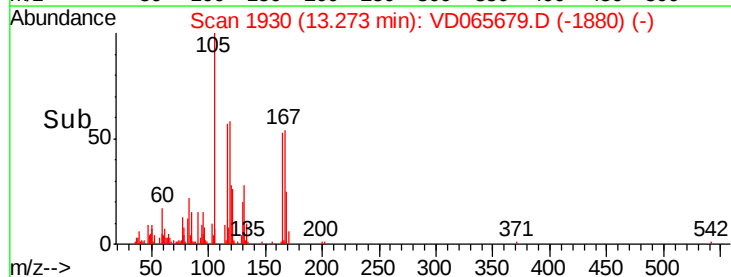
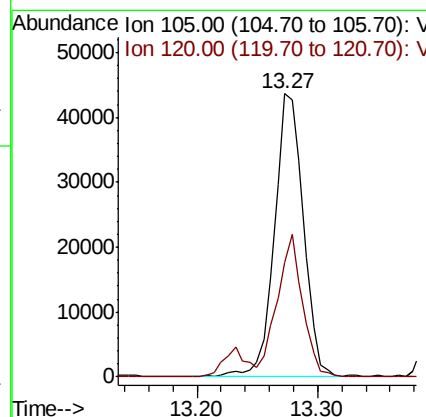
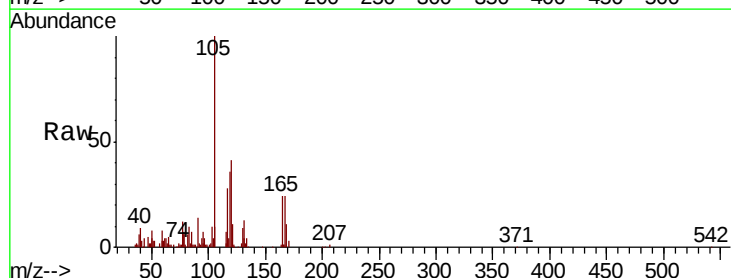
Instrument :
MSVOA_D
ClientSampled :

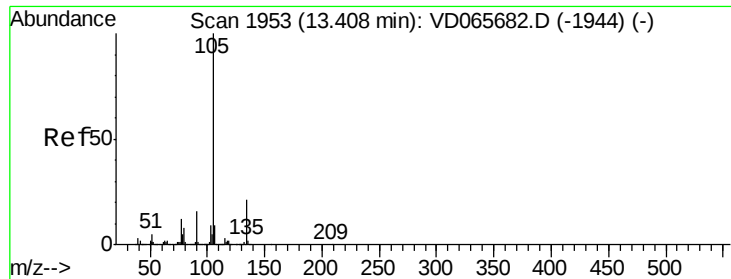
Tot Ion:119 Resp: 65069
Ion Ratio Lower Upper
119 100
91 65.3 30.6 91.8
134 26.2 14.3 42.9



#84
1,2,4-Trimethylbenzene
Concen: 4.200 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

Tgt Ion:105 Resp: 72534
Ion Ratio Lower Upper
105 100
120 44.5 24.0 72.0





#85

sec-Butylbenzene

Concen: 4.521 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :

MSVOA_D

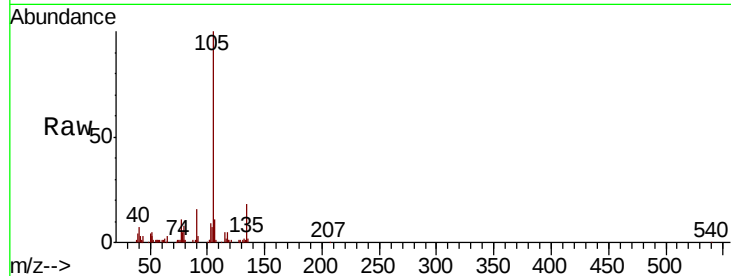
ClientSampleId :

Tot Ion:105 Resp: 95009

Ion Ratio Lower Upper

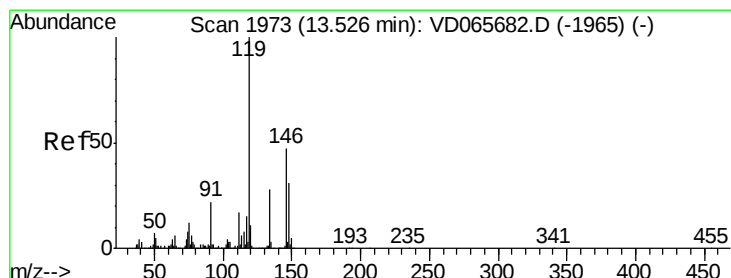
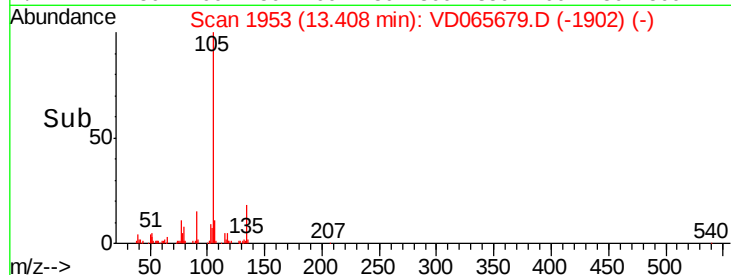
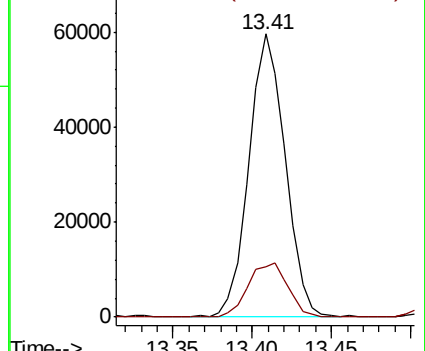
105 100

134 20.8 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.323 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

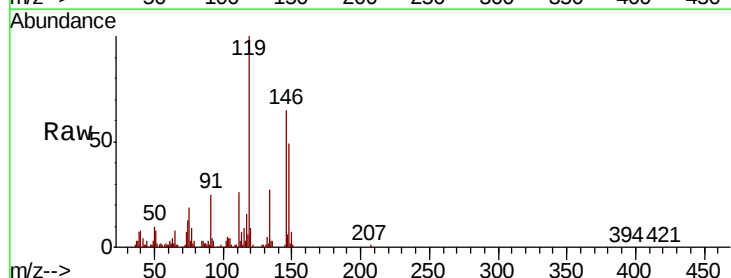
Tgt Ion:119 Resp: 83789

Ion Ratio Lower Upper

119 100

134 27.6 13.8 41.3

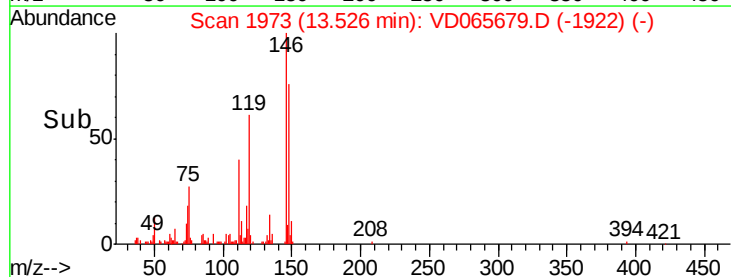
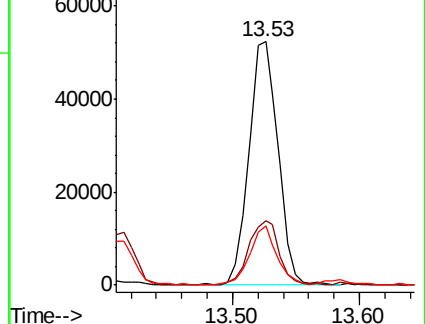
91 22.9 11.1 33.3

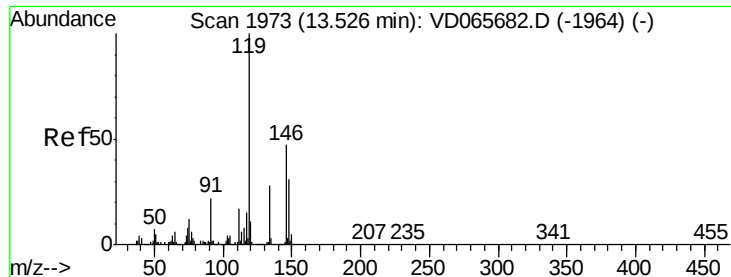


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 4.902 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

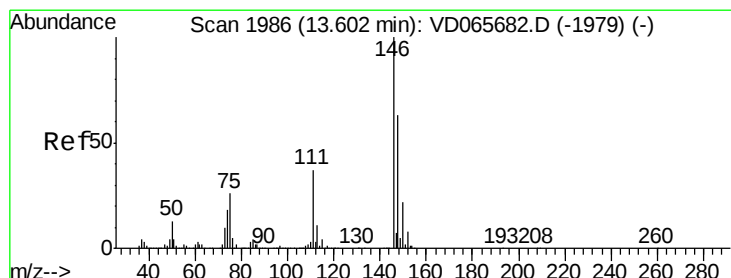
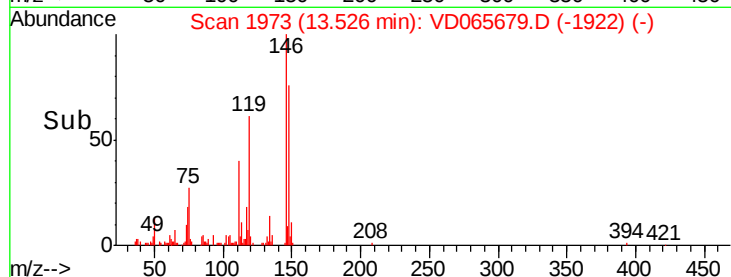
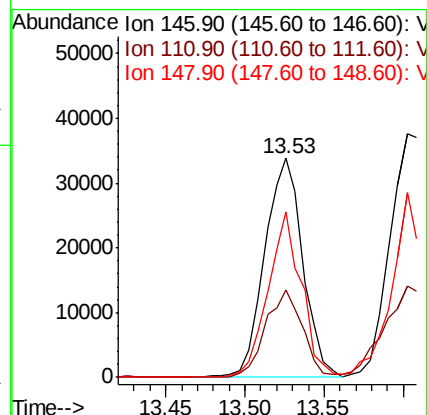
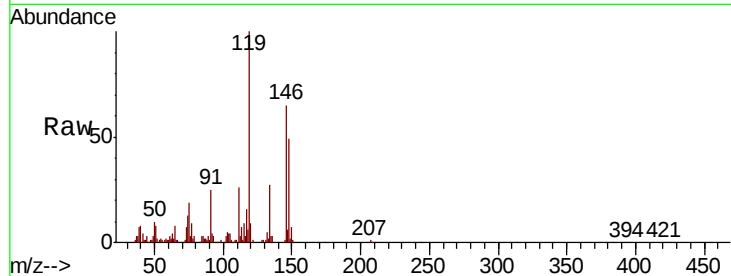
Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:146 Resp: 56404

Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.8
148	66.4	32.5	97.4



#88

1,4-Dichlorobenzene

Concen: 5.245 ug/l

RT: 13.60 min Scan# 1986

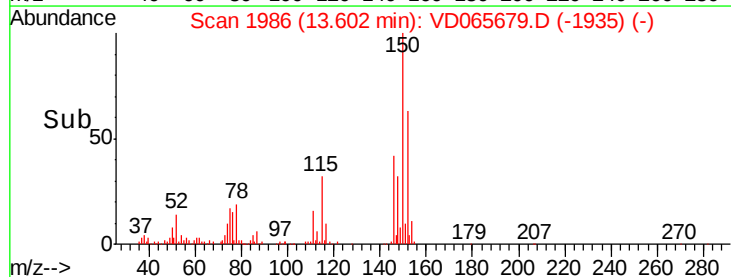
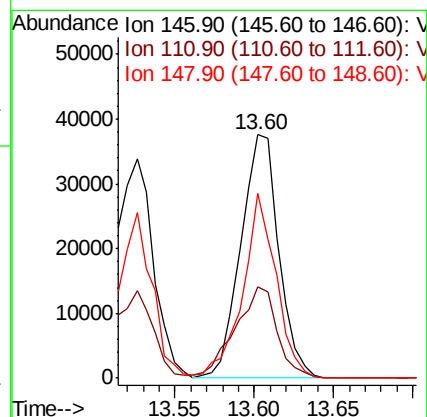
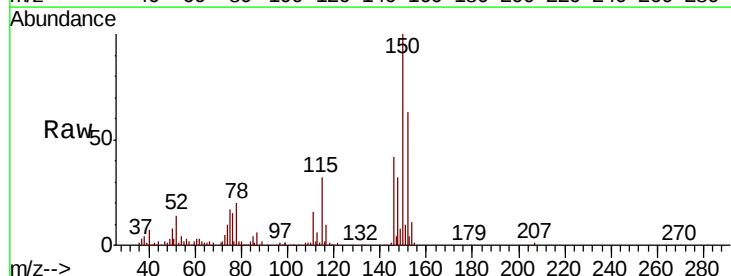
Delta R.T. 0.00 min

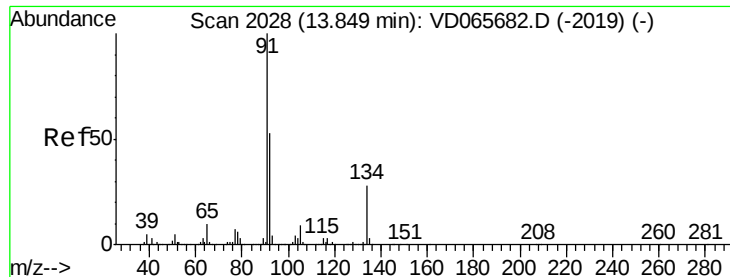
Lab File: VD065679.D

Acq: 29 Apr 2020 13:34

Tgt Ion:146 Resp: 62647

Ion	Ratio	Lower	Upper
146	100		
111	41.7	18.5	55.5
148	66.7	31.9	95.7

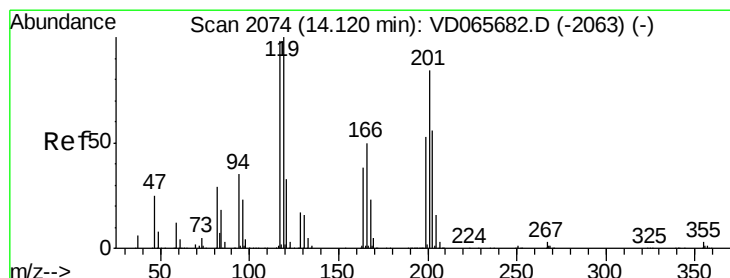
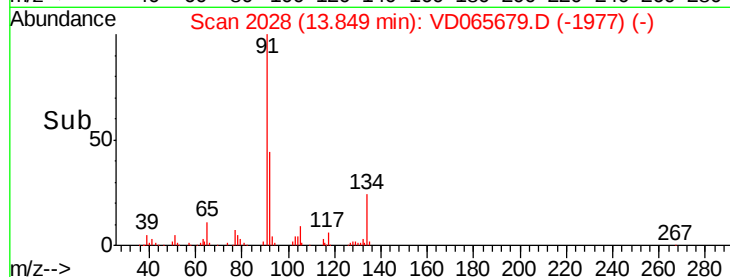
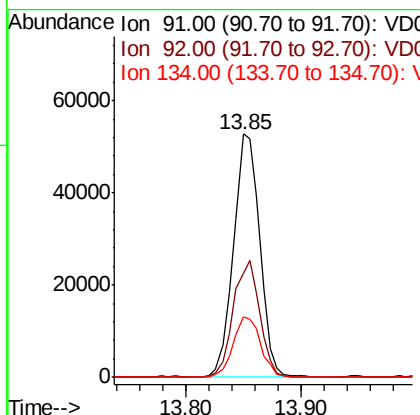
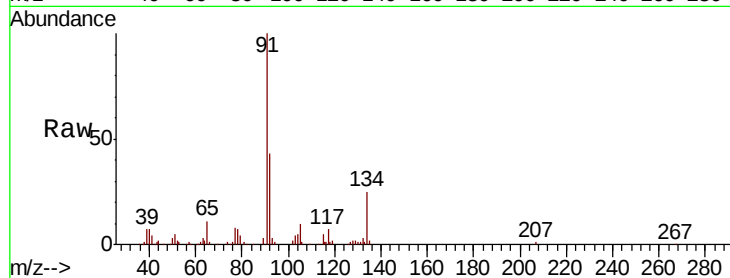




#89
n-Butylbenzene
Concen: 4.747 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

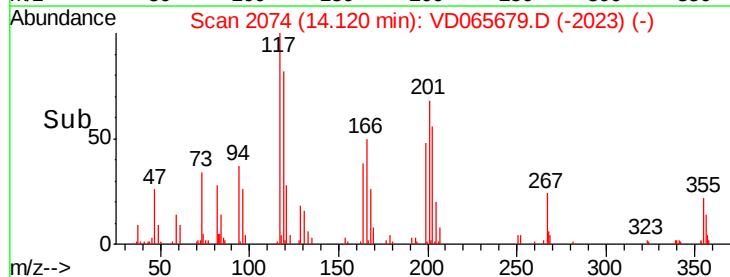
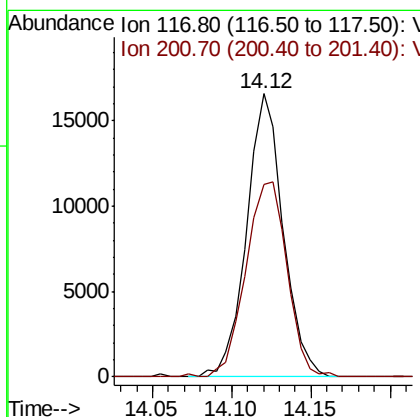
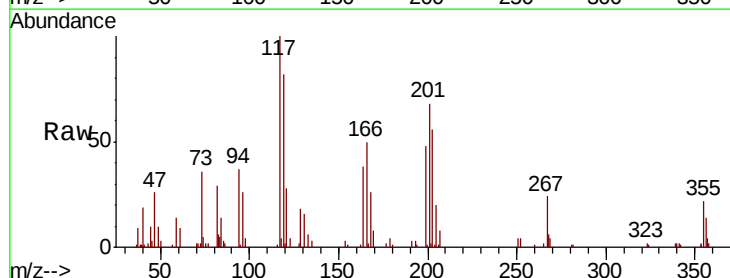
Instrument :
MSVOA_D
ClientSampleId :

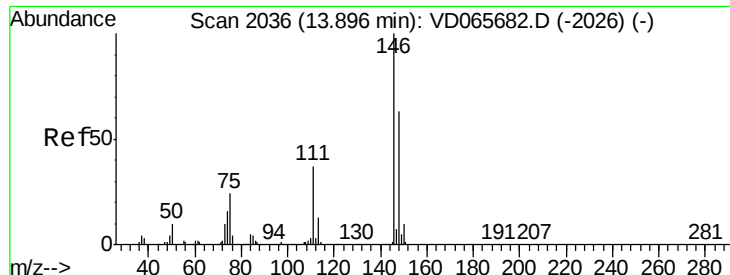
Tot Ion: 91 Resp: 83110
Ion Ratio Lower Upper
91 100
92 48.3 26.8 80.3
134 25.9 14.1 42.4



#90
Hexachloroethane
Concen: 5.524 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

Tgt Ion: 117 Resp: 26555
Ion Ratio Lower Upper
117 100
201 78.0 41.9 125.6

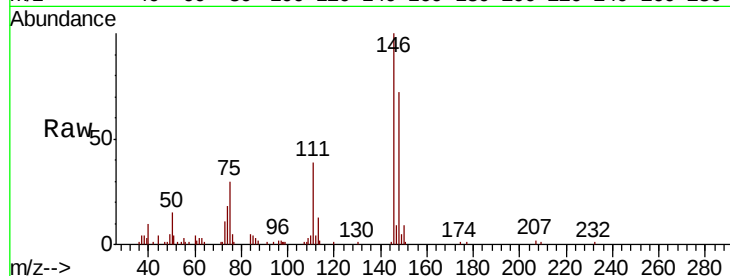




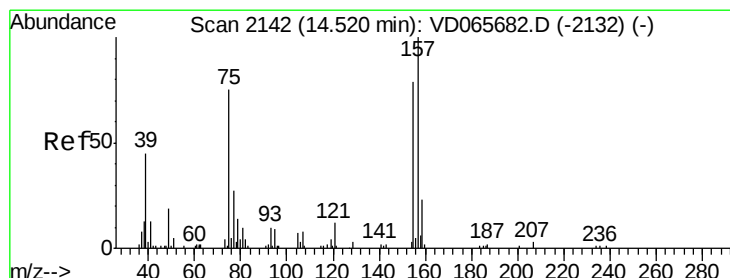
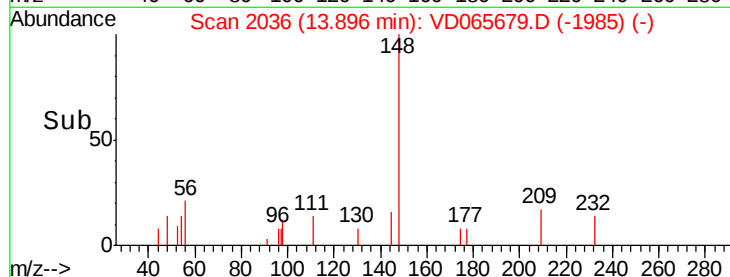
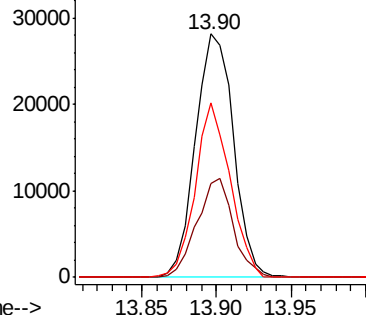
#91
 1,2-Dichlorobenzene
 Concen: 5.024 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065679.D
 Acq: 29 Apr 2020 13:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.7
148	65.6	32.6	98.0

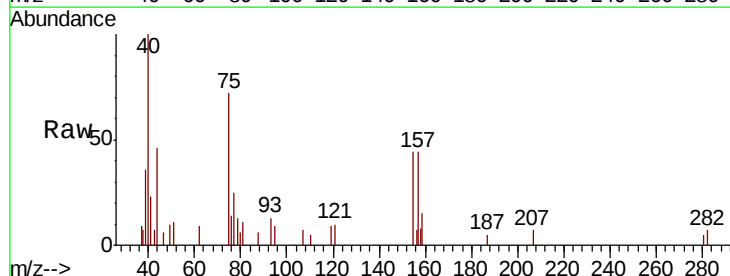


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

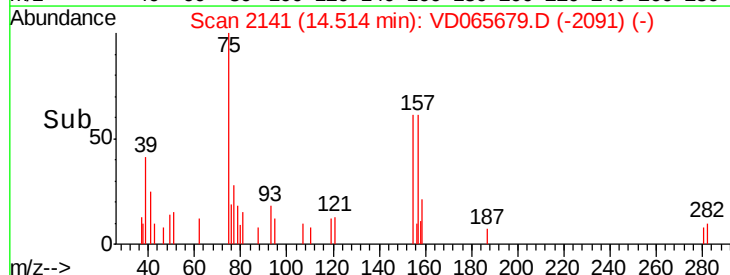
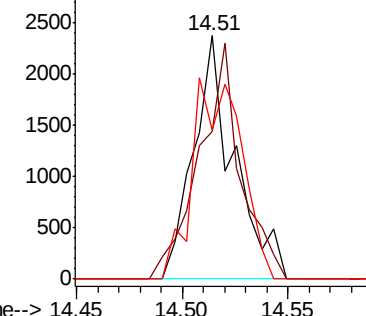


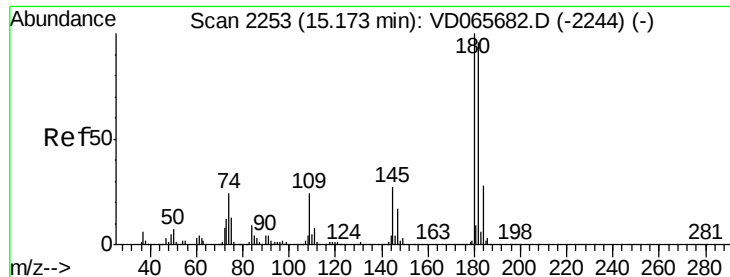
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.341 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065679.D
 Acq: 29 Apr 2020 13:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.3	50.5	151.6
157	99.7	67.8	203.2



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

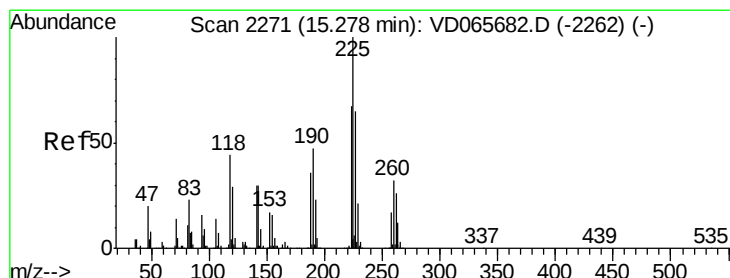
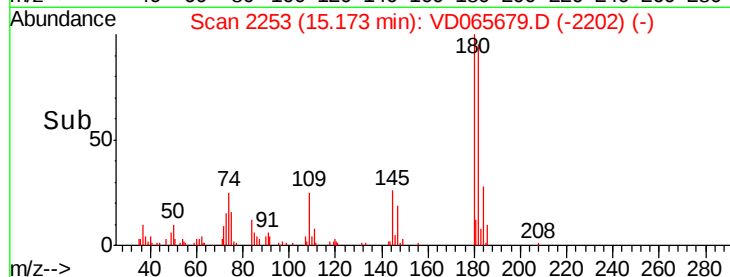
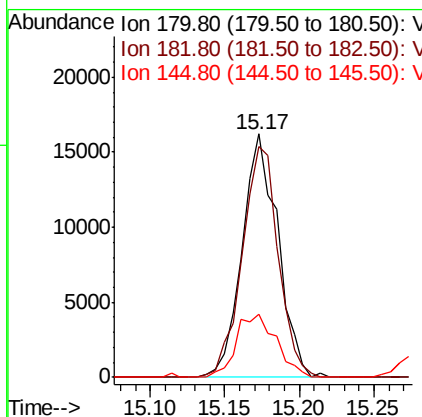
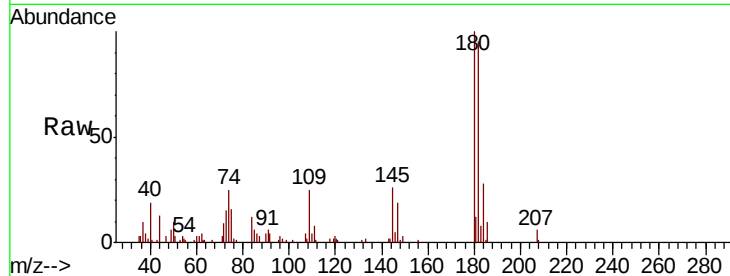




#93
 1,2,4-Trichlorobenzene
 Concen: 4.739 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065679.D
 Acq: 29 Apr 2020 13:34

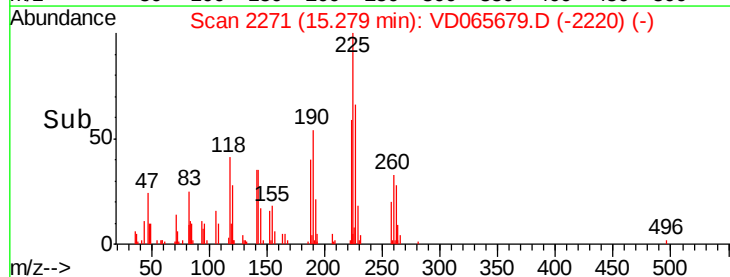
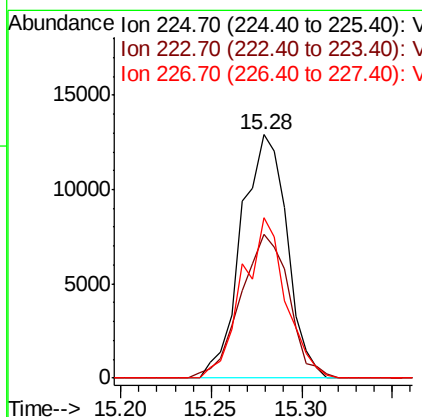
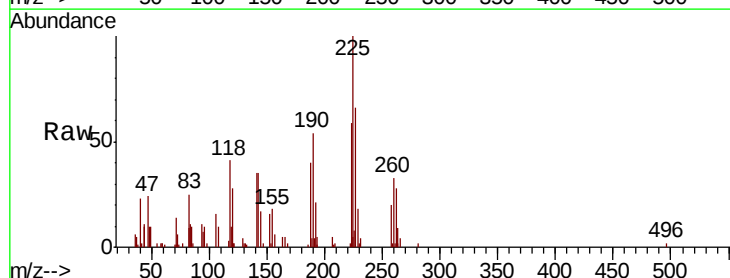
Instrument :
 MSVOA_D
 ClientSampled :

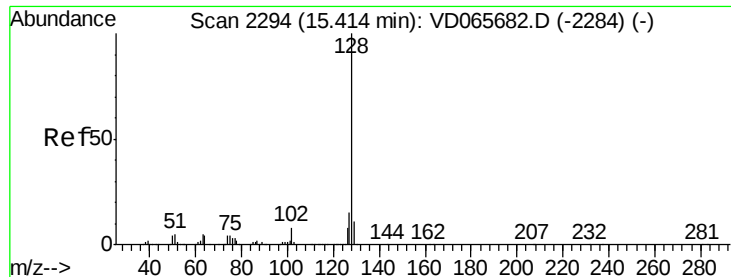
Tot Ion:180 Resp: 26807
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.0 144.0
 145 29.2 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 5.398 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065679.D
 Acq: 29 Apr 2020 13:34

Tgt Ion:225 Resp: 22696
 Ion Ratio Lower Upper
 225 100
 223 62.3 32.3 96.8
 227 62.5 32.2 96.6

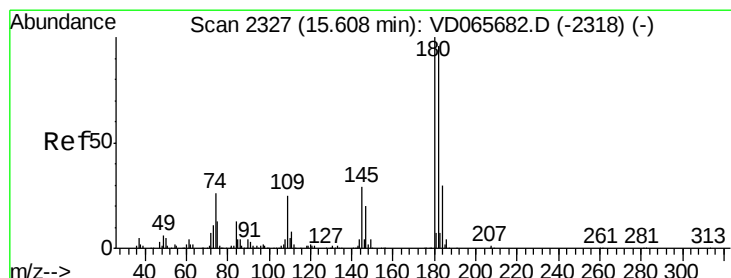
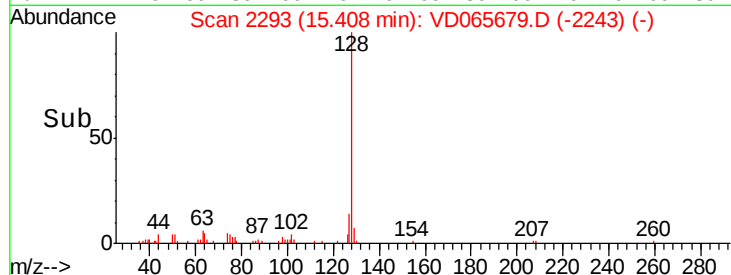
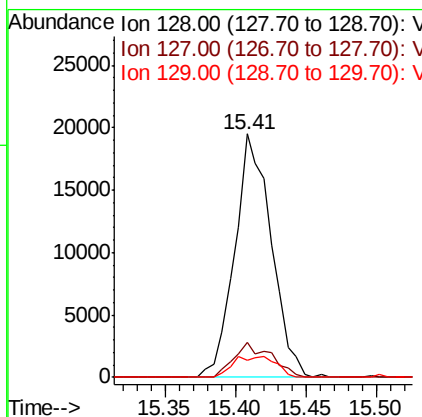
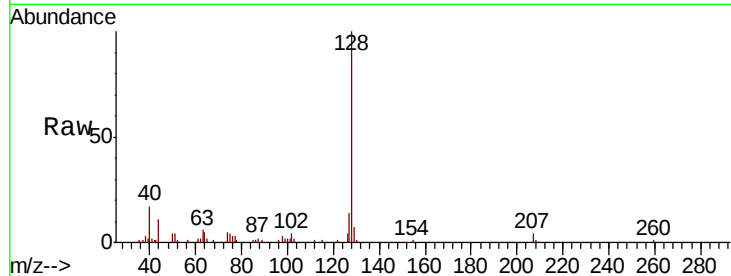




#95
Naphthalene
Concen: 4.380 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 35193
Ion Ratio Lower Upper
128 100
127 14.7 10.6 16.0
129 10.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 4.706 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065679.D
Acq: 29 Apr 2020 13:34

Tgt Ion:180 Resp: 23817
Ion Ratio Lower Upper
180 100
182 92.0 48.6 145.8
145 30.2 15.4 46.2

