

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067056.D
 Acq On : 03 Oct 2020 01:59
 Operator : VA/SY
 Sample : L4247-02MS
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MS

Quant Time: Oct 03 06:50:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	6982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	14565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	18733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	9466	50.00	ug/l	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.32	65	9418	140.04	ug/l	-0.01
Spiked Amount			Recovery	=	280.08%	
35) Dibromofluoromethane	7.91	113	5889	61.76	ug/l	0.00
Spiked Amount			Recovery	=	123.52%	
50) Toluene-d8	10.34	98	19124	55.04	ug/l	0.00
Spiked Amount			Recovery	=	110.08%	
62) 4-Bromofluorobenzene	12.63	95	8800	74.61	ug/l	0.00
Spiked Amount			Recovery	=	149.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2009	34.173	ug/l	99
3) Chloromethane	2.20	50	3557	63.971	ug/l	91
4) Vinyl Chloride	2.35	62	2321	41.630	ug/l #	71
5) Bromomethane	2.78	94	3810	111.331	ug/l	84
6) Chloroethane	2.92	64	2607	76.782	ug/l	100
7) Trichlorofluoromethane	3.27	101	4257	34.367	ug/l	84
8) Diethyl Ether	3.71	74	5168	168.245	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	1508	21.539	ug/l #	85
10) Methyl Iodide	4.30	142	4226	62.121	ug/l #	92
11) Tert butyl alcohol	5.20	59	8803	2712.051	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	3551	53.952	ug/l	89
13) Acrolein	3.91	56	3774	838.097	ug/l	97
14) Allyl chloride	4.71	41	6940	81.167	ug/l #	84
15) Acrylonitrile	5.41	53	23057	2039.492	ug/l	99
16) Acetone	4.16	43	25477	2481.735	ug/l #	87
17) Carbon Disulfide	4.41	76	9577	47.413	ug/l	100
18) Methyl Acetate	4.71	43	27907	1081.604	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	21869	182.013	ug/l #	72
20) Methylene Chloride	4.96	84	8071	121.142	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	5309	70.878	ug/l	91
22) Diisopropyl ether	6.36	45	15838	101.462	ug/l #	98
23) Vinyl Acetate	6.31	43	34642	391.636	ug/l	97
24) 1,1-Dichloroethane	6.26	63	4579	38.010	ug/l #	89
25) 2-Butanone	7.21	43	36327	2495.923	ug/l	99
26) 2,2-Dichloropropane	7.21	77	5884	57.760	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	6412	80.154	ug/l	93
28) Bromochloromethane	7.54	49	6245	134.234	ug/l	97
29) Tetrahydrofuran	7.56	42	17384	2077.256	ug/l	95
30) Chloroform	7.71	83	10996	84.143	ug/l	93
31) Cyclohexane	7.99	56	2120	20.991	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	6101	50.375	ug/l	97
36) 1,1-Dichloropropene	8.11	75	4207	30.988	ug/l #	91
37) Ethyl Acetate	7.29	43	9248	196.634	ug/l #	89
38) Carbon Tetrachloride	8.09	117	3638	24.766	ug/l #	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	3392	23.632	ug/l #	85
40) Benzene	8.35	78	20014	53.075	ug/l	98
41) Methacrylonitrile	7.51	41	4580	180.254	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	11442	108.589	ug/l	99
43) Isopropyl Acetate	8.46	43	15346	177.119	ug/l	97
44) Trichloroethene	9.11	130	5210	46.269	ug/l	93
45) 1,2-Dichloropropane	9.39	63	6328	71.421	ug/l	97
46) Dibromomethane	9.47	93	7072	138.875	ug/l #	83
47) Bromodichloromethane	9.66	83	10670	80.606	ug/l #	89
48) Methyl methacrylate	9.46	41	9787	220.487	ug/l #	86
49) 1,4-Dioxane	9.46	88	4593	8641.934	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	63171	1463.768	ug/l	95
52) Toluene	10.40	92	11468	47.211	ug/l	90
53) t-1,3-Dichloropropene	10.62	75	10828	91.525	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	11027	76.330	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	10214	144.268	ug/l	92
56) Ethyl methacrylate	10.66	69	11773	161.063	ug/l	93
57) 1,3-Dichloropropane	10.94	76	14329	124.808	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.94	63	28539	701.482	ug/l	95
59) 2-Hexanone	10.98	43	44253	1536.328	ug/l	94
60) Dibromochloromethane	11.13	129	8847	93.755	ug/l	79
61) 1,2-Dibromoethane	11.25	107	9947	146.240	ug/l	98
64) Tetrachloroethene	10.88	164	3825	28.086	ug/l	89
65) Chlorobenzene	11.67	112	13901	37.311	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.74	131	5980	42.195	ug/l	80
67) Ethyl Benzene	11.74	91	19835	31.071	ug/l	90
68) m/p-Xylenes	11.86	106	14029	56.391	ug/l	94
69) o-Xylene	12.18	106	10118	45.480	ug/l	96
70) Styrene	12.20	104	14341	37.540	ug/l #	91
71) Bromoform	12.37	173	7541	102.507	ug/l #	100
73) Isopropylbenzene	12.48	105	9626	14.976	ug/l	86
74) N-amyl acetate	12.30	43	11182	96.775	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.73	83	12732	117.568	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	14613	177.230	ug/l #	100
77) Bromobenzene	12.76	156	6862	44.214	ug/l	88
78) n-propylbenzene	12.82	91	11745	15.462	ug/l	86
79) 2-Chlorotoluene	12.91	91	12037	27.696	ug/l	88
80) 1,3,5-Trimethylbenzene	12.96	105	26103	48.067	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.53	75	4284	129.537	ug/l	85
82) 4-Chlorotoluene	13.01	91	8586	18.568	ug/l	86
83) tert-Butylbenzene	13.21	119	7355	16.083	ug/l	84
84) 1,2,4-Trimethylbenzene	13.27	105	21644	39.938	ug/l	99
85) sec-Butylbenzene	13.40	105	6962	10.811	ug/l #	62
86) p-Isopropyltoluene	13.53	119	9568	16.025	ug/l	95
87) 1,3-Dichlorobenzene	13.51	146	8237	27.247	ug/l	82
88) 1,4-Dichlorobenzene	13.60	146	6964	23.039	ug/l	92
89) n-Butylbenzene	13.84	91	3863	7.080	ug/l #	46
90) Hexachloroethane	14.12	117	2482	23.732	ug/l #	22
91) 1,2-Dichlorobenzene	13.89	146	8002	30.309	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2423	138.799	ug/l	87

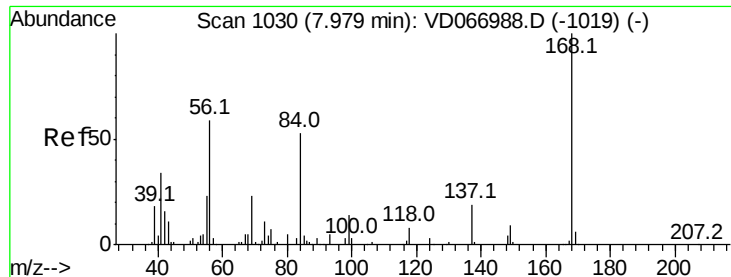
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	2688	15.740	ug/l #	89
94) Hexachlorobutadiene	15.27	225	242	2.307	ug/l #	61
95) Naphthalene	15.41	128	41088	144.248	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.60	180	2960	19.967	ug/l #	4

(#) = 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. 0.00 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

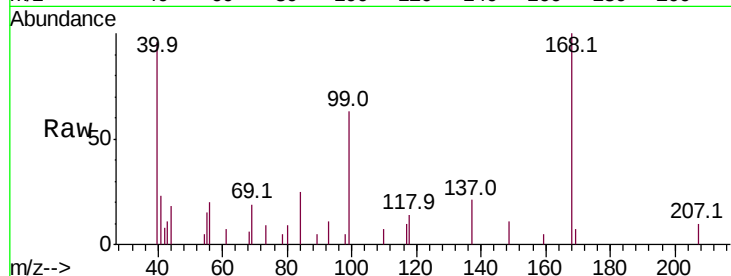
B-18(0-1)MS

Tot Ion:168 Resp: 6982

Ion Ratio Lower Upper

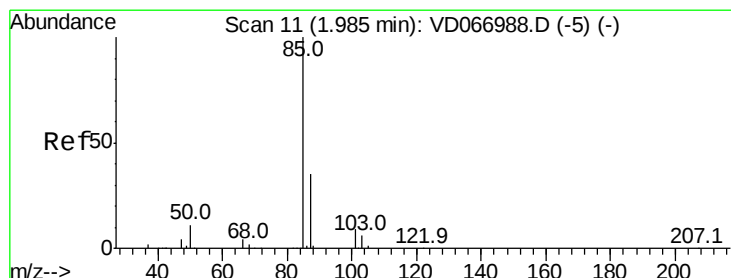
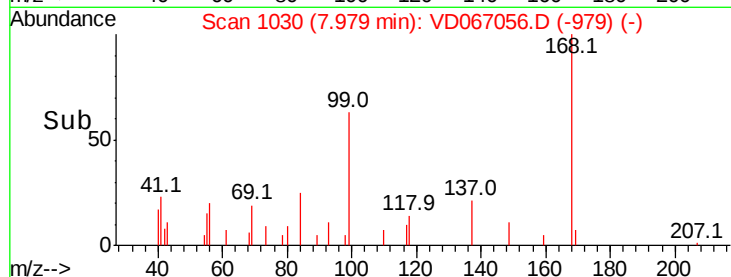
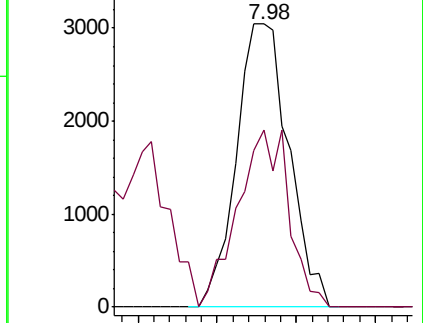
168 100

99 62.8 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 34.173 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067056.D

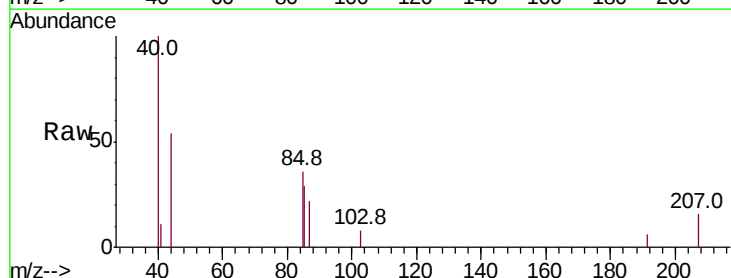
Acq: 03 Oct 2020 01:59

Tgt Ion: 85 Resp: 2009

Ion Ratio Lower Upper

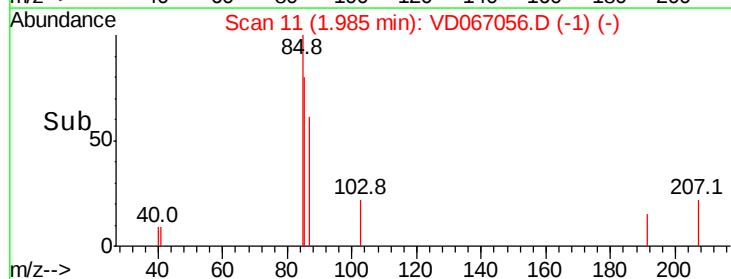
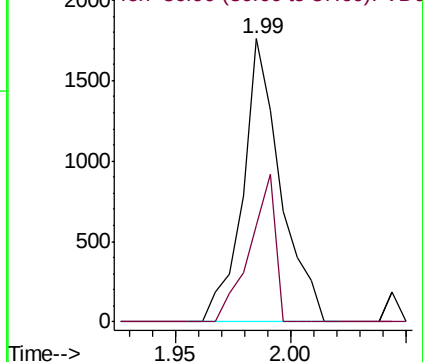
85 100

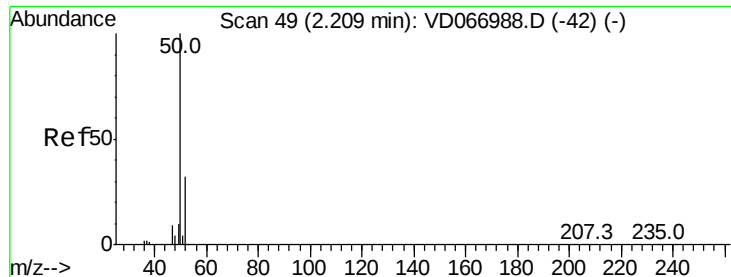
87 34.1 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 63.971 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

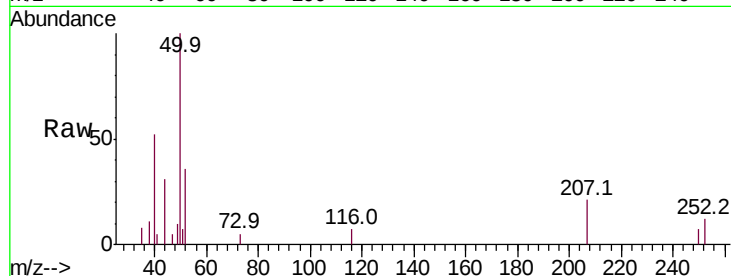
B-18(0-1)MS

Tot Ion: 50 Resp: 3557

Ion Ratio Lower Upper

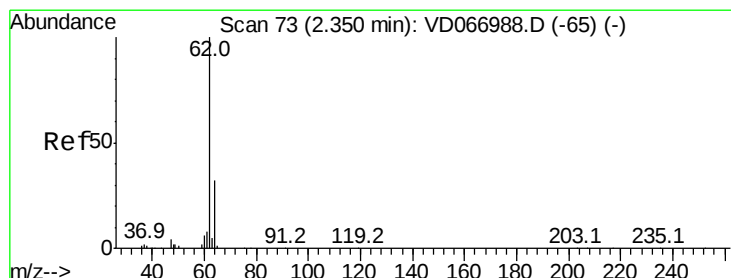
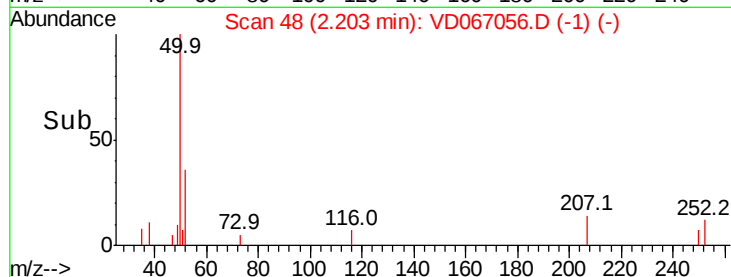
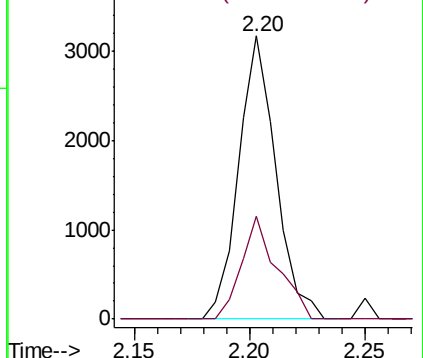
50 100

52 36.5 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 41.630 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067056.D

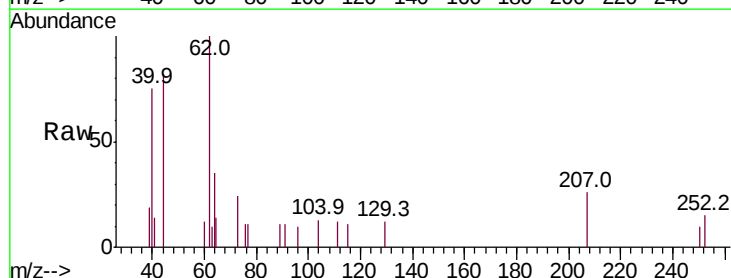
Acq: 03 Oct 2020 01:59

Tgt Ion: 62 Resp: 2321

Ion Ratio Lower Upper

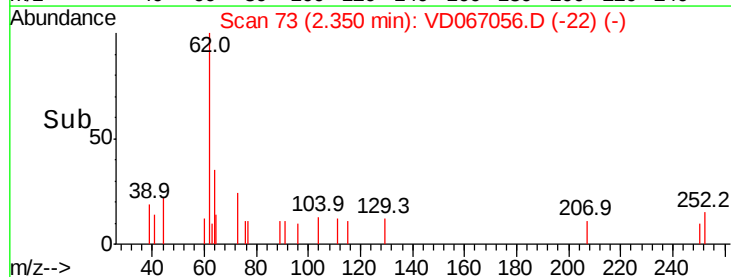
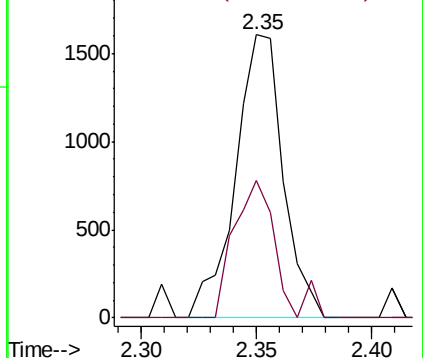
62 100

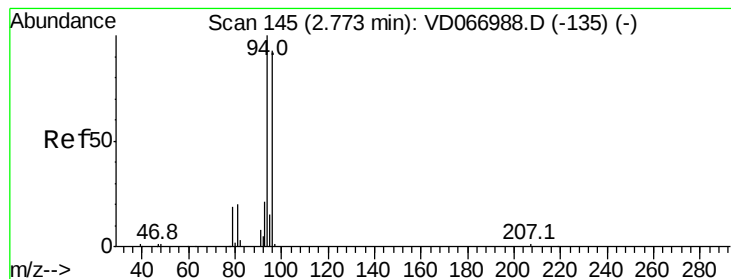
64 48.7 25.8 38.8#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 111.331 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

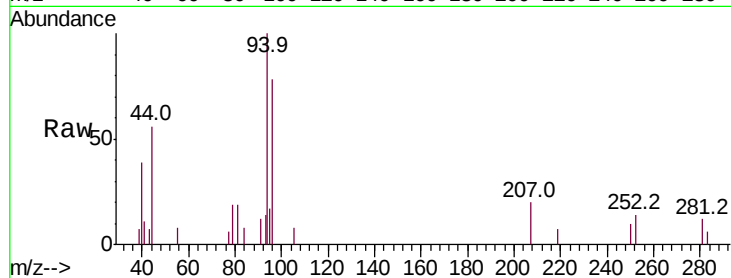
B-18(0-1)MS

Tot Ion: 94 Resp: 3810

Ion Ratio Lower Upper

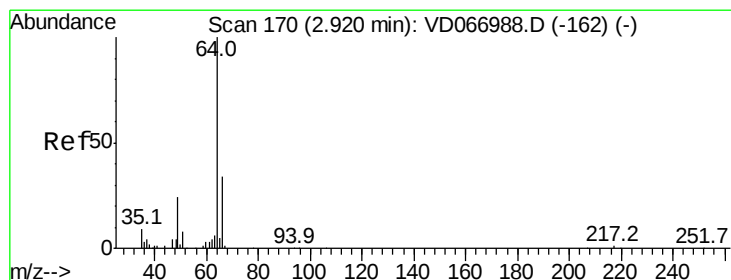
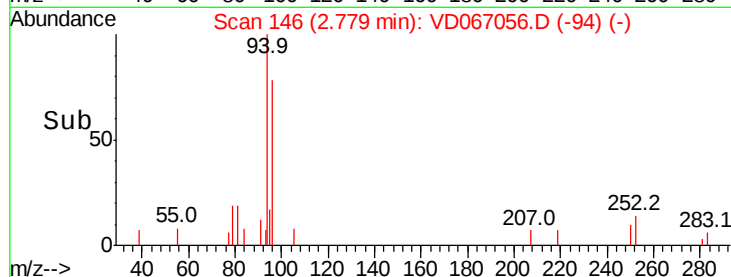
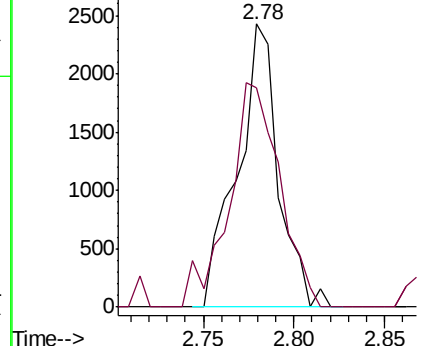
94 100

96 77.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 76.782 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067056.D

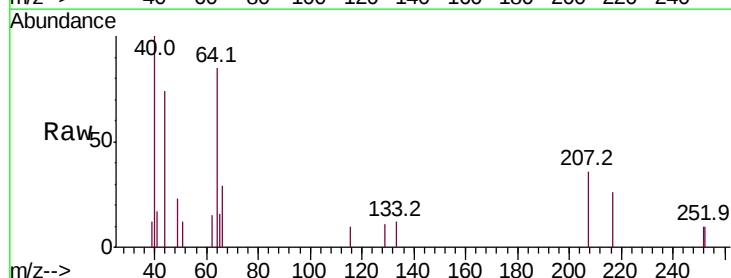
Acq: 03 Oct 2020 01:59

Tgt Ion: 64 Resp: 2607

Ion Ratio Lower Upper

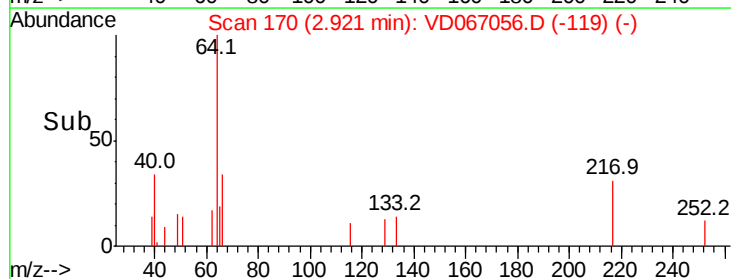
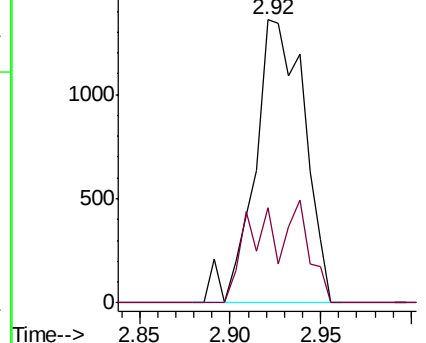
64 100

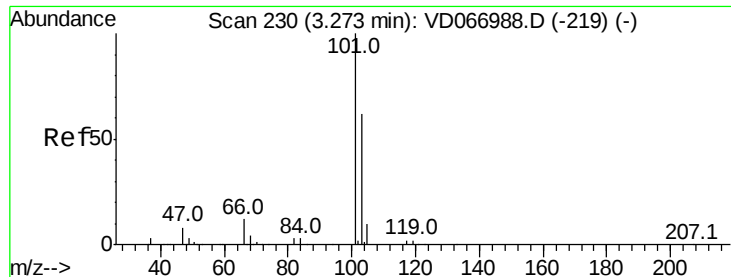
66 33.7 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



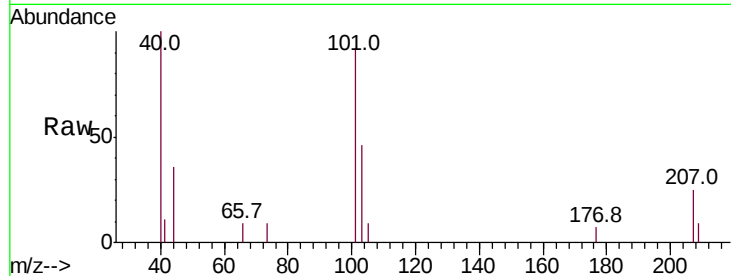


#7

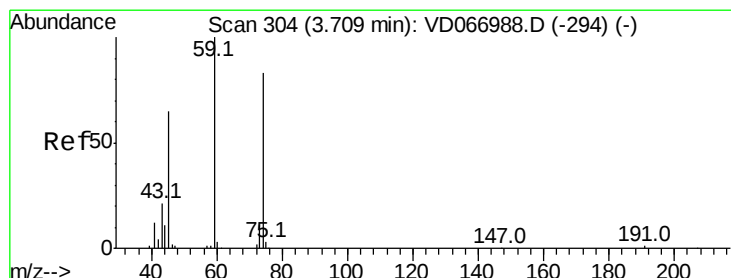
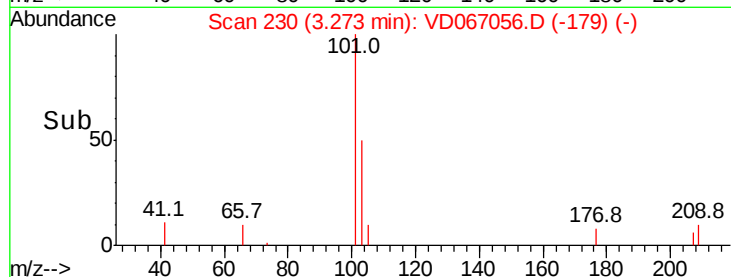
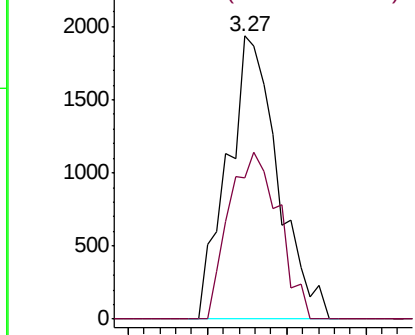
Trichlorofluoromethane
 Concen: 34.367 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067056.D
 Acq: 03 Oct 2020 01:59

Instrument :
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 B-18(0-1)MS

Tot Ion:101 Resp: 4257
 Ion Ratio Lower Upper
 101 100
 103 49.9 49.8 74.8



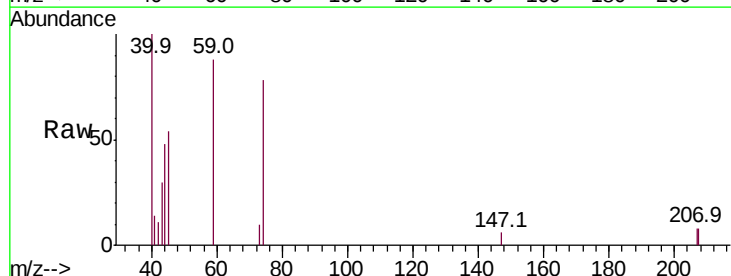
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



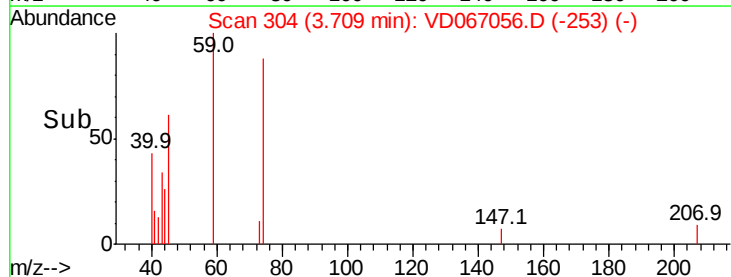
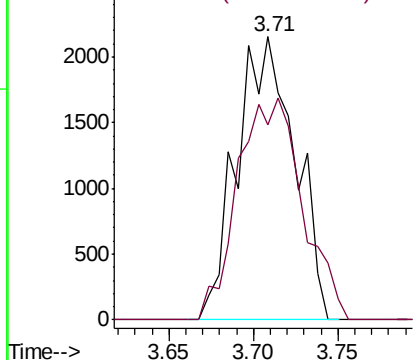
#8

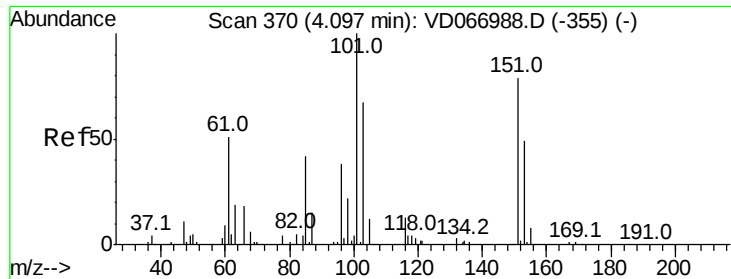
Diethyl Ether
 Concen: 168.245 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067056.D
 Acq: 03 Oct 2020 01:59

Tgt Ion: 74 Resp: 5168
 Ion Ratio Lower Upper
 74 100
 45 86.7 43.1 129.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.539 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

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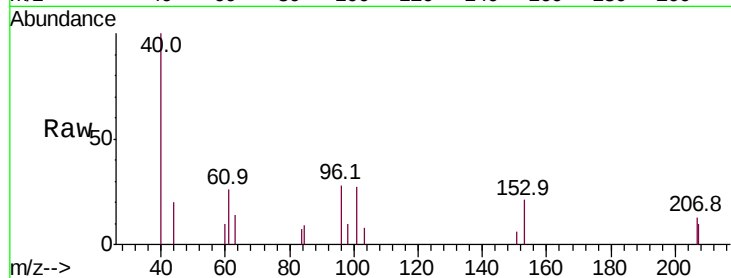
Tot Ion:101 Resp: 1508

Ion Ratio Lower Upper

101 100

85 31.9 33.8 50.8#

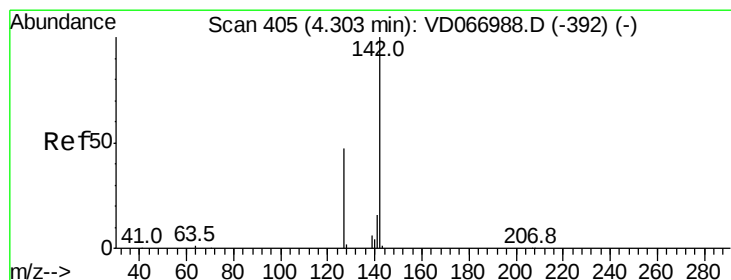
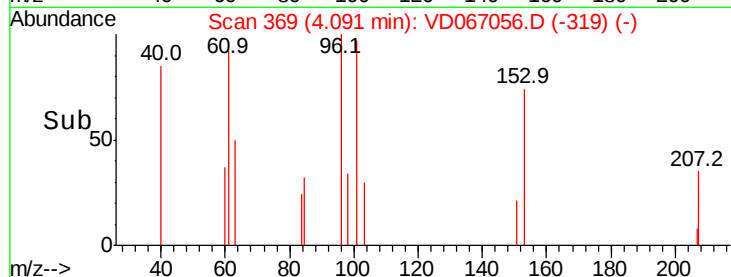
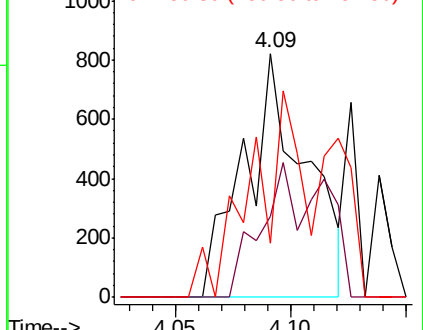
151 67.3 63.8 95.8



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: 62.121 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

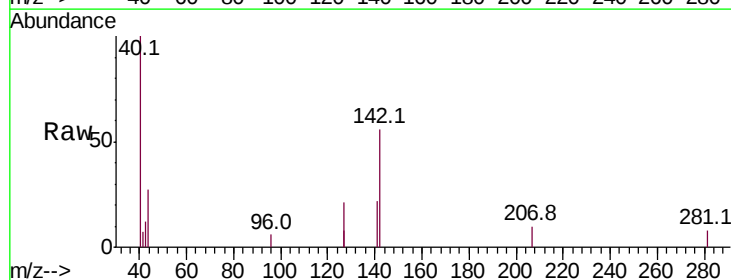
Tgt Ion:142 Resp: 4226

Ion Ratio Lower Upper

142 100

127 49.7 36.3 54.5

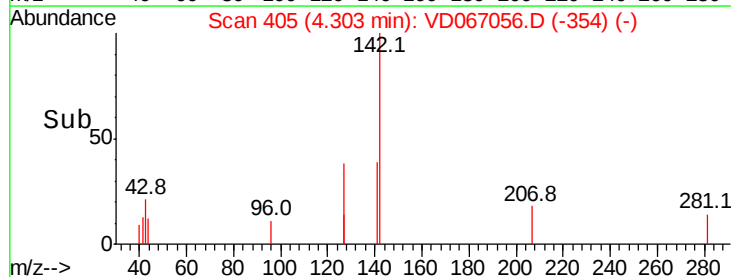
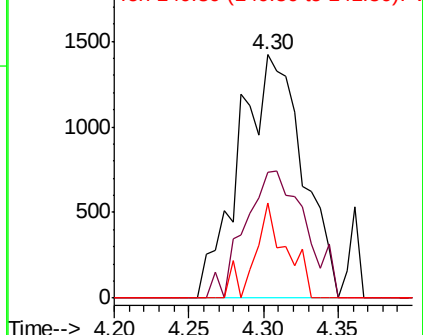
141 19.4 12.0 18.0#

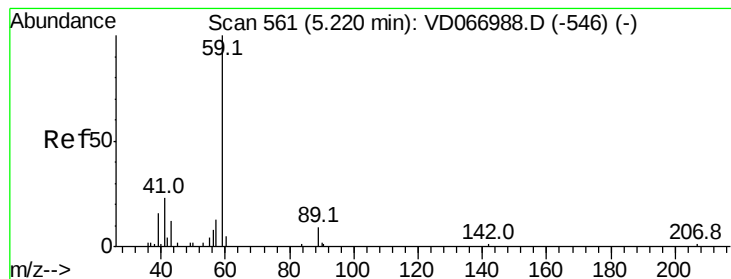


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



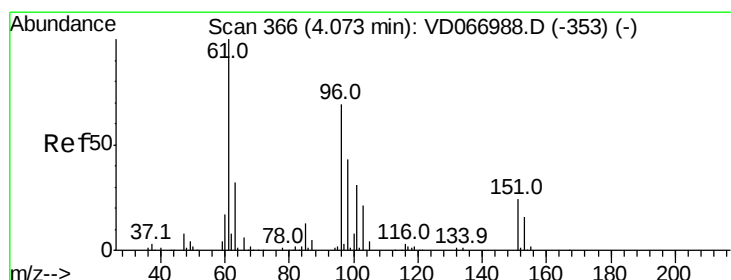
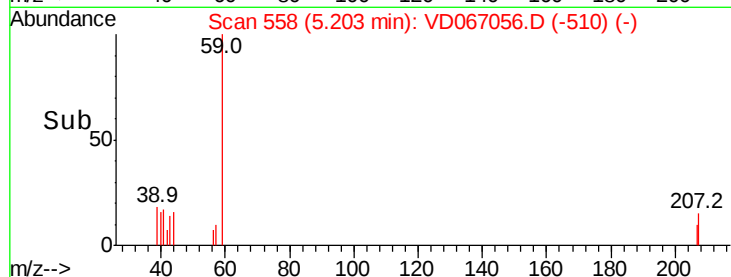
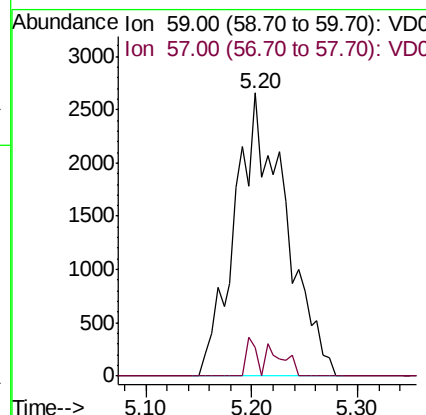
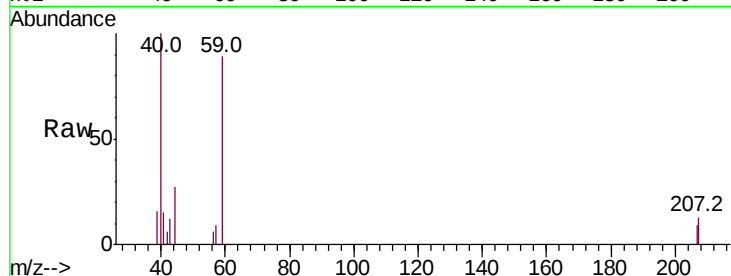


#11

Tert butyl alcohol
Concen: 2712.051 ug/l
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MS

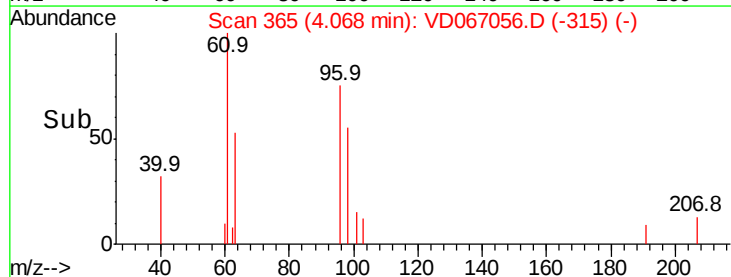
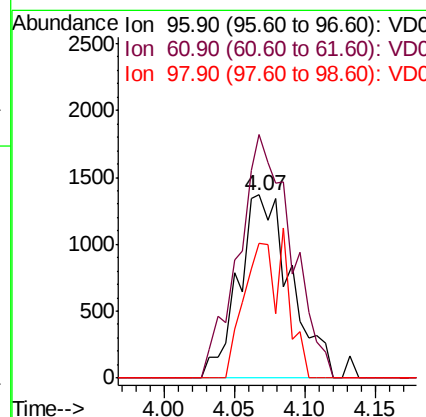
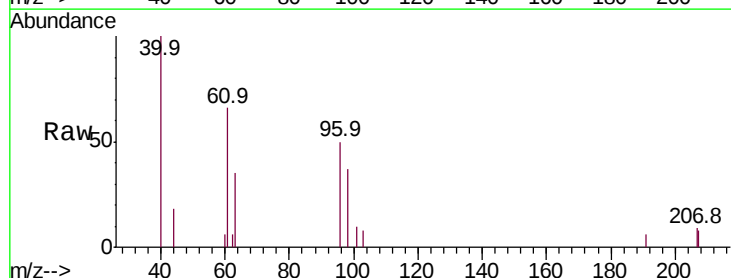
Tot Ion: 59 Resp: 8803
Ion Ratio Lower Upper
59 100
57 2.5 8.2 12.4#

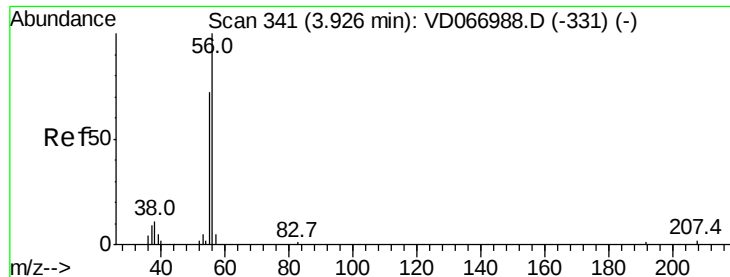


#12

1,1-Dichloroethene
Concen: 53.952 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Tgt Ion: 96 Resp: 3551
Ion Ratio Lower Upper
96 100
61 132.9 116.4 174.6
98 73.3 49.9 74.9





#13

Acrolein

Concen: 838.097 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

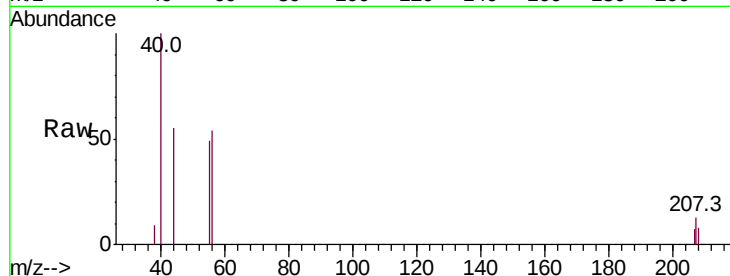
B-18(0-1)MS

Tot Ion: 56 Resp: 3774

Ion Ratio Lower Upper

56 100

55 73.7 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.91

1500

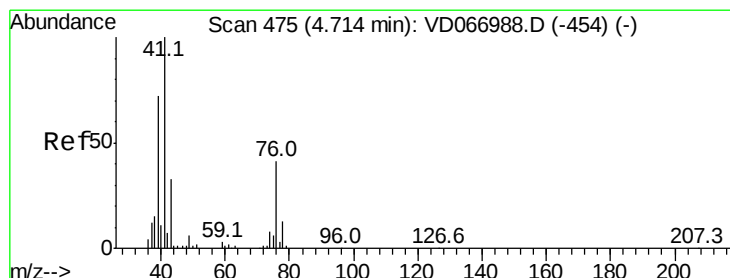
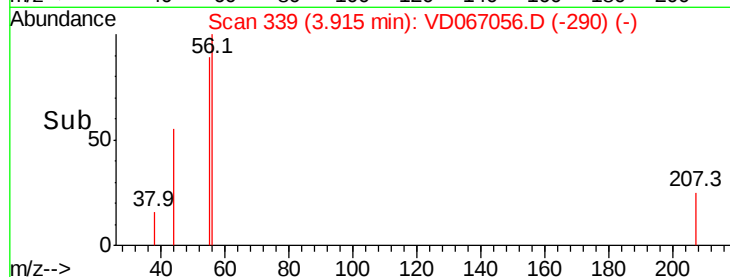
1000

500

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 81.167 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

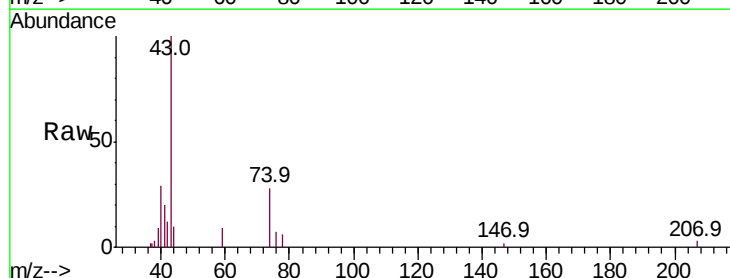
Tgt Ion: 41 Resp: 6940

Ion Ratio Lower Upper

41 100

39 55.2 56.2 84.2#

76 35.0 34.2 51.2



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

2500

2000

1500

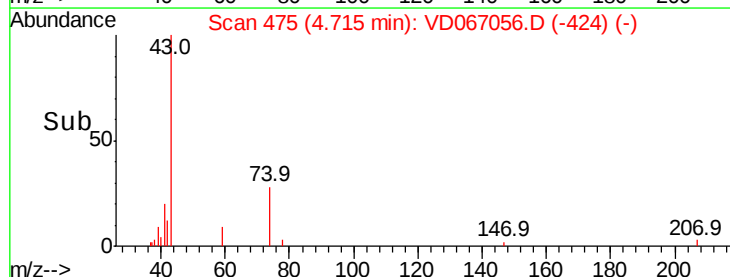
1000

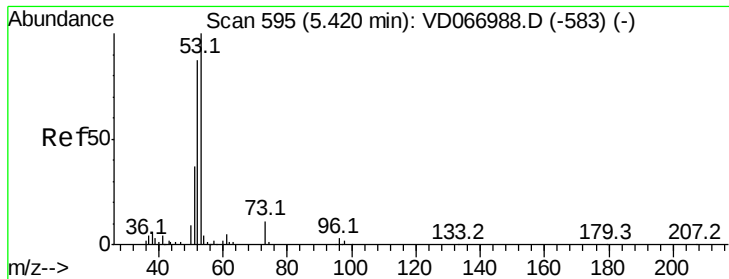
500

0

4.60 4.65 4.70 4.75 4.80

Time-->





#15

Acrylonitrile

Concen: 2039.492 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MS

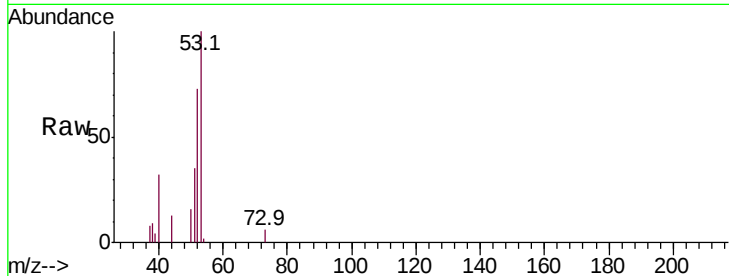
Tot Ion: 53 Resp: 23057

Ion Ratio Lower Upper

53 100

52 83.3 67.3 100.9

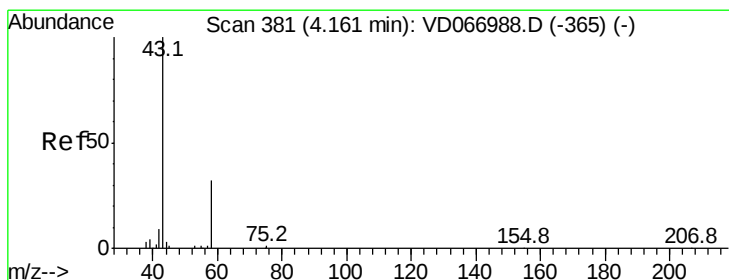
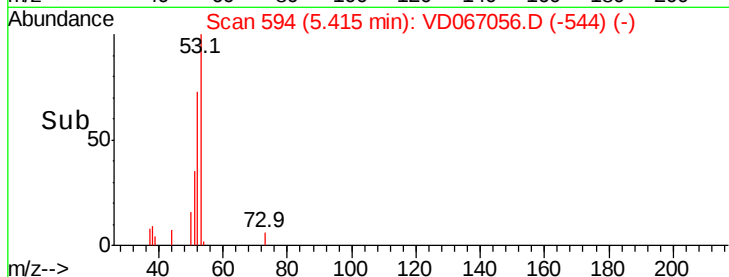
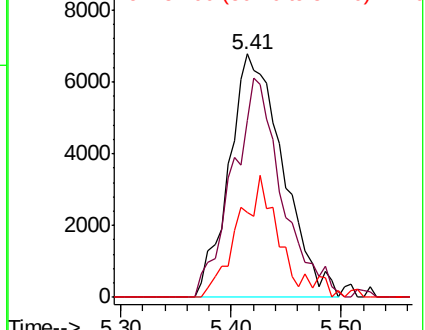
51 36.2 30.2 45.2



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: 2481.735 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067056.D

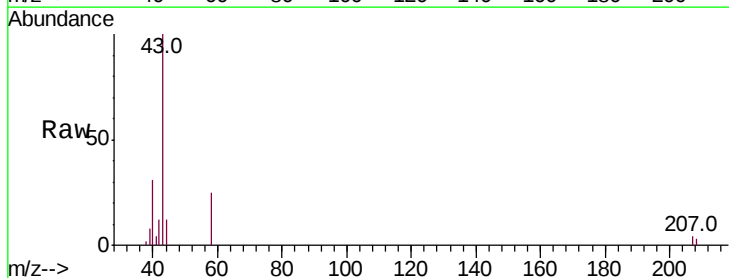
Acq: 03 Oct 2020 01:59

Tgt Ion: 43 Resp: 25477

Ion Ratio Lower Upper

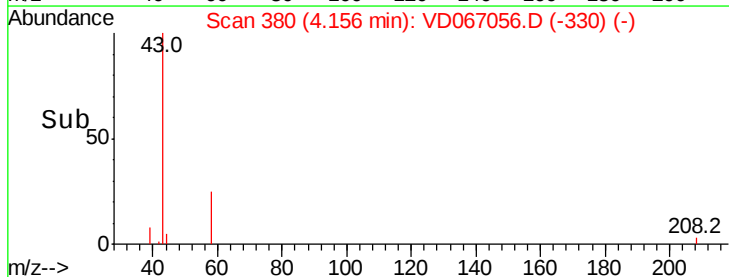
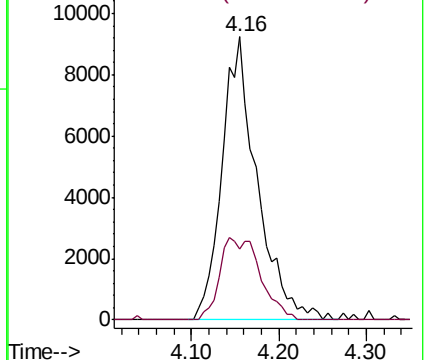
43 100

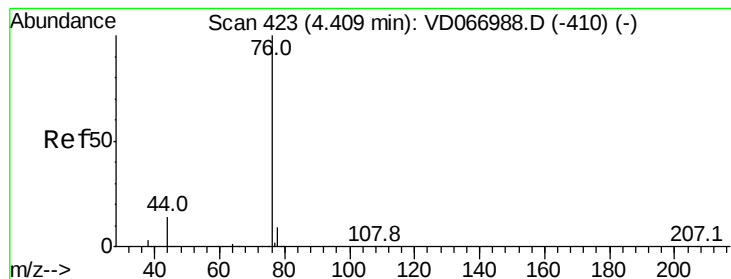
58 25.1 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 47.413 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

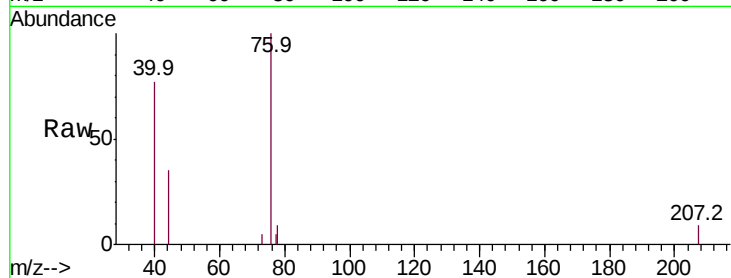
B-18(0-1)MS

Tot Ion: 76 Resp: 9577

Ion Ratio Lower Upper

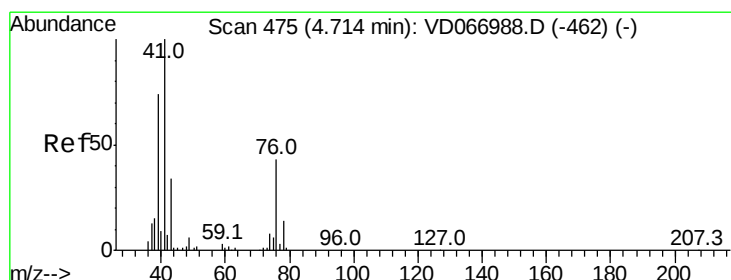
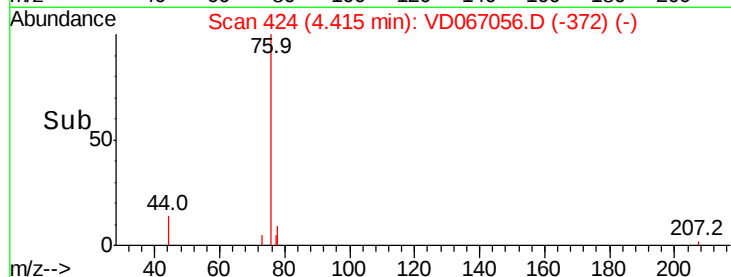
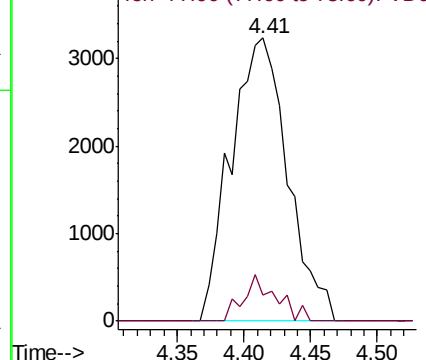
76 100

78 9.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 1081.604 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067056.D

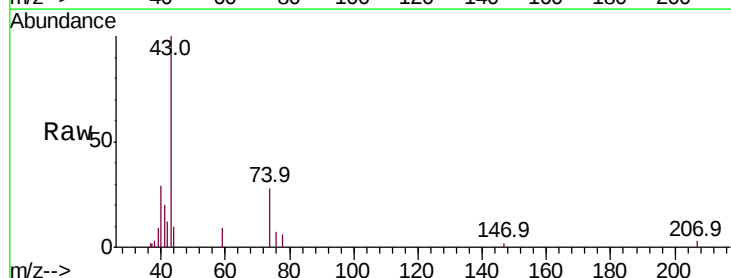
Acq: 03 Oct 2020 01:59

Tgt Ion: 43 Resp: 27907

Ion Ratio Lower Upper

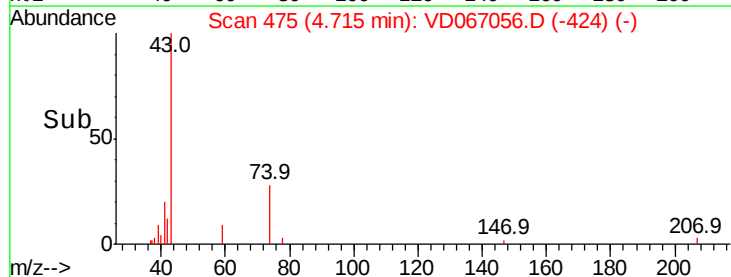
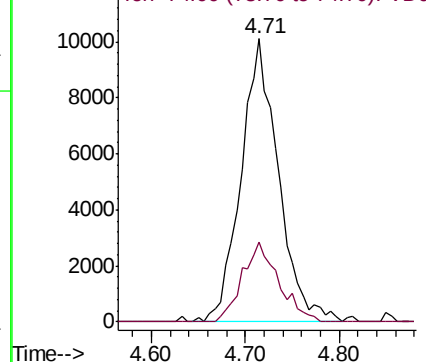
43 100

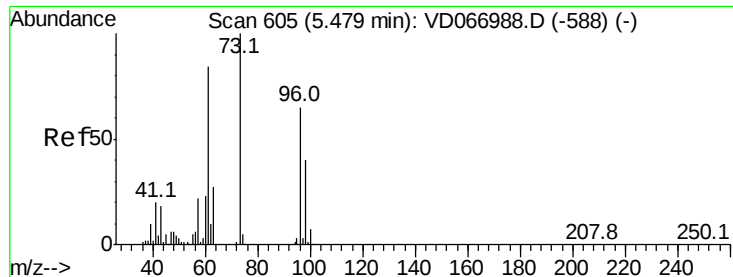
74 27.5 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



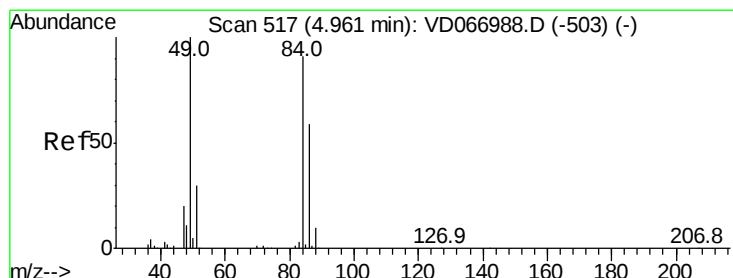
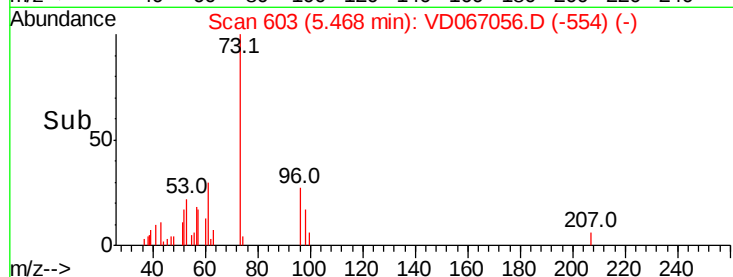
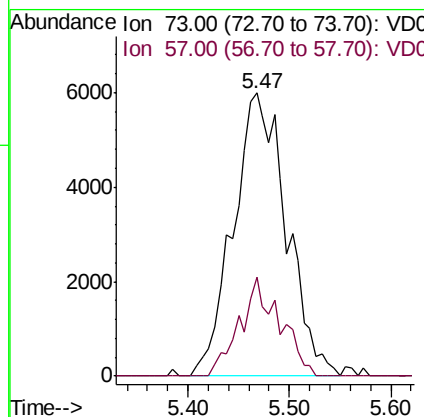
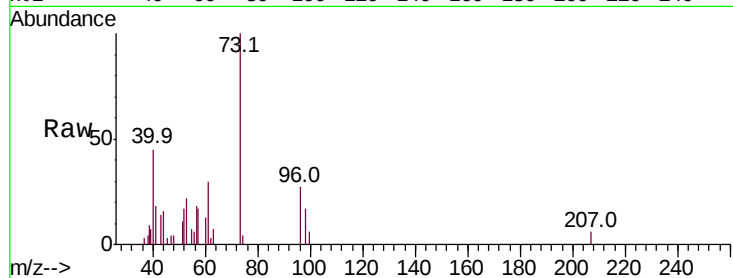


#19

Methyl tert-butyl Ether
 Concen: 182.013 ug/l
 RT: 5.47 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VD067056.D
 Acq: 03 Oct 2020 01:59

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MS

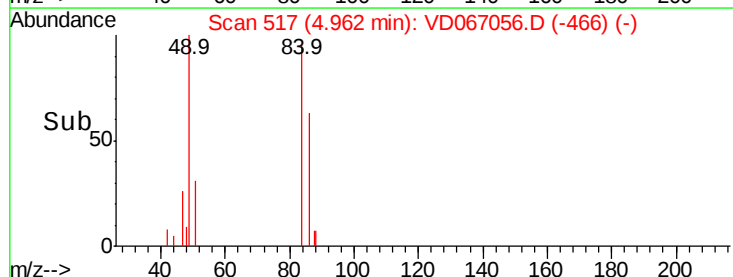
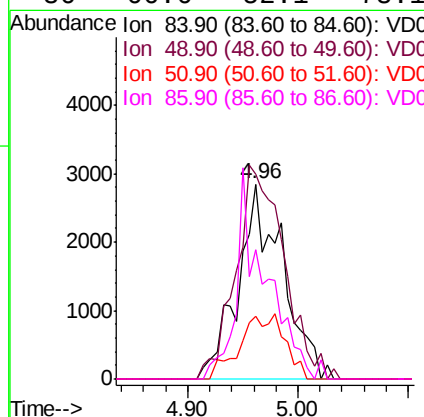
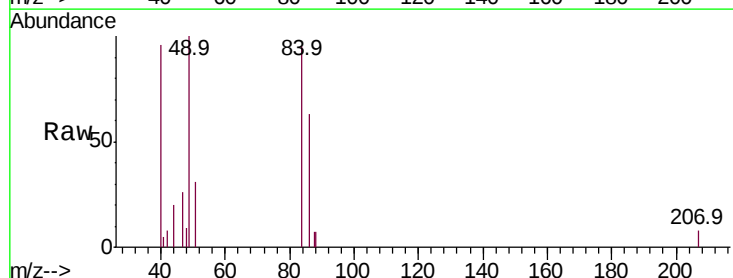
Tot Ion: 73 Resp: 21869
 Ion Ratio Lower Upper
 73 100
 57 35.2 17.4 26.0#

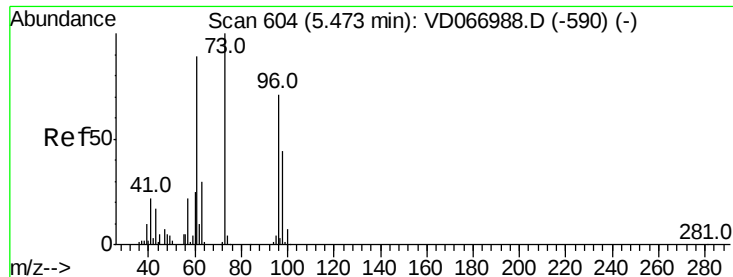


#20

Methylene Chloride
 Concen: 121.142 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD067056.D
 Acq: 03 Oct 2020 01:59

Tgt Ion: 84 Resp: 8071
 Ion Ratio Lower Upper
 84 100
 49 105.2 88.2 132.2
 51 32.2 26.6 39.8
 86 66.6 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 70.878 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MS

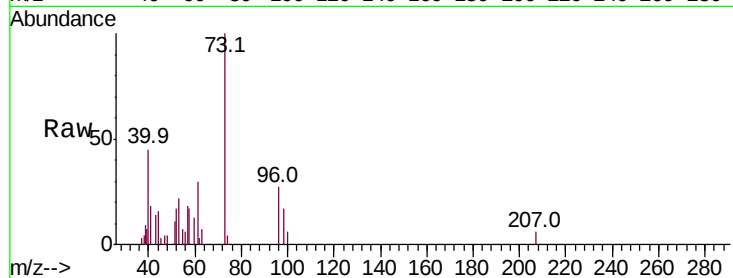
Tot Ion: 96 Resp: 5309

Ion Ratio Lower Upper

96 100

61 109.5 99.6 149.4

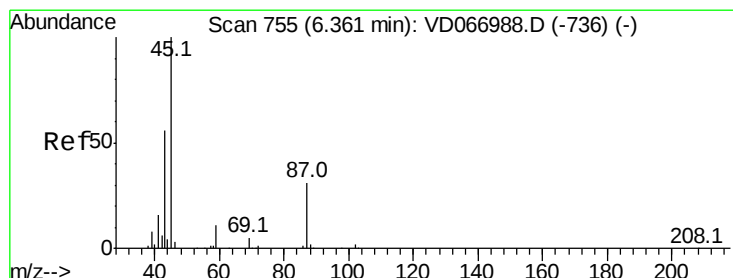
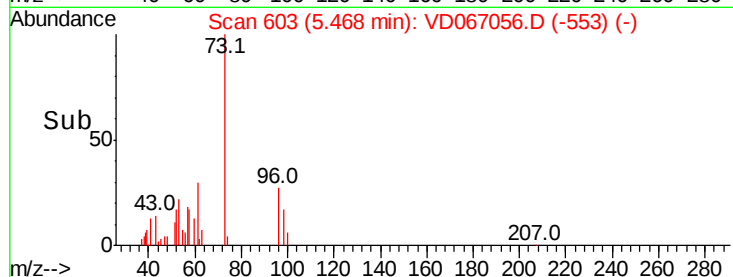
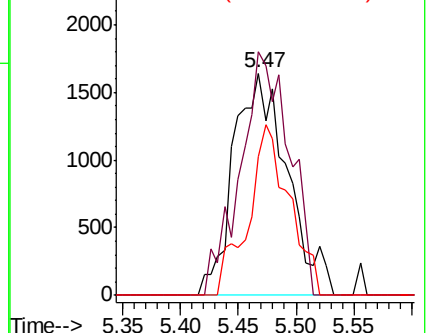
98 62.5 49.4 74.2



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: 101.462 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Tgt Ion: 45 Resp: 15838

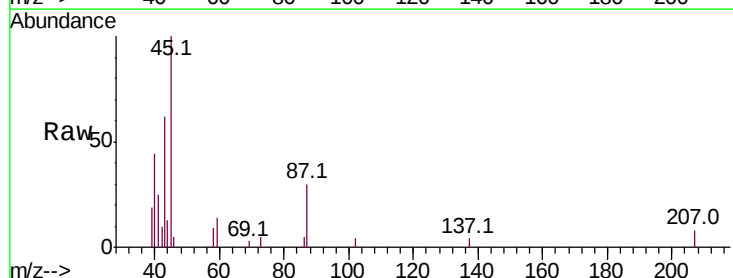
Ion Ratio Lower Upper

45 100

43 56.1 45.2 67.8

87 29.8 25.6 38.4

59 14.1 9.1 13.7#

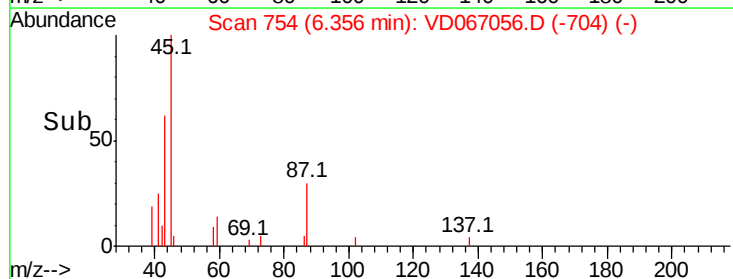
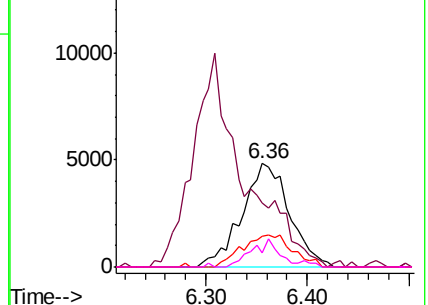


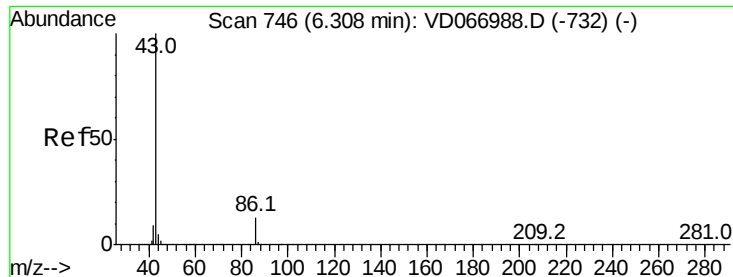
Abundance Ion 45.00 (44.70 to 45.70): VDC

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

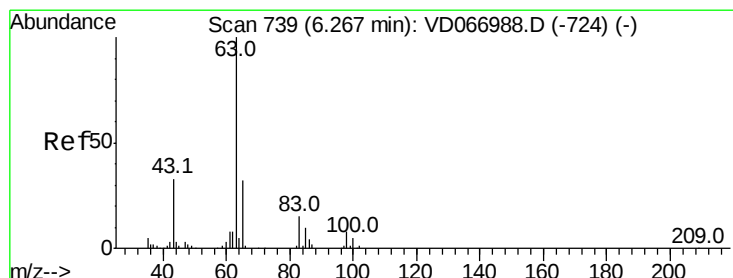
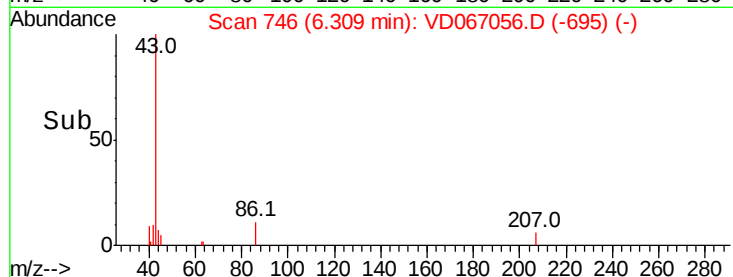
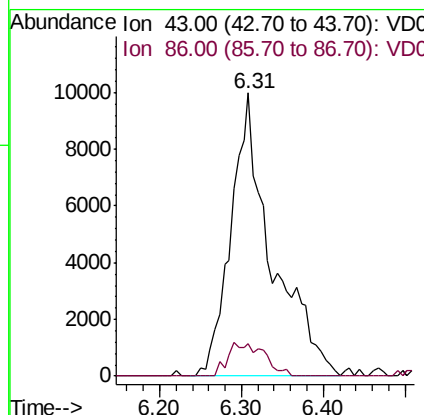
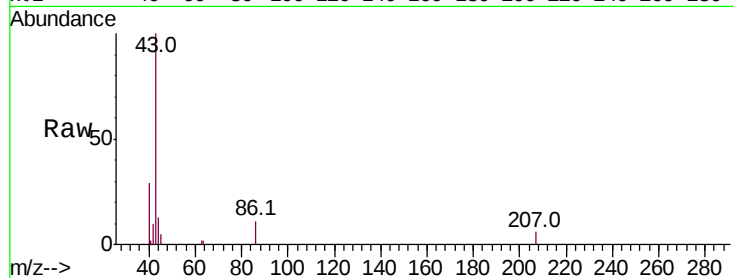




#23
 Vinyl Acetate
 Concen: 391.636 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067056.D
 Acq: 03 Oct 2020 01:59

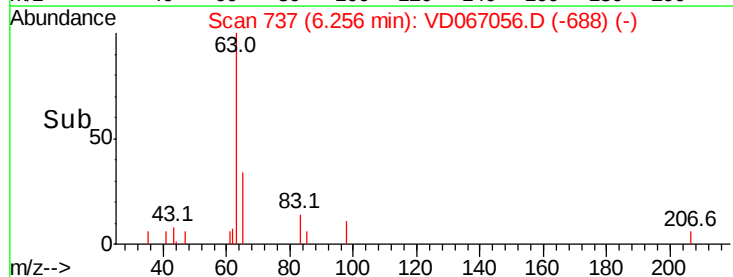
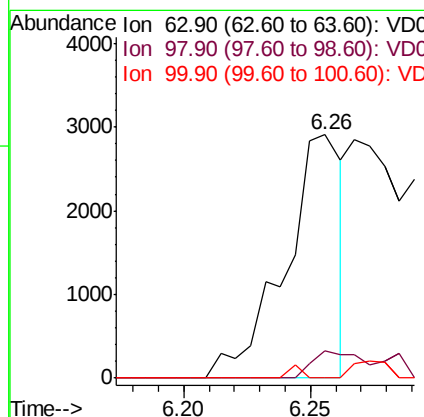
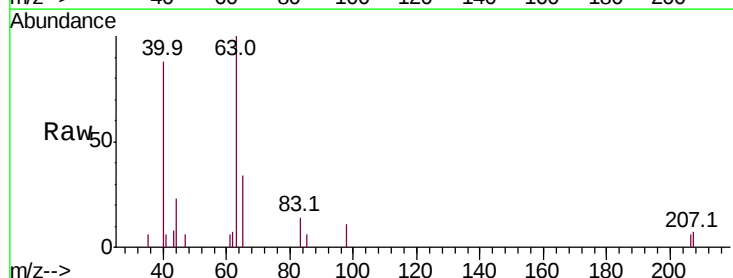
Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MS

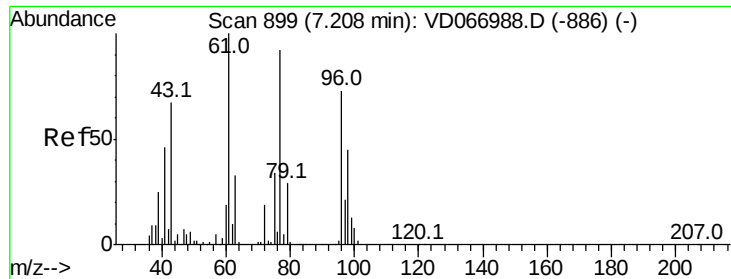
Tot Ion: 43 Resp: 34642
 Ion Ratio Lower Upper
 43 100
 86 11.4 10.2 15.2



#24
 1,1-Dichloroethane
 Concen: 38.010 ug/l
 RT: 6.26 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: VD067056.D
 Acq: 03 Oct 2020 01:59

Tgt Ion: 63 Resp: 4579
 Ion Ratio Lower Upper
 63 100
 98 11.5 4.2 12.6
 100 0.0 2.6 7.8#





#25

2-Butanone

Concen: 2495.923 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

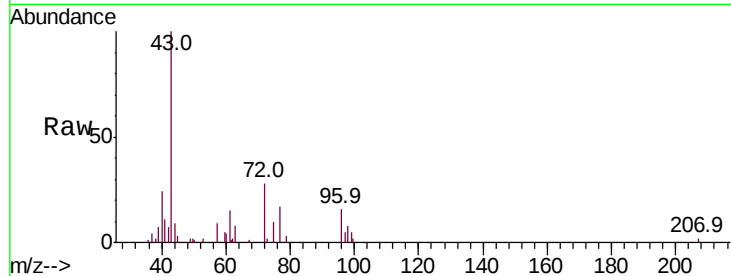
B-18(0-1)MS

Tot Ion: 43 Resp: 36327

Ion Ratio Lower Upper

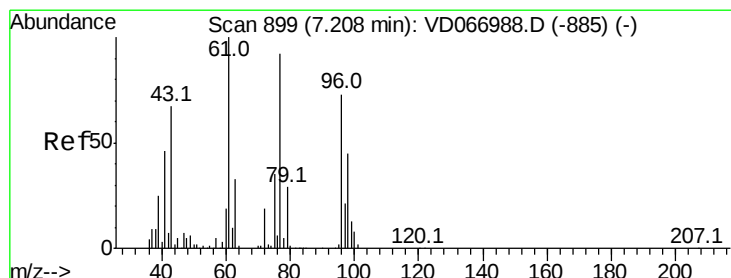
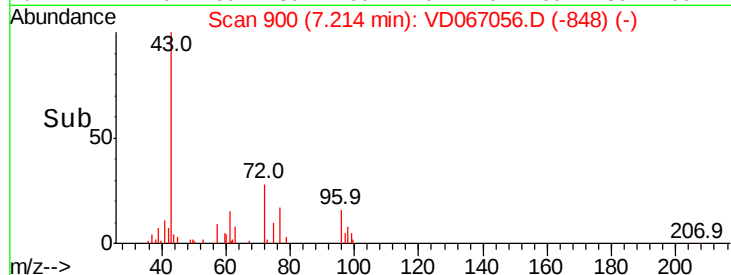
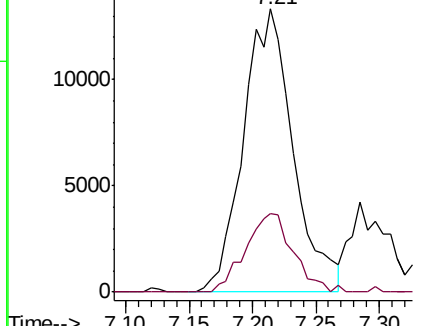
43 100

72 27.9 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 57.760 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067056.D

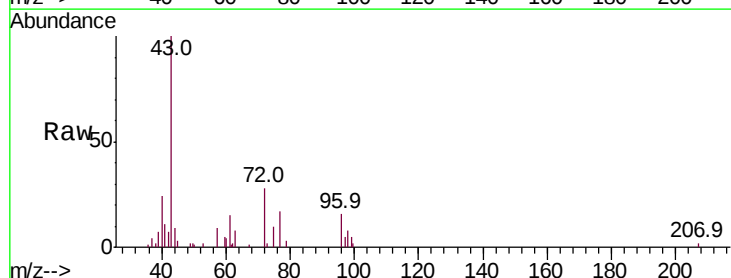
Acq: 03 Oct 2020 01:59

Tgt Ion: 77 Resp: 5884

Ion Ratio Lower Upper

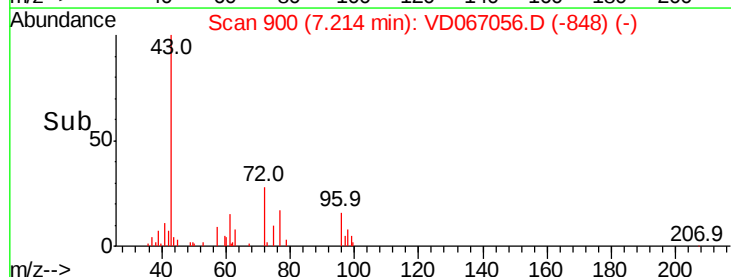
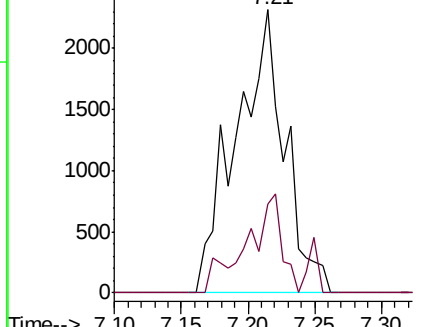
77 100

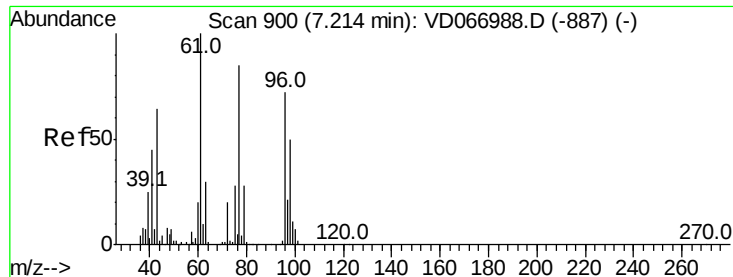
97 20.9 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



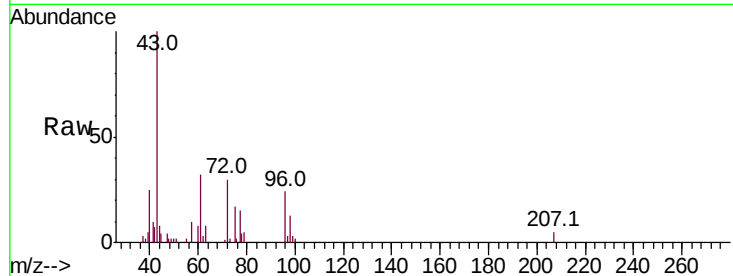


#27

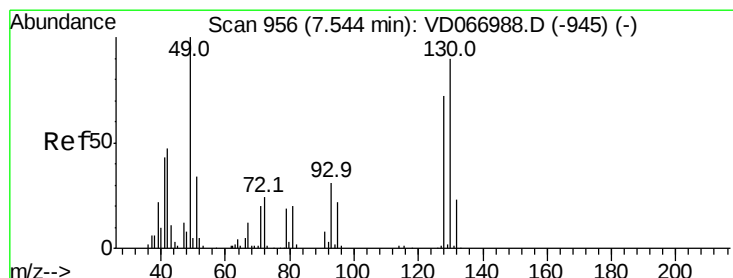
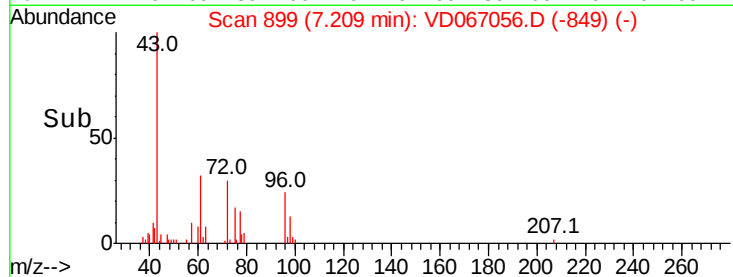
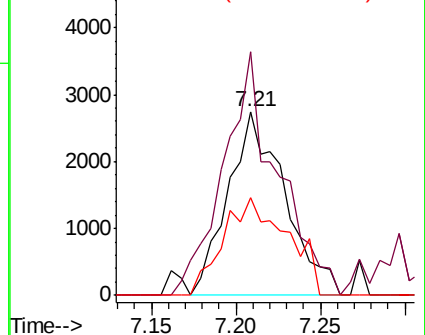
cis-1,2-Dichloroethene
 Concen: 80.154 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067056.D
 Acq: 03 Oct 2020 01:59

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MS

Tot Ion: 96 Resp: 6412
 Ion Ratio Lower Upper
 96 100
 61 126.6 0.0 269.2
 98 59.9 0.0 129.4



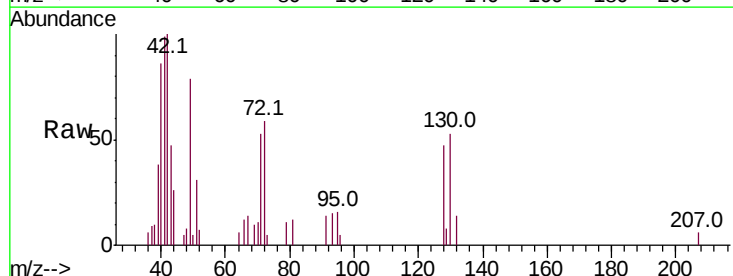
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



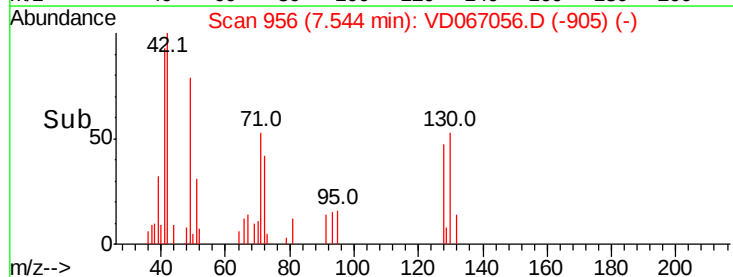
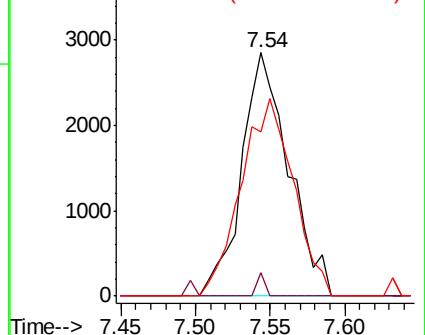
#28

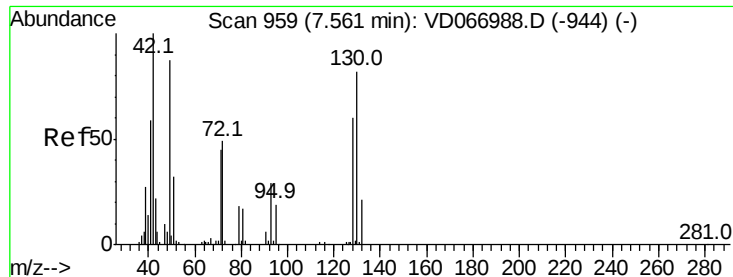
Bromochloromethane
 Concen: 134.234 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD067056.D
 Acq: 03 Oct 2020 01:59

Tgt Ion: 49 Resp: 6245
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 4.6
 130 89.8 74.1 111.1



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





#29

Tetrahydrofuran

Concen: 2077.256 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MS

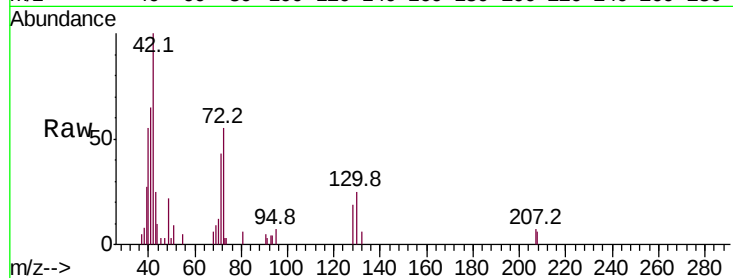
Tot Ion: 42 Resp: 17384

Ion Ratio Lower Upper

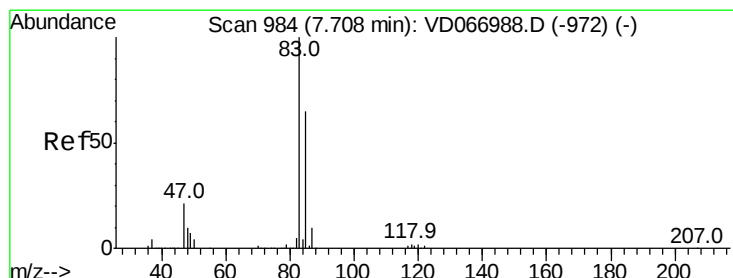
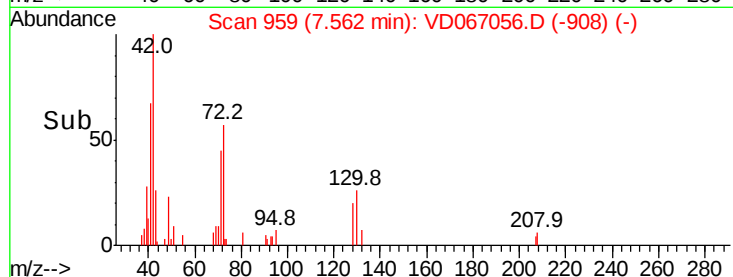
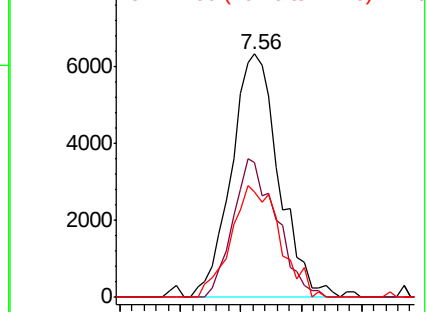
42 100

72 52.0 39.1 58.7

71 47.0 34.2 51.4



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



#30

Chloroform

Concen: 84.143 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.00 min

Lab File: VD067056.D

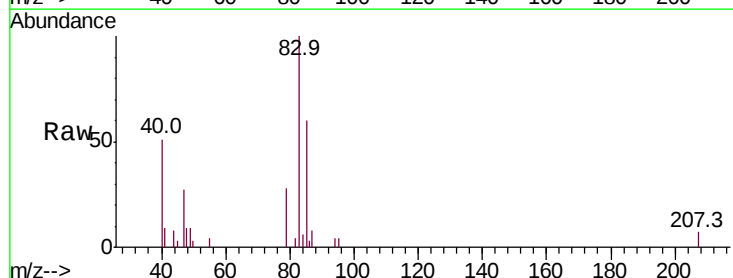
Acq: 03 Oct 2020 01:59

Tgt Ion: 83 Resp: 10996

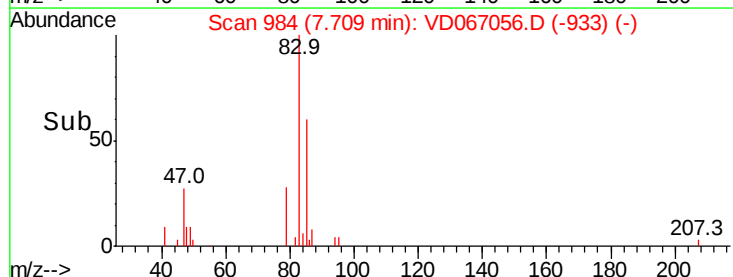
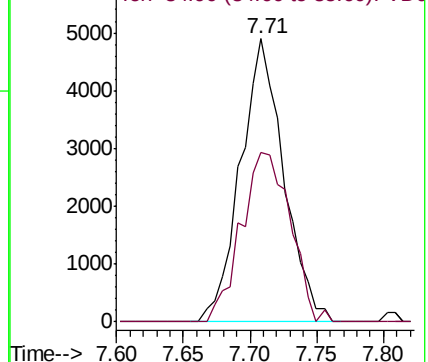
Ion Ratio Lower Upper

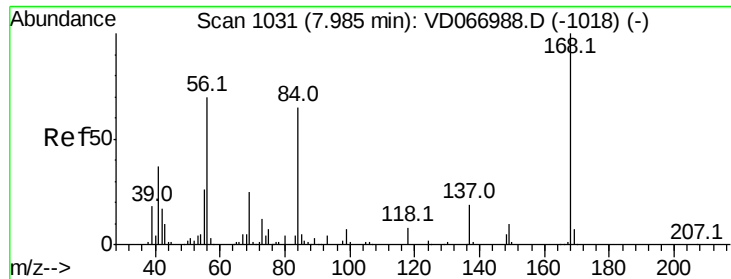
83 100

85 59.9 52.3 78.5



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

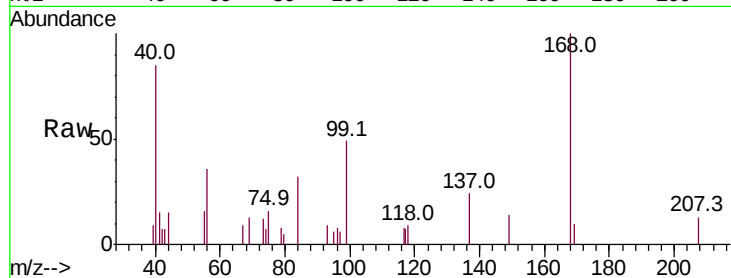




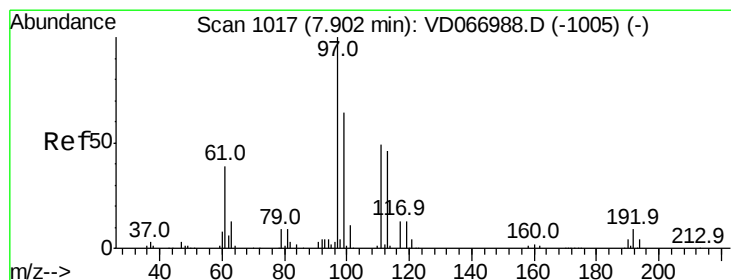
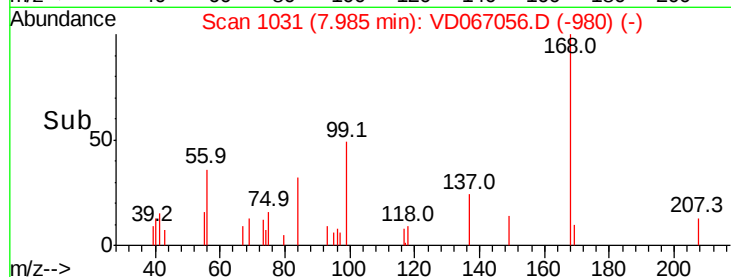
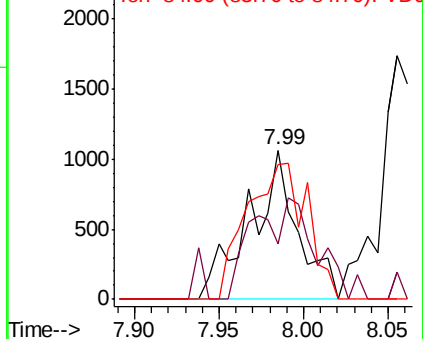
#31
Cyclohexane
Concen: 20.991 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MS

Tot Ion: 56 Resp: 2120
Ion Ratio Lower Upper
56 100
69 37.4 29.0 43.6
84 90.6 74.2 111.2

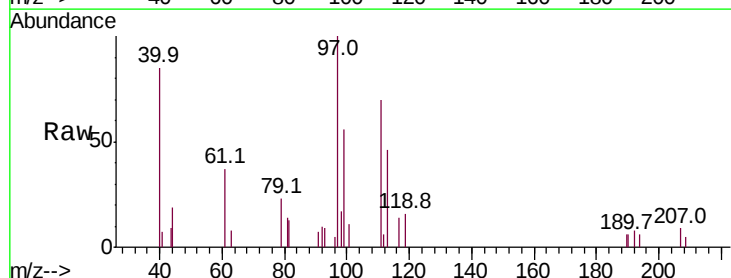


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

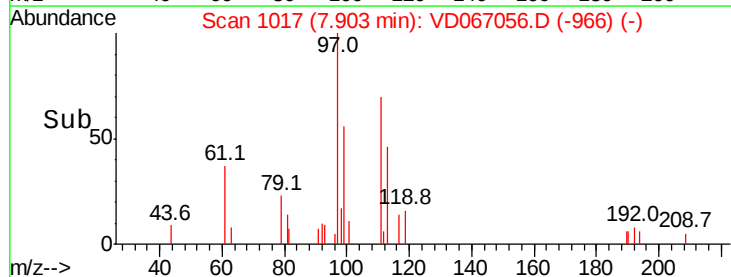
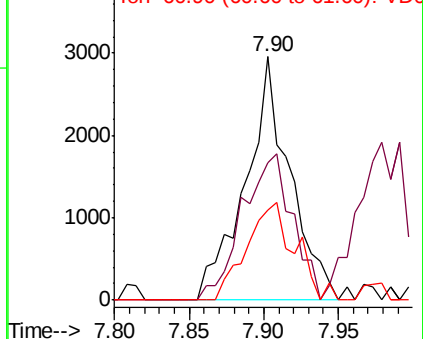


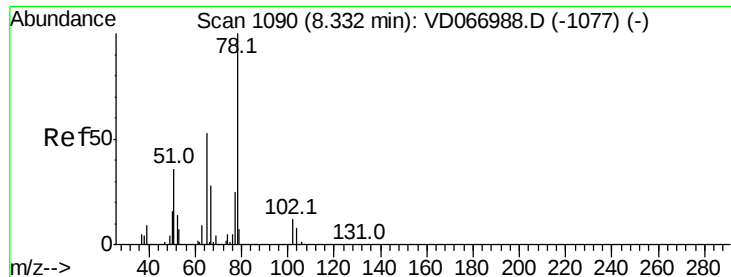
#32
1,1,1-Trichloroethane
Concen: 50.375 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Tgt Ion: 97 Resp: 6101
Ion Ratio Lower Upper
97 100
99 67.9 52.6 78.8
61 43.6 32.8 49.2



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





#33

1,2-Dichloroethane-d4

Concen: 140.044 ug/l

RT: 8.32 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

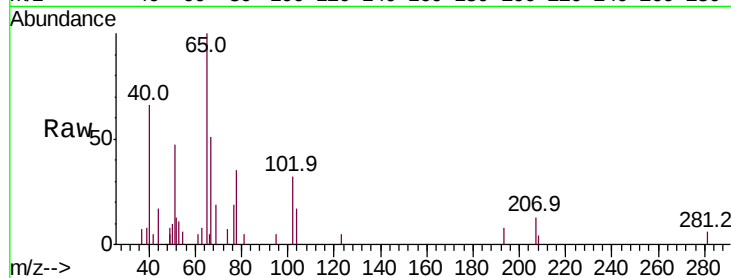
B-18(0-1)MS

Tot Ion: 65 Resp: 9418

Ion Ratio Lower Upper

65 100

67 59.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.32

4000

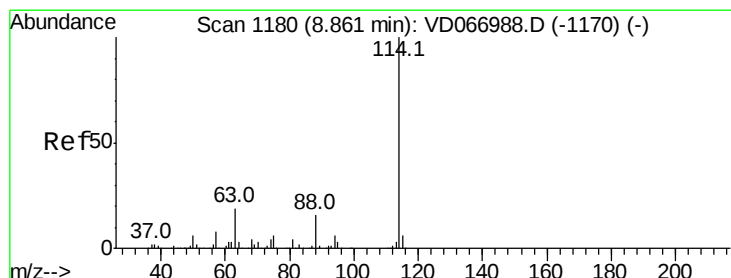
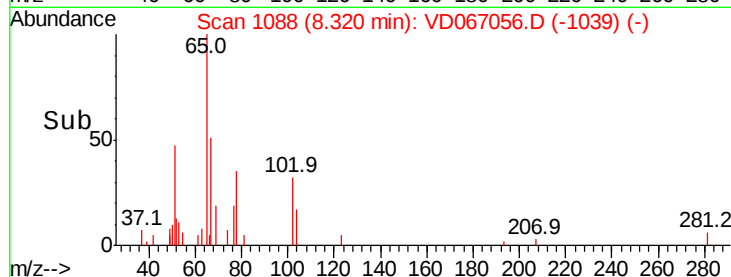
3000

2000

1000

0

Time--> 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

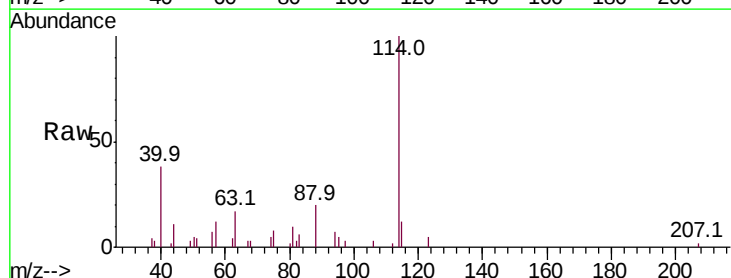
Tgt Ion: 114 Resp: 14565

Ion Ratio Lower Upper

114 100

63 16.8 0.0 38.4

88 19.7 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

8000

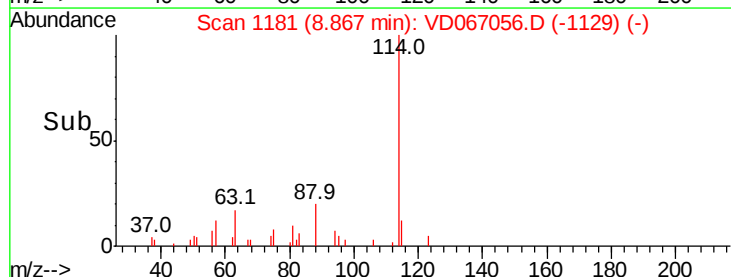
6000

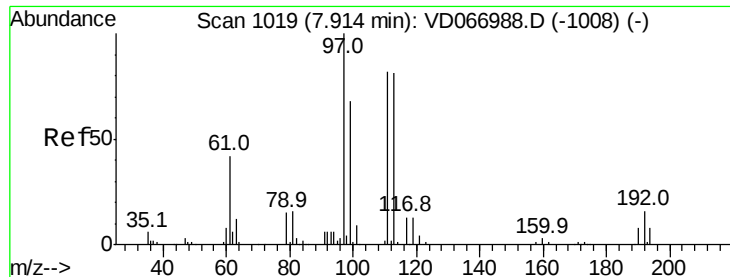
4000

2000

0

Time--> 8.80 8.85 8.90

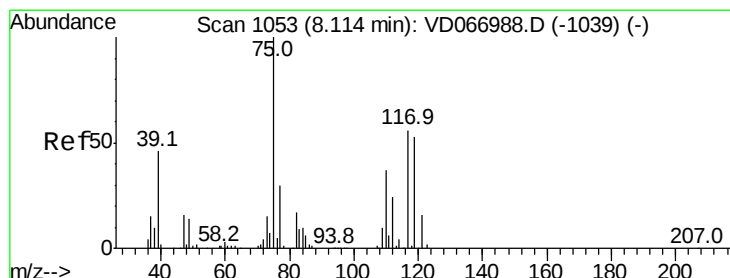
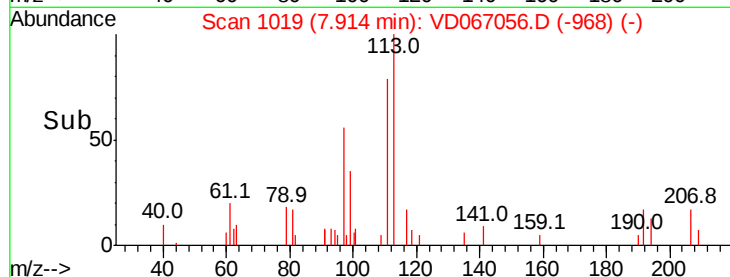
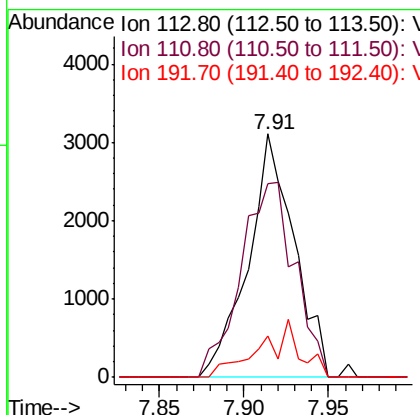
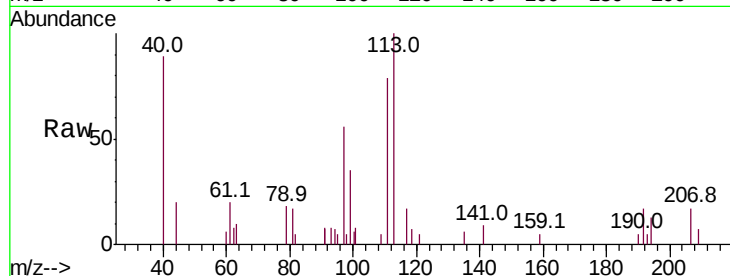




#35
 Dibromofluoromethane
 Concen: 61.759 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067056.D
 Acq: 03 Oct 2020 01:59

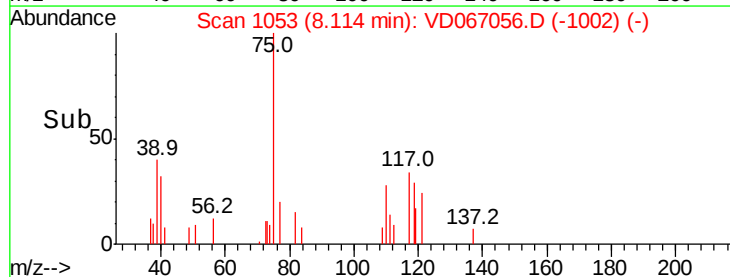
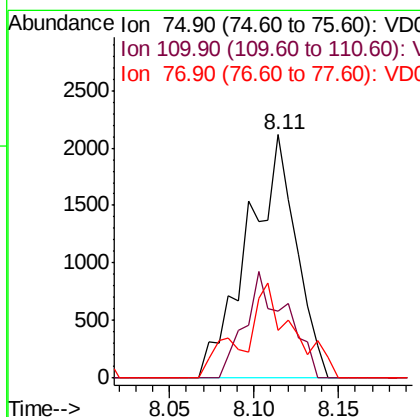
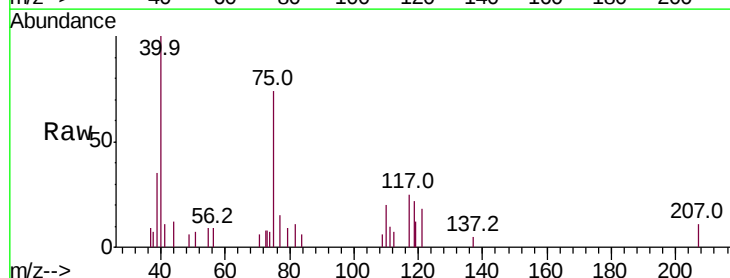
Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MS

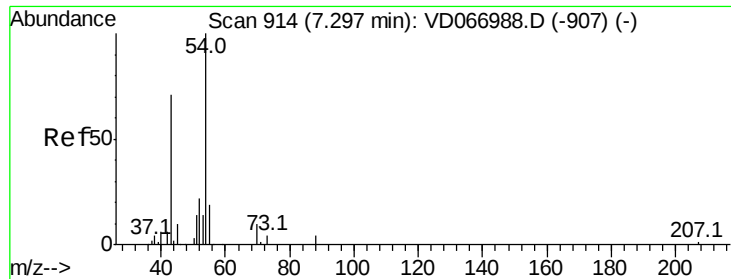
Tot Ion:113 Resp: 5889
 Ion Ratio Lower Upper
 113 100
 111 94.0 83.0 124.4
 192 11.5 15.5 23.3#



#36
 1,1-Dichloropropene
 Concen: 30.988 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067056.D
 Acq: 03 Oct 2020 01:59

Tgt Ion: 75 Resp: 4207
 Ion Ratio Lower Upper
 75 100
 110 37.7 18.4 55.0
 77 40.6 24.8 37.2#

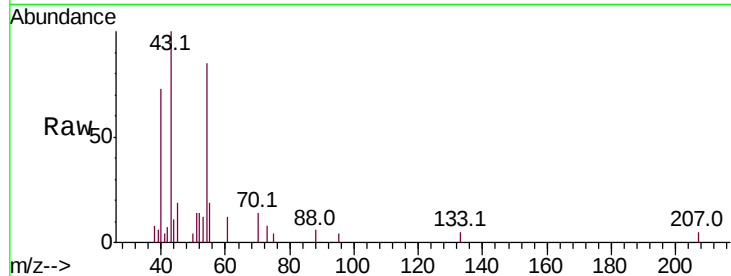




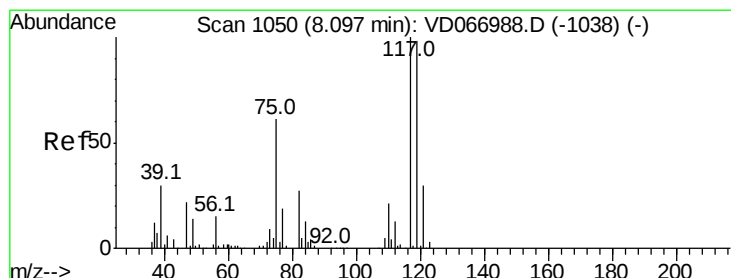
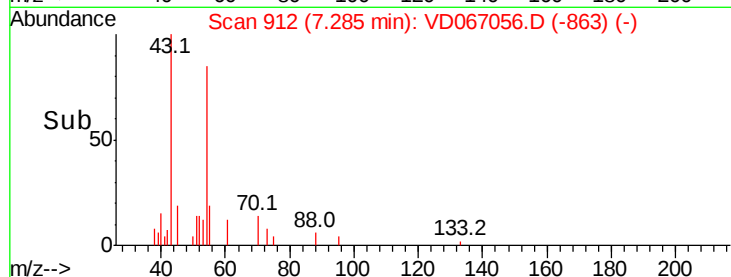
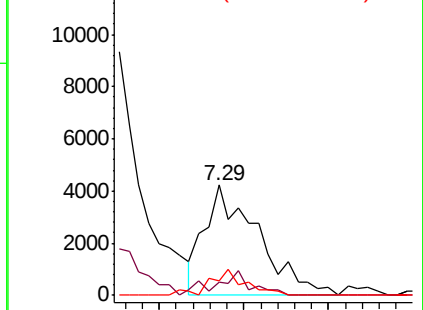
#37
Ethyl Acetate
Concen: 196.634 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MS

Tot Ion: 43 Resp: 9248
Ion Ratio Lower Upper
43 100
61 10.9 12.5 18.7#
70 15.8 9.4 14.0#

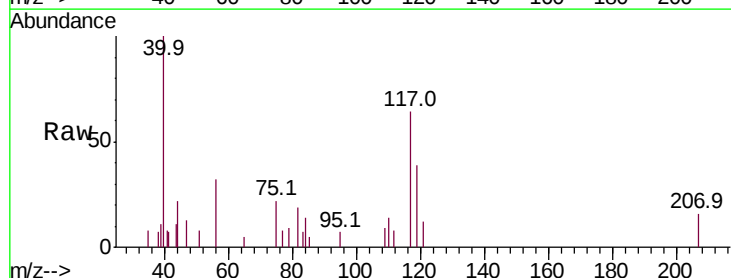


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

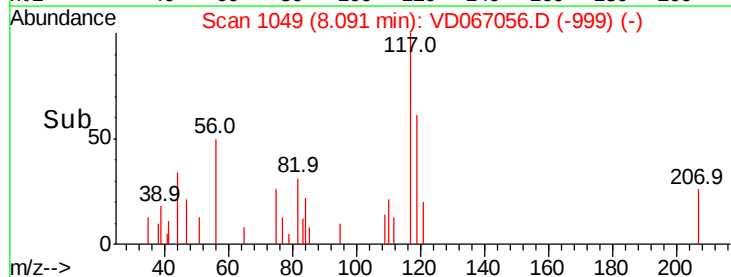
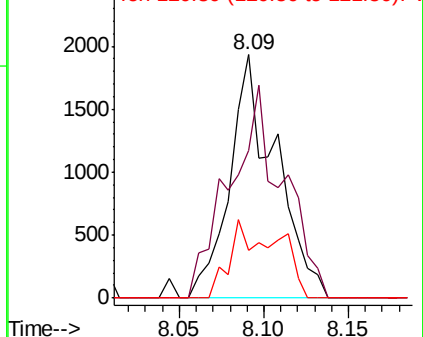


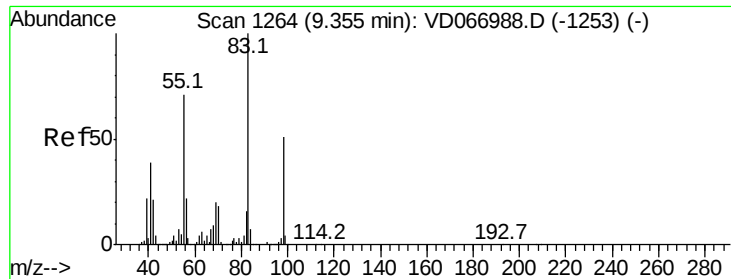
#38
Carbon Tetrachloride
Concen: 24.766 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Tgt Ion: 117 Resp: 3638
Ion Ratio Lower Upper
117 100
119 60.7 78.7 118.1#
121 19.6 24.2 36.2#



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

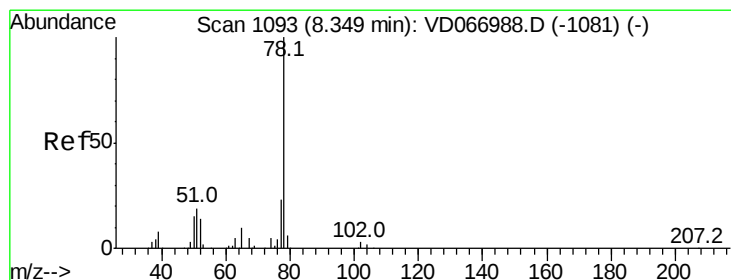
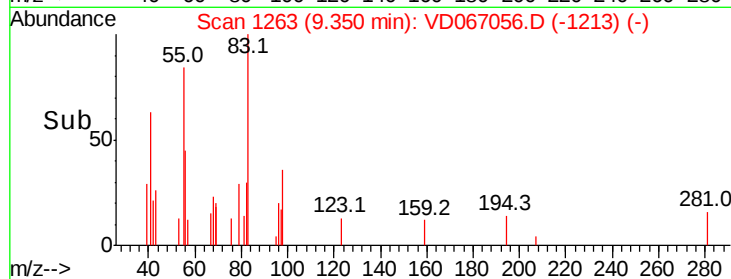
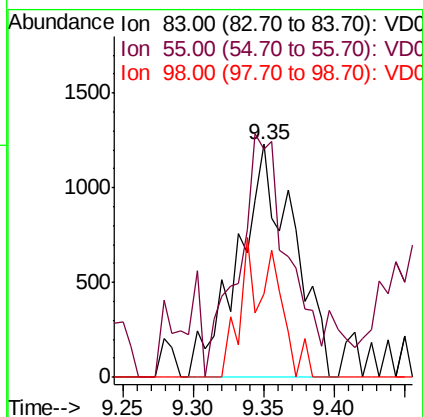
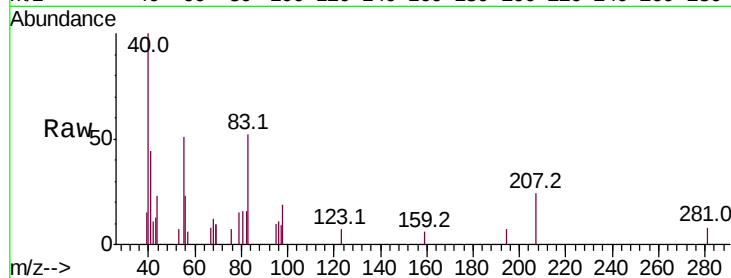




#39
Methvlcvclohexane
Concen: 23.632 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

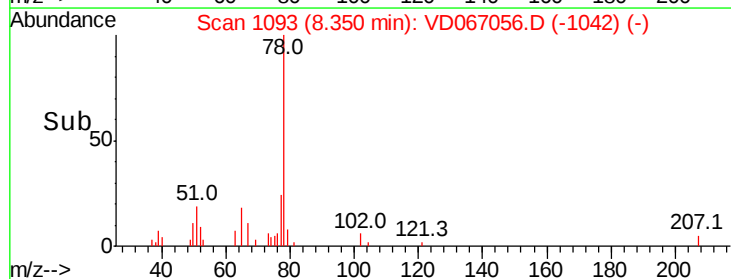
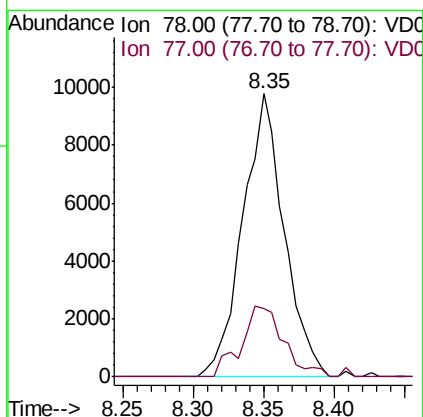
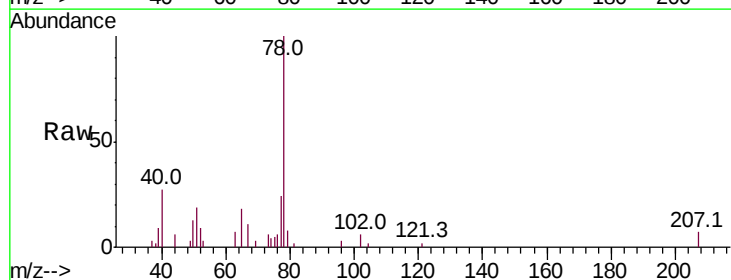
Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MS

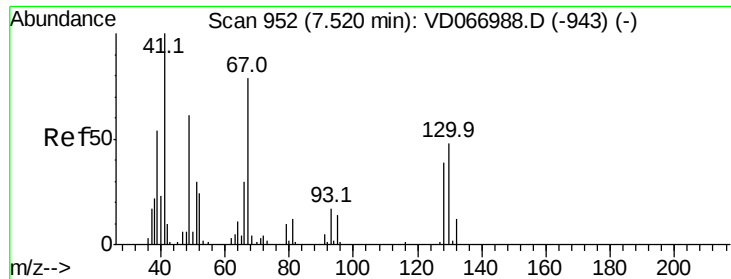
Tot Ion: 83 Resp: 3392
Ion Ratio Lower Upper
83 100
55 79.1 57.1 85.7
98 35.8 40.9 61.3#



#40
Benzene
Concen: 53.075 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Tgt Ion: 78 Resp: 20014
Ion Ratio Lower Upper
78 100
77 24.0 18.4 27.6

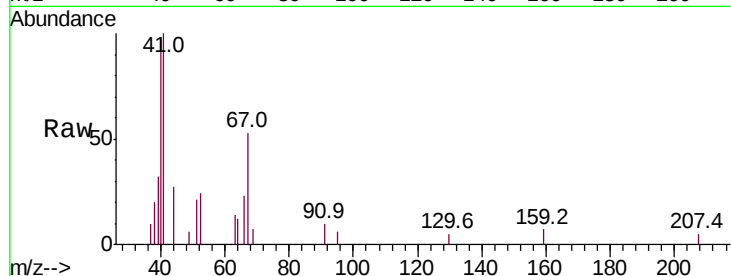




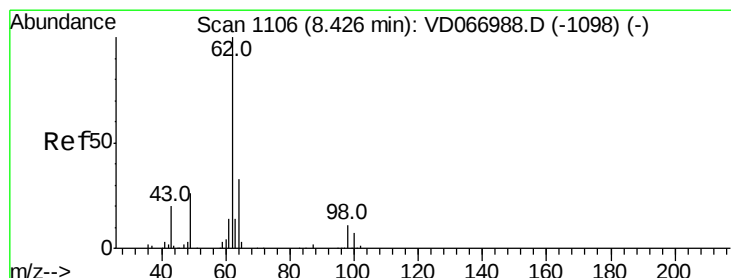
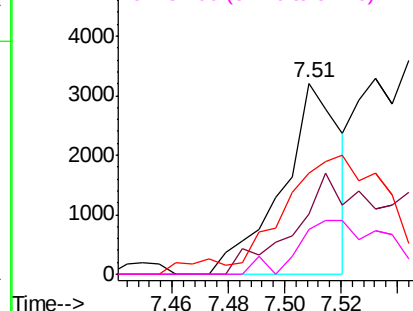
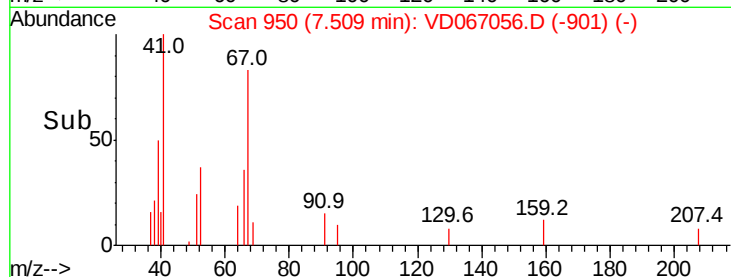
#41
Methacrylonitrile
Concen: 180.254 ug/l
RT: 7.51 min Scan# 950
Delta R.T. -0.01 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MS

Tot Ion: 41 Resp: 4580
Ion Ratio Lower Upper
41 100
39 64.0 0.0 0.0#
67 119.4 0.0 0.0#
52 45.8 0.0 0.0#

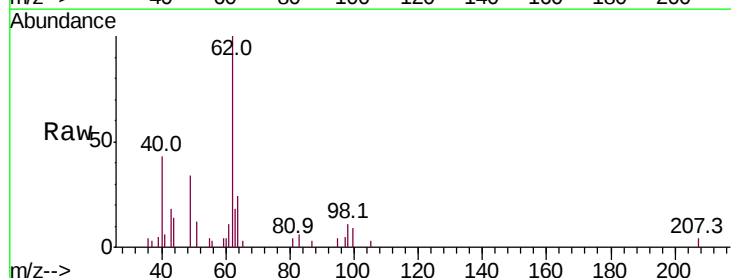


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

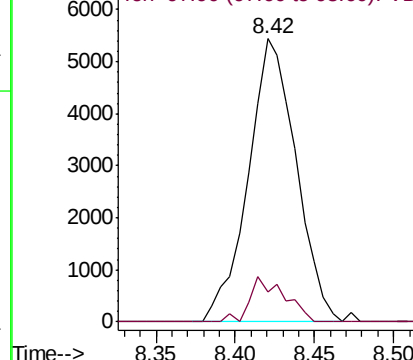
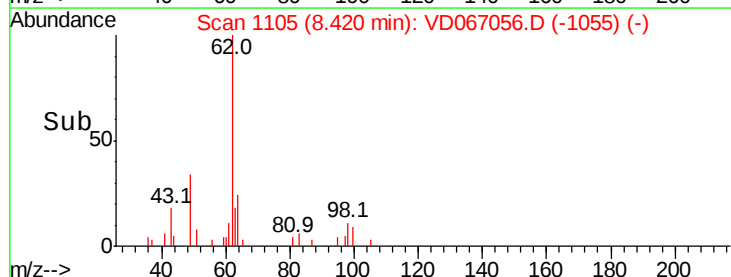


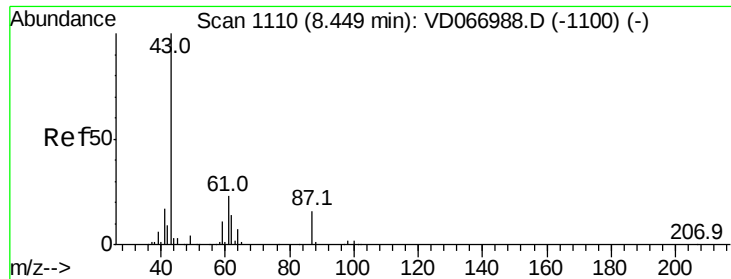
#42
1,2-Dichloroethane
Concen: 108.589 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Tgt Ion: 62 Resp: 11442
Ion Ratio Lower Upper
62 100
98 11.5 0.0 22.6



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





#43

Isopropyl Acetate

Concen: 177.119 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MS

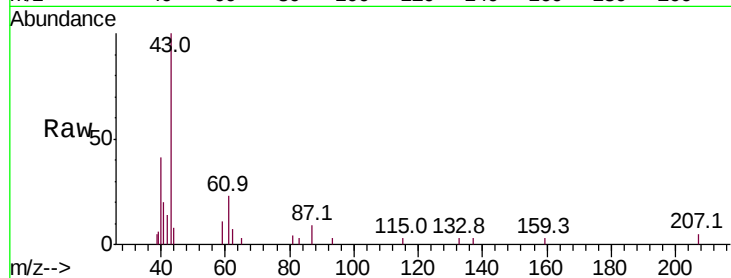
Tot Ion: 43 Resp: 15346

Ion Ratio Lower Upper

43 100

61 31.3 27.1 40.7

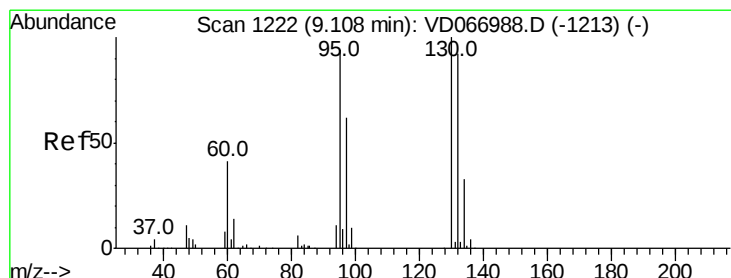
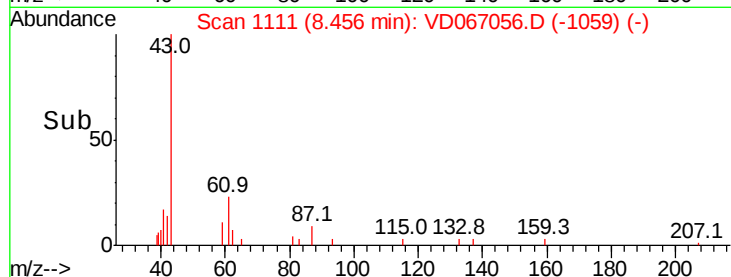
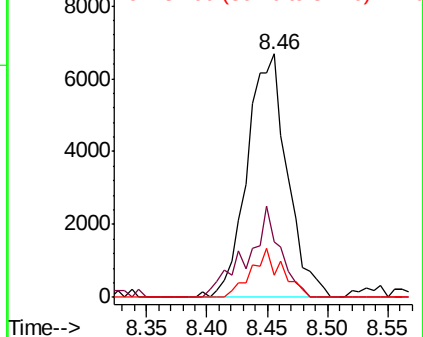
87 15.6 12.3 18.5



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: 46.269 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD067056.D

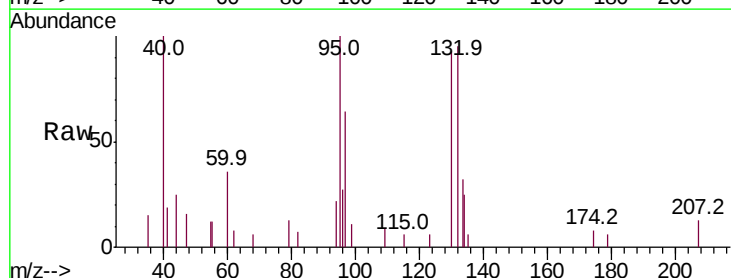
Acq: 03 Oct 2020 01:59

Tgt Ion:130 Resp: 5210

Ion Ratio Lower Upper

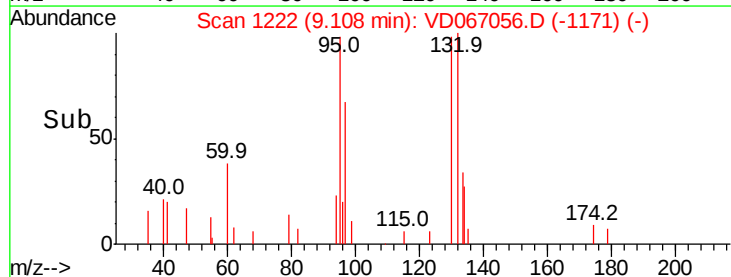
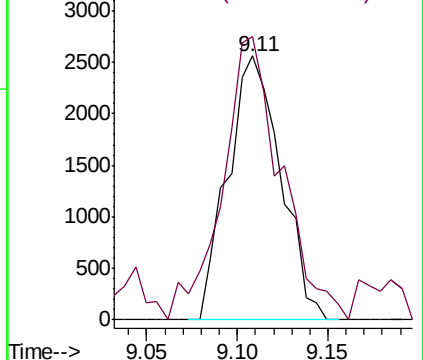
130 100

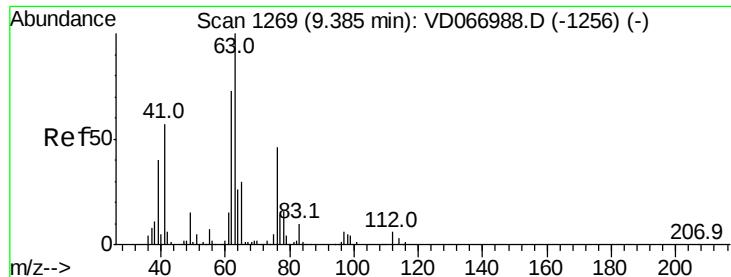
95 101.1 0.0 187.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 71.421 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

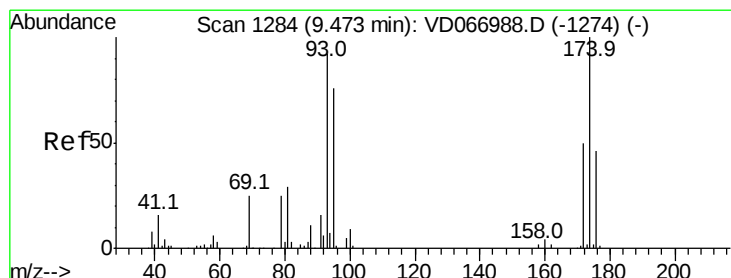
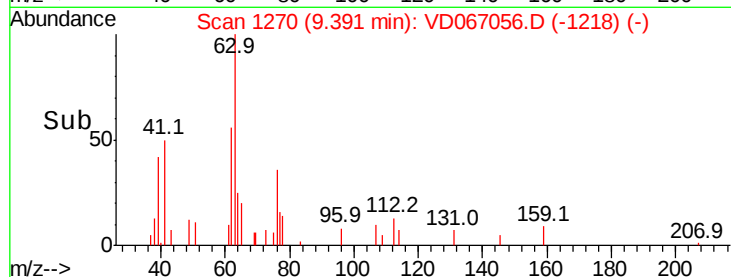
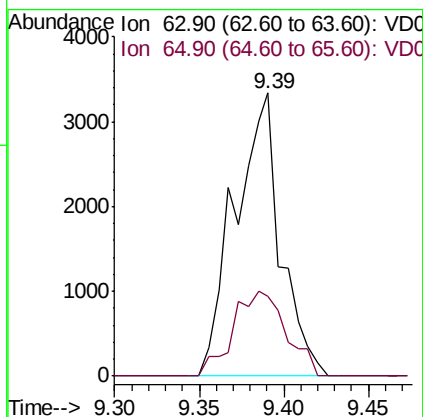
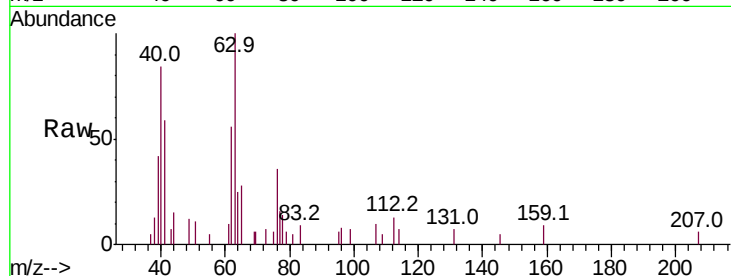
B-18(0-1)MS

Tot Ion: 63 Resp: 6328

Ion Ratio Lower Upper

63 100

65 28.0 23.7 35.5



#46

Dibromomethane

Concen: 138.875 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

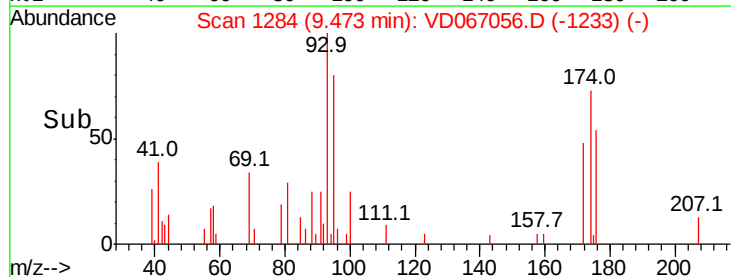
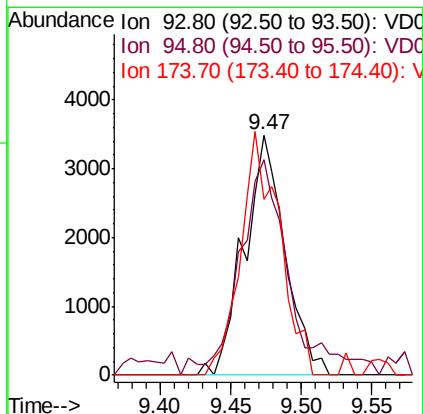
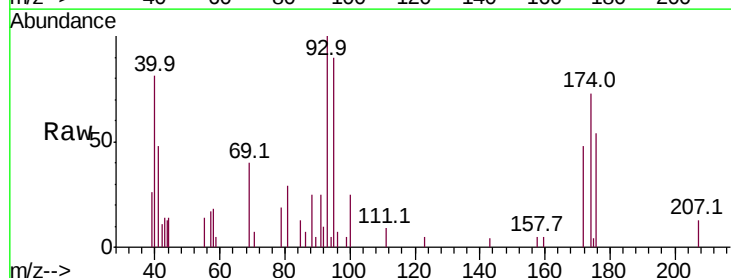
Tgt Ion: 93 Resp: 7072

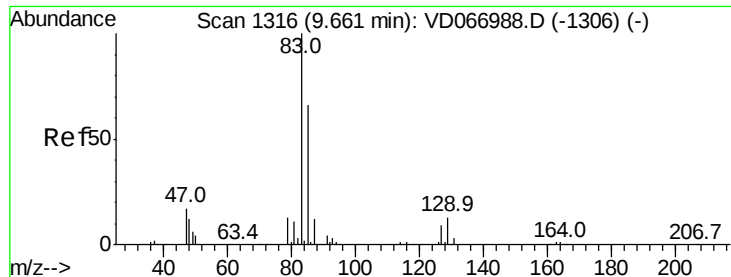
Ion Ratio Lower Upper

93 100

95 109.1 64.7 97.1#

174 96.1 81.4 122.2





#47

Bromodichloromethane

Concen: 80.606 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MS

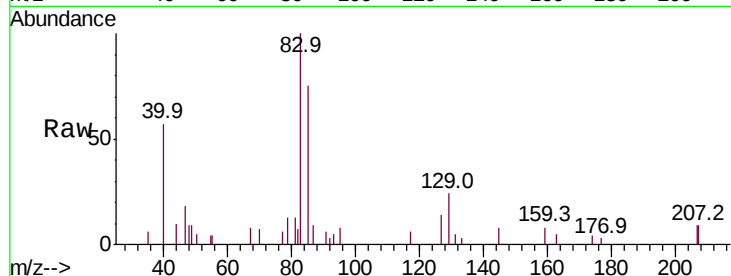
Tot Ion: 83 Resp: 10670

Ion Ratio Lower Upper

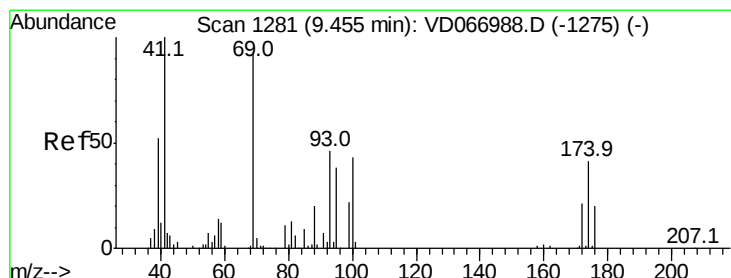
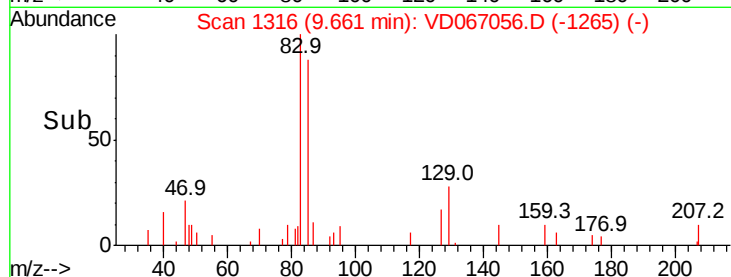
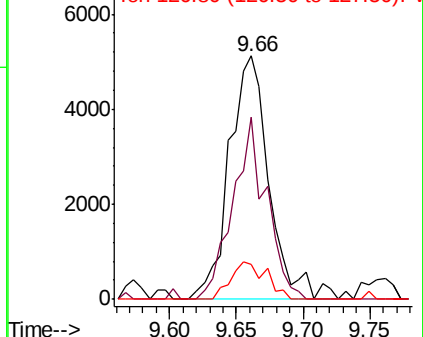
83 100

85 74.7 52.9 79.3

127 14.2 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: 220.487 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

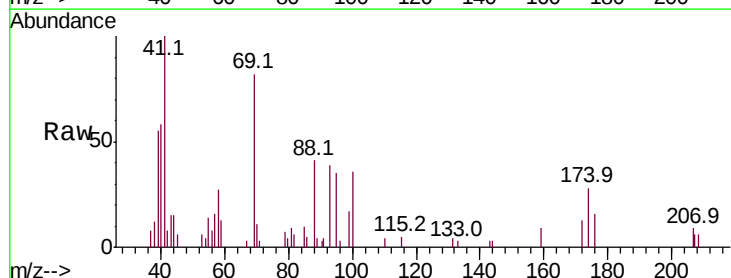
Tgt Ion: 41 Resp: 9787

Ion Ratio Lower Upper

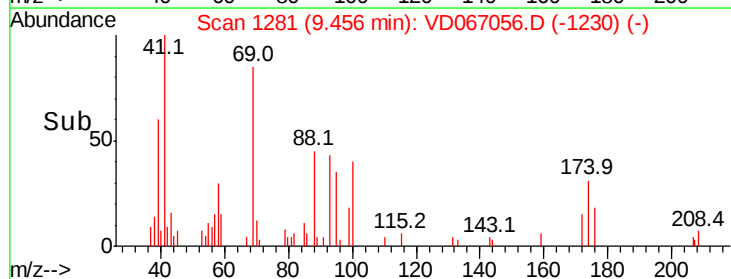
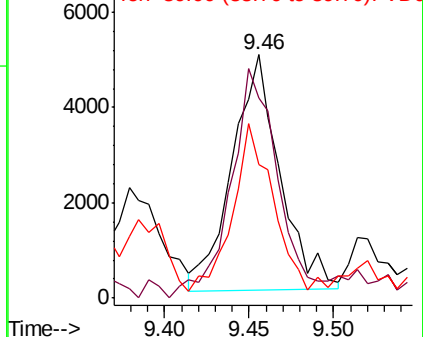
41 100

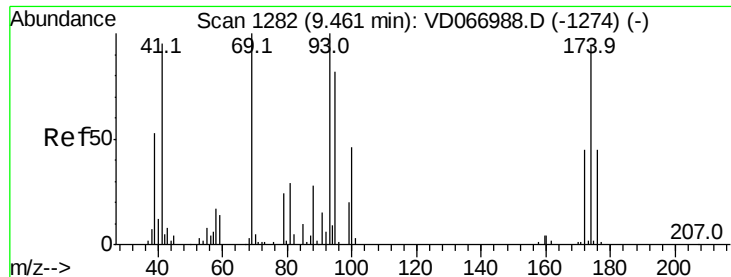
69 95.0 68.5 102.7

39 64.7 40.2 60.2#



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

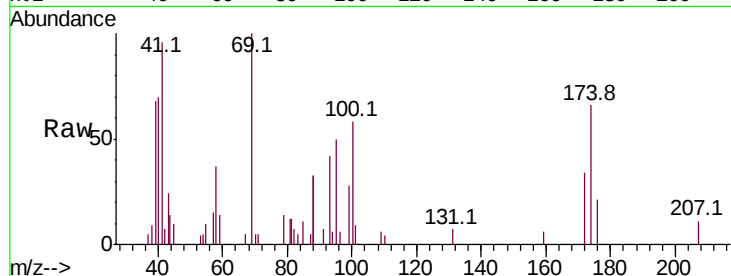




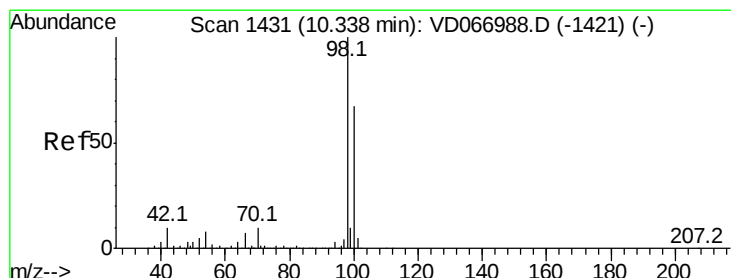
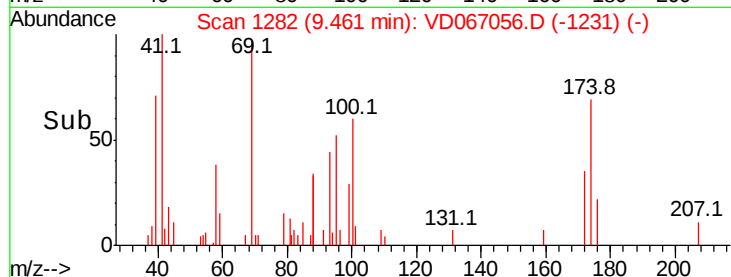
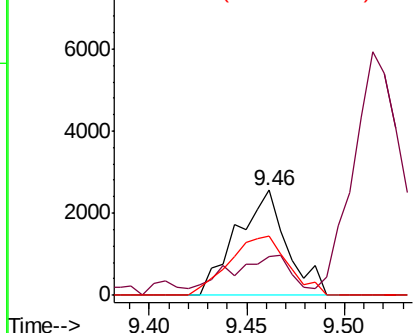
#49
1,4-Dioxane
Concen: 8641.934 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MS

Tot Ion: 88 Resp: 4593
Ion Ratio Lower Upper
88 100
43 39.6 25.6 38.4#
58 65.5 53.5 80.3

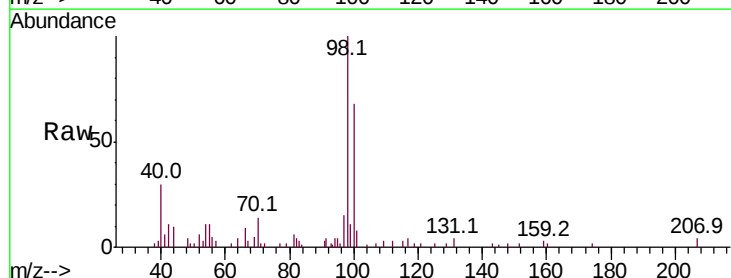


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

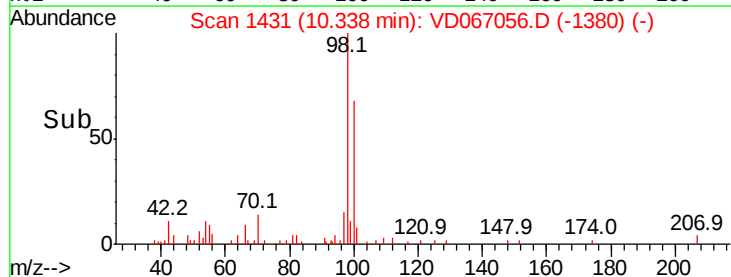
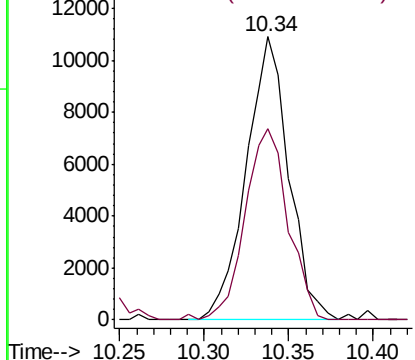


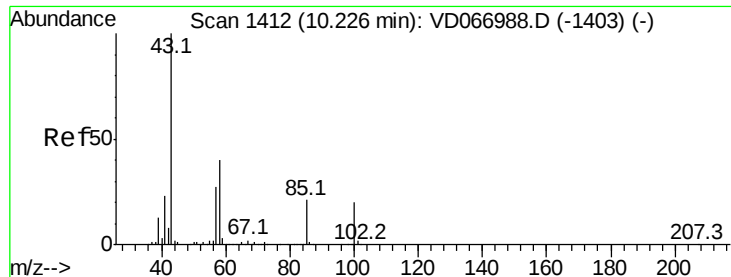
#50
Toluene-d8
Concen: 55.040 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Tgt Ion: 98 Resp: 19124
Ion Ratio Lower Upper
98 100
100 68.4 52.8 79.2



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: 1463.768 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

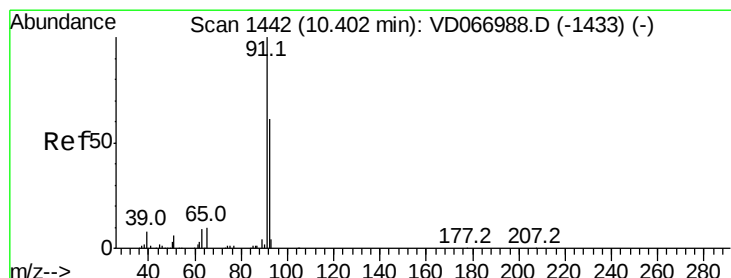
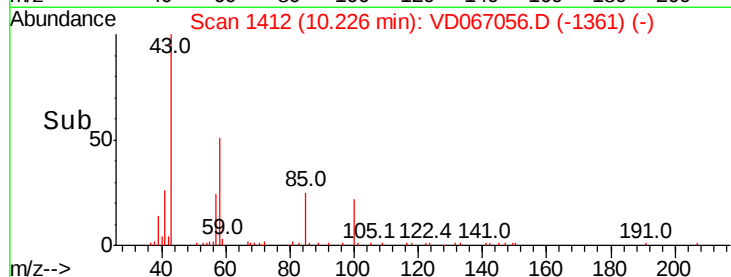
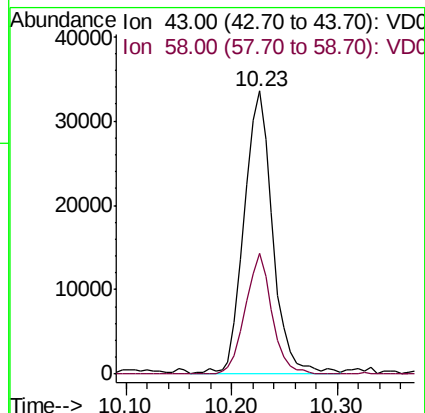
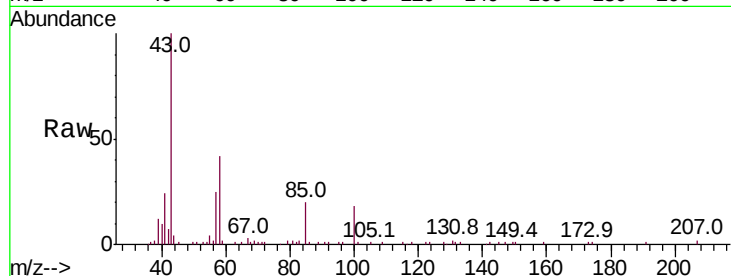
B-18(0-1)MS

Tot Ion: 43 Resp: 63171

Ion Ratio Lower Upper

43 100

58 39.4 33.8 50.8



#52

Toluene

Concen: 47.211 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD067056.D

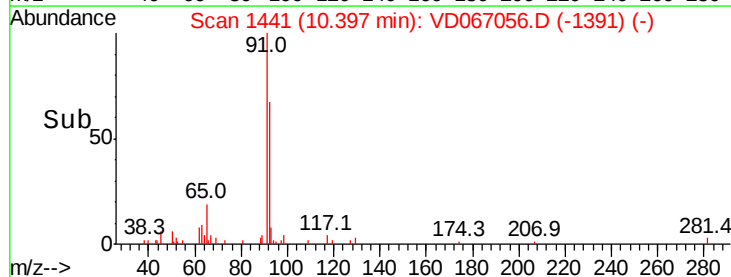
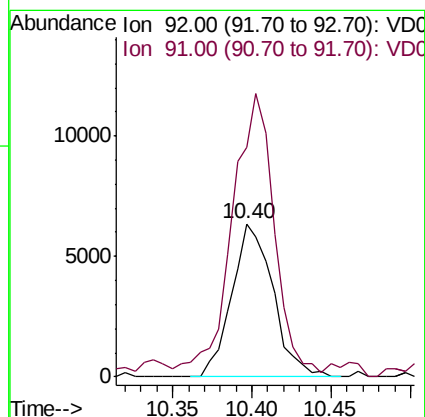
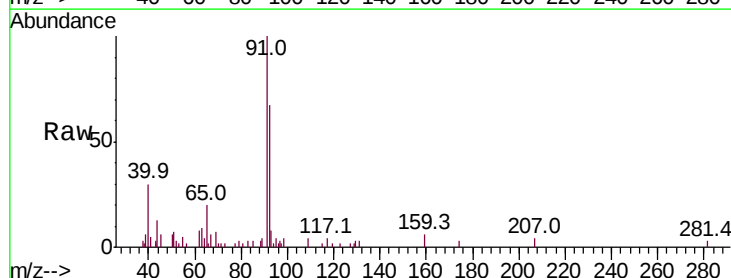
Acq: 03 Oct 2020 01:59

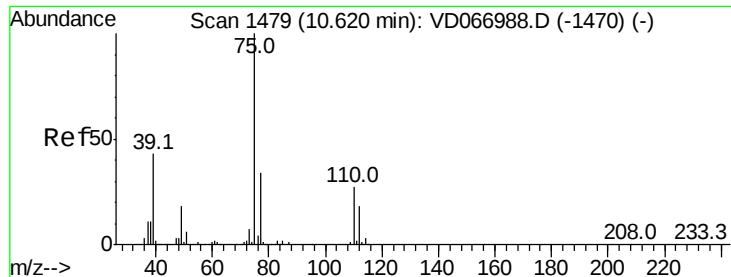
Tgt Ion: 92 Resp: 11468

Ion Ratio Lower Upper

92 100

91 182.6 135.1 202.7





#53

t-1,3-Dichloropropene

Concen: 91.525 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

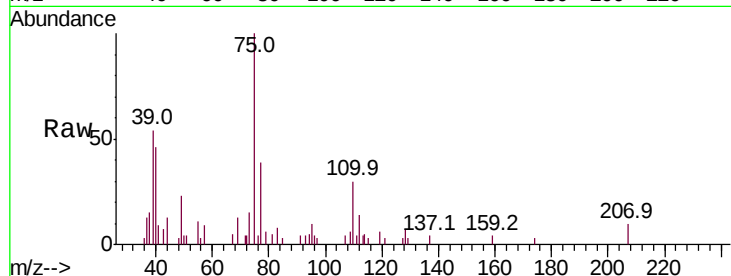
B-18(0-1)MS

Tot Ion: 75 Resp: 10828

Ion Ratio Lower Upper

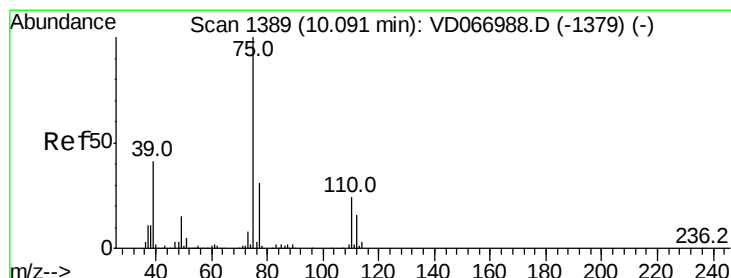
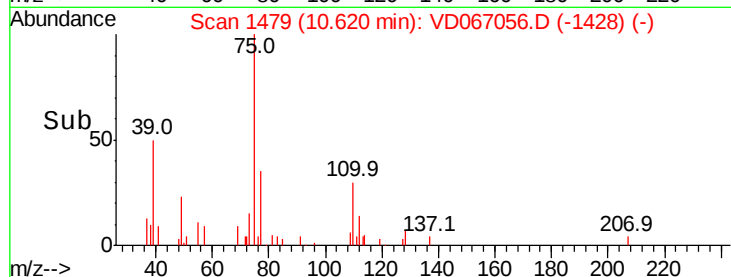
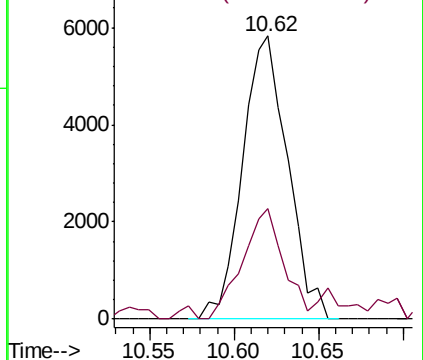
75 100

77 34.4 27.1 40.7



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: 76.330 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

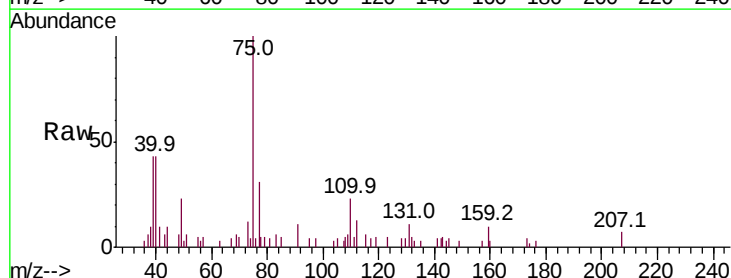
Tgt Ion: 75 Resp: 11027

Ion Ratio Lower Upper

75 100

77 31.4 24.6 37.0

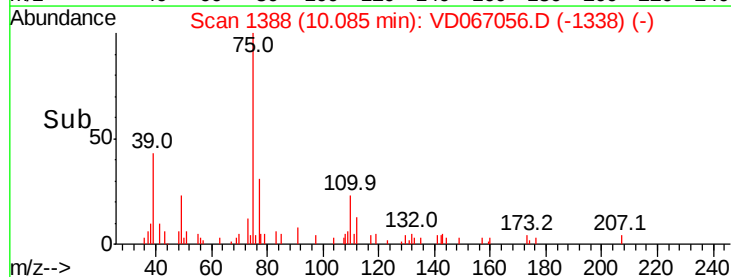
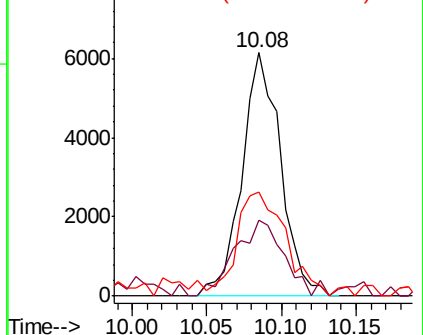
39 39.5 33.0 49.4

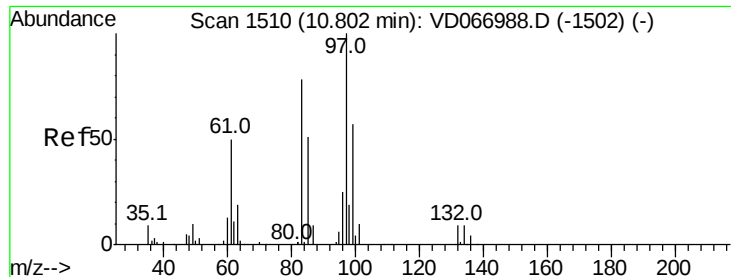


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 144.268 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MS

Tot Ion: 97 Resp: 10214

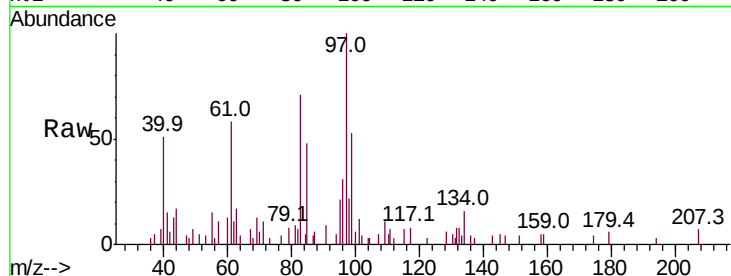
Ion Ratio Lower Upper

97 100

83 67.1 62.4 93.6

85 45.5 41.0 61.4

99 55.2 45.9 68.9

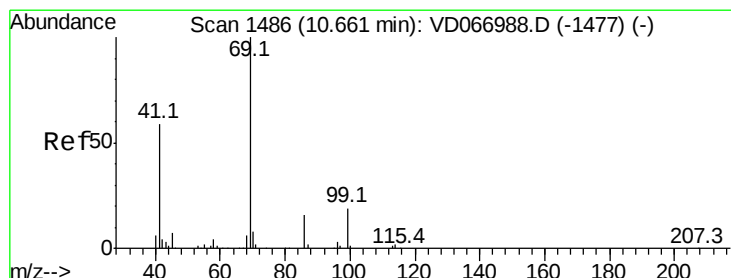
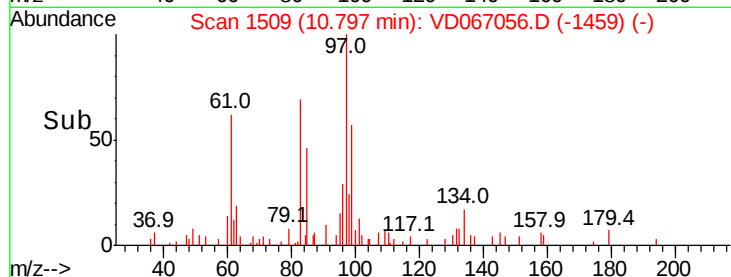
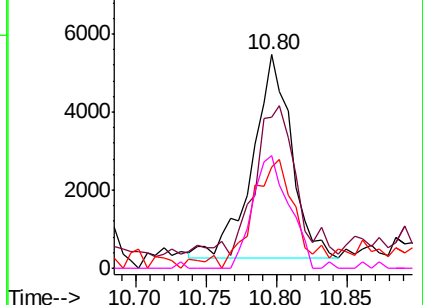


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 161.063 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

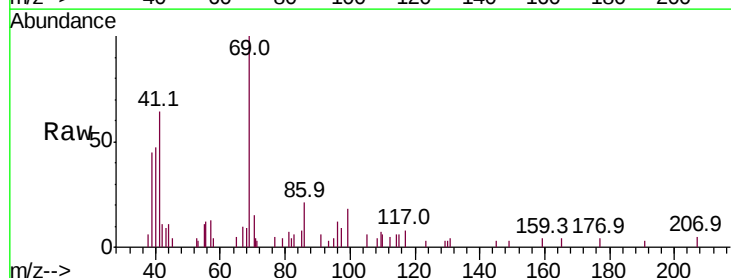
Tgt Ion: 69 Resp: 11773

Ion Ratio Lower Upper

69 100

41 51.6 46.4 69.6

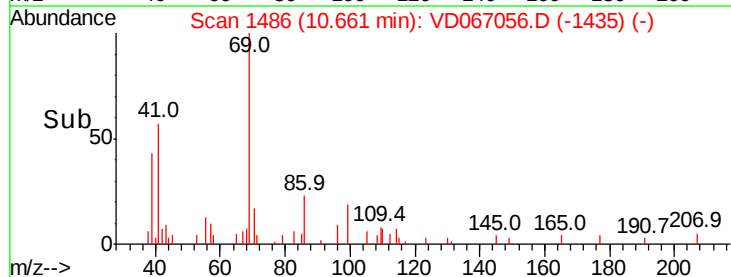
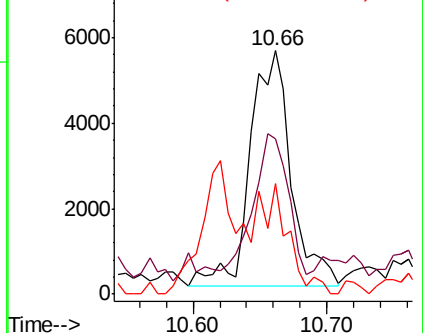
39 32.3 23.8 35.6

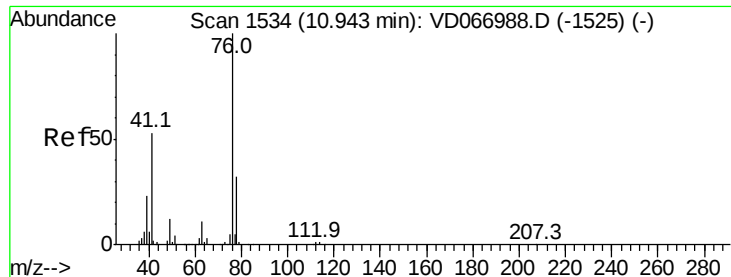


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 124.808 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

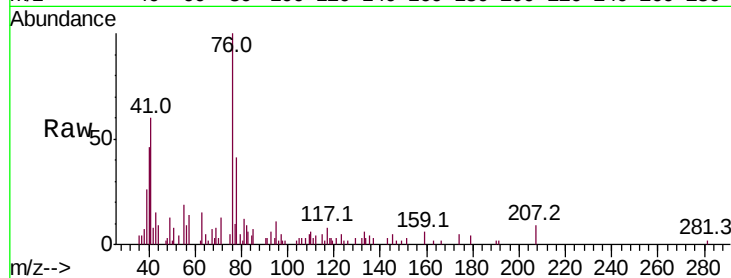
B-18(0-1)MS

Tot Ion: 76 Resp: 14329

Ion Ratio Lower Upper

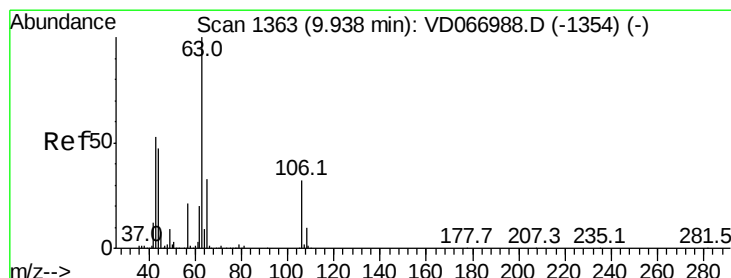
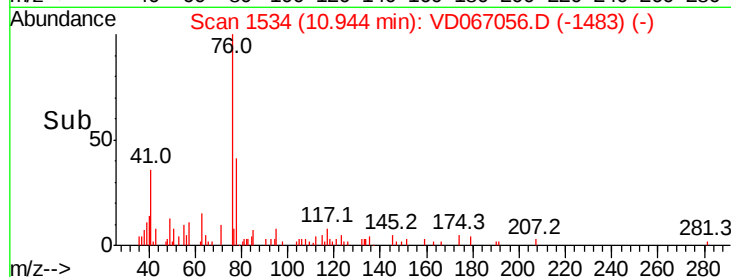
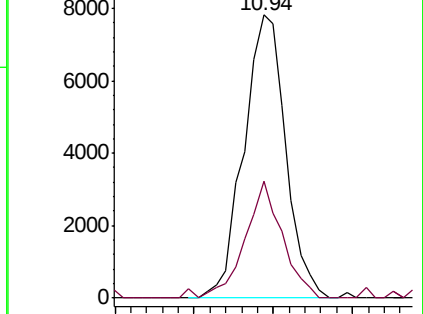
76 100

78 36.7 25.8 38.8



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: 701.482 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD067056.D

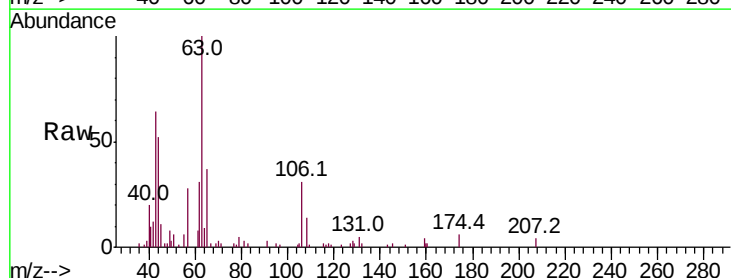
Acq: 03 Oct 2020 01:59

Tgt Ion: 63 Resp: 28539

Ion Ratio Lower Upper

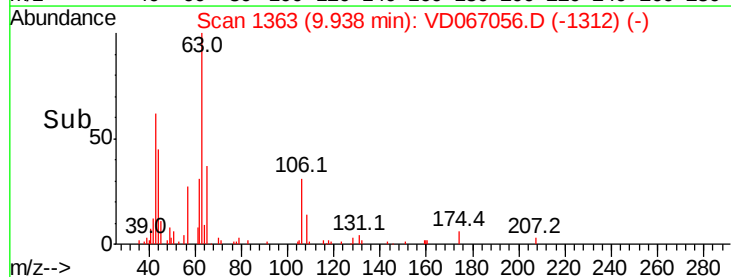
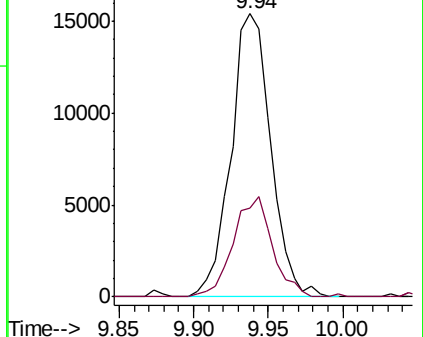
63 100

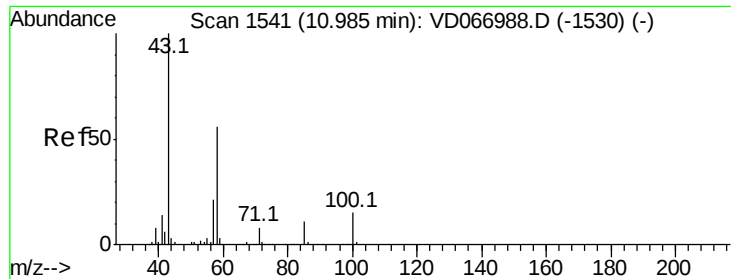
106 34.5 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

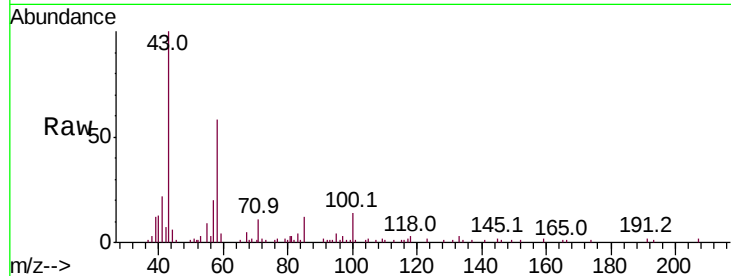




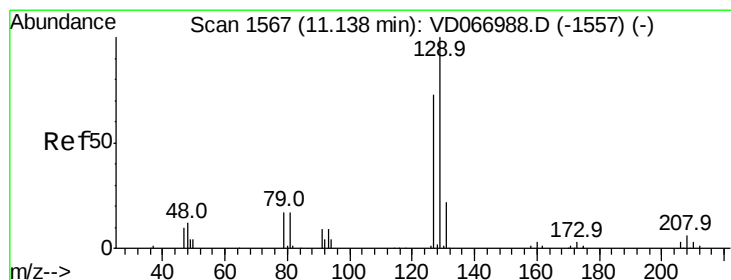
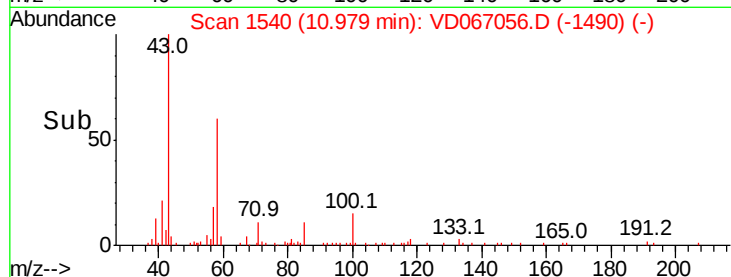
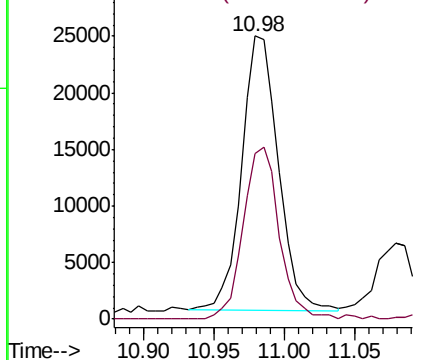
#59
2-Hexanone
Concen: 1536.328 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MS

Tot Ion: 43 Resp: 44253
Ion Ratio Lower Upper
43 100
58 61.3 28.3 84.9

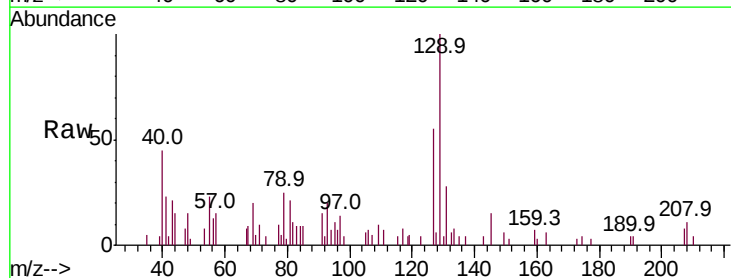


Abundance Ion 43.00 (42.70 to 43.70): VD066988.D (-1530) (-)
Ion 58.00 (57.70 to 58.70): VD066988.D (-1530) (-)

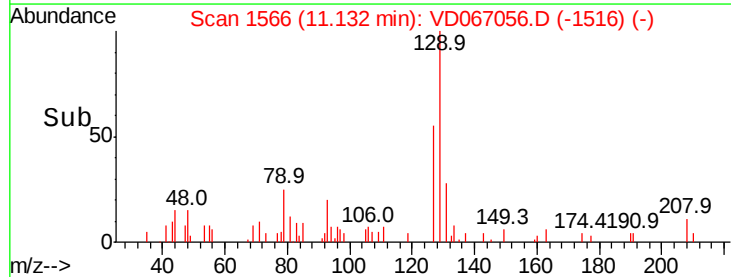
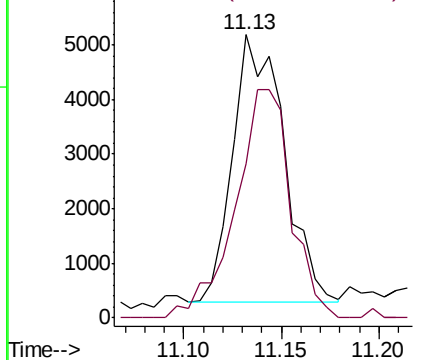


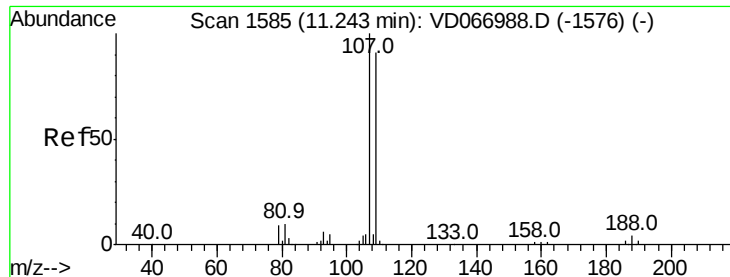
#60
Dibromochloromethane
Concen: 93.755 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Tgt Ion: 129 Resp: 8847
Ion Ratio Lower Upper
129 100
127 93.0 37.4 112.1



Abundance Ion 128.80 (128.50 to 129.50): VD066988.D (-1557) (-)
Ion 126.80 (126.50 to 127.50): VD066988.D (-1557) (-)

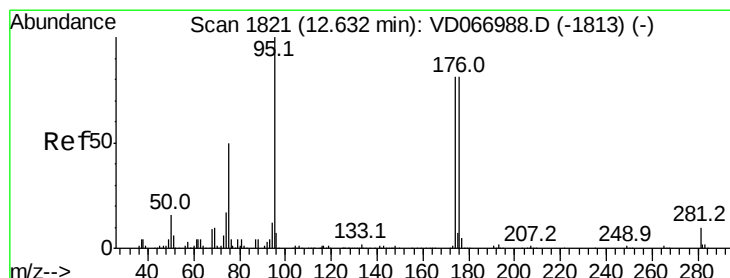
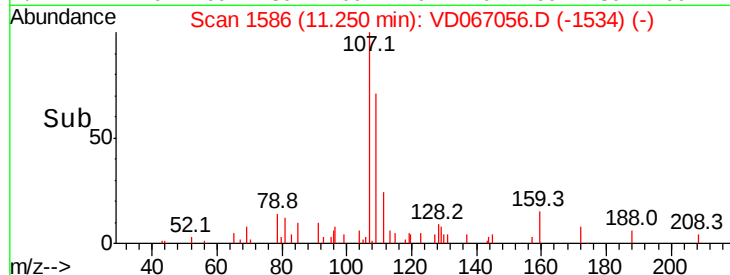
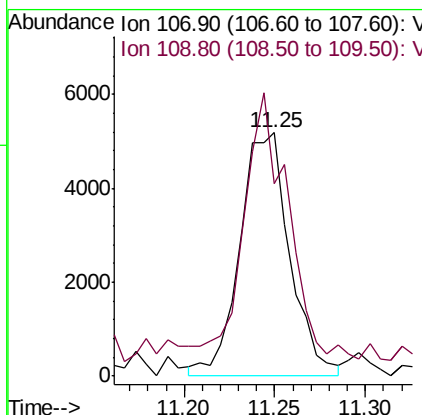
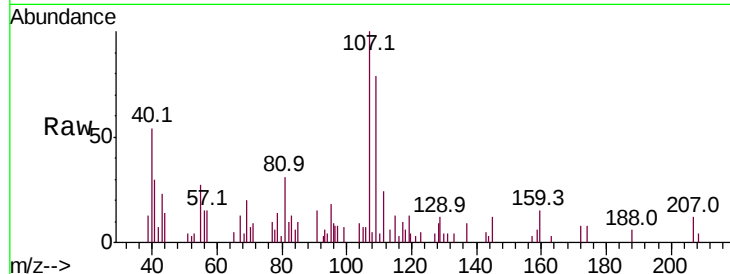




#61
 1,2-Dibromoethane
 Concen: 146.240 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD067056.D
 Acq: 03 Oct 2020 01:59

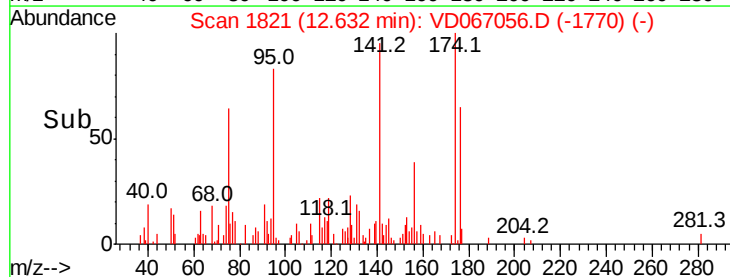
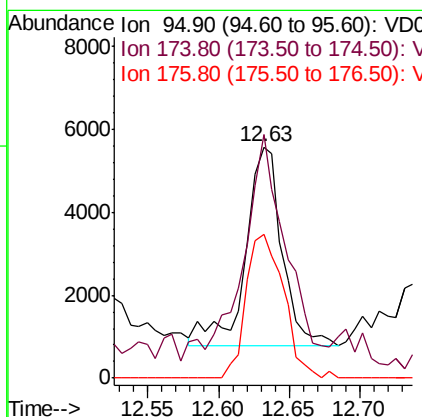
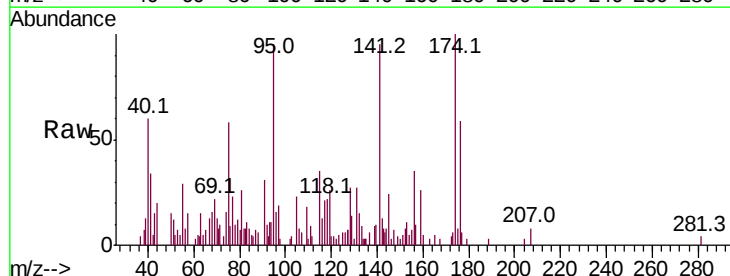
Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MS

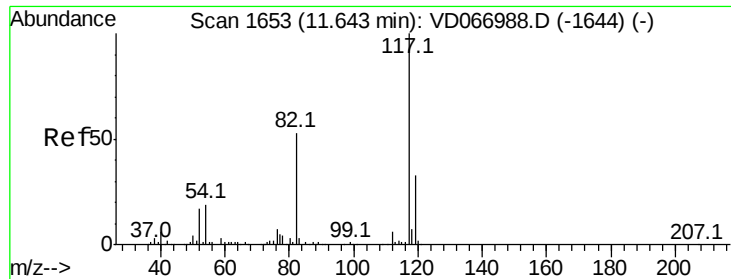
Tot Ion:107 Resp: 9947
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 74.605 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD067056.D
 Acq: 03 Oct 2020 01:59

Tgt Ion: 95 Resp: 8800
 Ion Ratio Lower Upper
 95 100
 174 141.5 0.0 167.6
 176 74.0 0.0 162.4

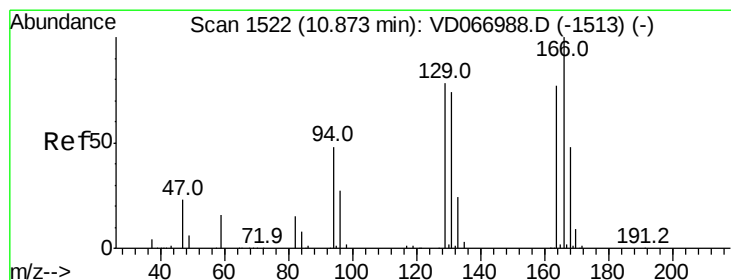
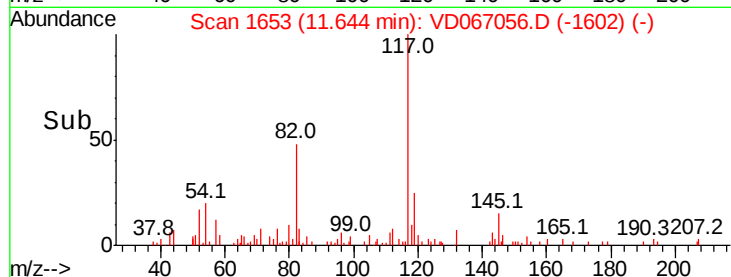
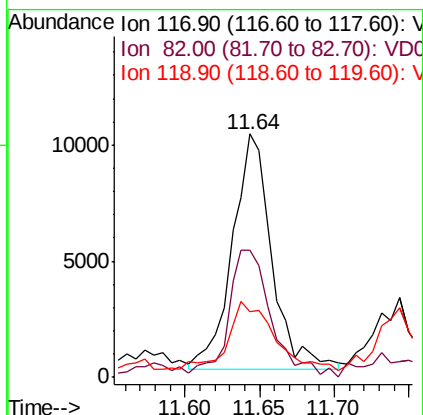
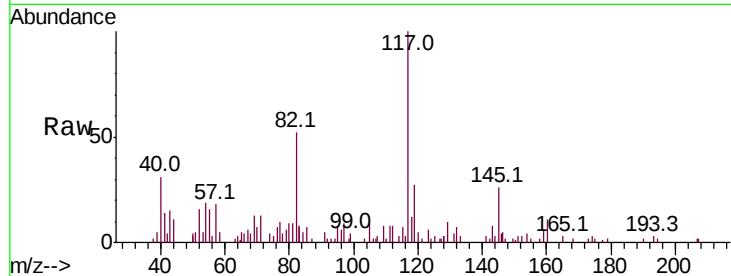




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

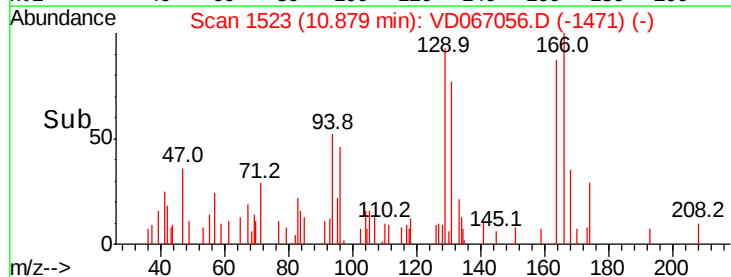
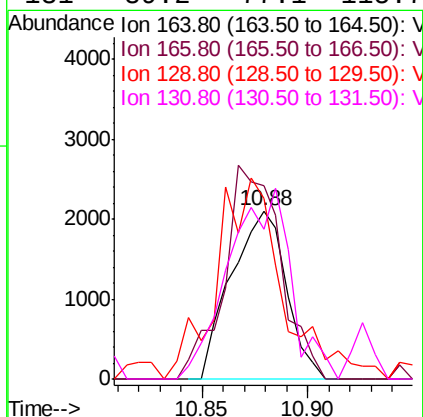
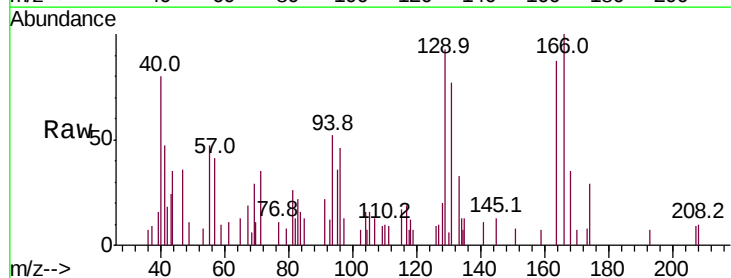
Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MS

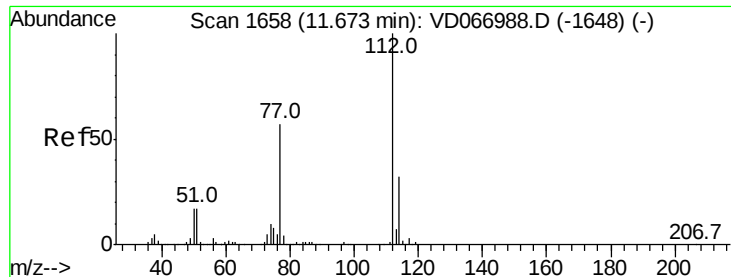
Tot Ion:117 Resp: 18733
Ion Ratio Lower Upper
117 100
82 54.9 42.6 63.8
119 25.7 26.3 39.5#



#64
Tetrachloroethene
Concen: 28.086 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Tgt Ion:164 Resp: 3825
Ion Ratio Lower Upper
164 100
166 115.2 104.4 156.6
129 90.3 81.3 121.9
131 89.2 77.1 115.7





#65

Chlorobenzene

Concen: 37.311 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

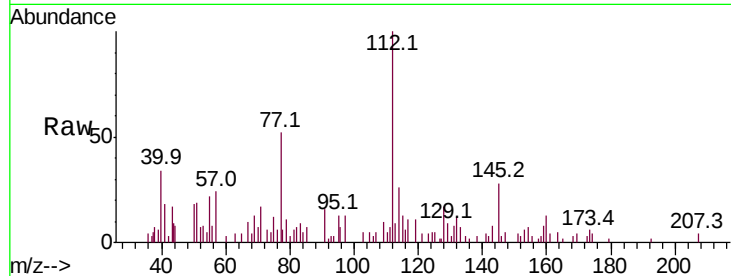
B-18(0-1)MS

Tot Ion:112 Resp: 13901

Ion Ratio Lower Upper

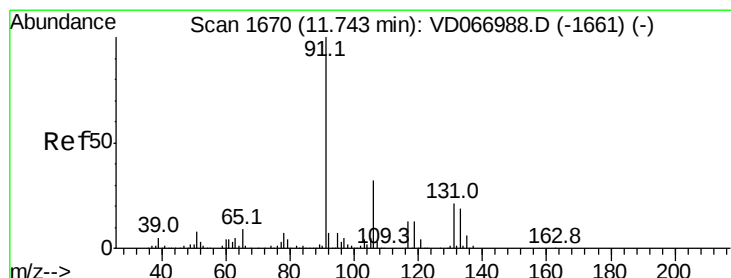
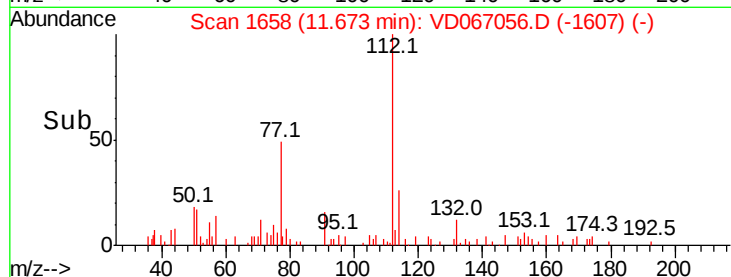
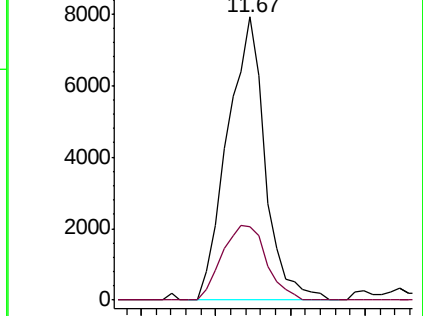
112 100

114 26.2 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 42.195 ug/l

RT: 11.74 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

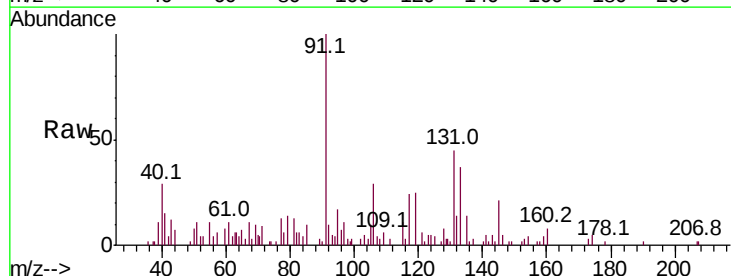
Tgt Ion:131 Resp: 5980

Ion Ratio Lower Upper

131 100

133 114.0 47.8 143.3

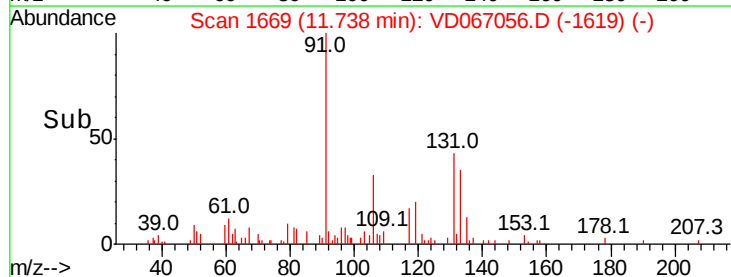
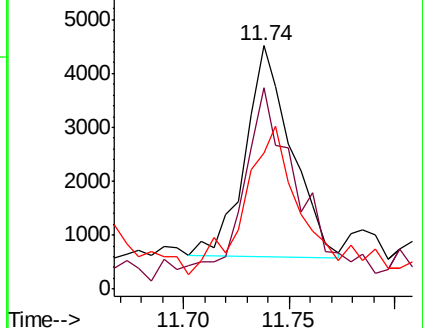
119 80.6 32.3 96.8

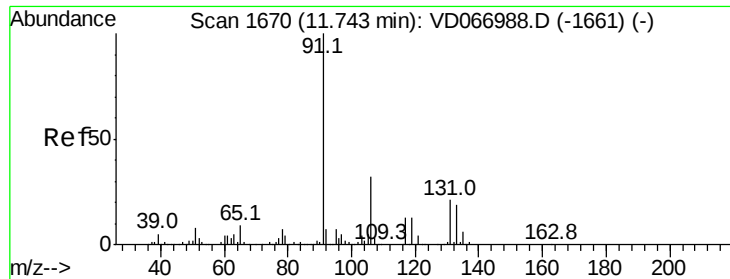


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 31.071 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

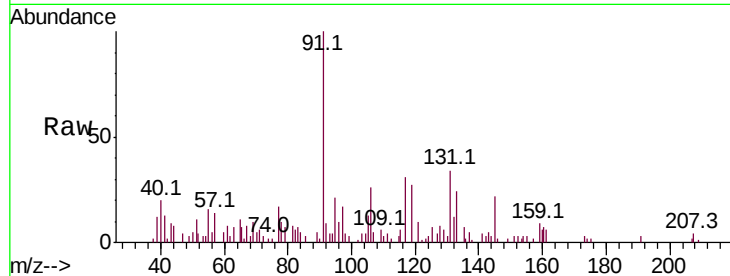
B-18(0-1)MS

Tot Ion: 91 Resp: 19835

Ion Ratio Lower Upper

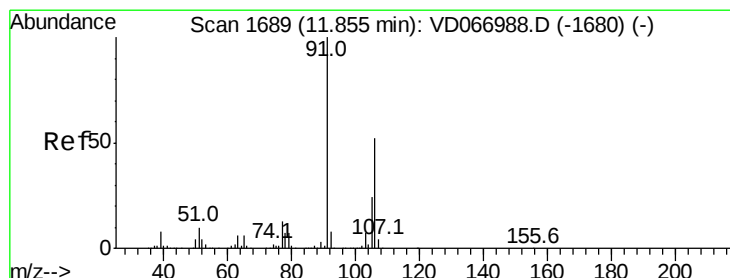
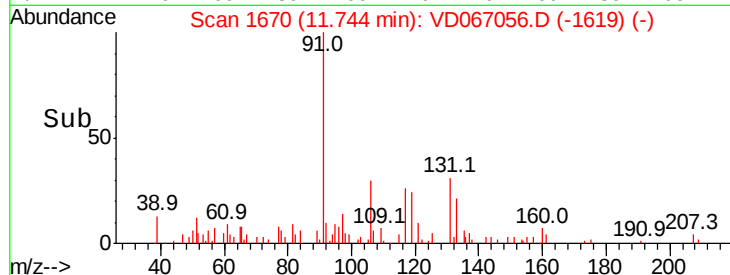
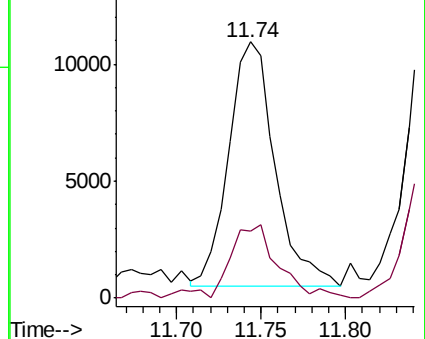
91 100

106 26.0 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 56.391 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067056.D

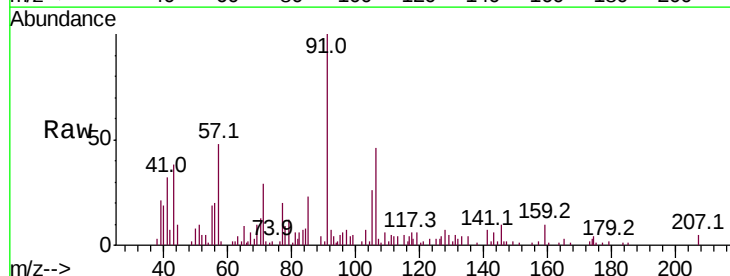
Acq: 03 Oct 2020 01:59

Tgt Ion: 106 Resp: 14029

Ion Ratio Lower Upper

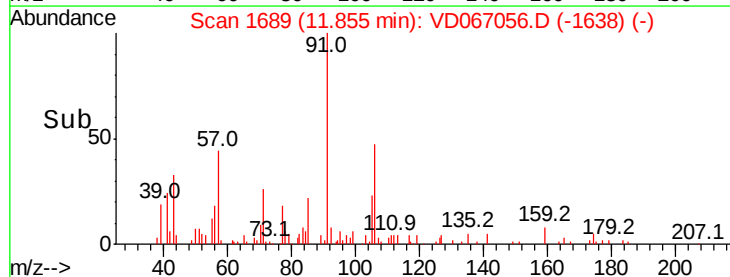
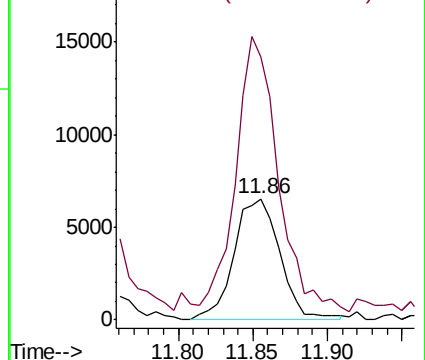
106 100

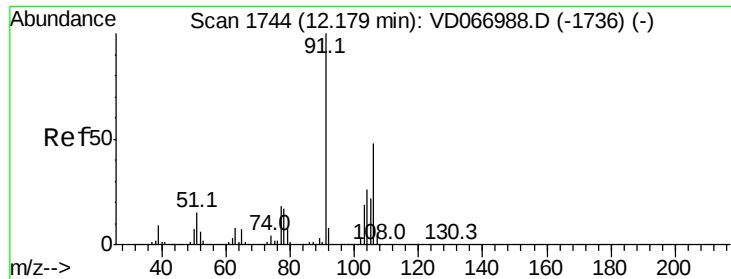
91 207.5 158.4 237.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

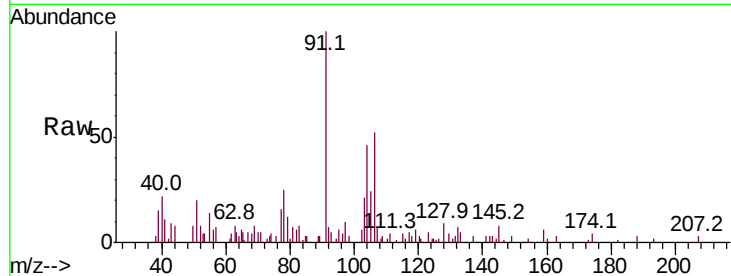




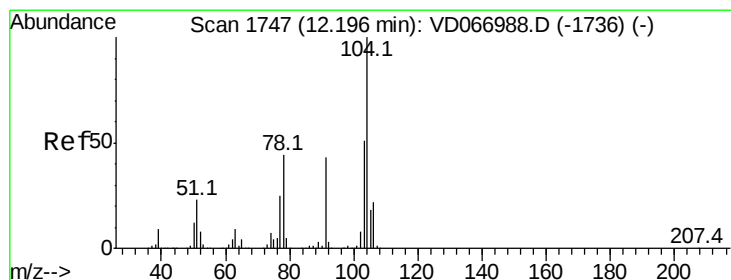
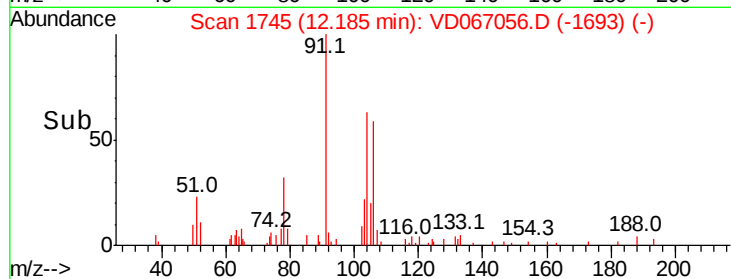
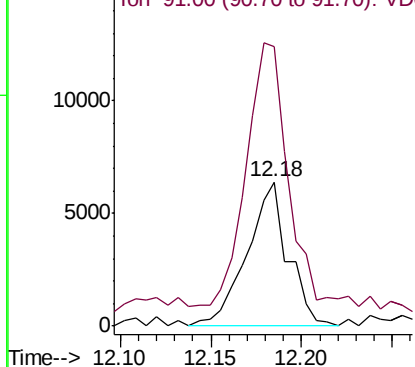
#69
o-Xylene
Concen: 45.480 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Instrument :
MSVOA_D
ClientSampleID :
B-18(0-1)MS

Tot Ion:106 Resp: 10118
Ion Ratio Lower Upper
106 100
91 210.4 102.4 307.2

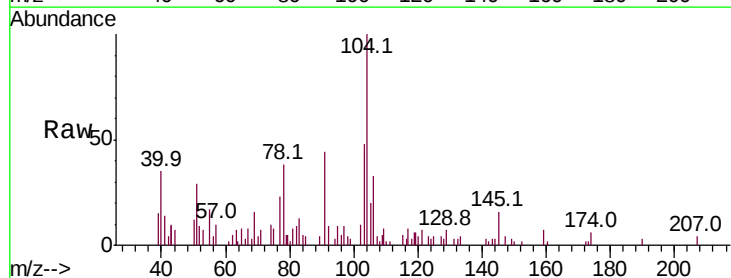


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

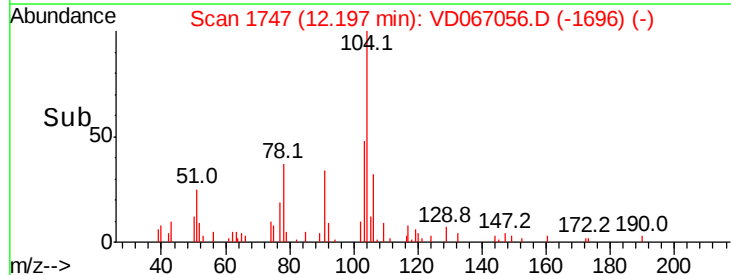
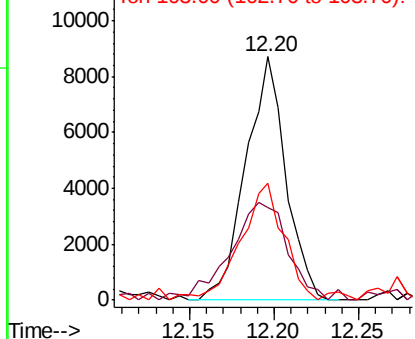


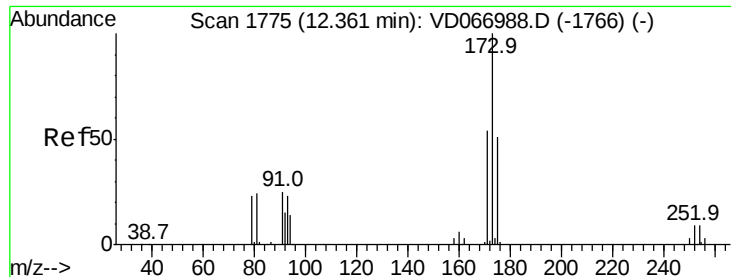
#70
Styrene
Concen: 37.540 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Tgt Ion:104 Resp: 14341
Ion Ratio Lower Upper
104 100
78 58.4 38.6 58.0#
103 51.5 43.4 65.0



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





#71

Bromoform

Concen: 102.507 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MS

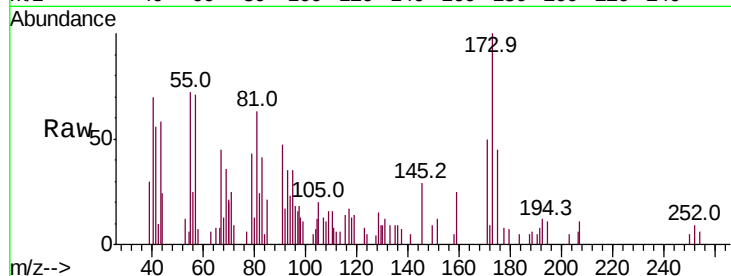
Tot Ion:173 Resp: 7541

Ion Ratio Lower Upper

173 100

175 49.9 24.9 74.7

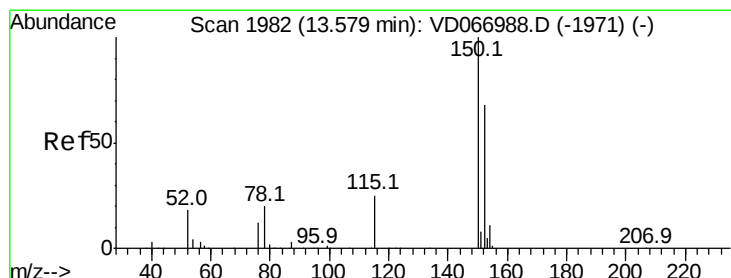
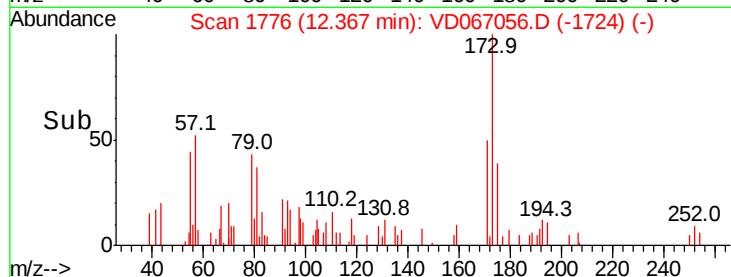
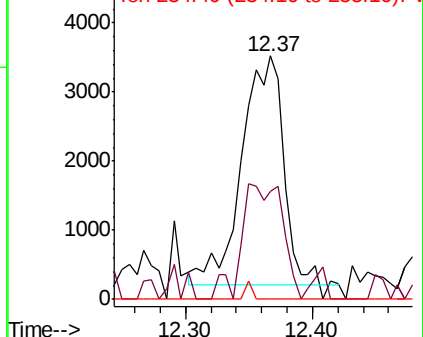
254 1.2 0.2 0.4#



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: 13.44 min Scan# 1959

Delta R.T. -0.14 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

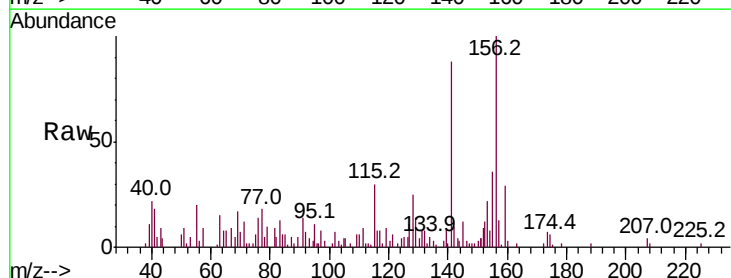
Tgt Ion:152 Resp: 9466

Ion Ratio Lower Upper

152 100

115 77.1 29.6 88.8

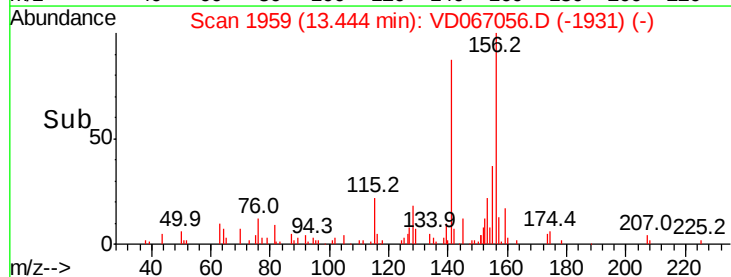
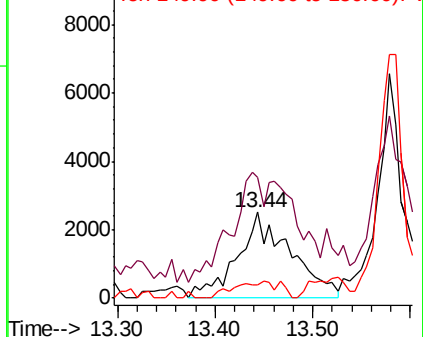
150 17.1 0.0 344.8

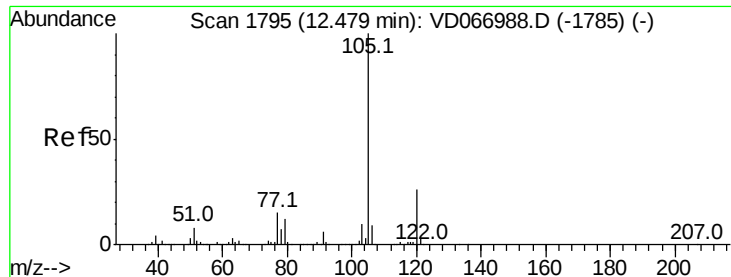


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 14.976 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

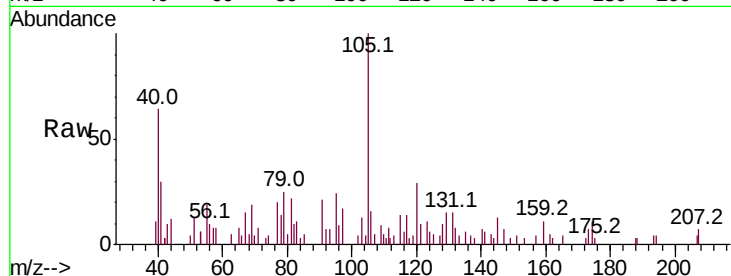
B-18(0-1)MS

Tot Ion:105 Resp: 9626

Ion Ratio Lower Upper

105 100

120 33.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

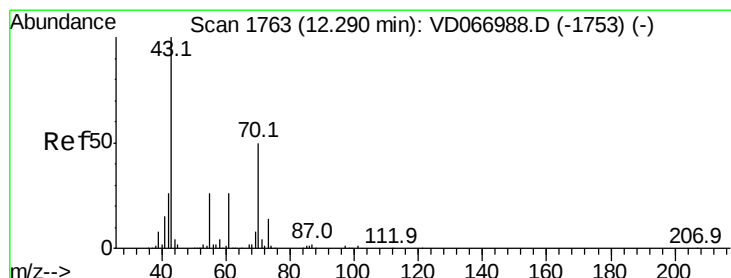
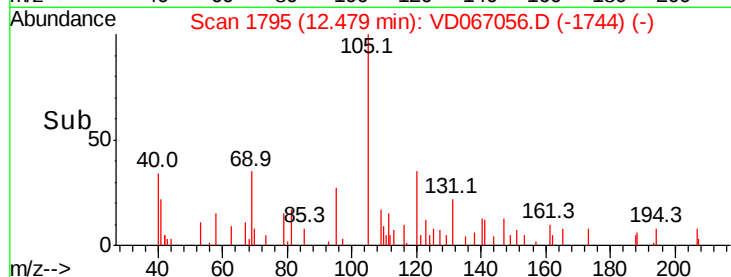
6000

4000

2000

0

Time-->



#74

N-ethyl acetate

Concen: 96.775 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Tgt Ion: 43 Resp: 11182

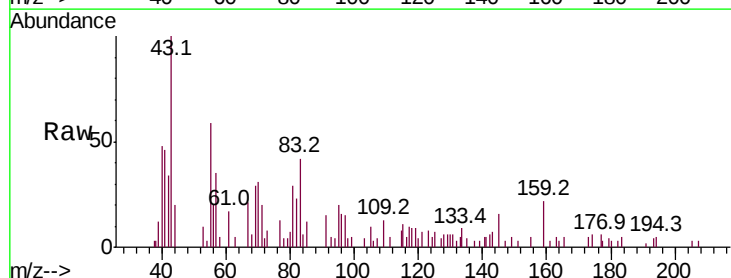
Ion Ratio Lower Upper

43 100

70 47.1 38.2 57.2

55 0.0 22.4 33.6#

61 22.2 20.6 31.0



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

8000

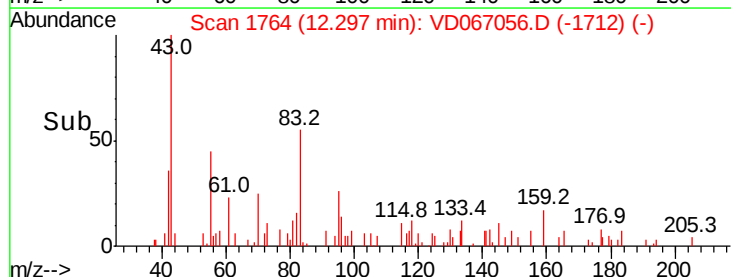
6000

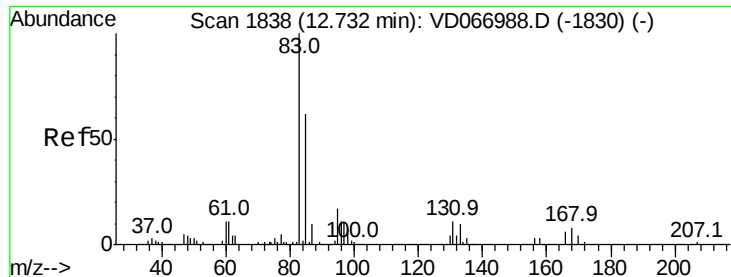
4000

2000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 117.568 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MS

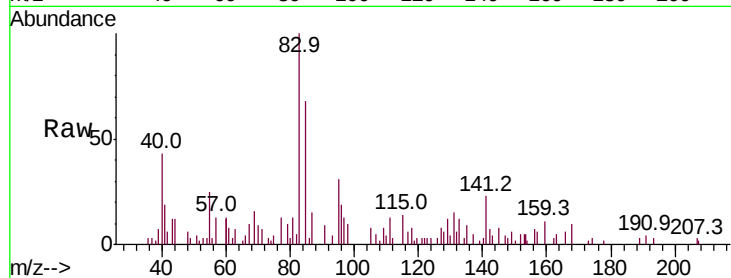
Tot Ion: 83 Resp: 12732

Ion Ratio Lower Upper

83 100

131 15.0 5.7 17.0

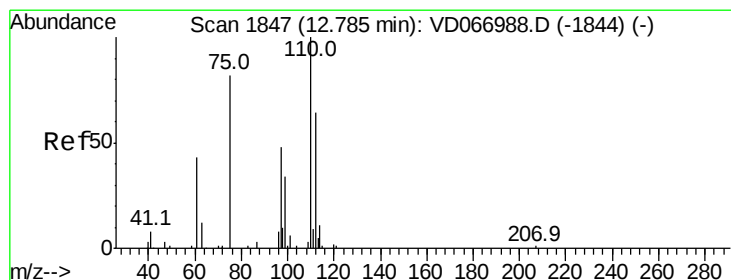
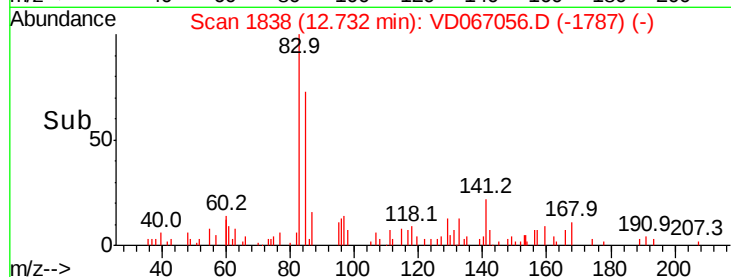
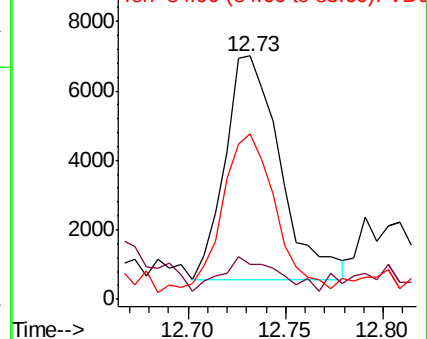
85 65.9 32.0 96.2



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: 177.230 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067056.D

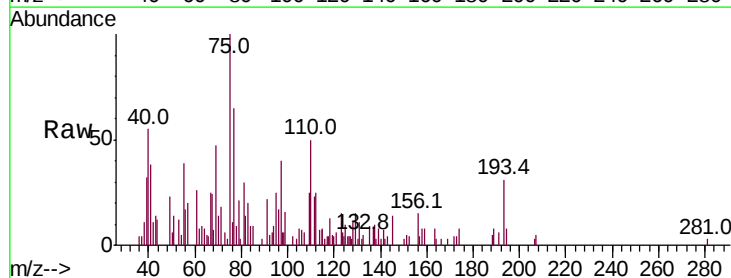
Acq: 03 Oct 2020 01:59

Tgt Ion: 75 Resp: 14613

Ion Ratio Lower Upper

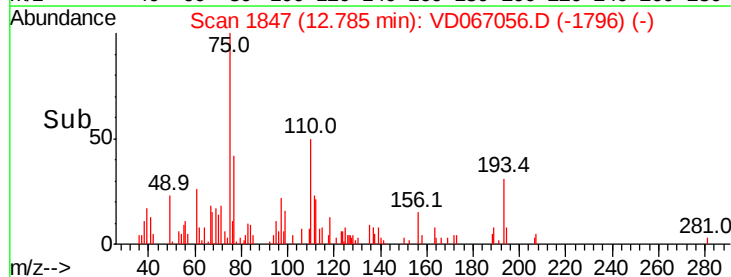
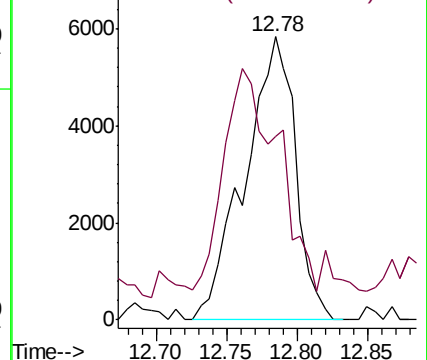
75 100

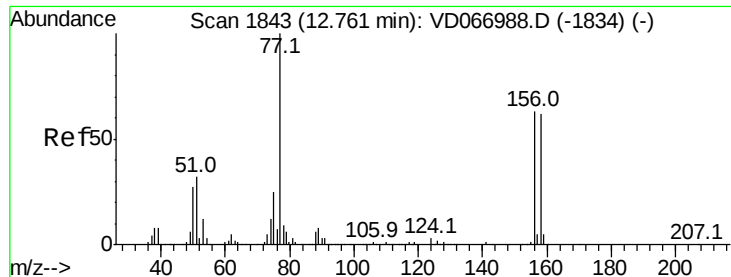
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 44.214 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MS

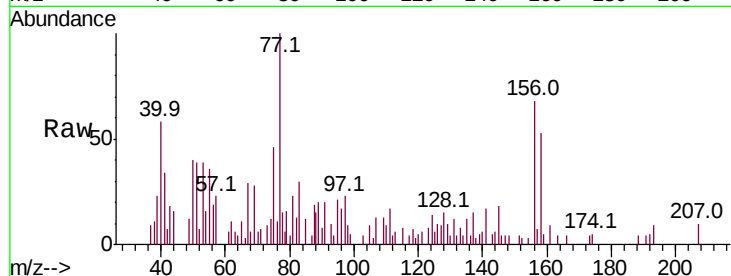
Tot Ion:156 Resp: 6862

Ion Ratio Lower Upper

156 100

77 177.9 86.3 258.8

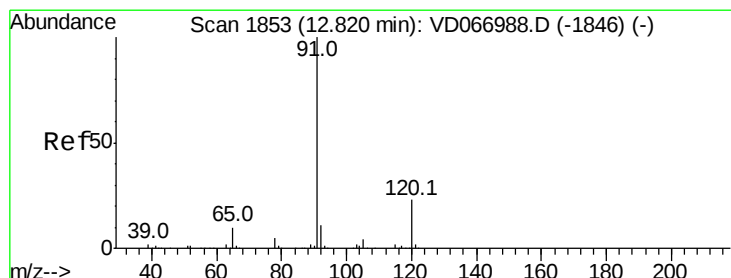
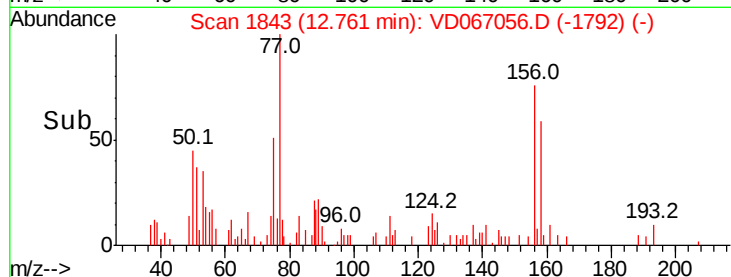
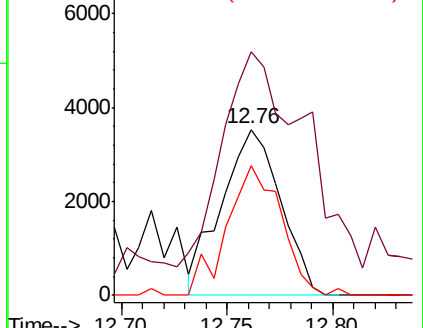
158 72.2 49.5 148.3



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: 15.462 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD067056.D

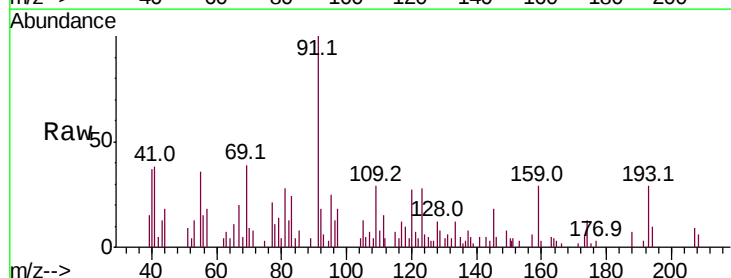
Acq: 03 Oct 2020 01:59

Tgt Ion: 91 Resp: 11745

Ion Ratio Lower Upper

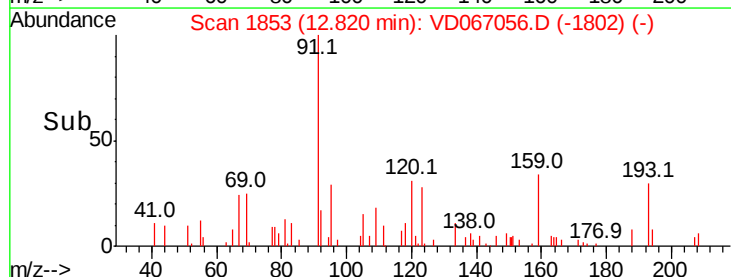
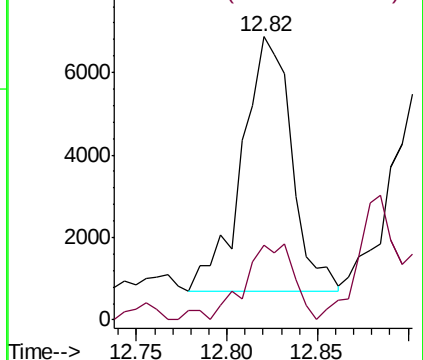
91 100

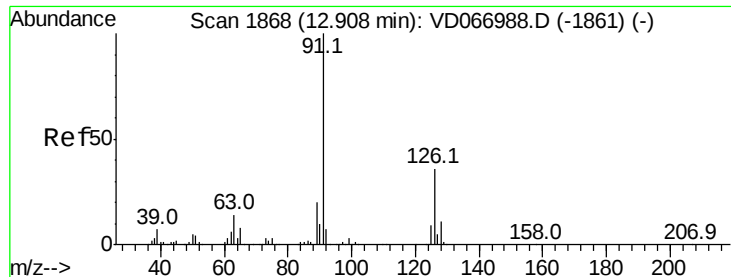
120 30.2 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 27.696 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

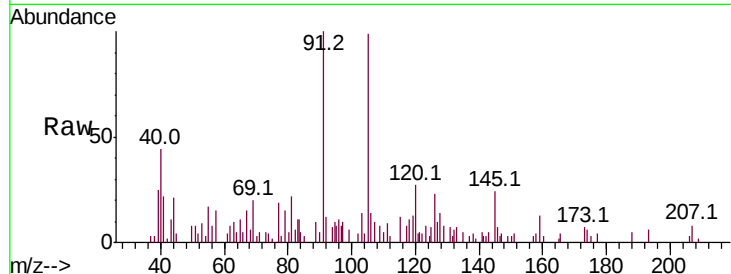
B-18(0-1)MS

Tot Ion: 91 Resp: 12037

Ion Ratio Lower Upper

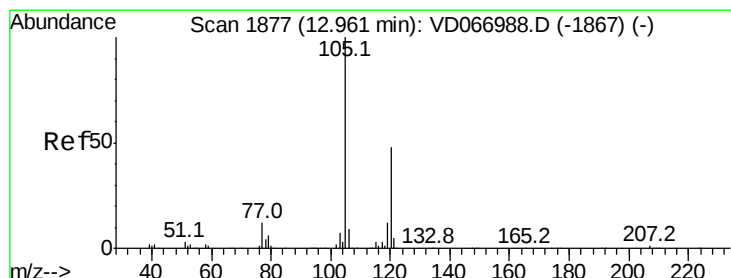
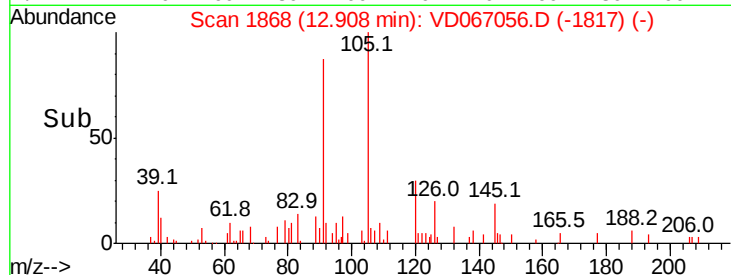
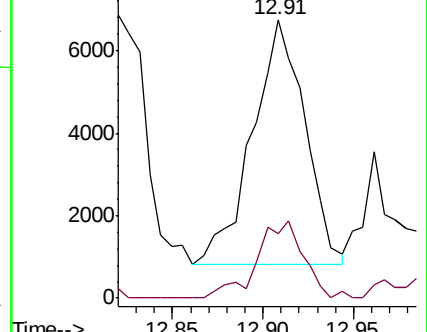
91 100

126 27.9 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.067 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067056.D

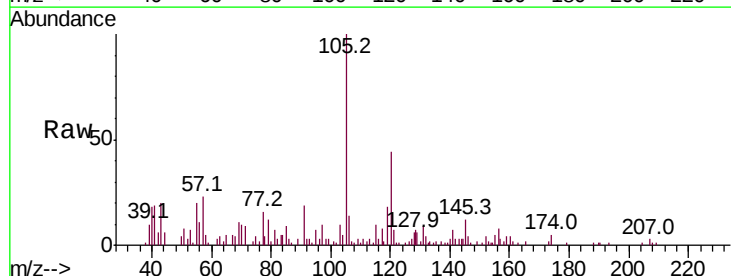
Acq: 03 Oct 2020 01:59

Tgt Ion: 105 Resp: 26103

Ion Ratio Lower Upper

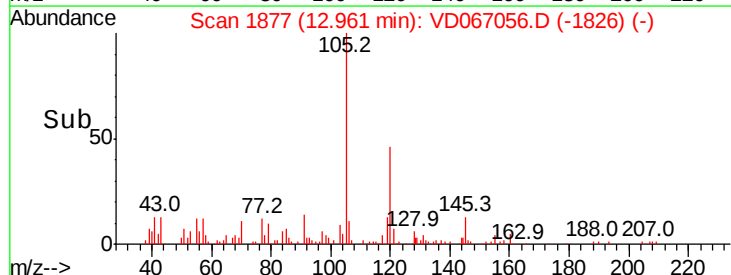
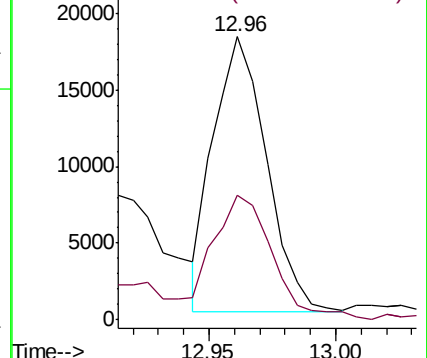
105 100

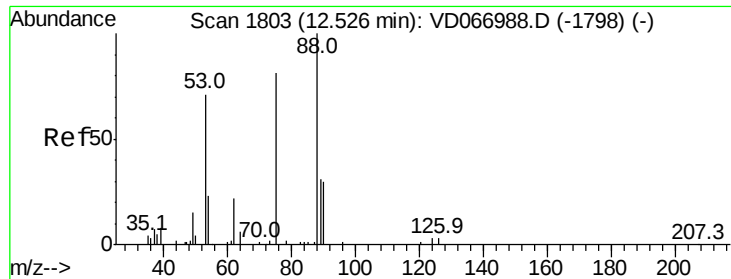
120 54.0 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 129.537 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MS

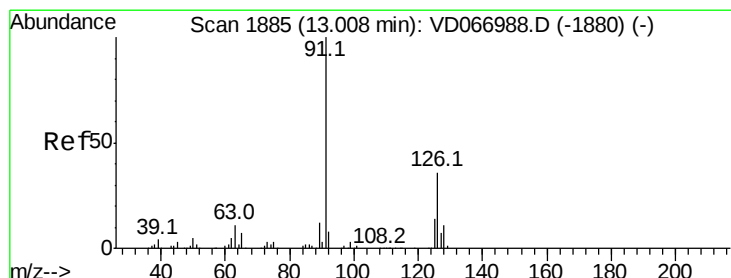
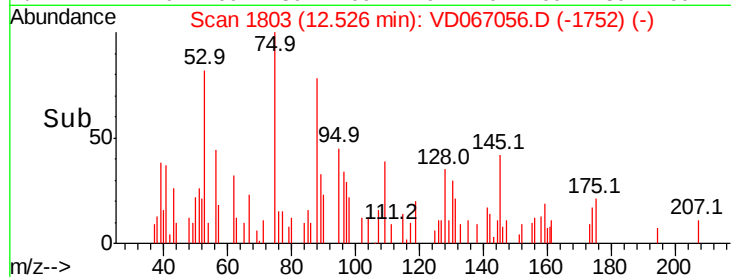
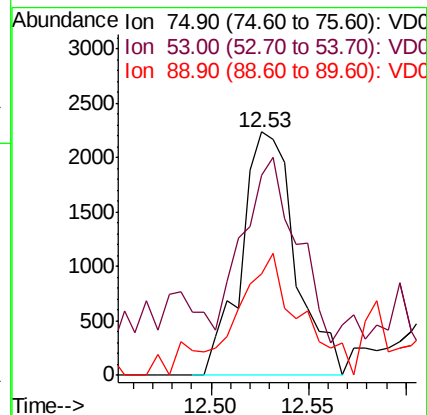
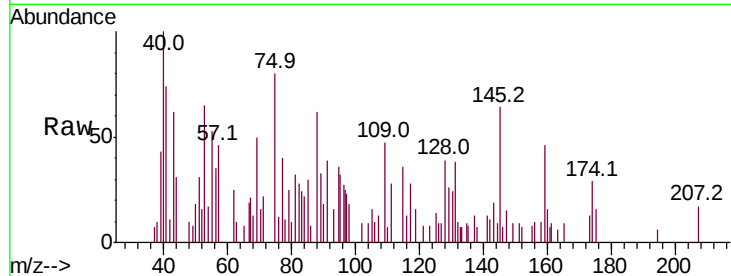
Tot Ion: 75 Resp: 4284

Ion Ratio Lower Upper

75 100

53 75.4 73.8 110.6

89 55.2 38.9 58.3



#82

4-Chlorotoluene

Concen: 18.568 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067056.D

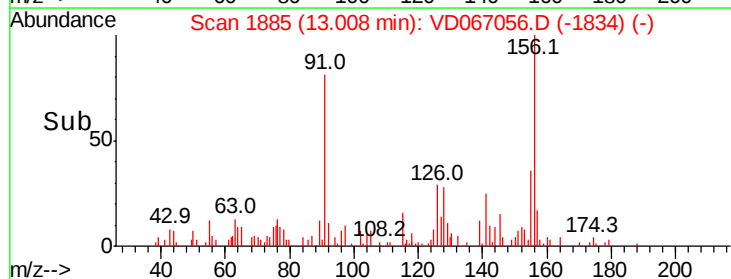
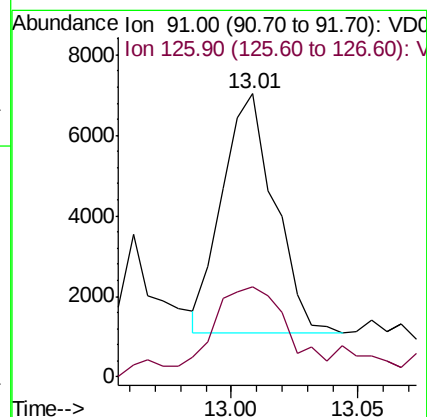
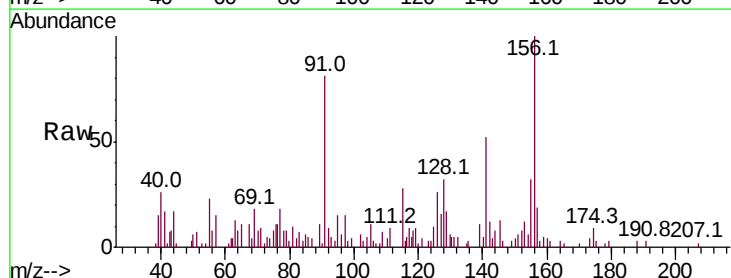
Acq: 03 Oct 2020 01:59

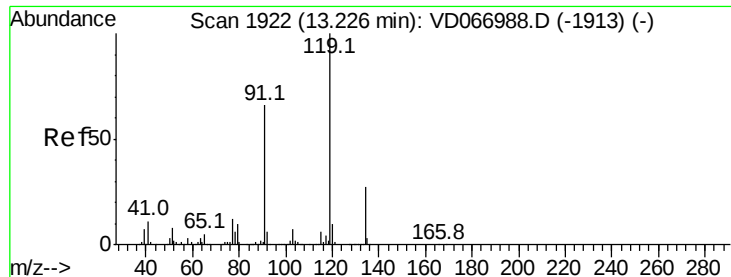
Tgt Ion: 91 Resp: 8586

Ion Ratio Lower Upper

91 100

126 43.1 17.5 52.5

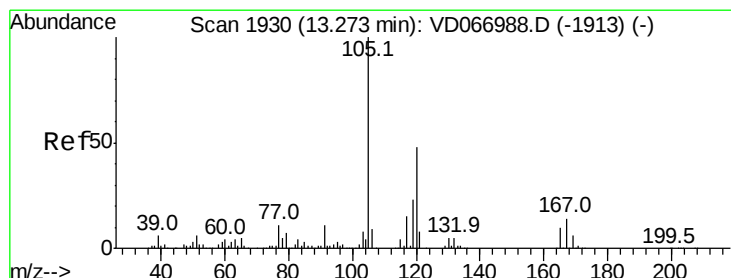
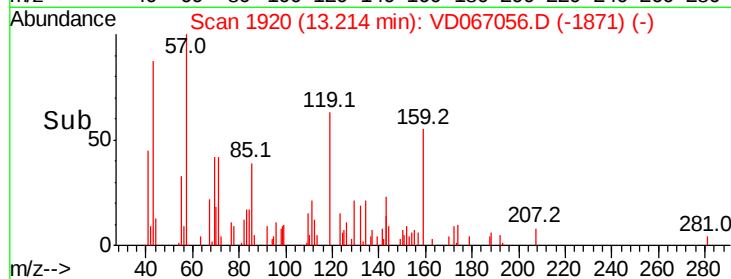
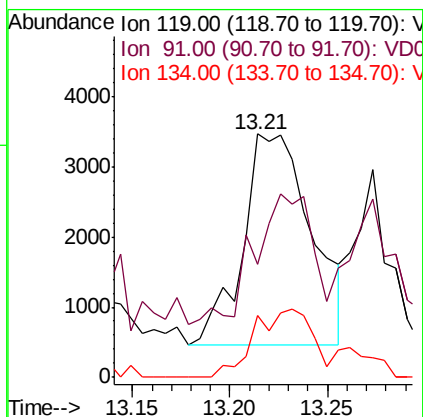
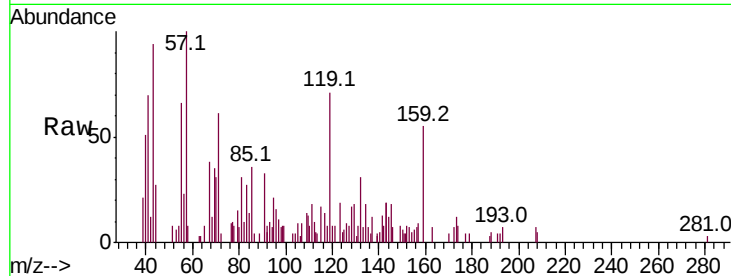




#83
 tert-Butylbenzene
 Concen: 16.083 ug/l
 RT: 13.21 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: VD067056.D
 Acq: 03 Oct 2020 01:59

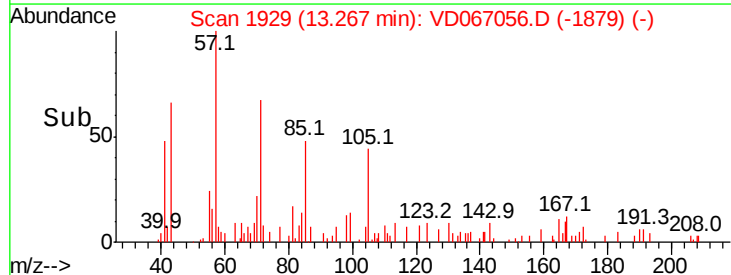
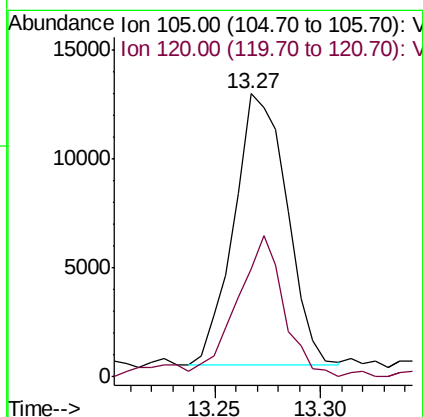
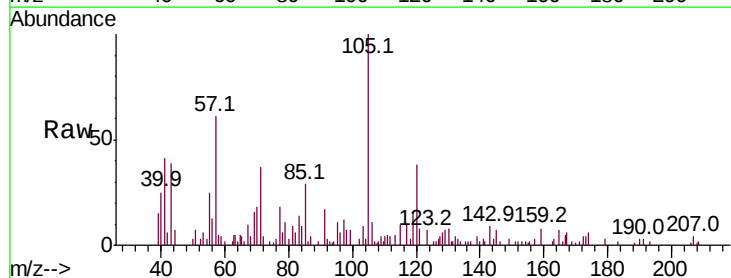
Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MS

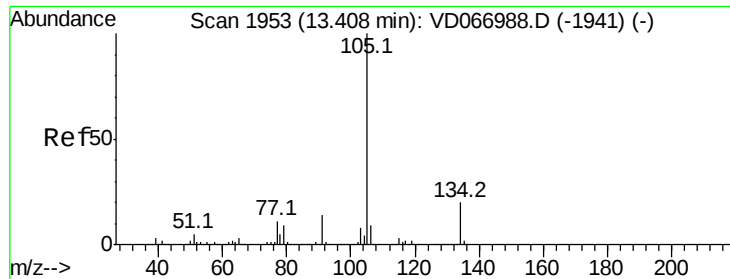
Tot Ion:119 Resp: 7355
 Ion Ratio Lower Upper
 119 100
 91 47.5 32.8 98.3
 134 27.0 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 39.938 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD067056.D
 Acq: 03 Oct 2020 01:59

Tgt Ion:105 Resp: 21644
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.3 69.8





#85

sec-Butylbenzene

Concen: 10.811 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleID :

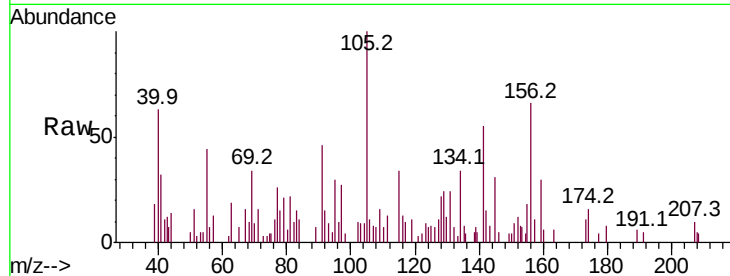
B-18(0-1)MS

Tot Ion:105 Resp: 6962

Ion Ratio Lower Upper

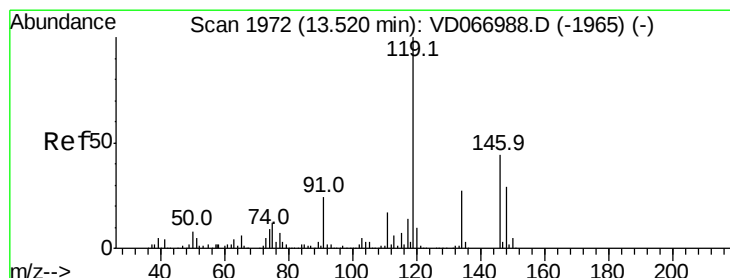
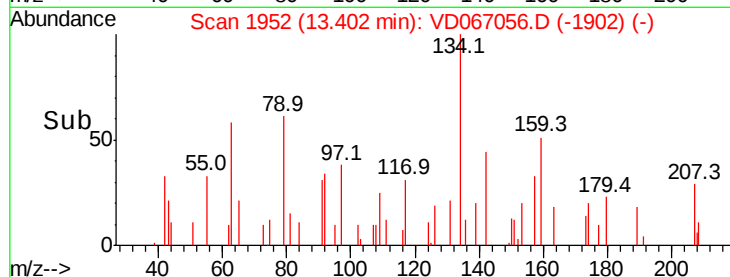
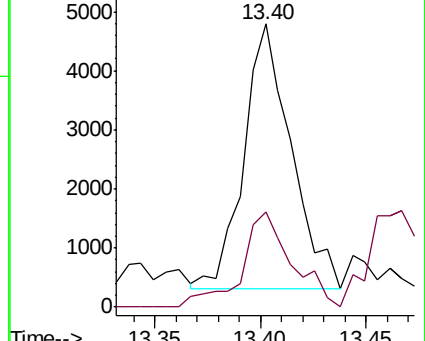
105 100

134 37.9 10.3 30.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 16.025 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

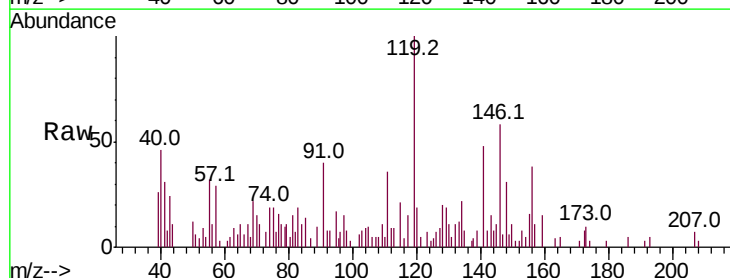
Tgt Ion:119 Resp: 9568

Ion Ratio Lower Upper

119 100

134 25.2 13.1 39.1

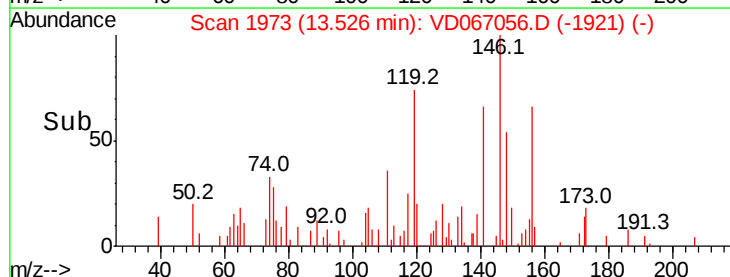
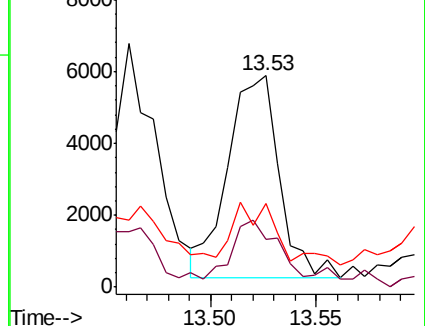
91 18.9 11.7 35.1

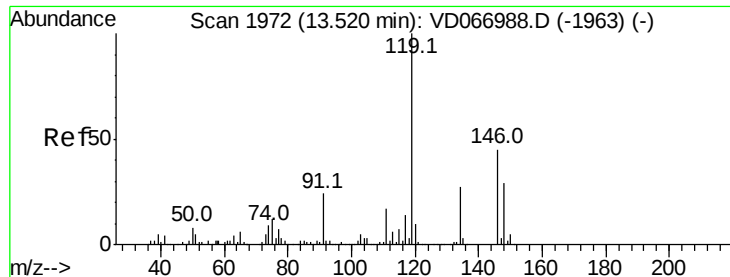


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 27.247 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.01 min

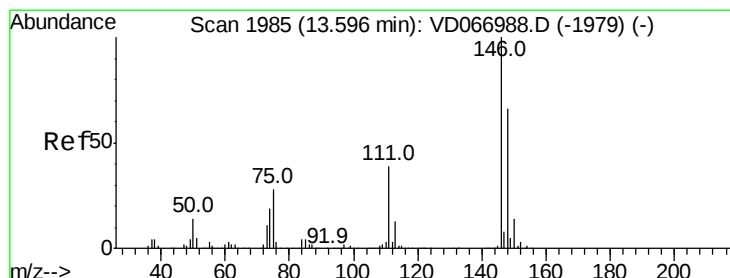
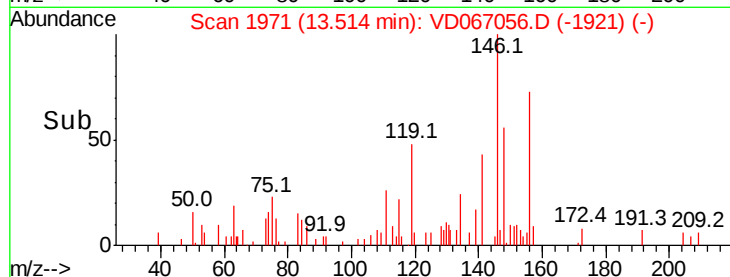
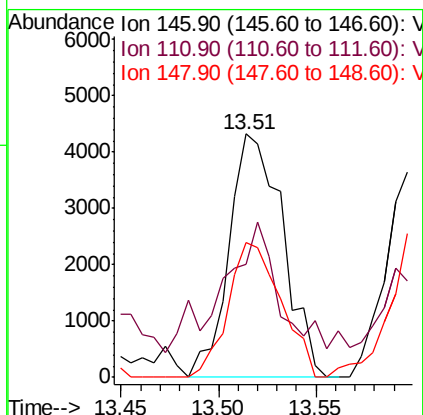
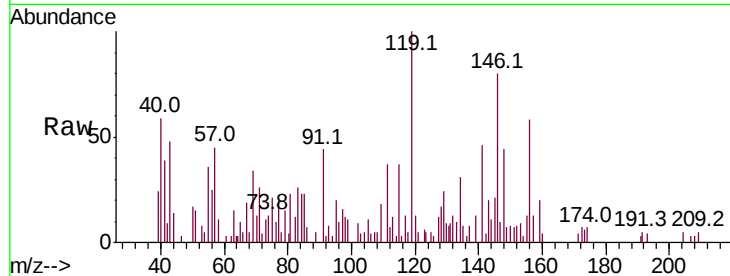
Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MS

Tot Ion:146 Resp: 8237

Ion	Ratio	Lower	Upper
146	100		
111	57.0	20.0	60.0
148	54.5	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 23.039 ug/l

RT: 13.60 min Scan# 1986

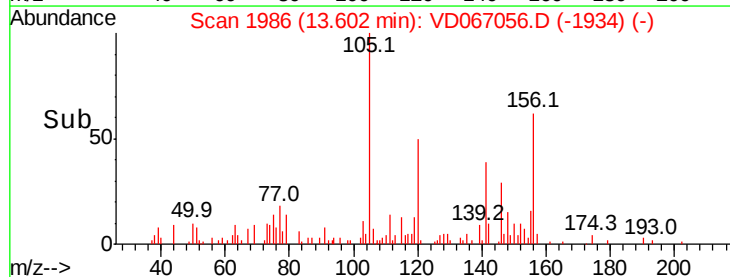
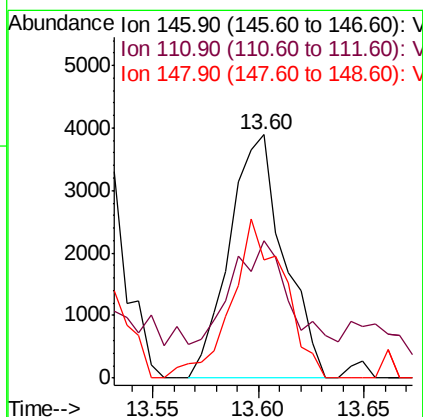
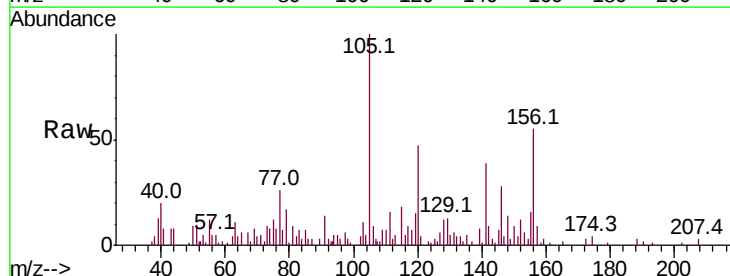
Delta R.T. 0.01 min

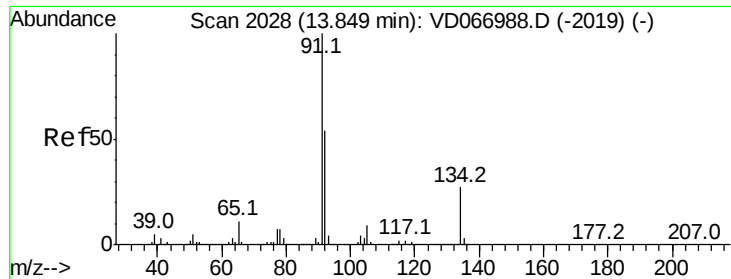
Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Tgt Ion:146 Resp: 6964

Ion	Ratio	Lower	Upper
146	100		
111	49.6	19.6	58.7
148	62.9	32.6	97.7

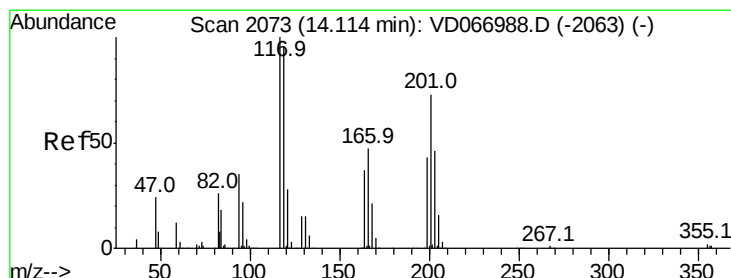
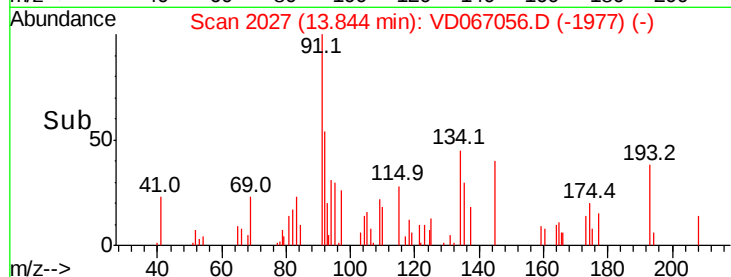
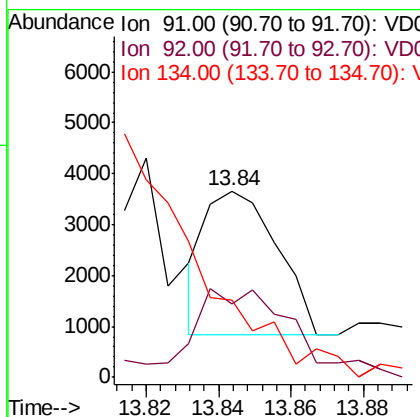
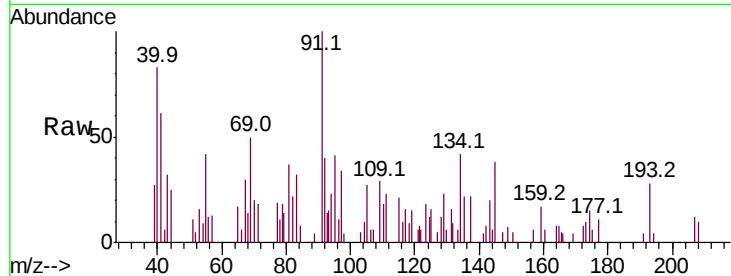




#89
n-Butylbenzene
Concen: 7.080 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

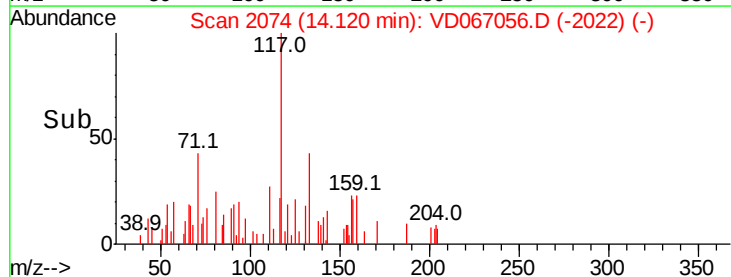
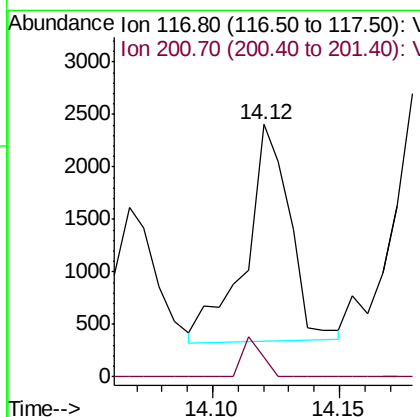
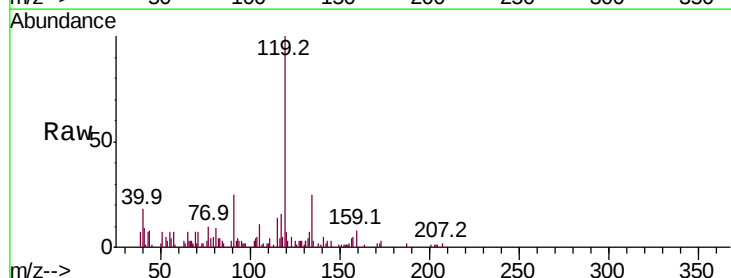
Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MS

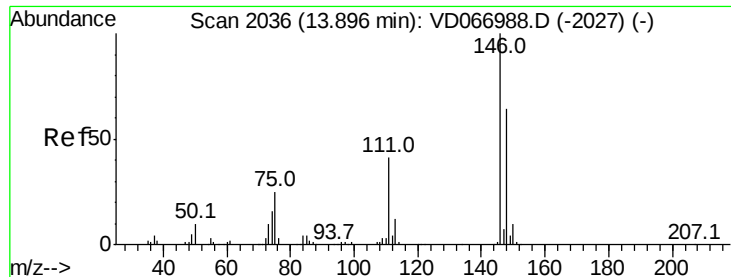
Tot Ion: 91 Resp: 3863
Ion Ratio Lower Upper
91 100
92 93.6 27.1 81.2#
134 0.0 13.6 40.8#



#90
Hexachloroethane
Concen: 23.732 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Tgt Ion: 117 Resp: 2482
Ion Ratio Lower Upper
117 100
201 8.1 37.0 110.9#





#91

1,2-Dichlorobenzene

Concen: 30.309 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MS

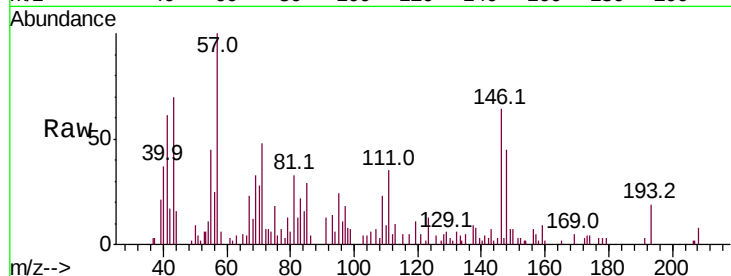
Tot Ion:146 Resp: 8002

Ion Ratio Lower Upper

146 100

111 54.2 20.9 62.7

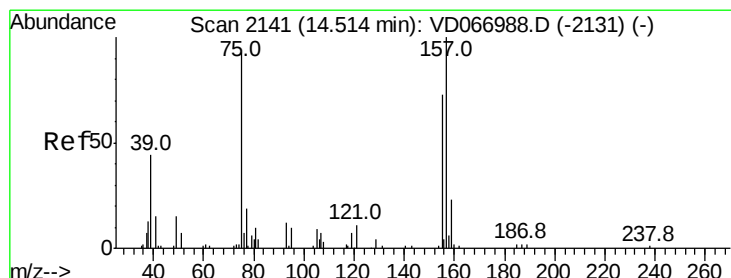
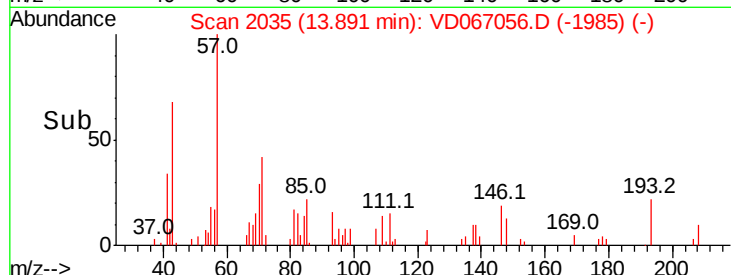
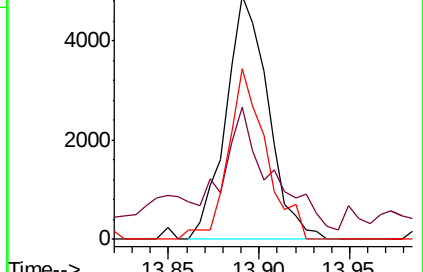
148 62.4 32.3 96.9



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: 138.799 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD067056.D

Acq: 03 Oct 2020 01:59

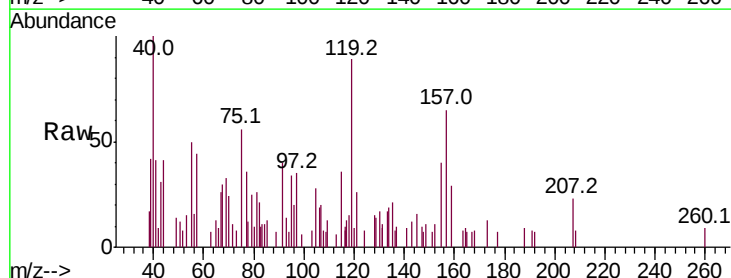
Tgt Ion: 75 Resp: 2423

Ion Ratio Lower Upper

75 100

155 88.6 45.2 135.6

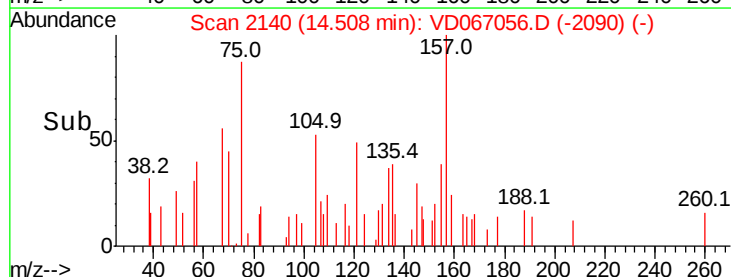
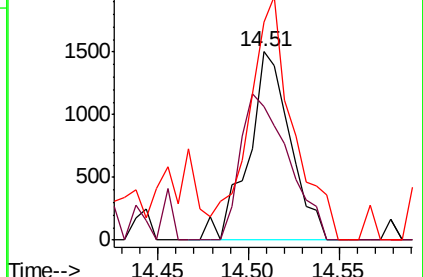
157 136.5 56.3 168.8

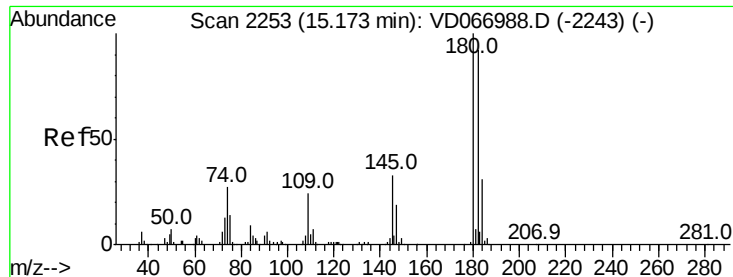


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

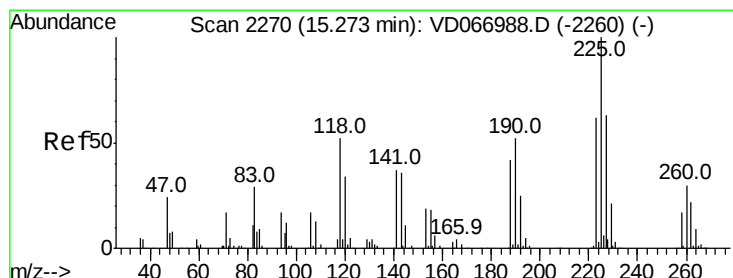
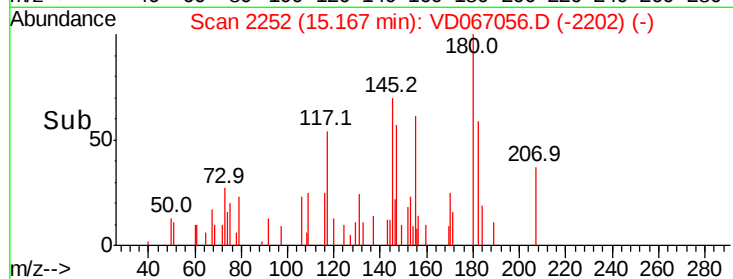
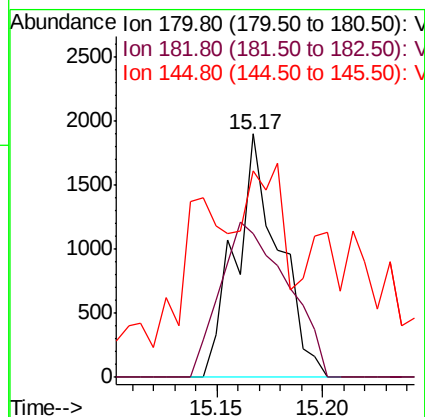
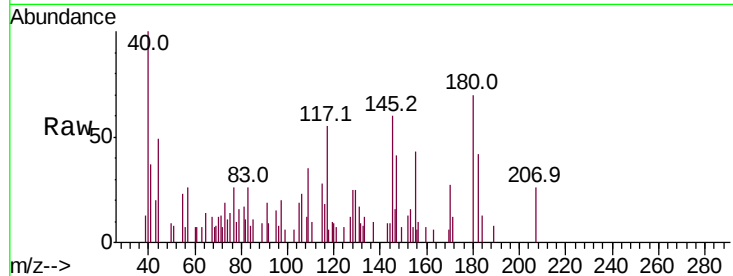




#93
 1,2,4-Trichlorobenzene
 Concen: 15.740 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067056.D
 Acq: 03 Oct 2020 01:59

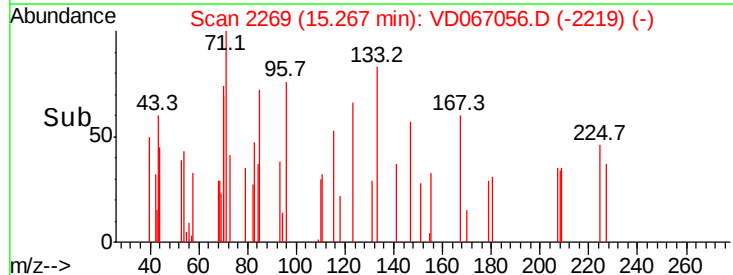
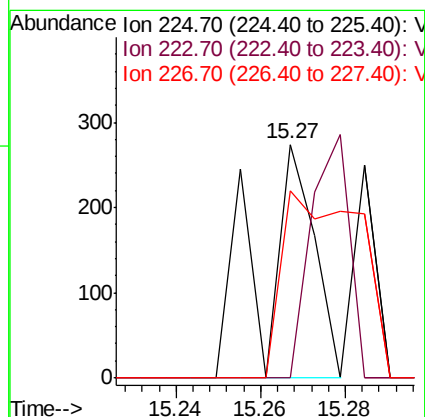
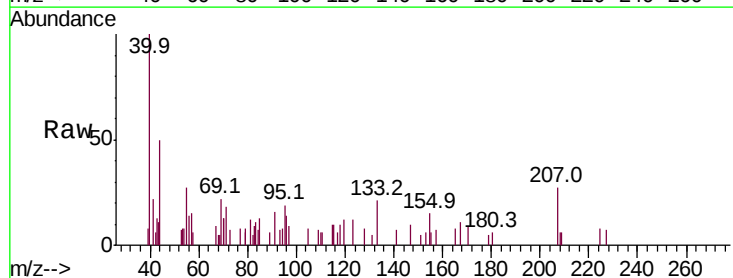
Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MS

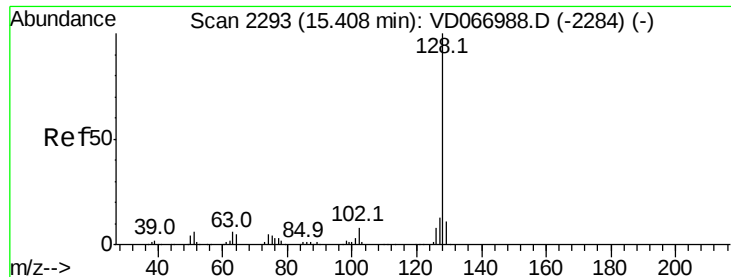
Tot Ion:180 Resp: 2688
 Ion Ratio Lower Upper
 180 100
 182 99.3 47.3 142.0
 145 49.7 16.4 49.1#



#94
 Hexachlorobutadiene
 Concen: 2.307 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD067056.D
 Acq: 03 Oct 2020 01:59

Tgt Ion:225 Resp: 242
 Ion Ratio Lower Upper
 225 100
 223 73.6 32.4 97.0
 227 115.7 31.6 95.0#

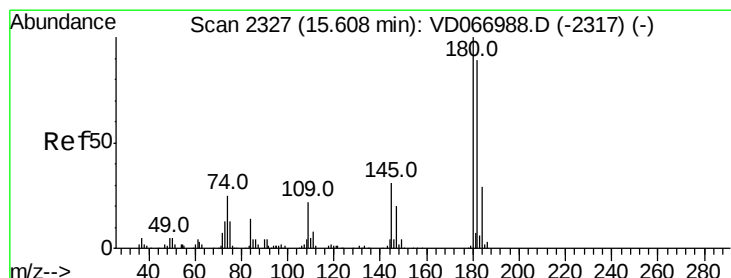
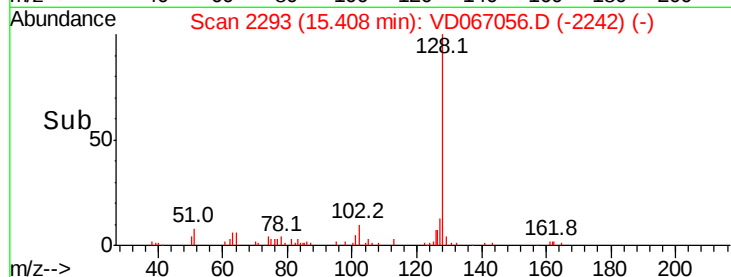
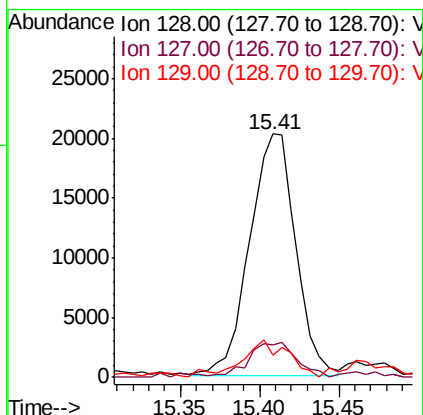
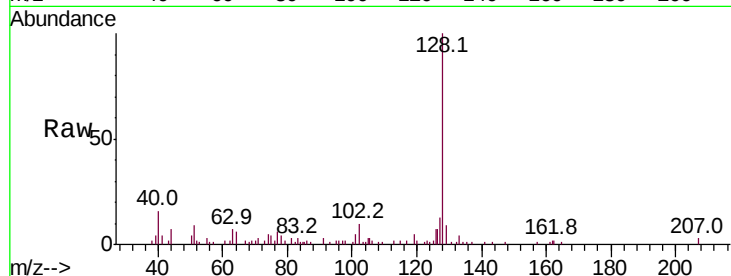




#95
Naphthalene
Concen: 144.248 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MS

Tot Ion:128 Resp: 41088
Ion Ratio Lower Upper
128 100
127 14.9 10.3 15.5
129 15.5 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 19.967 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD067056.D
Acq: 03 Oct 2020 01:59

Tgt Ion:180 Resp: 2960
Ion Ratio Lower Upper
180 100
182 83.4 46.4 139.1
145 223.3 16.6 49.7#

