

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
 Data File : VD067072.D
 Acq On : 05 Oct 2020 09:48
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Quant Time: Oct 06 07:13:15 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	508907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	762172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	682013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	336356	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	224580	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
35) Dibromofluoromethane	7.91	113	251615	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	10.34	98	933331	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.63	95	319745	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	207528	50.727	ug/l	100
3) Chloromethane	2.21	50	170385	42.041	ug/l	99
4) Vinyl Chloride	2.35	62	174555	42.954	ug/l	96
5) Bromomethane	2.77	94	126883	48.292	ug/l	94
6) Chloroethane	2.92	64	106568	43.061	ug/l	95
7) Trichlorofluoromethane	3.27	101	404289	44.778	ug/l	95
8) Diethyl Ether	3.71	74	105269	47.018	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	236320	46.309	ug/l	99
10) Methyl Iodide	4.30	142	228015	45.984	ug/l	98
11) Tert butyl alcohol	5.21	59	58886	194.121	ug/l	100
12) 1,1-Dichloroethene	4.07	96	219688	45.794	ug/l	97
13) Acrolein	3.92	56	63822	194.448	ug/l	99
14) Allyl chloride	4.71	41	300125	48.157	ug/l	98
15) Acrylonitrile	5.42	53	184678	224.117	ug/l	96
16) Acetone	4.16	43	216497	289.335	ug/l	100
17) Carbon Disulfide	4.41	76	680100	46.194	ug/l	100
18) Methyl Acetate	4.71	43	84669	45.022	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	417948	47.724	ug/l	96
20) Methylene Chloride	4.96	84	252196	47.070	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	260913	47.790	ug/l	91
22) Diisopropyl ether	6.36	45	541533	47.596	ug/l	99
23) Vinyl Acetate	6.30	43	1573561	244.064	ug/l	99
24) 1,1-Dichloroethane	6.26	63	401771	45.756	ug/l	99
25) 2-Butanone	7.21	43	229608	216.436	ug/l	93
26) 2,2-Dichloropropane	7.21	77	377962	50.369	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	275586	47.264	ug/l	99
28) Bromochloromethane	7.55	49	157415	46.421	ug/l	97
29) Tetrahydrofuran	7.56	42	137487	225.394	ug/l	98
30) Chloroform	7.71	83	442826	46.490	ug/l	98
31) Cyclohexane	7.98	56	331851	45.080	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	410118	46.458	ug/l	98
36) 1,1-Dichloropropene	8.11	75	340653	47.950	ug/l	98
37) Ethyl Acetate	7.29	43	110634	44.953	ug/l	98
38) Carbon Tetrachloride	8.10	117	376409	48.969	ug/l	96

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Quant Time: Oct 06 07:13:15 2020
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 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)
39) Methylcyclohexane	9.35	83	379107	50.474	ug/l	97
40) Benzene	8.35	78	962146	48.759	ug/l	98
41) Methacrylonitrile	7.52	41	57942	43.578	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	253772	46.024	ug/l	100
43) Isopropyl Acetate	8.45	43	204949	45.204	ug/l	97
44) Trichloroethene	9.11	130	292360	49.617	ug/l	97
45) 1,2-Dichloropropane	9.38	63	225076	48.545	ug/l	93
46) Dibromomethane	9.47	93	129399	48.559	ug/l	99
47) Bromodichloromethane	9.66	83	335612	48.450	ug/l	97
48) Methyl methacrylate	9.45	41	100522	43.276	ug/l #	83
49) 1,4-Dioxane	9.46	88	27147	976.099	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	523804	231.943	ug/l	99
52) Toluene	10.40	92	636239	50.054	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	302772	48.907	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	367320	48.589	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	174528	47.108	ug/l	92
56) Ethyl methacrylate	10.66	69	199295	52.103	ug/l	98
57) 1,3-Dichloropropane	10.94	76	287246	47.812	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	564759	265.276	ug/l	99
59) 2-Hexanone	10.98	43	375918	249.397	ug/l	99
60) Dibromochloromethane	11.14	129	238555	48.311	ug/l	97
61) 1,2-Dibromoethane	11.24	107	169409	47.596	ug/l	95
64) Tetrachloroethene	10.87	164	244543	49.321	ug/l	96
65) Chlorobenzene	11.67	112	672222	49.558	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	252736	48.983	ug/l	98
67) Ethyl Benzene	11.74	91	1211124	52.111	ug/l	97
68) m/p-Xylenes	11.85	106	921717	101.764	ug/l	98
69) o-Xylene	12.18	106	419343	51.773	ug/l	95
70) Styrene	12.20	104	725973	52.197	ug/l	100
71) Bromoform	12.36	173	131274	49.014	ug/l #	96
73) Isopropylbenzene	12.48	105	1179689	51.652	ug/l	100
74) N-amyl acetate	12.29	43	194365	47.340	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	177569	46.145	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	233212	79.601	ug/l #	100
77) Bromobenzene	12.76	156	274888	49.846	ug/l	96
78) n-propylbenzene	12.82	91	1368089	50.685	ug/l	98
79) 2-Chlorotoluene	12.91	91	769383	49.820	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	988935	51.250	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	57668	49.073	ug/l	94
82) 4-Chlorotoluene	13.01	91	816818	49.713	ug/l	99
83) tert-Butylbenzene	13.23	119	840809	51.744	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	977760	50.774	ug/l	98
85) sec-Butylbenzene	13.40	105	1167234	51.008	ug/l	99
86) p-Isopropyltoluene	13.52	119	1078389	50.831	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	523634	48.747	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	515562	48.001	ug/l	100
89) n-Butylbenzene	13.85	91	1000934	51.624	ug/l	99
90) Hexachloroethane	14.11	117	183369	49.343	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	459527	48.984	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27708	44.669	ug/l	92

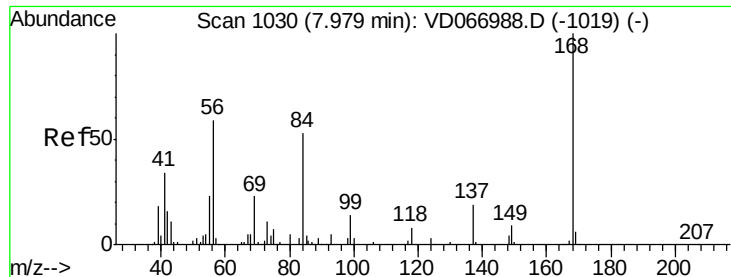
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	311495	51.333	ug/l	99
94) Hexachlorobutadiene	15.28	225	190960	51.242	ug/l	97
95) Naphthalene	15.41	128	522223	51.596	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	265856	50.470	ug/l	97

(#) = 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: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

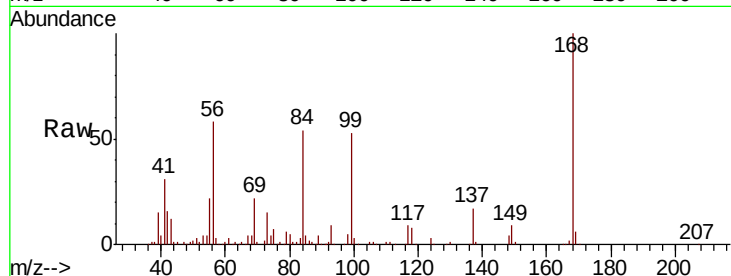
BFB

Tot Ion:168 Resp: 508907

Ion Ratio Lower Upper

168 100

99 53.1 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

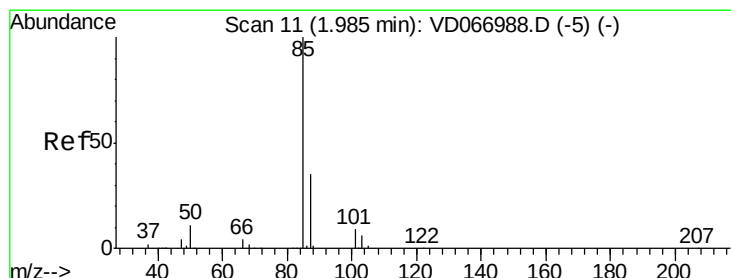
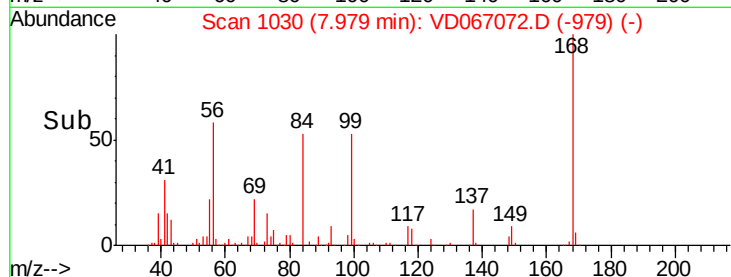
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.727 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067072.D

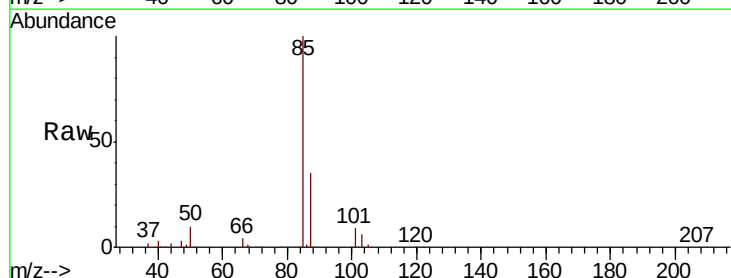
Acq: 05 Oct 2020 09:48

Tgt Ion: 85 Resp: 207528

Ion Ratio Lower Upper

85 100

87 34.7 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

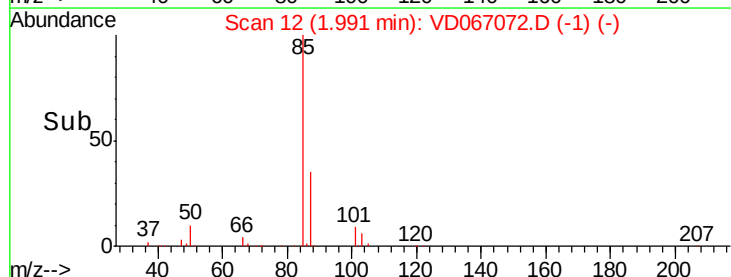
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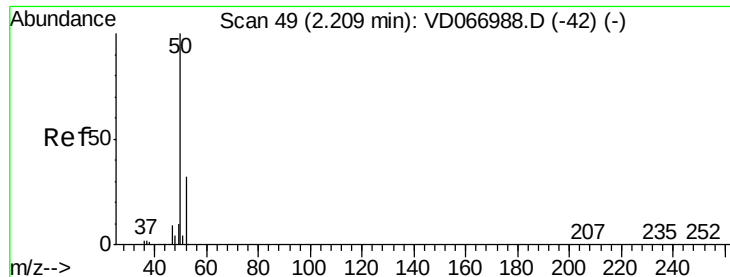
100000

50000

0

Time-->





#3

Chloromethane

Concen: 42.041 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

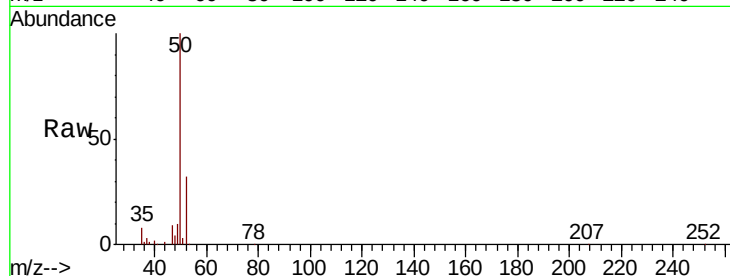
BFB

Tot Ion: 50 Resp: 170385

Ion Ratio Lower Upper

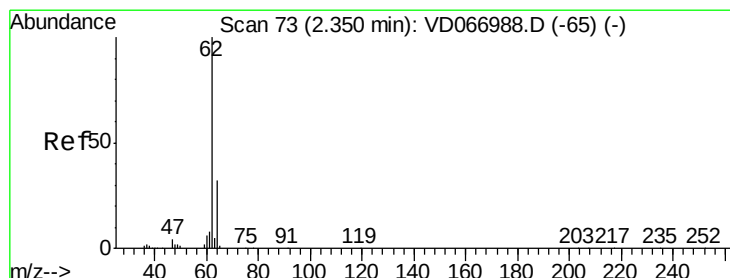
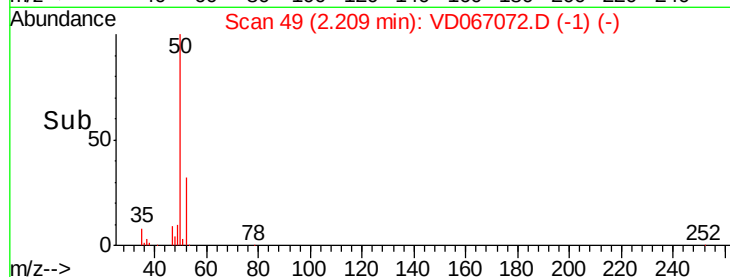
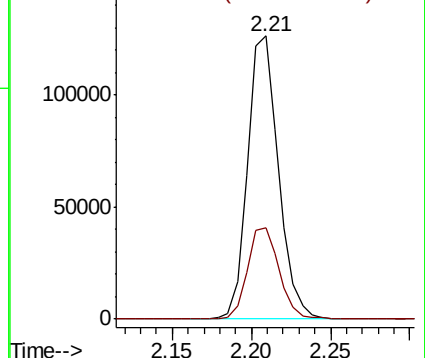
50 100

52 32.4 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: 42.954 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067072.D

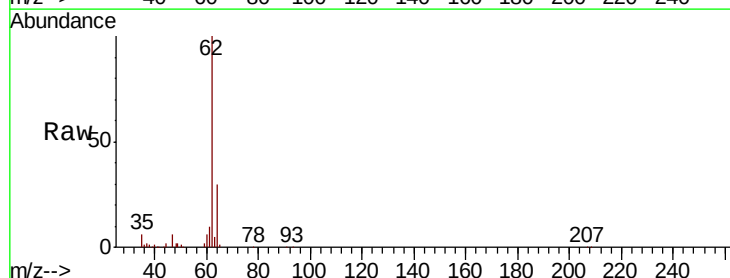
Acq: 05 Oct 2020 09:48

Tgt Ion: 62 Resp: 174555

Ion Ratio Lower Upper

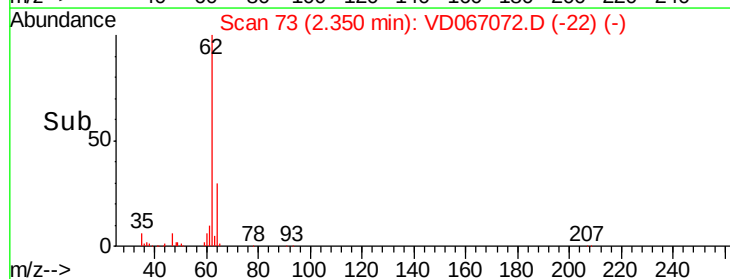
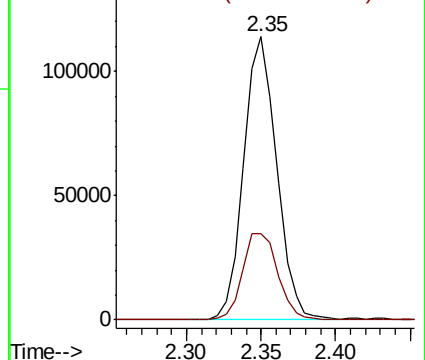
62 100

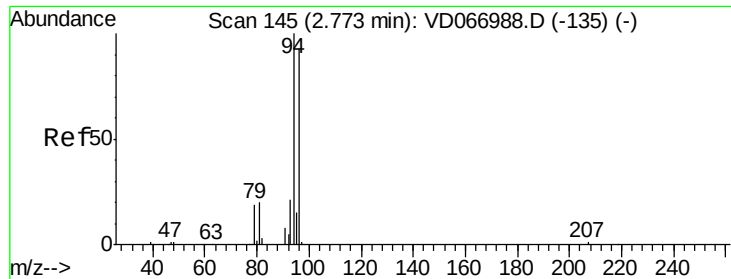
64 30.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 48.292 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

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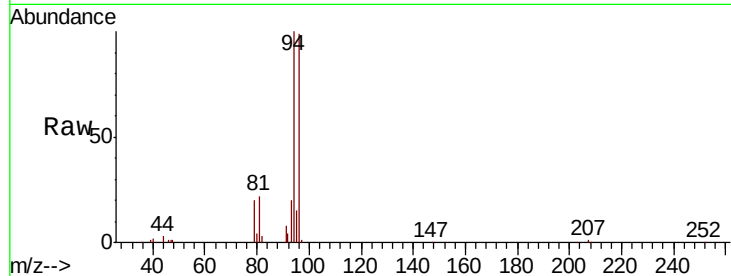
BFB

Tot Ion: 94 Resp: 126883

Ion Ratio Lower Upper

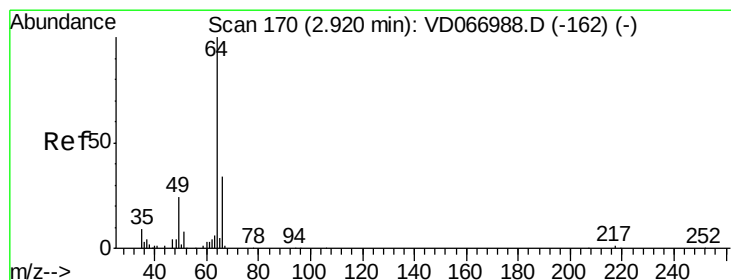
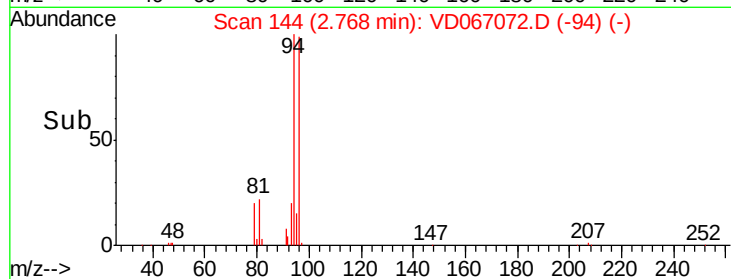
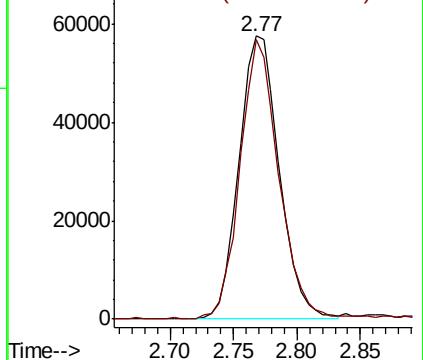
94 100

96 98.9 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: 43.061 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067072.D

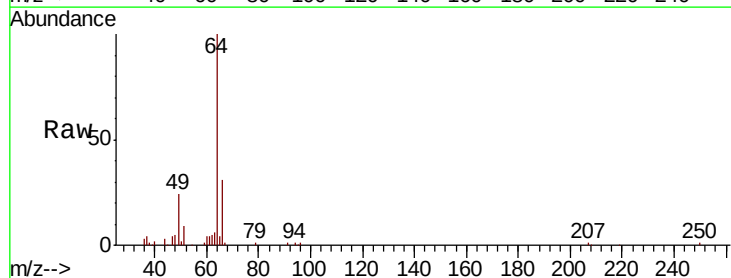
Acq: 05 Oct 2020 09:48

Tgt Ion: 64 Resp: 106568

Ion Ratio Lower Upper

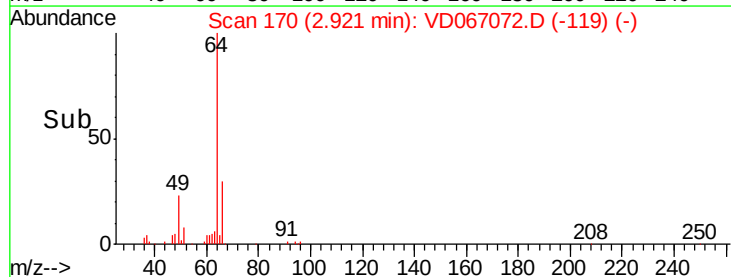
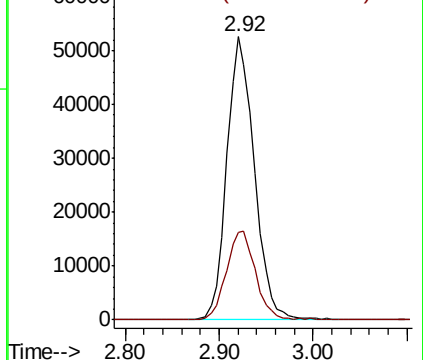
64 100

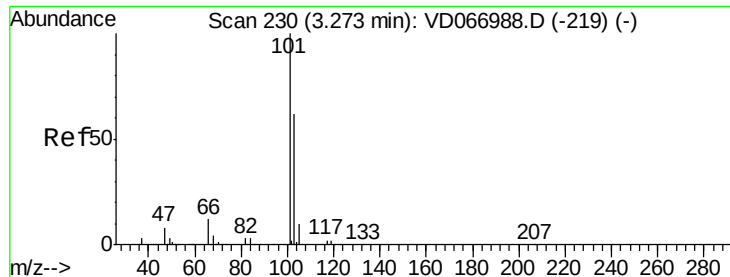
66 30.8 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



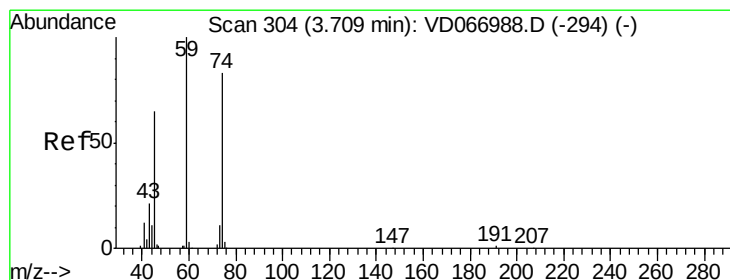
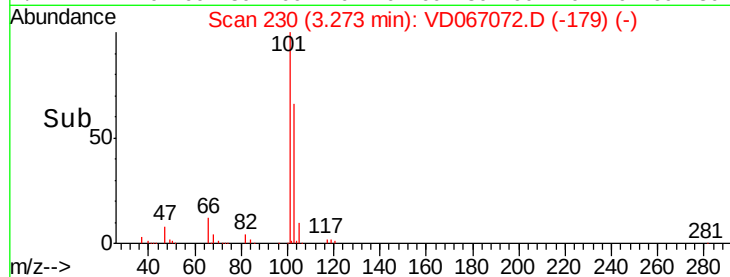
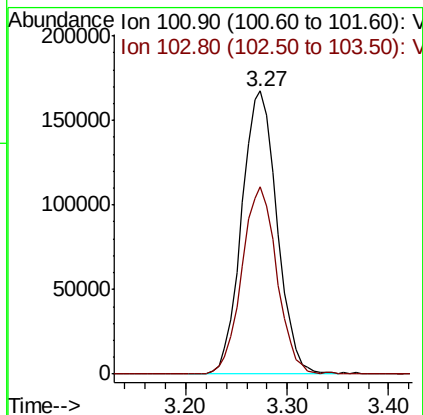
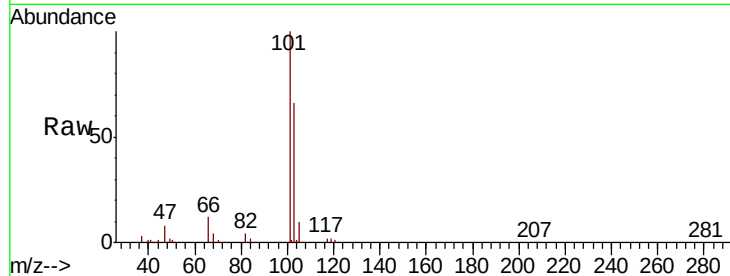


#7

Trichlorofluoromethane
Concen: 44.778 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067072.D
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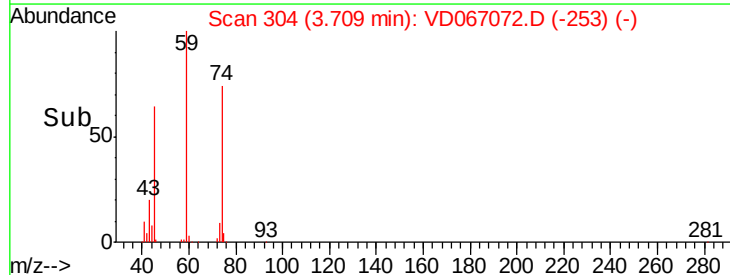
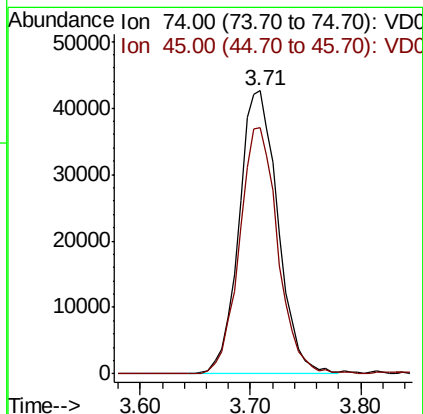
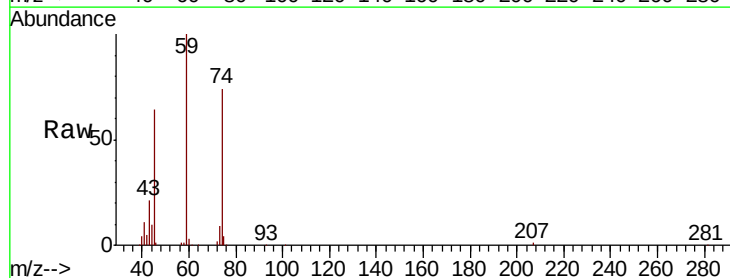
Tot Ion:101 Resp: 404289
Ion Ratio Lower Upper
101 100
103 66.1 49.8 74.8

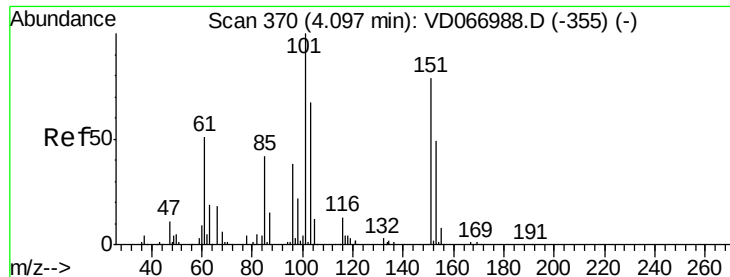


#8

Diethyl Ether
Concen: 47.018 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion: 74 Resp: 105269
Ion Ratio Lower Upper
74 100
45 85.8 43.1 129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.309 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

BFB

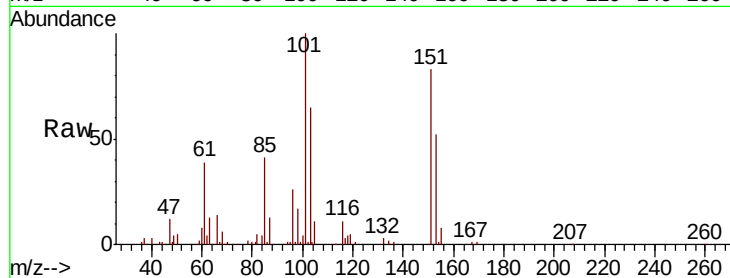
Tot Ion:101 Resp: 236320

Ion Ratio Lower Upper

101 100

85 41.6 33.8 50.8

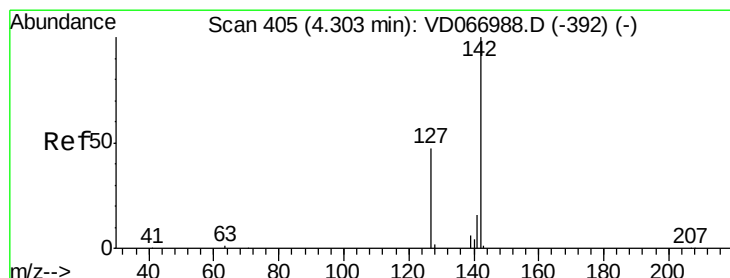
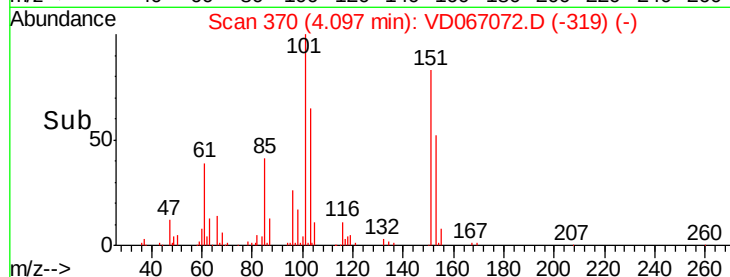
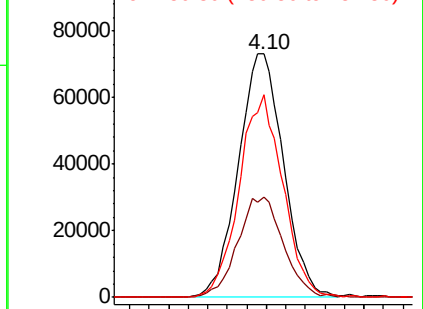
151 80.3 63.8 95.8



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: 45.984 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

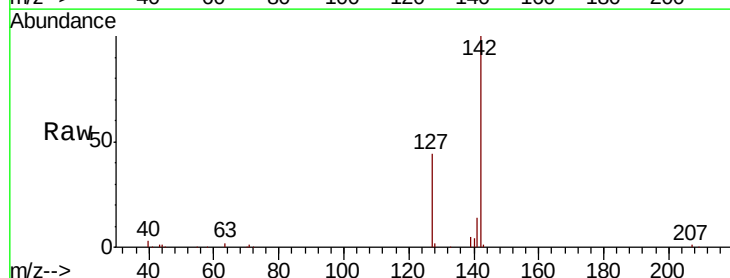
Tgt Ion:142 Resp: 228015

Ion Ratio Lower Upper

142 100

127 43.8 36.3 54.5

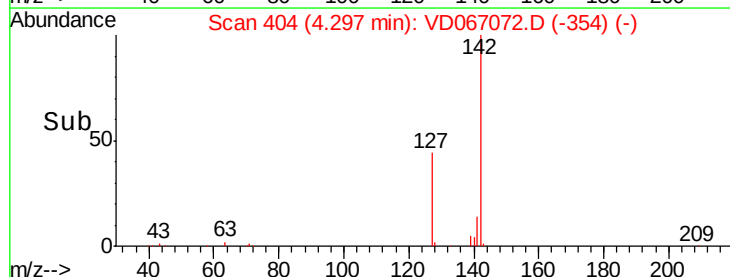
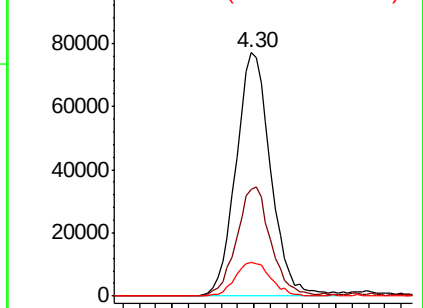
141 14.3 12.0 18.0

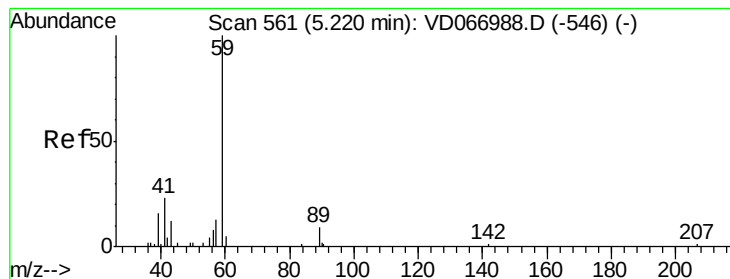


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 194.121 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

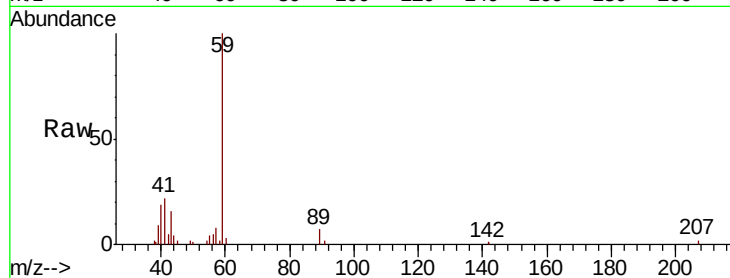
BFB

Tot Ion: 59 Resp: 58886

Ion Ratio Lower Upper

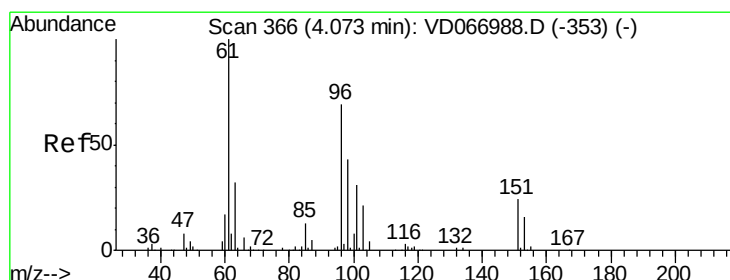
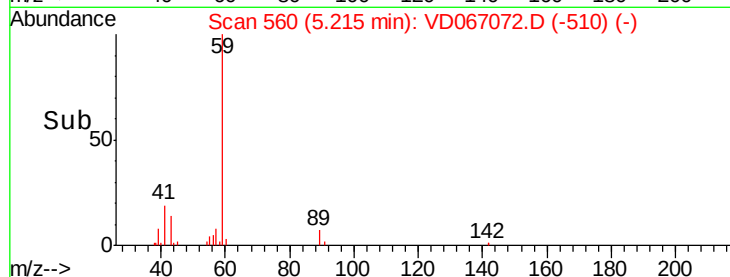
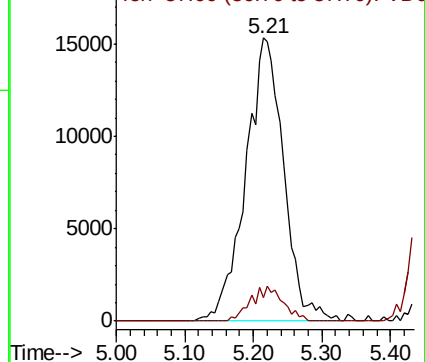
59 100

57 10.3 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 45.794 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

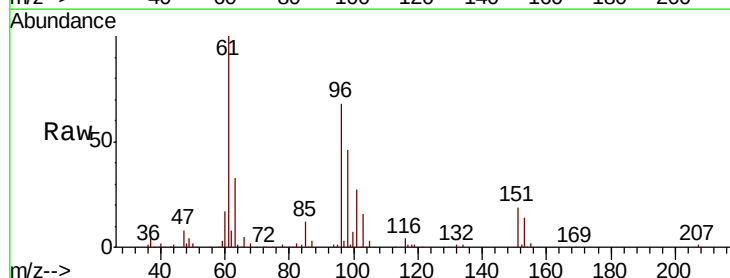
Tgt Ion: 96 Resp: 219688

Ion Ratio Lower Upper

96 100

61 147.4 116.4 174.6

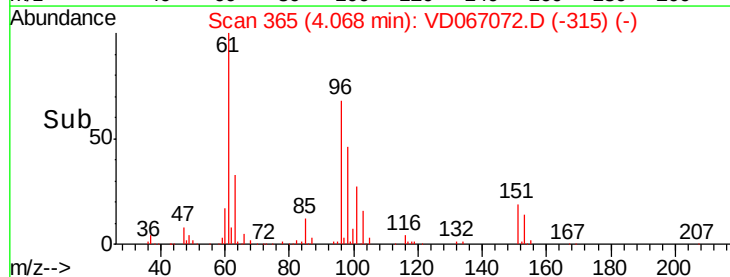
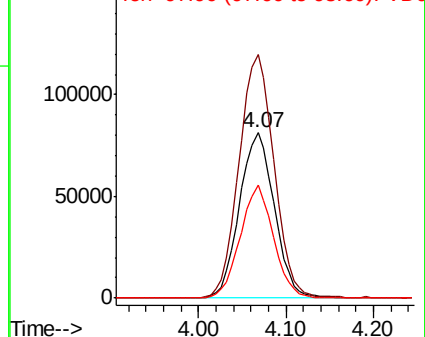
98 68.5 49.9 74.9

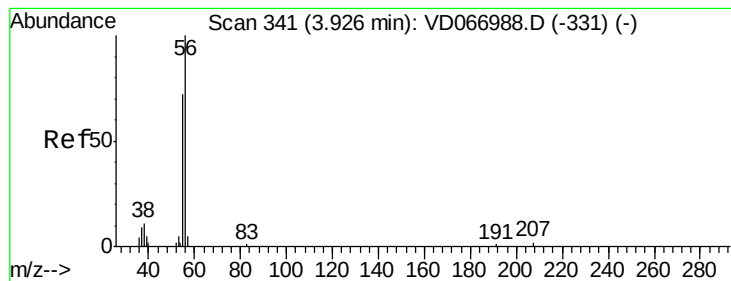


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 194.448 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampled :

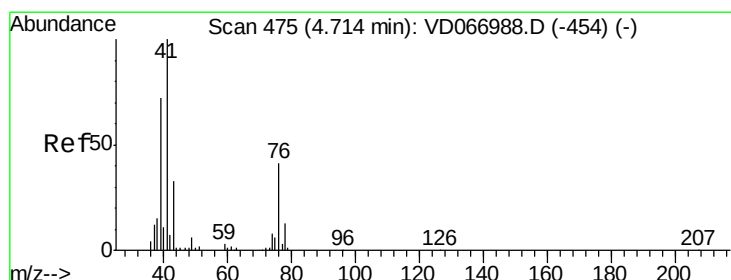
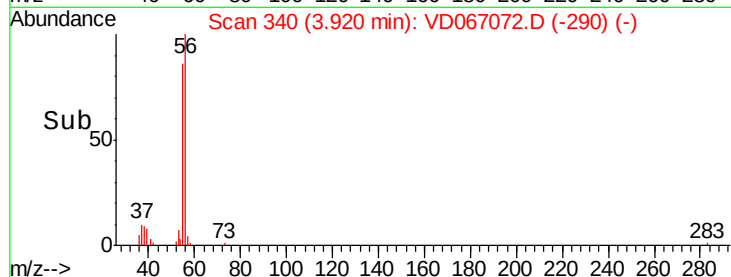
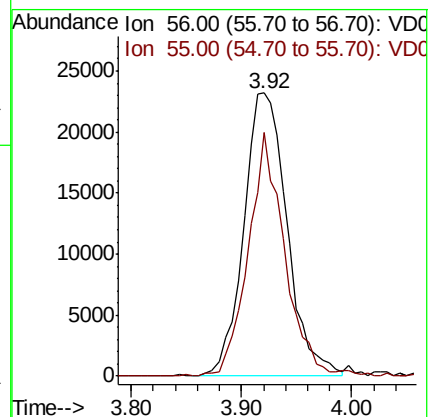
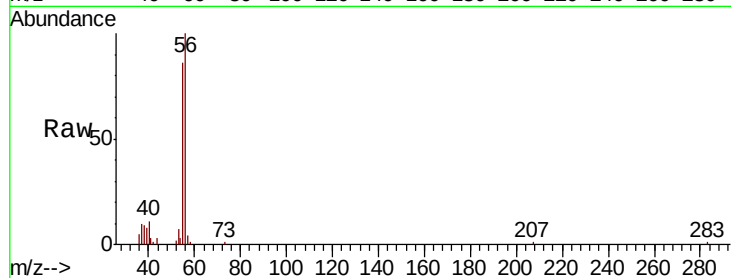
BFB

Tot Ion: 56 Resp: 63822

Ion Ratio Lower Upper

56 100

55 71.5 56.9 85.3



#14

Allyl chloride

Concen: 48.157 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

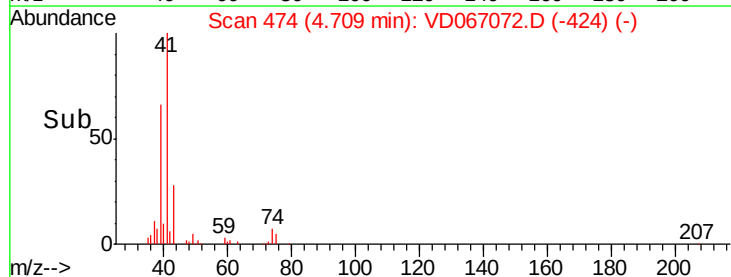
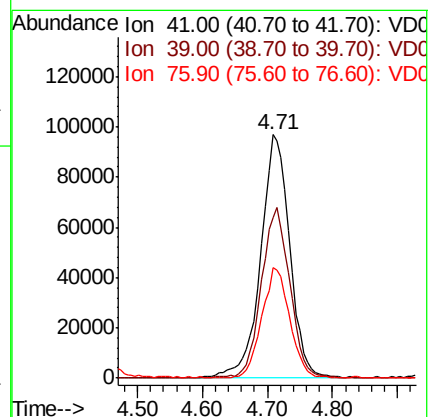
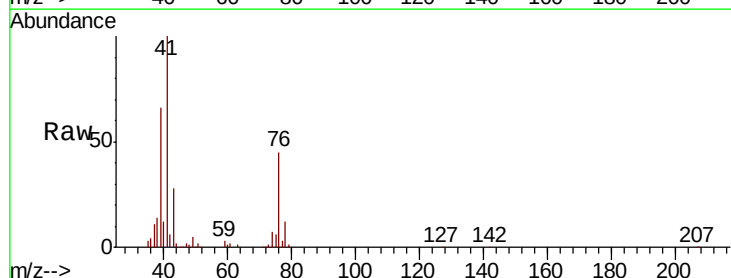
Tgt Ion: 41 Resp: 300125

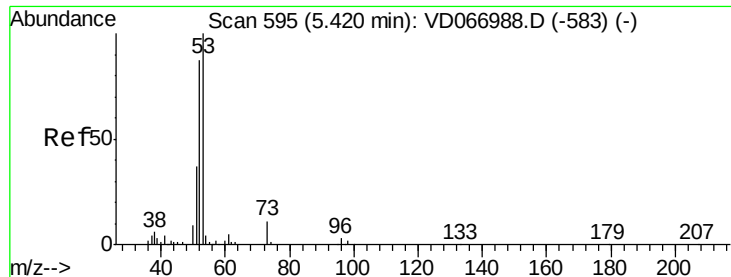
Ion Ratio Lower Upper

41 100

39 68.7 56.2 84.2

76 43.8 34.2 51.2





#15

Acrylonitrile

Concen: 224.117 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

BFB

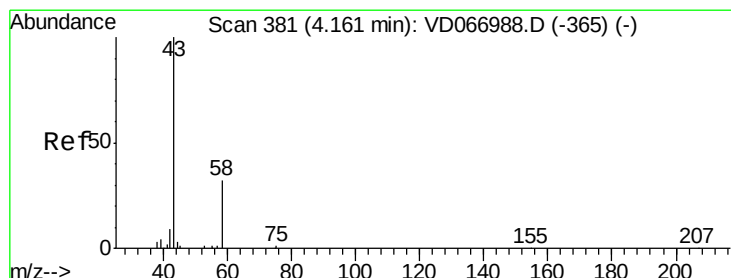
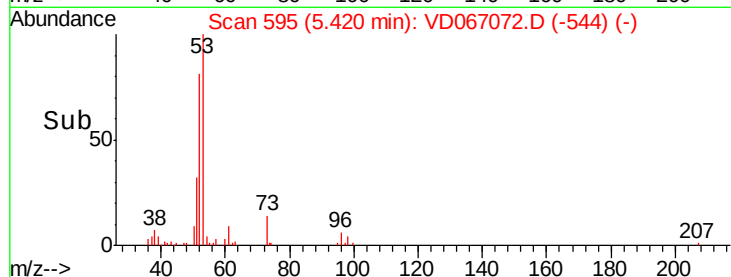
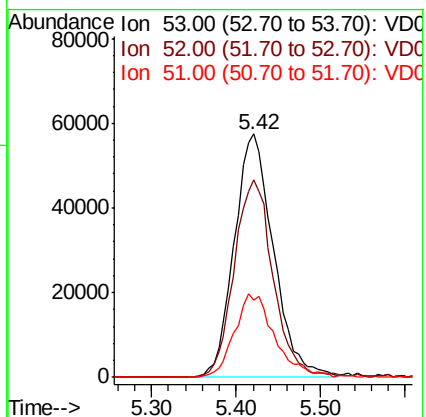
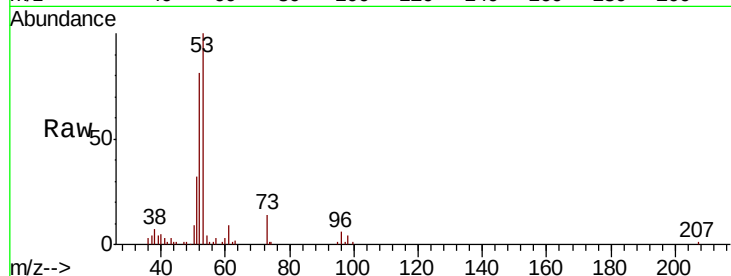
Tot Ion: 53 Resp: 184678

Ion Ratio Lower Upper

53 100

52 80.7 67.3 100.9

51 35.4 30.2 45.2



#16

Acetone

Concen: 289.335 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067072.D

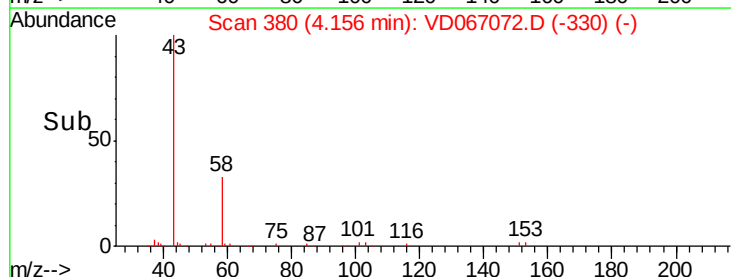
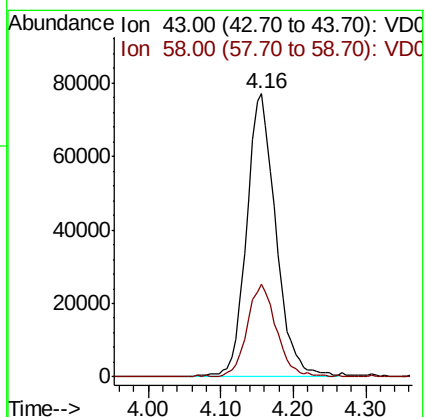
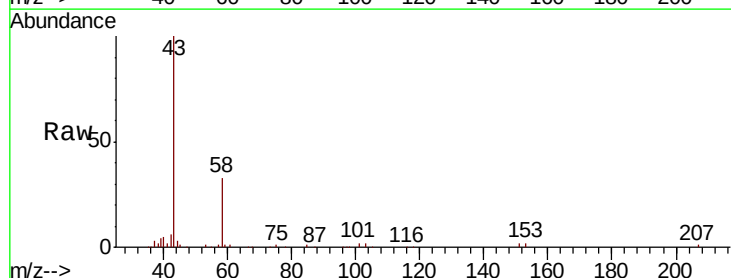
Acq: 05 Oct 2020 09:48

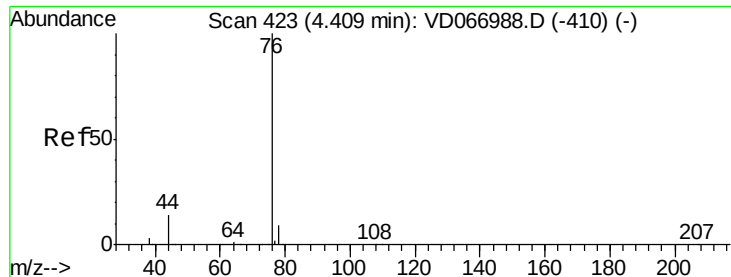
Tgt Ion: 43 Resp: 216497

Ion Ratio Lower Upper

43 100

58 32.6 25.9 38.9

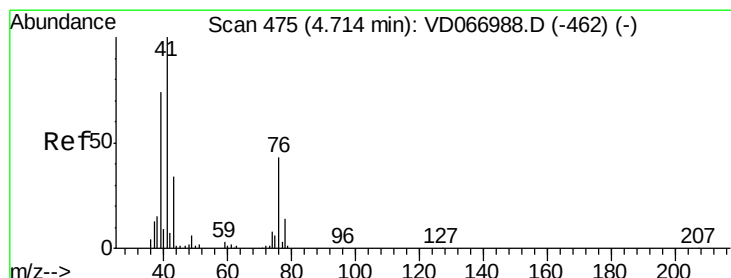
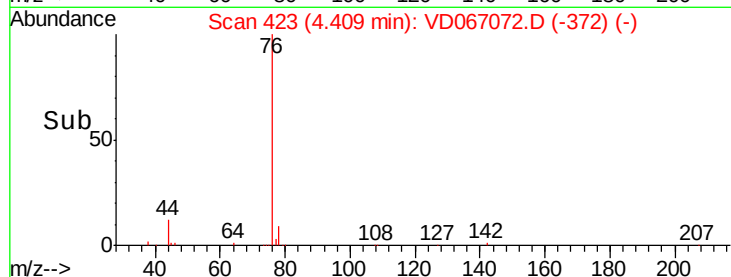
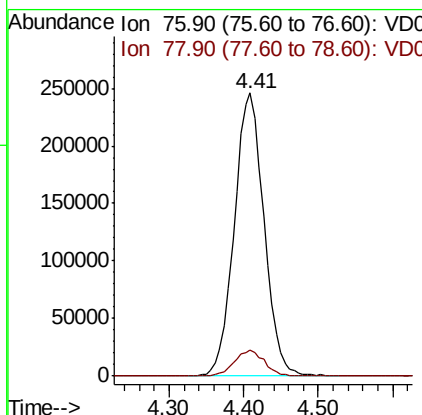
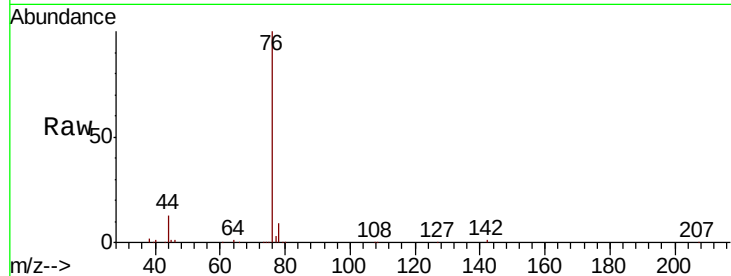




#17
Carbon Disulfide
Concen: 46.194 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

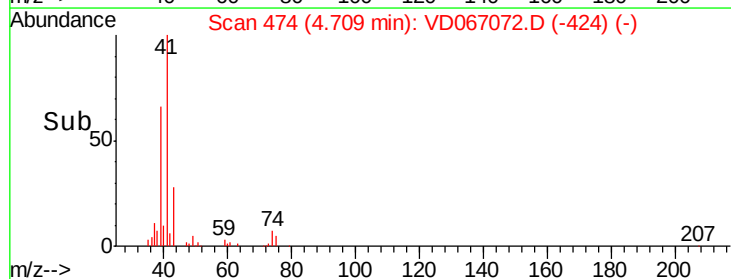
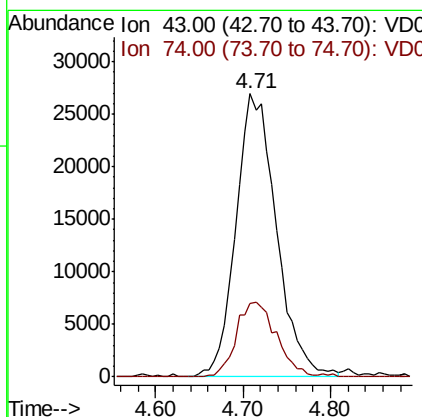
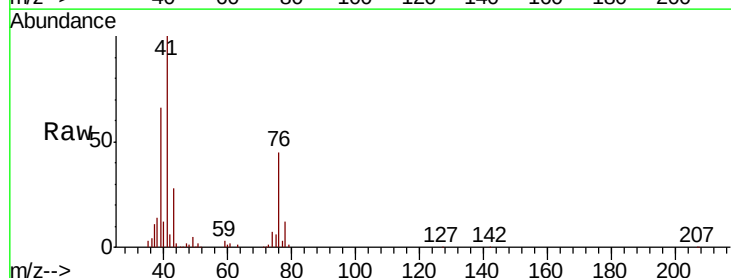
Instrument :
MSVOA_D
ClientSampled :
BFB

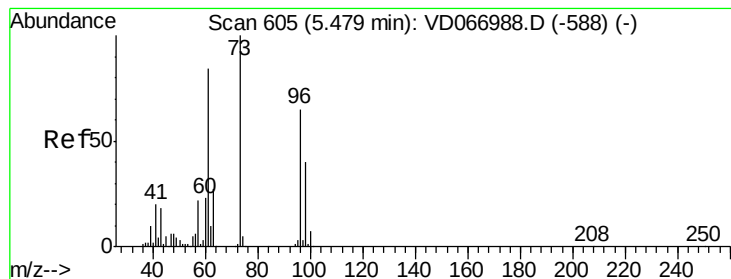
Tot Ion: 76 Resp: 680100
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#18
Methyl Acetate
Concen: 45.022 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion: 43 Resp: 84669
Ion Ratio Lower Upper
43 100
74 26.2 21.5 32.3



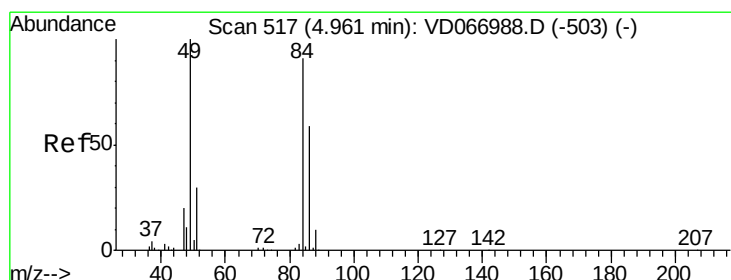
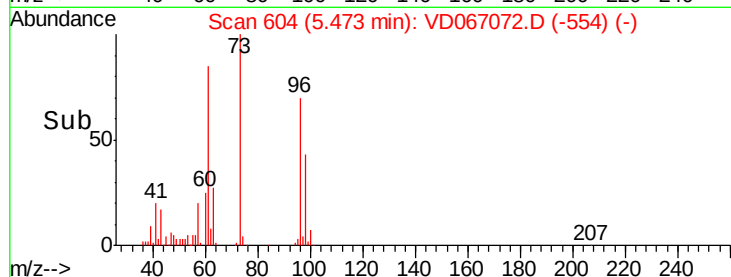
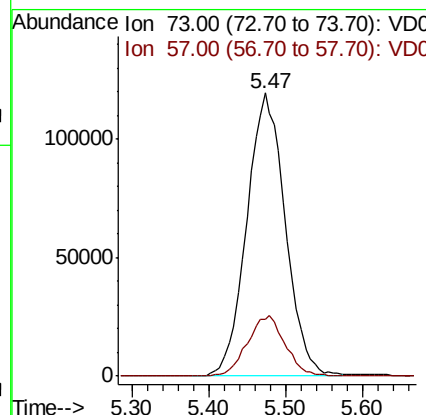
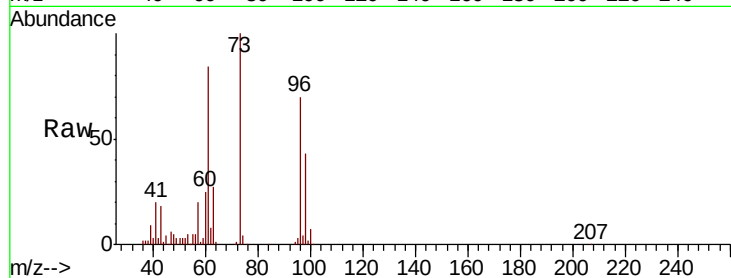


#19

Methyl tert-butyl Ether
 Concen: 47.724 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

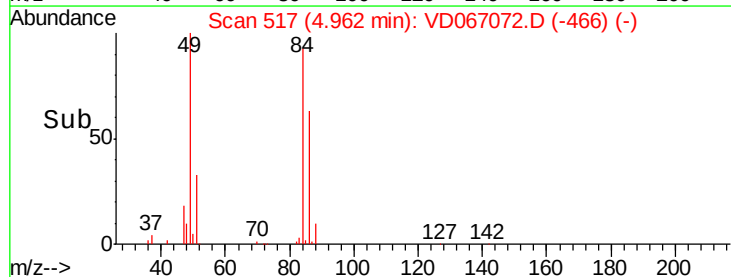
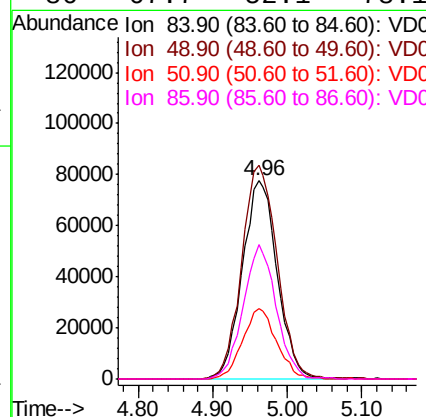
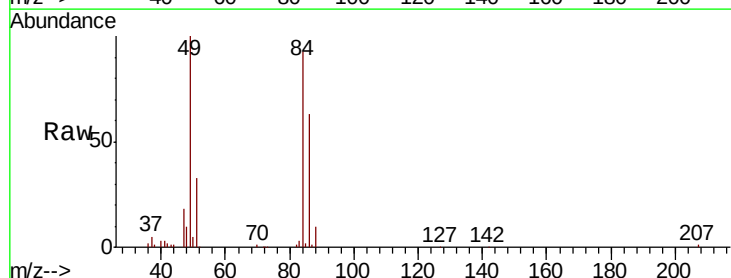
Tot Ion: 73 Resp: 417948
 Ion Ratio Lower Upper
 73 100
 57 19.9 17.4 26.0

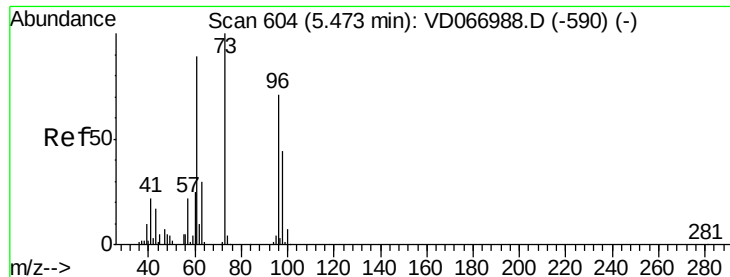


#20

Methylene Chloride
 Concen: 47.070 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion: 84 Resp: 252196
 Ion Ratio Lower Upper
 84 100
 49 107.7 88.2 132.2
 51 35.6 26.6 39.8
 86 67.7 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 47.790 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

BFB

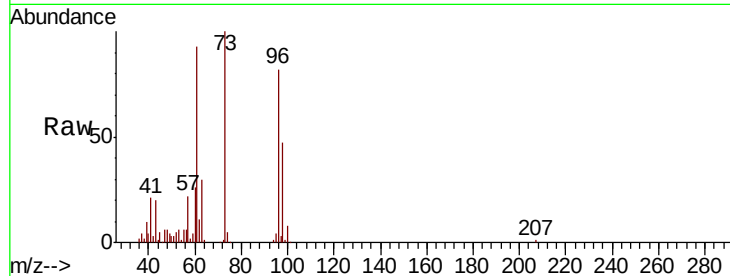
Tot Ion: 96 Resp: 260913

Ion Ratio Lower Upper

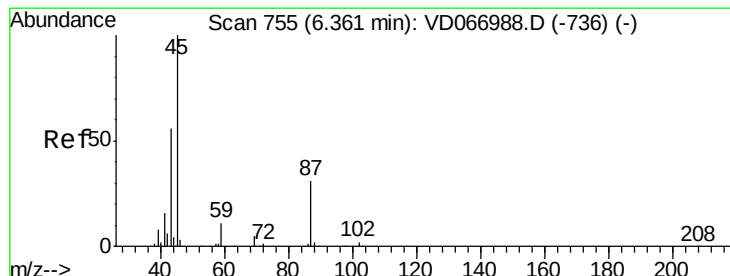
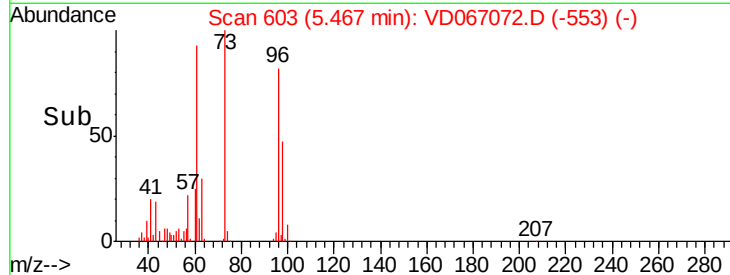
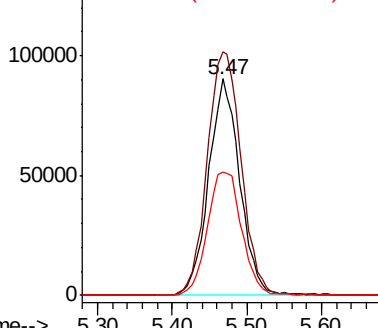
96 100

61 112.6 99.6 149.4

98 56.8 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: 47.596 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Tgt Ion: 45 Resp: 541533

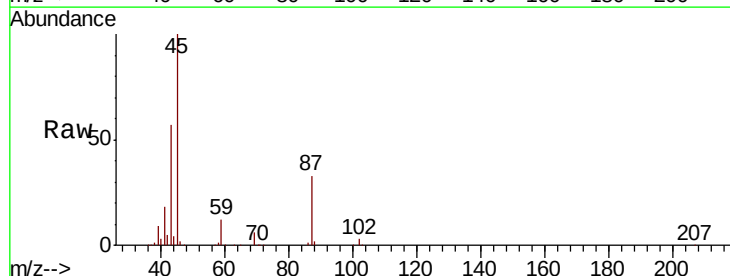
Ion Ratio Lower Upper

45 100

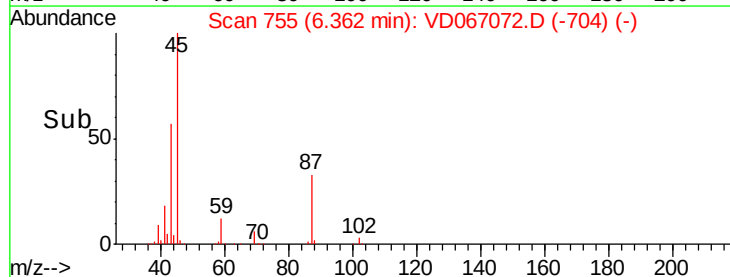
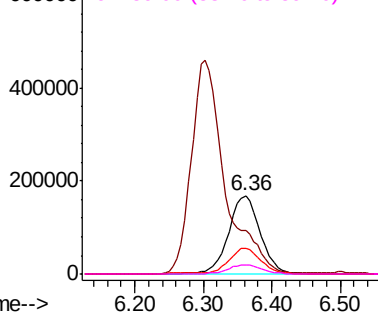
43 56.4 45.2 67.8

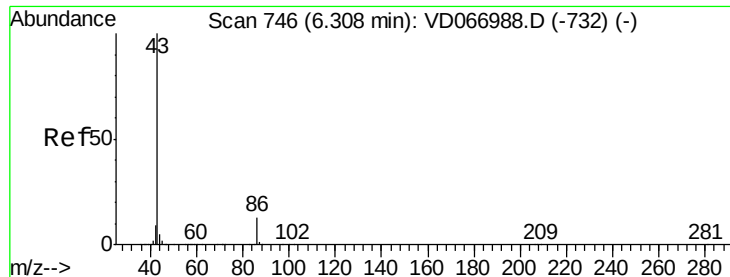
87 32.9 25.6 38.4

59 11.5 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: 244.064 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

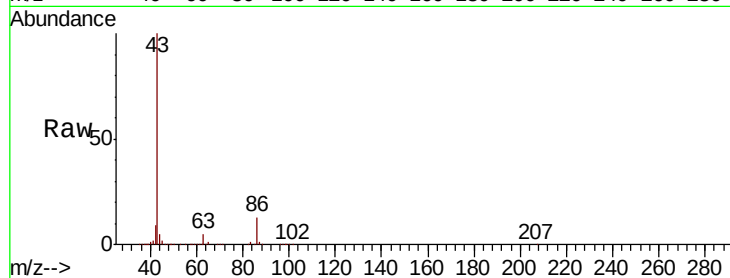
BFB

Tot Ion: 43 Resp: 1573561

Ion Ratio Lower Upper

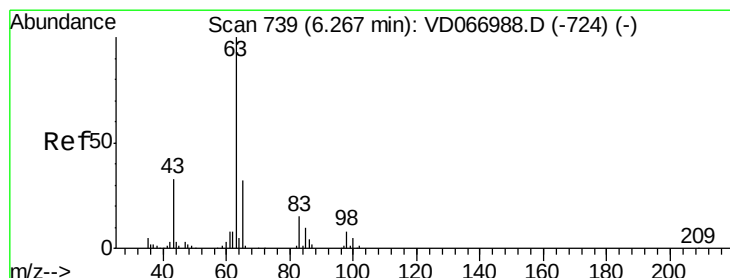
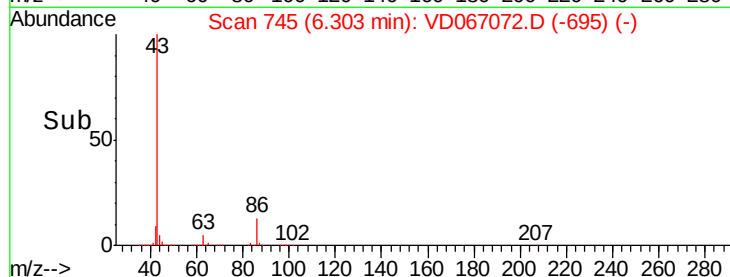
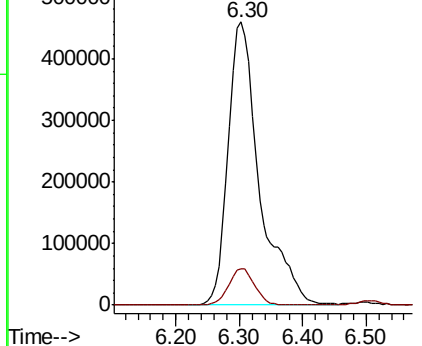
43 100

86 13.0 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 45.756 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

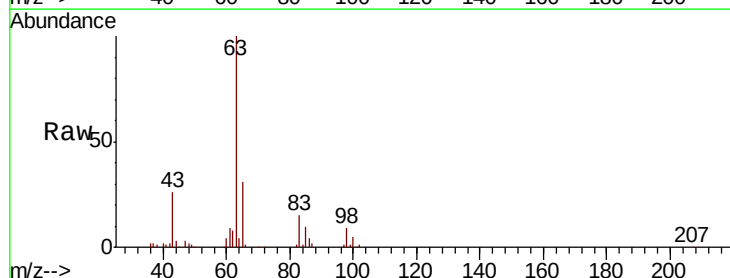
Tgt Ion: 63 Resp: 401771

Ion Ratio Lower Upper

63 100

98 8.8 4.2 12.6

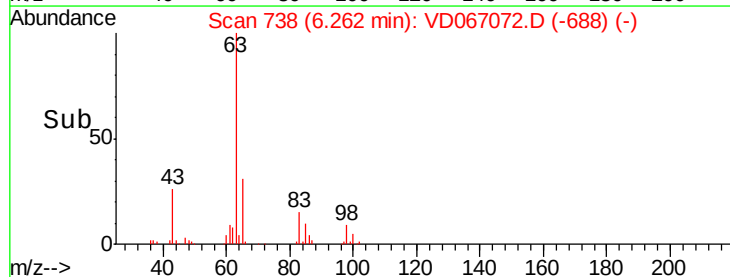
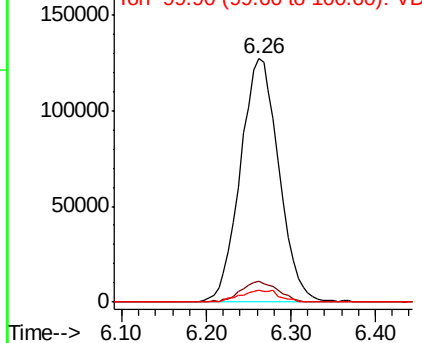
100 5.1 2.6 7.8

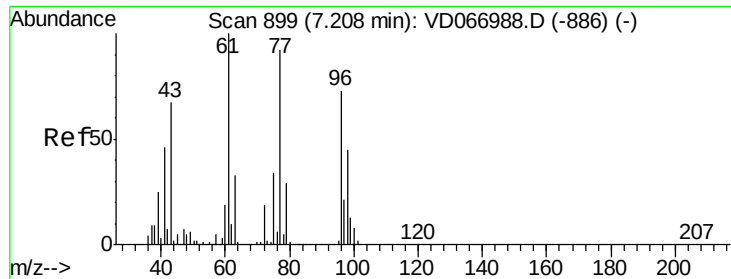


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 216.436 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

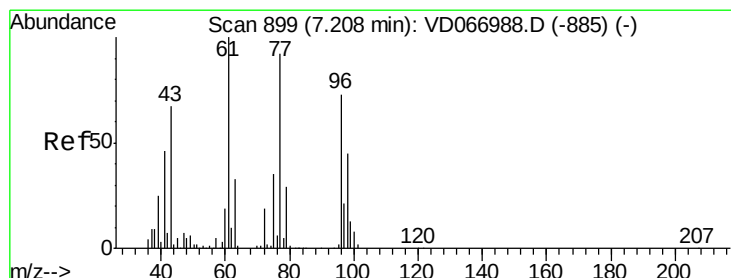
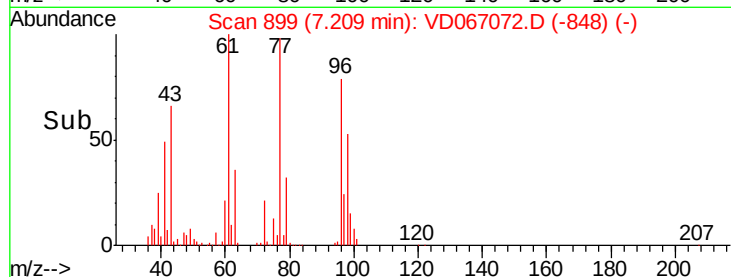
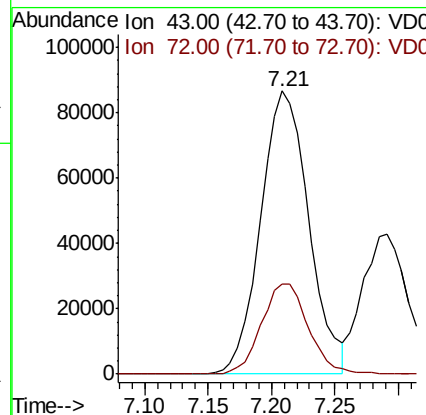
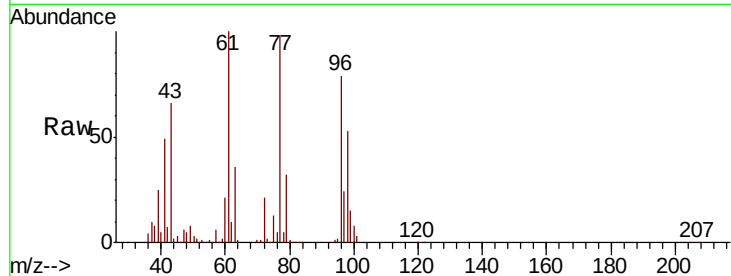
BFB

Tot Ion: 43 Resp: 229608

Ion Ratio Lower Upper

43 100

72 32.1 22.8 34.2



#26

2,2-Dichloropropane

Concen: 50.369 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067072.D

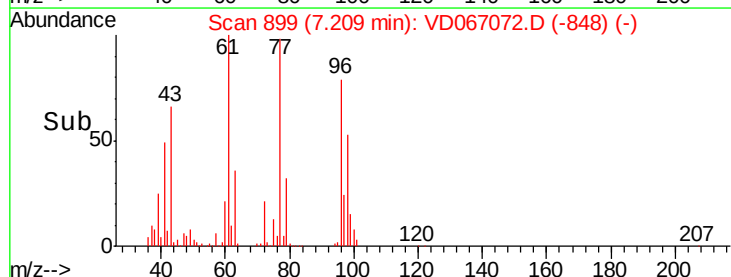
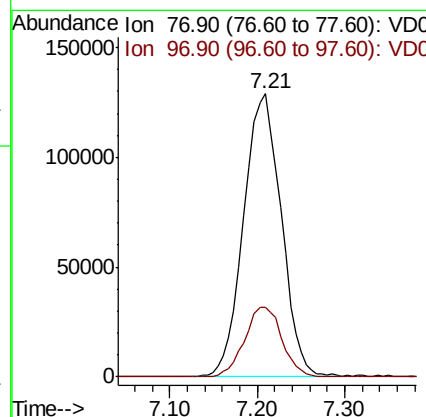
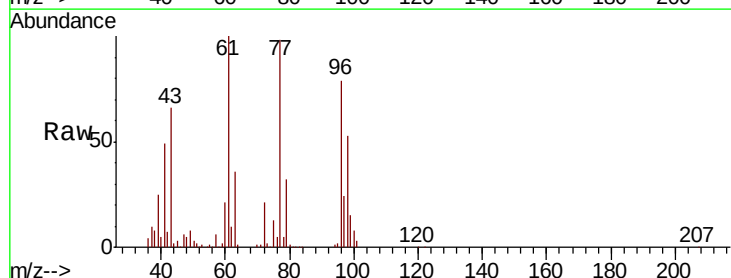
Acq: 05 Oct 2020 09:48

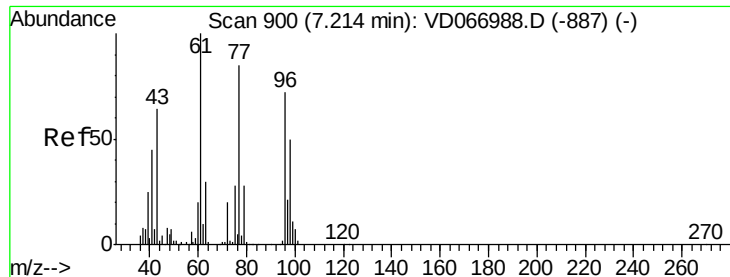
Tgt Ion: 77 Resp: 377962

Ion Ratio Lower Upper

77 100

97 24.4 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 47.264 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampled :

BFB

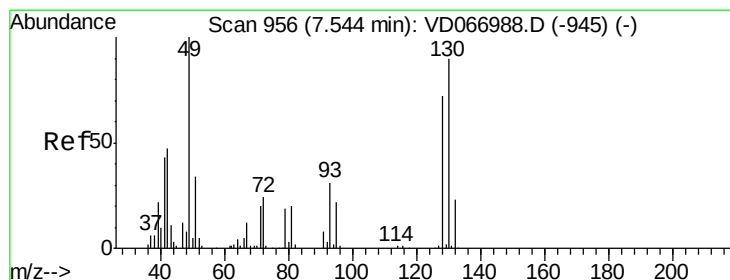
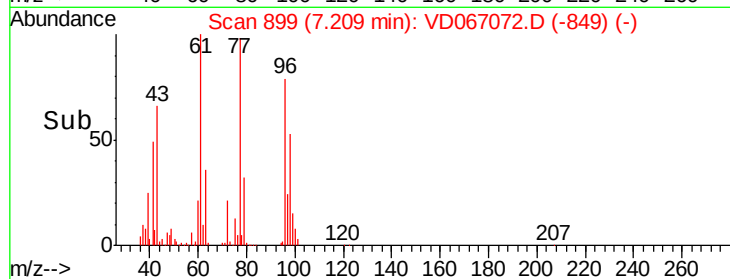
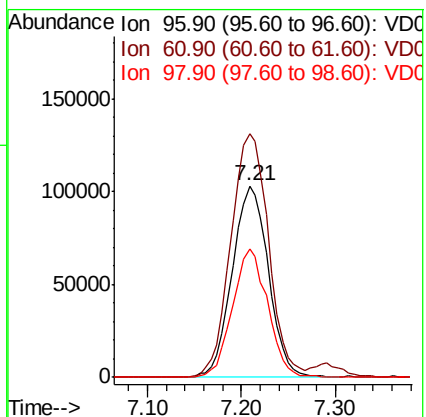
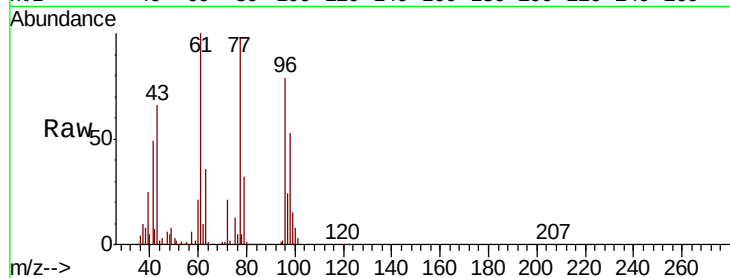
Tot Ion: 96 Resp: 275586

Ion Ratio Lower Upper

96 100

61 132.7 0.0 269.2

98 65.3 0.0 129.4



#28

Bromochloromethane

Concen: 46.421 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

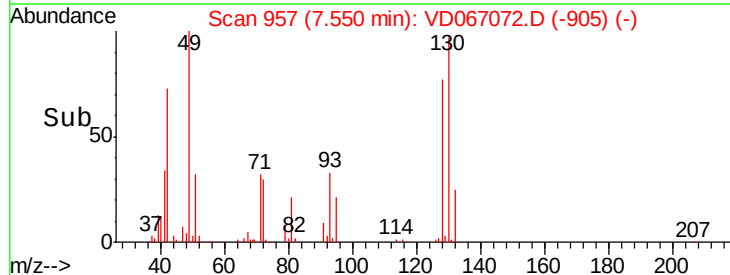
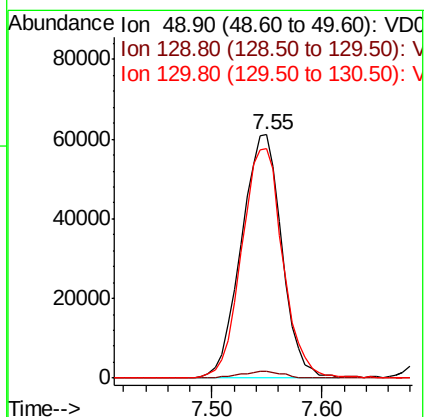
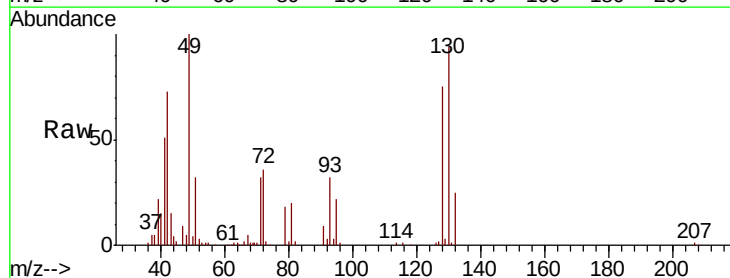
Tgt Ion: 49 Resp: 157415

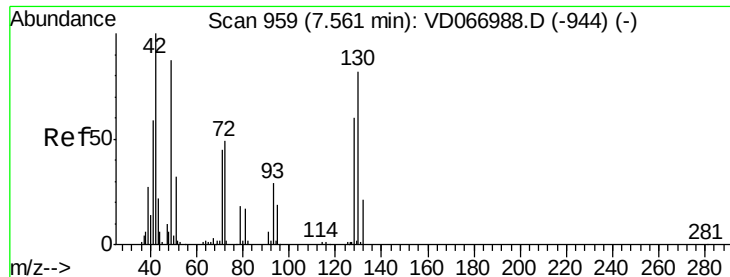
Ion Ratio Lower Upper

49 100

129 2.7 0.0 4.6

130 95.9 74.1 111.1





#29

Tetrahydrofuran

Concen: 225.394 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

BFB

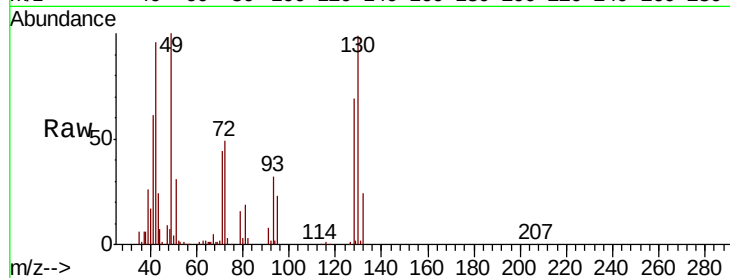
Tot Ion: 42 Resp: 137487

Ion Ratio Lower Upper

42 100

72 49.6 39.1 58.7

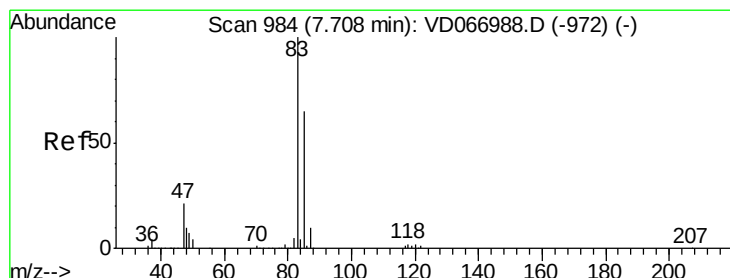
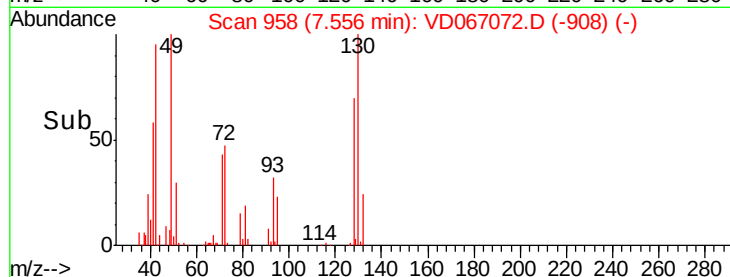
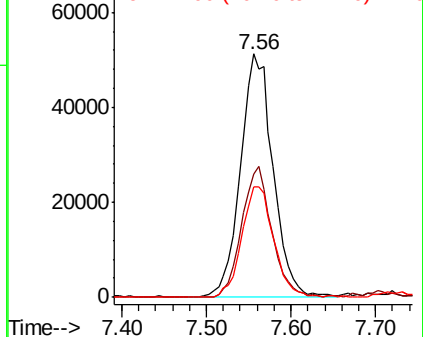
71 44.7 34.2 51.4



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: 46.490 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.00 min

Lab File: VD067072.D

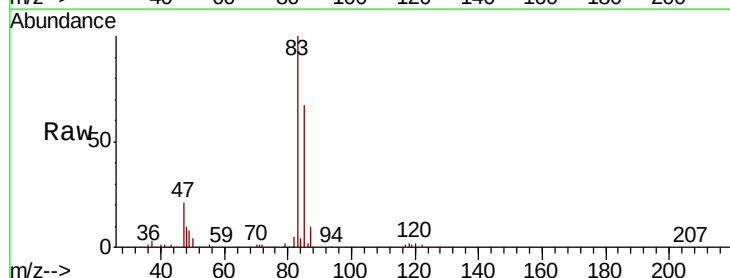
Acq: 05 Oct 2020 09:48

Tgt Ion: 83 Resp: 442826

Ion Ratio Lower Upper

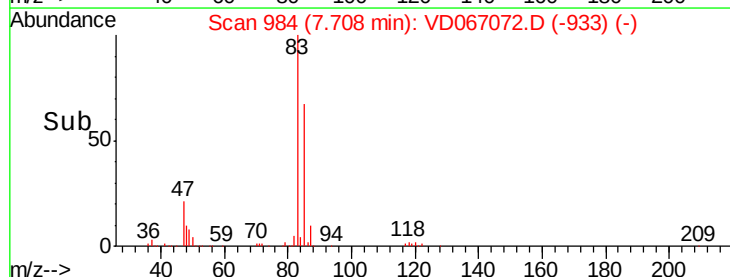
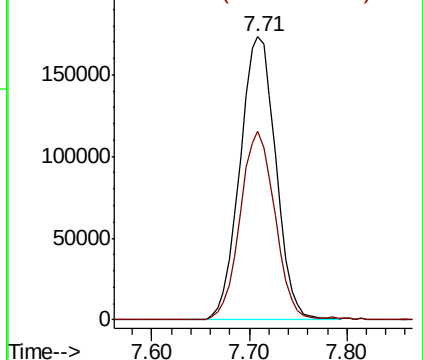
83 100

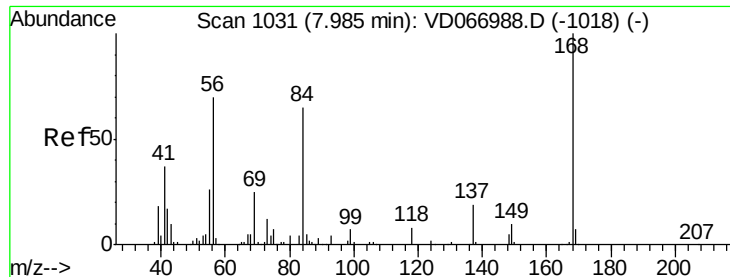
85 66.9 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

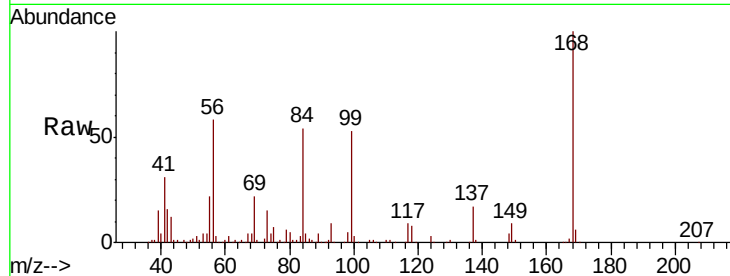




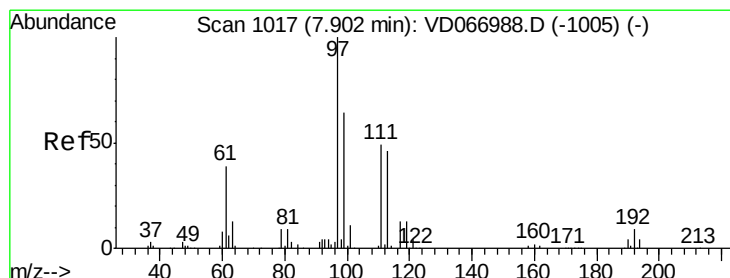
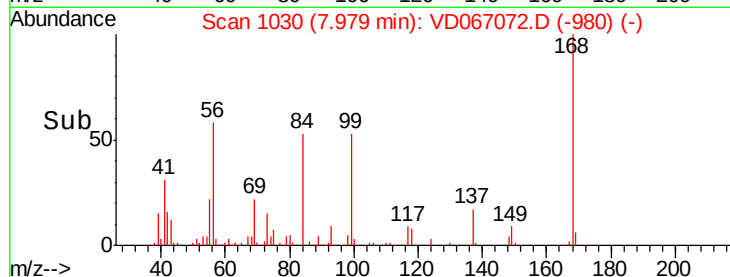
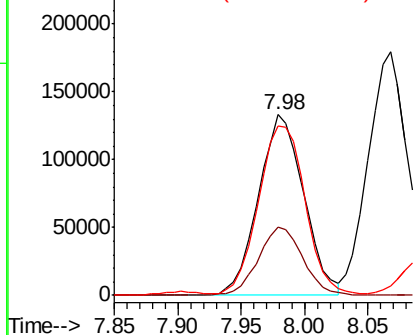
#31
Cyclohexane
Concen: 45.080 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampled :
BFB

Tot Ion: 56 Resp: 331851
Ion Ratio Lower Upper
56 100
69 37.8 29.0 43.6
84 92.3 74.2 111.2

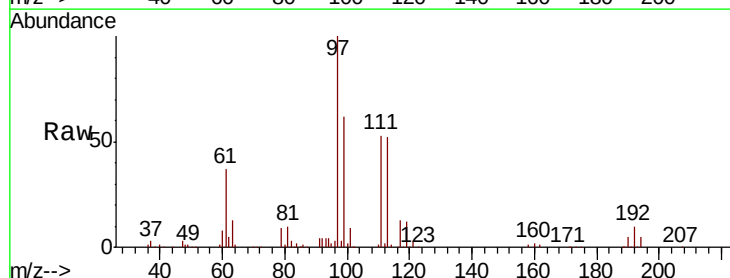


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

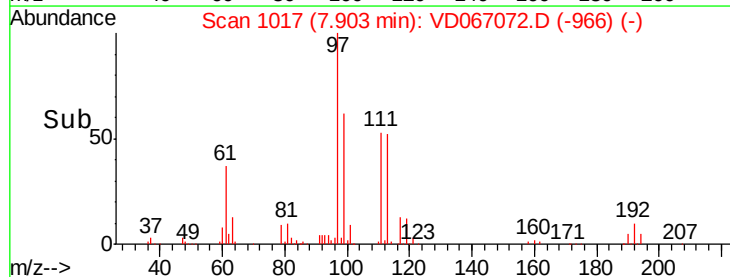
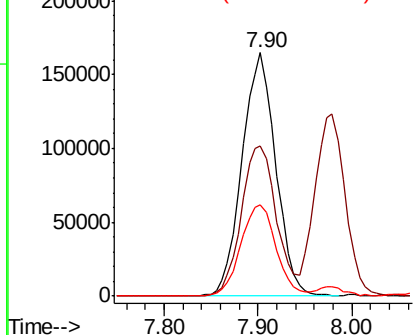


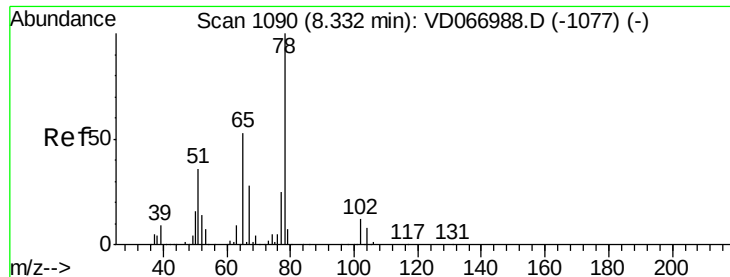
#32
1,1,1-Trichloroethane
Concen: 46.458 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion: 97 Resp: 410118
Ion Ratio Lower Upper
97 100
99 64.9 52.6 78.8
61 39.4 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

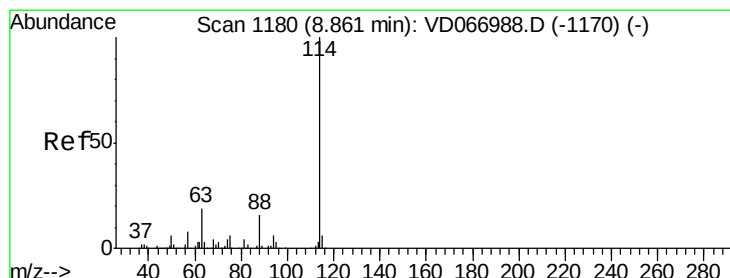
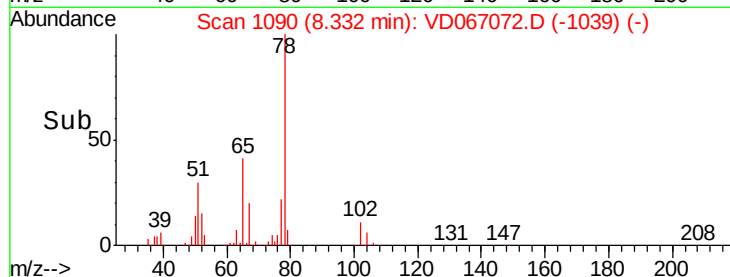
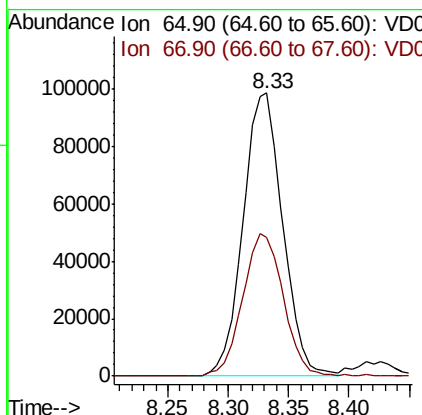
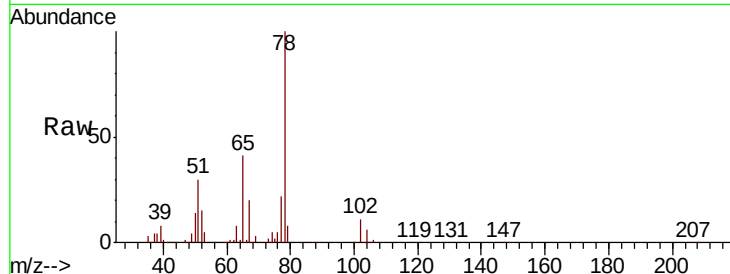




#33
 1,2-Dichloroethane-d4
 Concen: 45.816 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

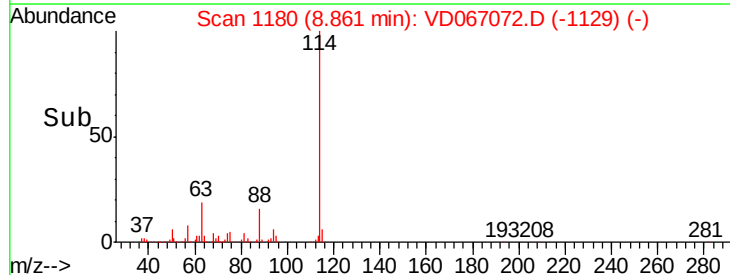
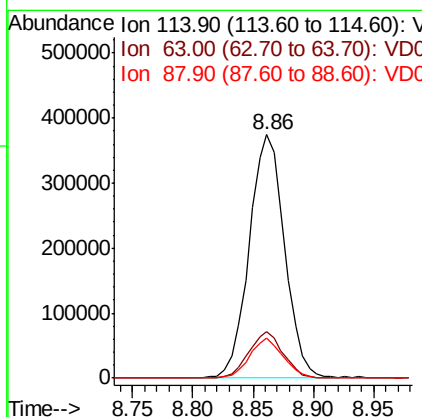
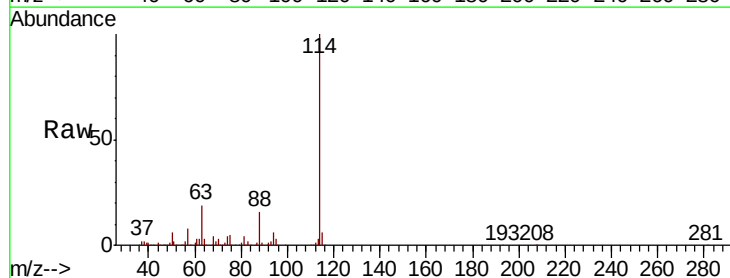
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

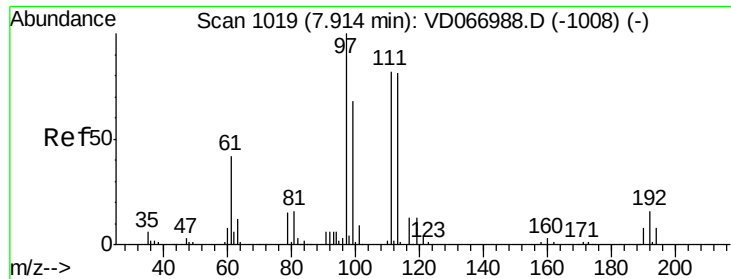
Tot Ion: 65 Resp: 224580
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion: 114 Resp: 762172
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.4
 88 16.4 0.0 31.2

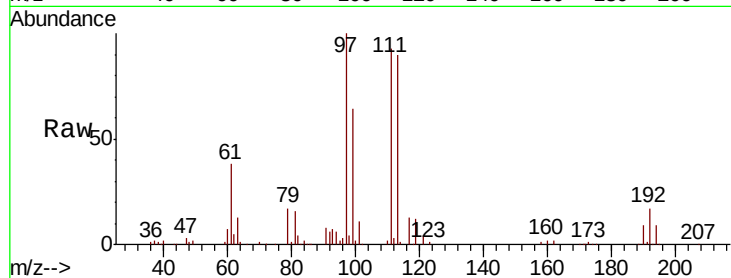




#35
Dibromofluoromethane
Concen: 50.426 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	83.0	124.4
192	19.3	15.5	23.3

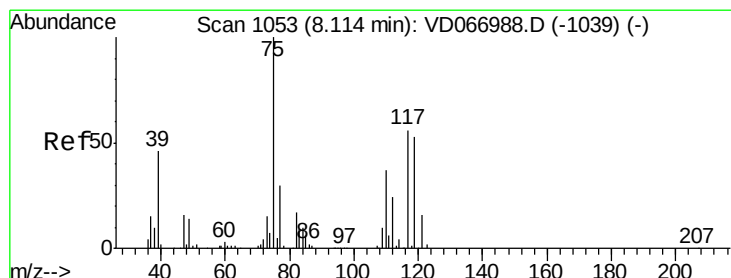
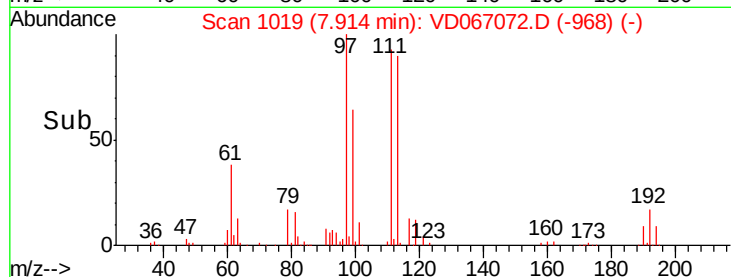
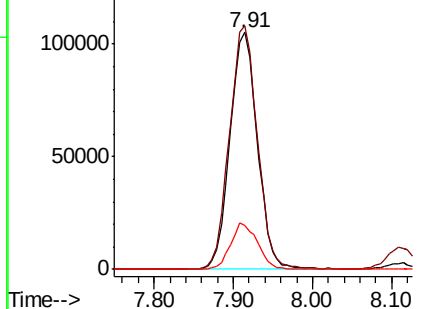


Abundance

Ion 112.80 (112.50 to 113.50): V

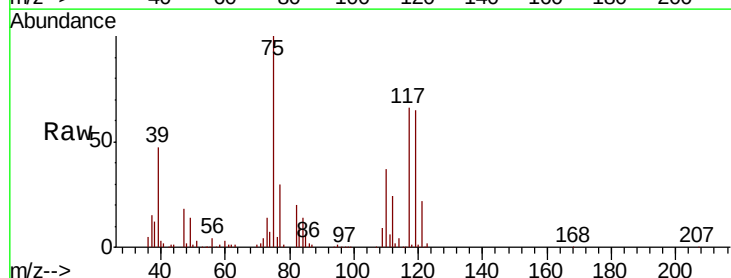
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 47.950 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	18.4	55.0
77	30.6	24.8	37.2

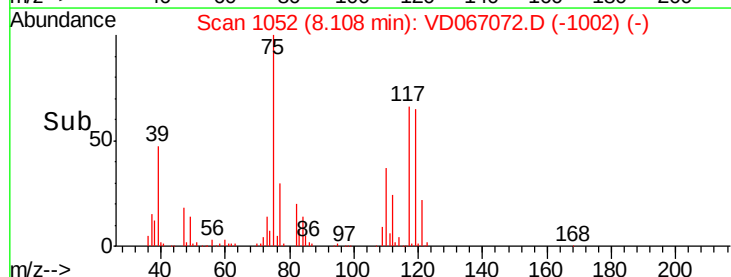
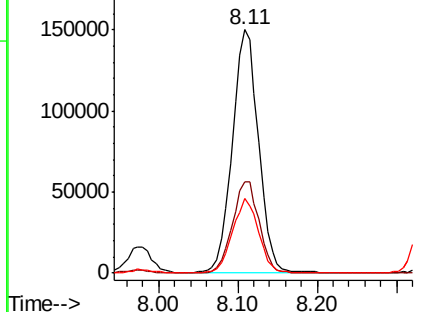


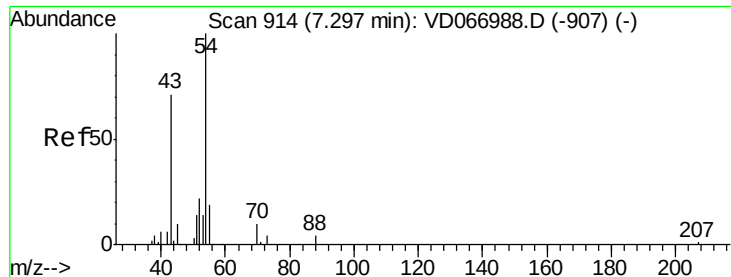
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 44.953 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

BFB

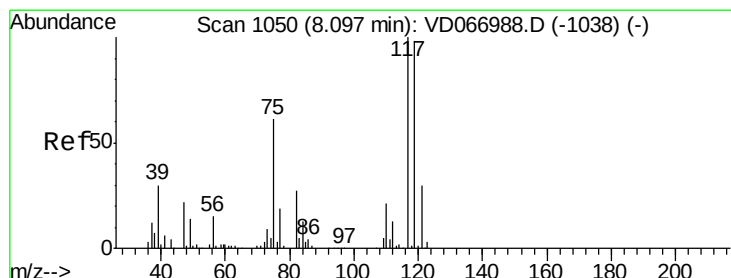
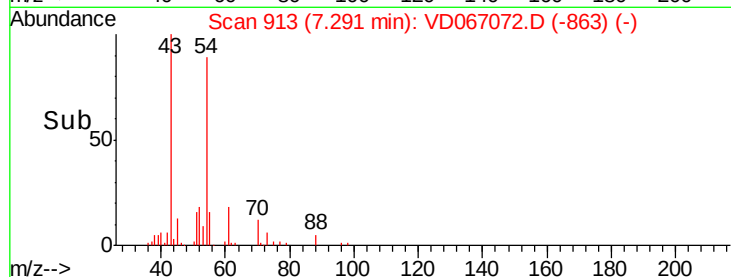
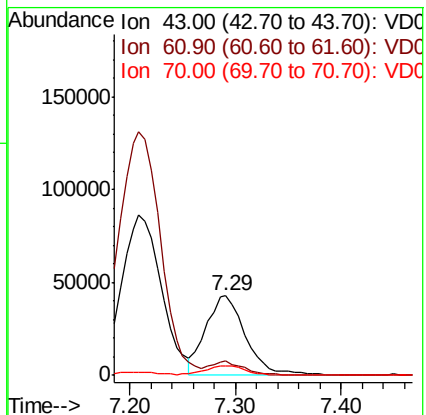
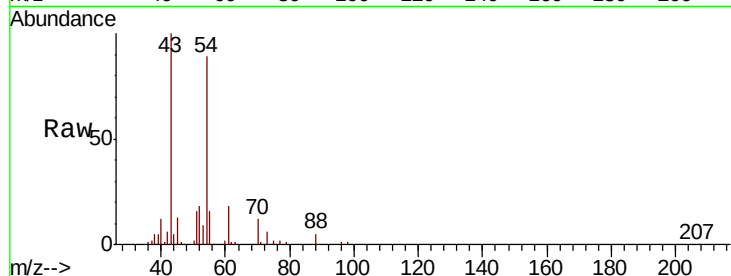
Tot Ion: 43 Resp: 110634

Ion Ratio Lower Upper

43 100

61 14.7 12.5 18.7

70 12.6 9.4 14.0



#38

Carbon Tetrachloride

Concen: 48.969 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

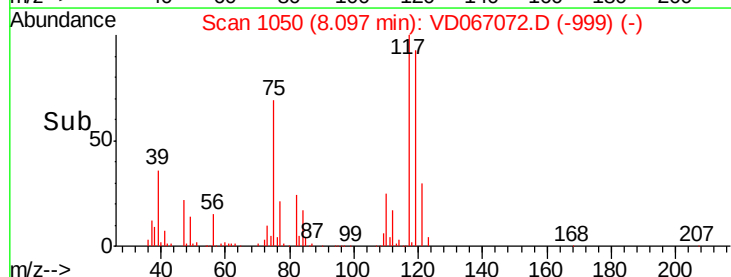
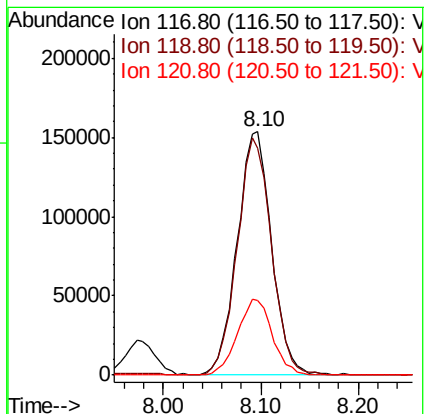
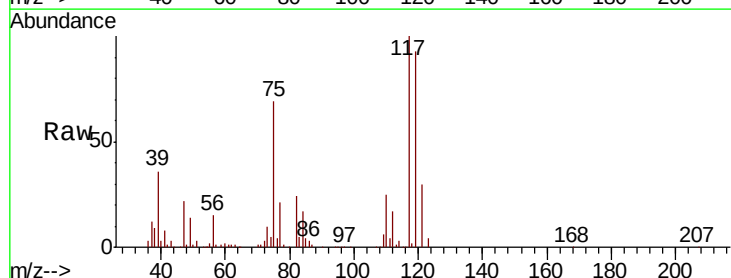
Tgt Ion: 117 Resp: 376409

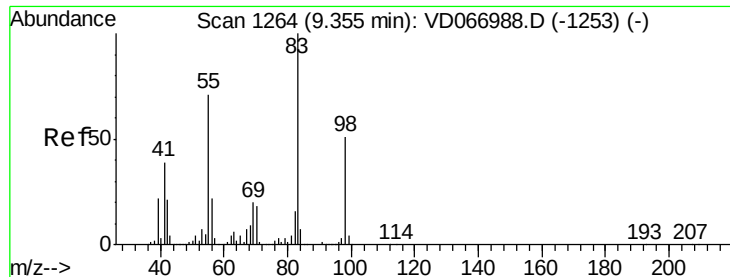
Ion Ratio Lower Upper

117 100

119 93.2 78.7 118.1

121 30.5 24.2 36.2

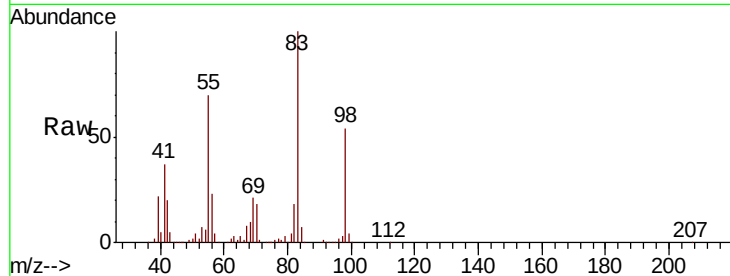




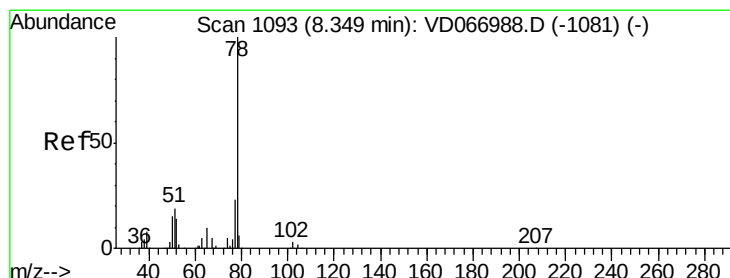
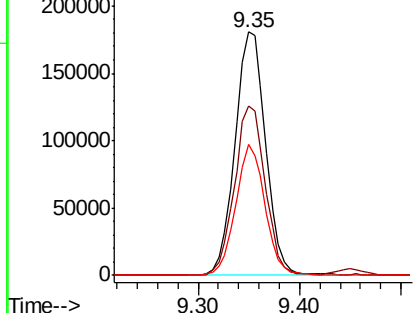
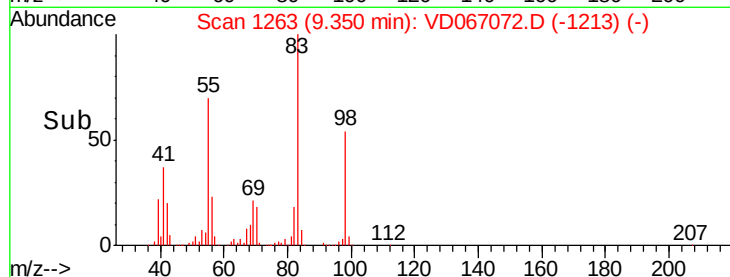
#39
Methylvlcyclohexane
Concen: 50.474 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tot Ion	83	Resp	379107
Ion	Ratio	Lower	Upper
83	100		
55	69.8	57.1	85.7
98	53.6	40.9	61.3

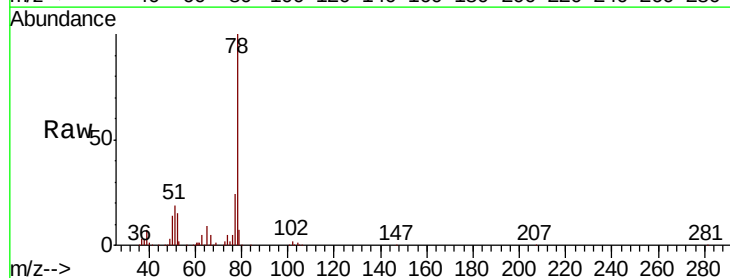


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

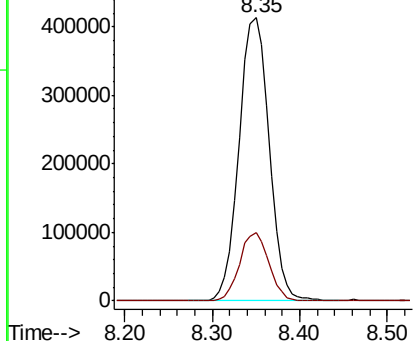
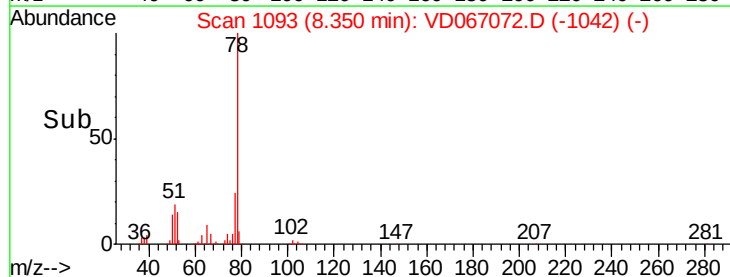


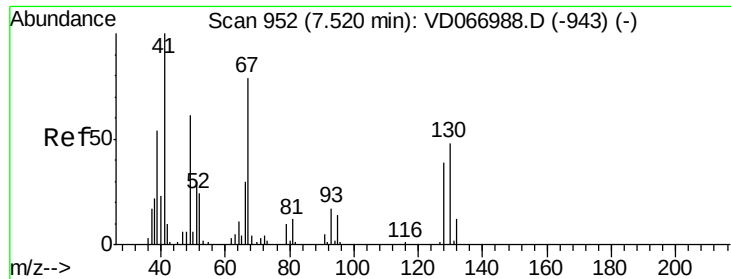
#40
Benzene
Concen: 48.759 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion	78	Resp	962146
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.4	27.6



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

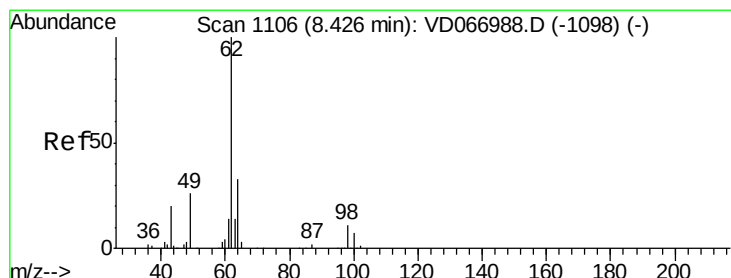
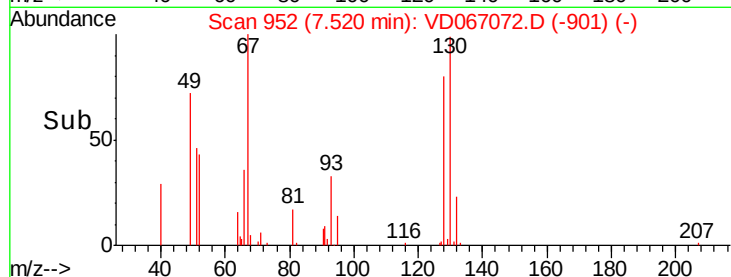
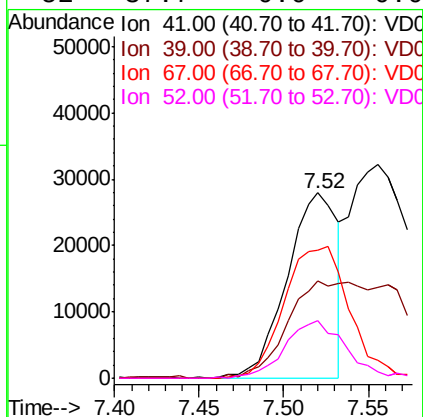
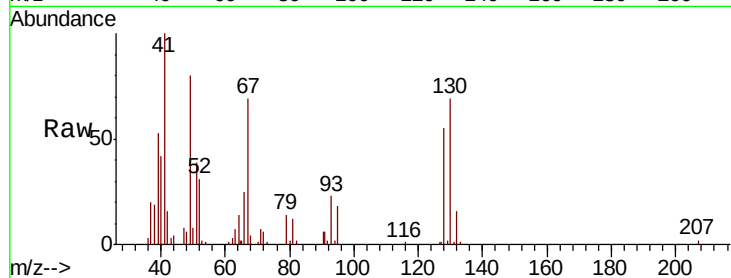




#41
Methacrylonitrile
Concen: 43.578 ug/l
RT: 7.52 min Scan# 952
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

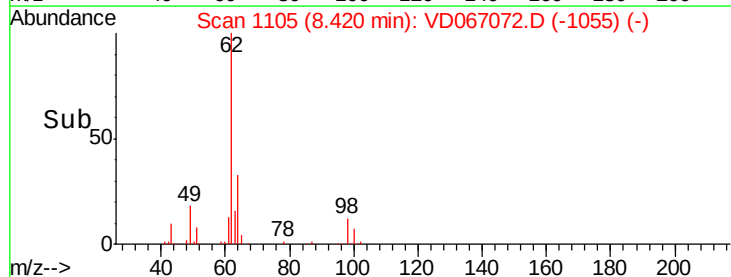
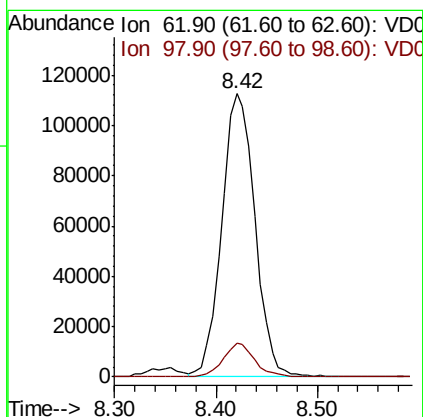
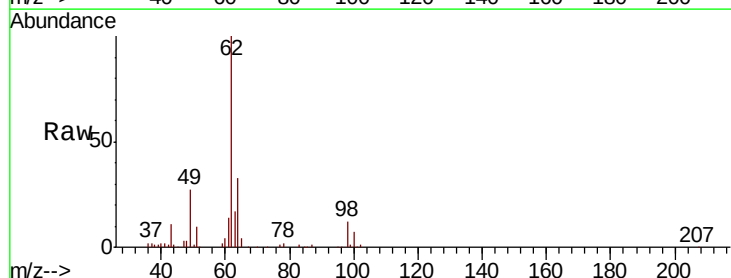
Instrument :
MSVOA_D
ClientSampled :
BFB

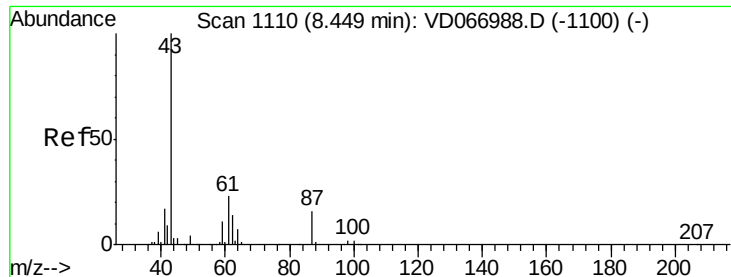
Tot Ion:	41	Resp:	57942
Ion	Ratio	Lower	Upper
41	100		
39	79.3	0.0	0.0#
67	91.8	0.0	0.0#
52	37.7	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 46.024 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion:	62	Resp:	253772
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	22.6





#43

Isopropyl Acetate

Concen: 45.204 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

BFB

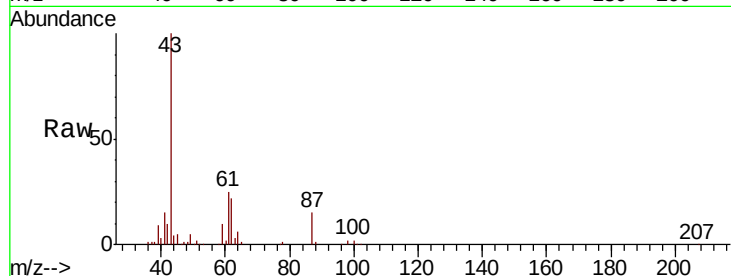
Tot Ion: 43 Resp: 204949

Ion Ratio Lower Upper

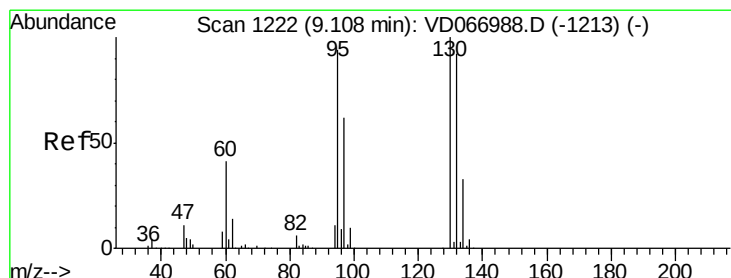
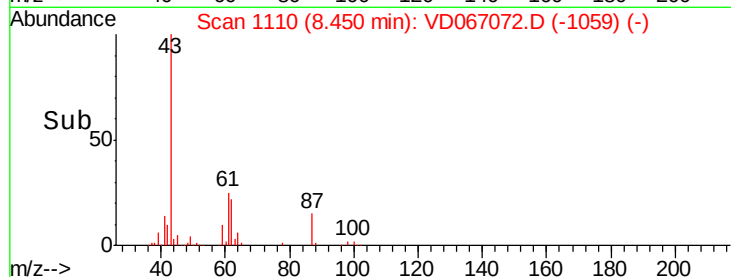
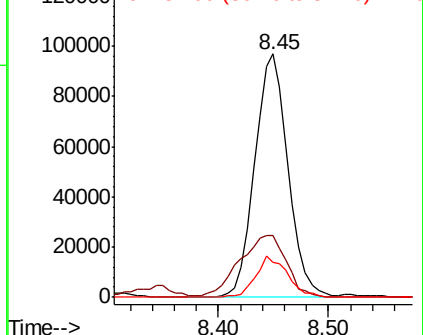
43 100

61 36.0 27.1 40.7

87 16.3 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: 49.617 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD067072.D

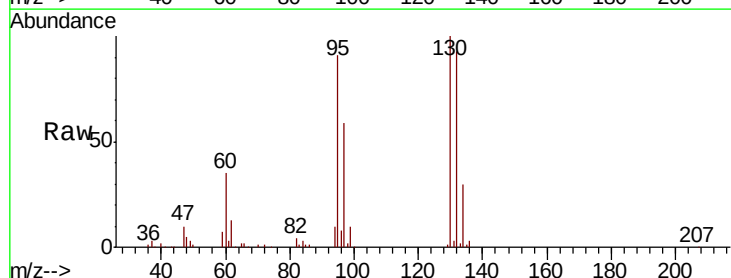
Acq: 05 Oct 2020 09:48

Tgt Ion:130 Resp: 292360

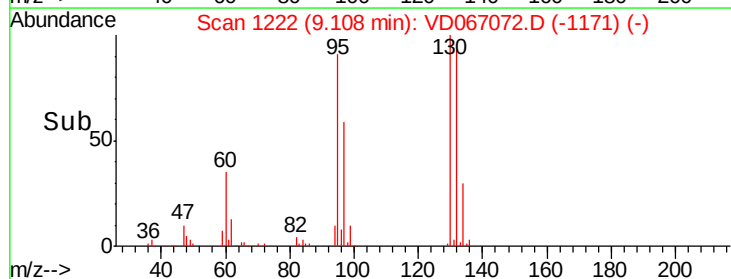
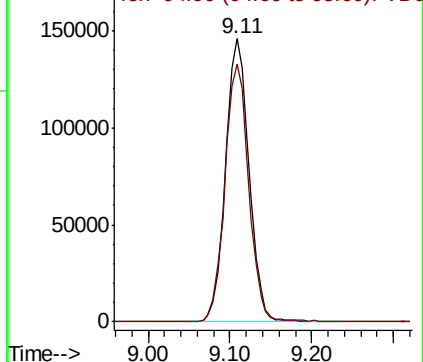
Ion Ratio Lower Upper

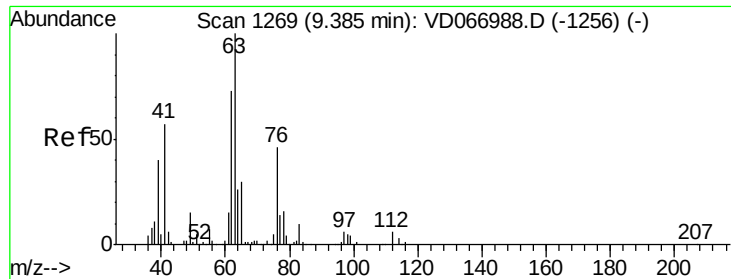
130 100

95 91.1 0.0 187.8



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

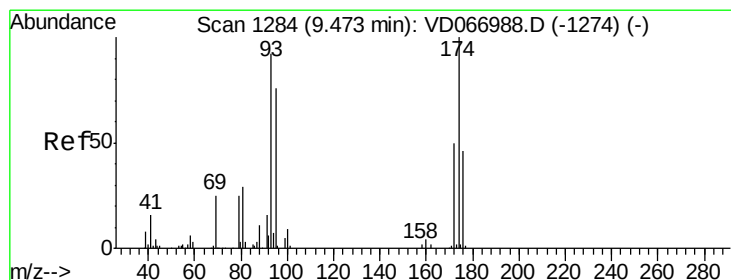
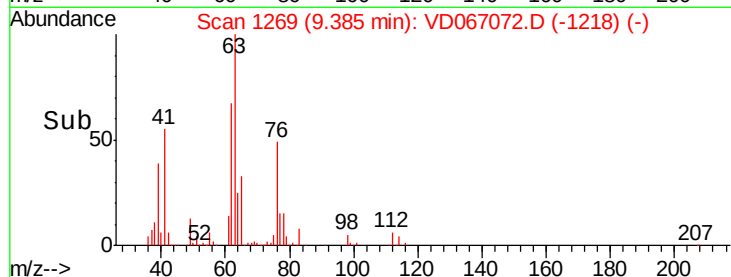
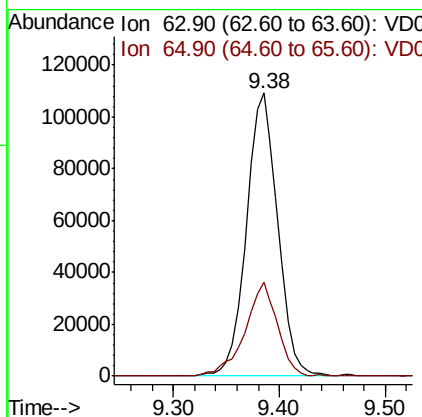
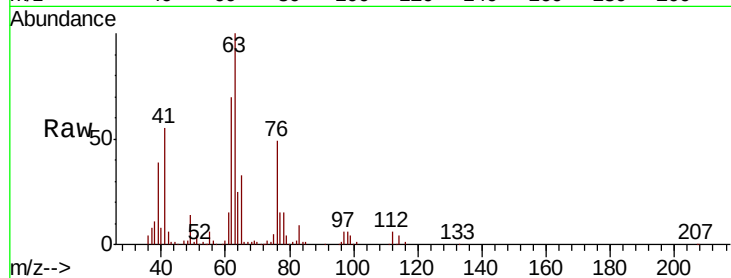




#45
 1,2-Dichloropropane
 Concen: 48.545 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

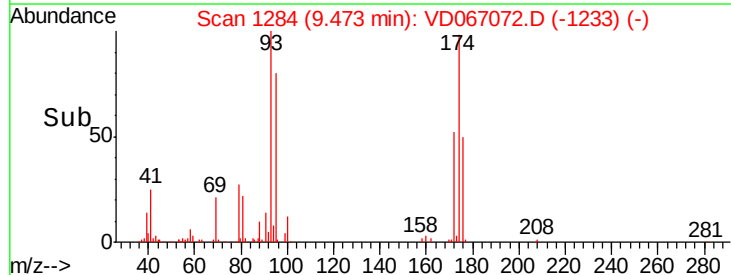
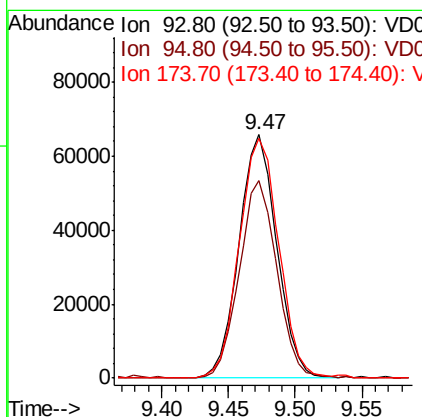
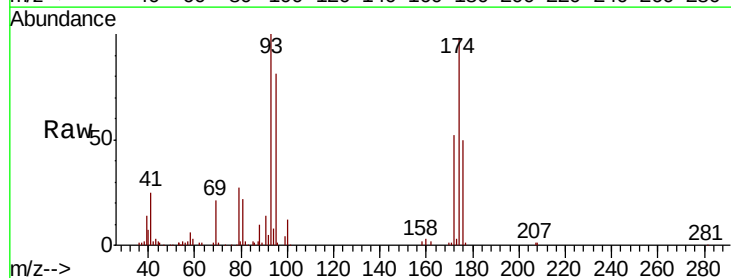
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

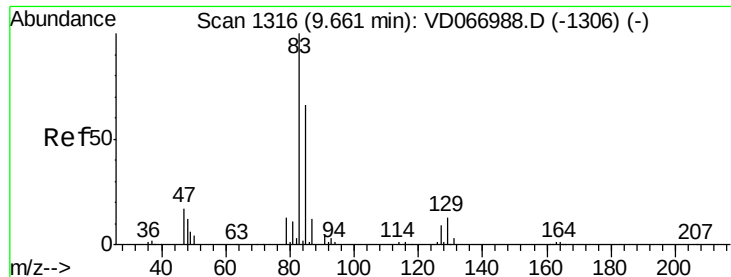
Tot Ion: 63 Resp: 225076
 Ion Ratio Lower Upper
 63 100
 65 33.2 23.7 35.5



#46
 Dibromomethane
 Concen: 48.559 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion: 93 Resp: 129399
 Ion Ratio Lower Upper
 93 100
 95 80.7 64.7 97.1
 174 103.0 81.4 122.2

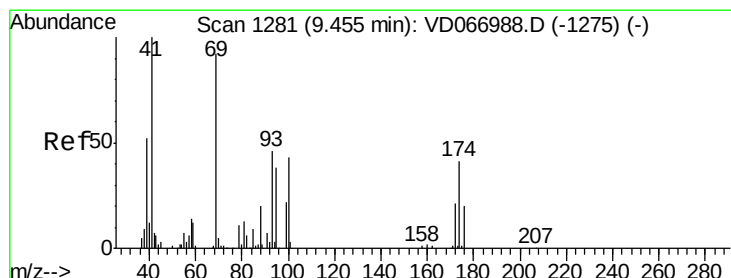
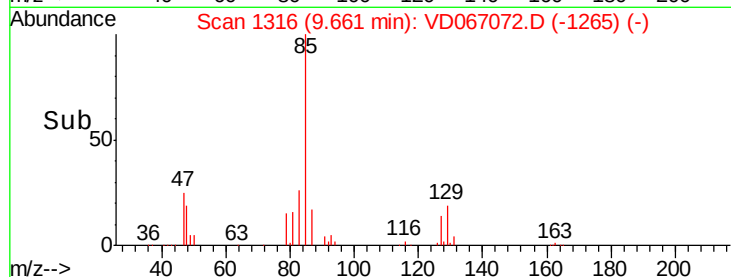
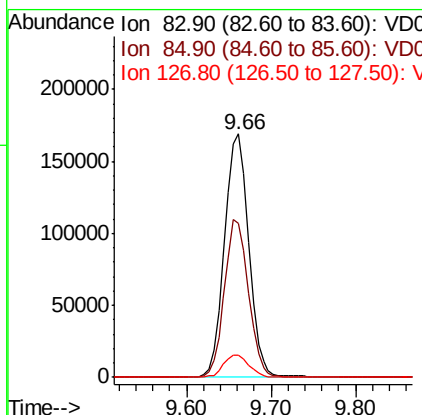
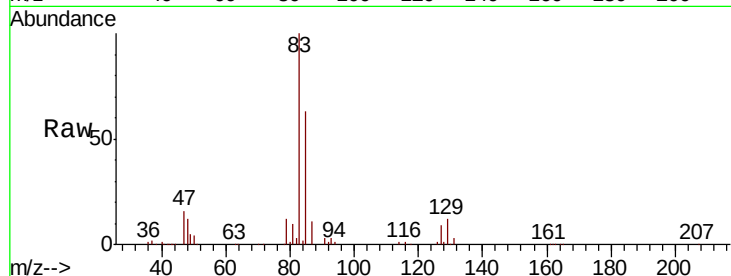




#47
 Bromodichloromethane
 Concen: 48.450 ug/l
 RT: 9.66 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

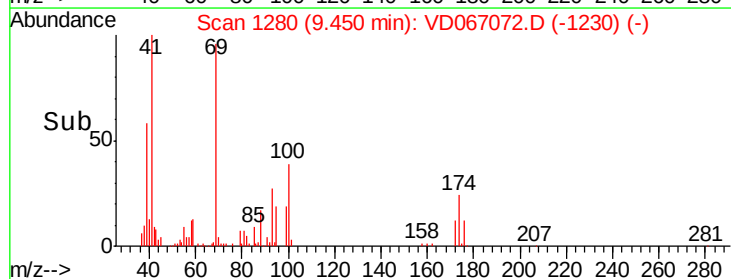
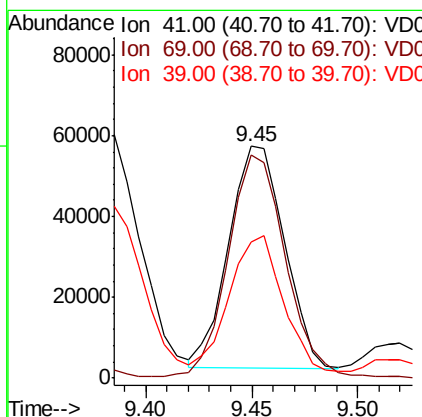
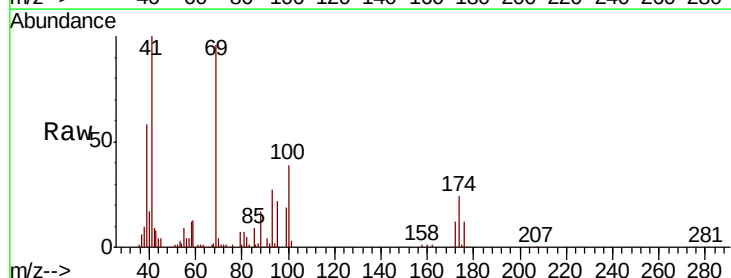
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

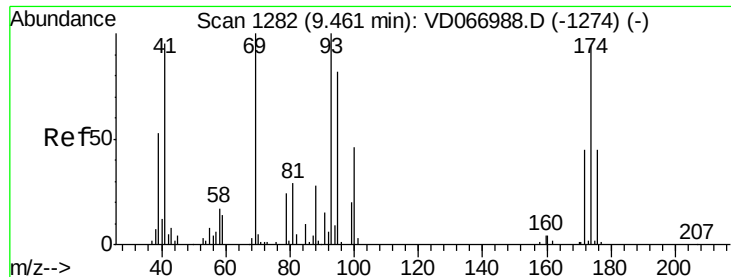
Tot Ion: 83 Resp: 335612
 Ion Ratio Lower Upper
 83 100
 85 63.4 52.9 79.3
 127 9.0 7.3 10.9



#48
 Methyl methacrylate
 Concen: 43.276 ug/l
 RT: 9.45 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion: 41 Resp: 100522
 Ion Ratio Lower Upper
 41 100
 69 103.3 68.5 102.7#
 39 58.4 40.2 60.2





#49

1,4-Dioxane

Concen: 976.099 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

BFB

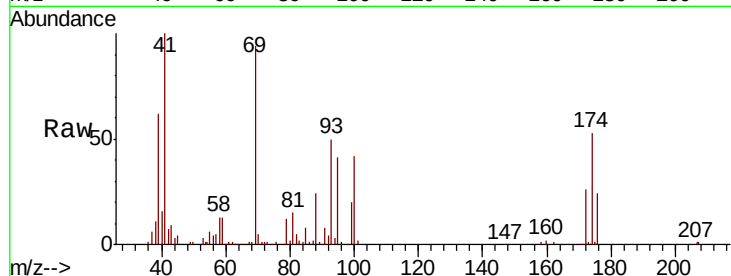
Tot Ion: 88 Resp: 27147

Ion Ratio Lower Upper

88 100

43 30.7 25.6 38.4

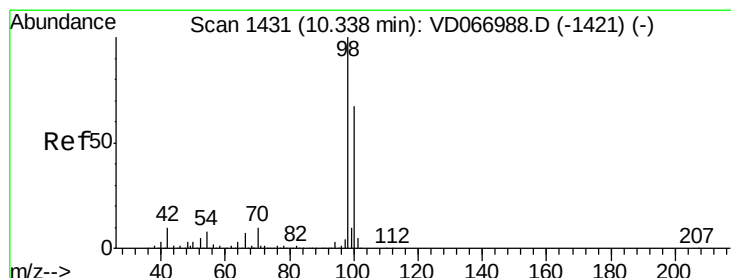
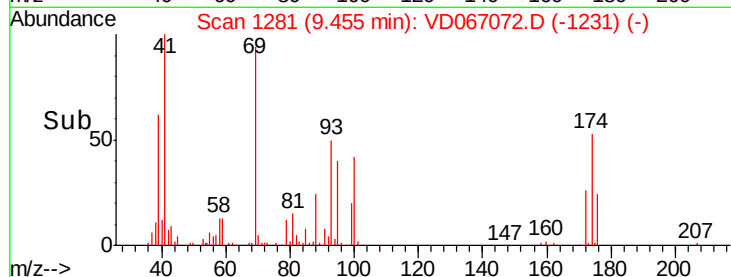
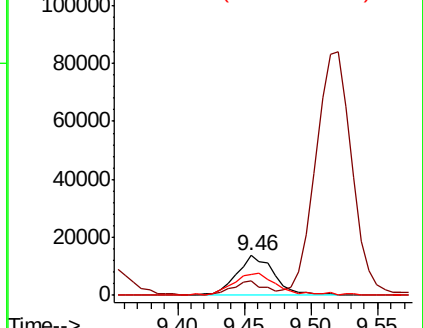
58 68.0 53.5 80.3



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: 51.332 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067072.D

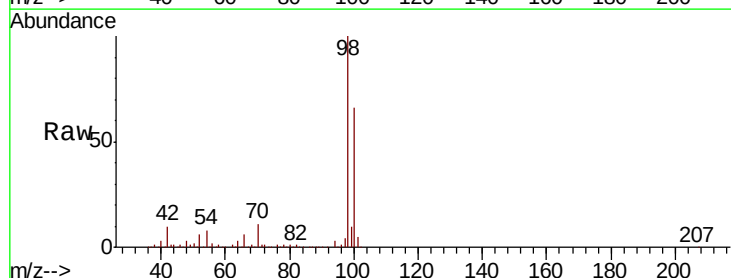
Acq: 05 Oct 2020 09:48

Tgt Ion: 98 Resp: 933331

Ion Ratio Lower Upper

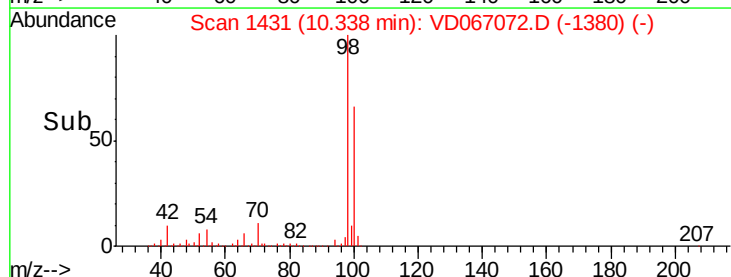
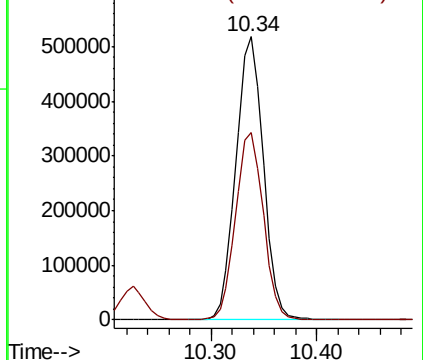
98 100

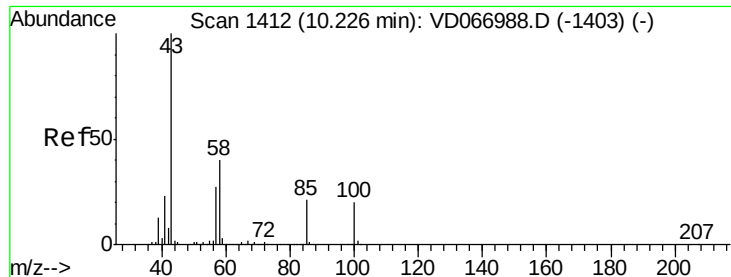
100 67.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

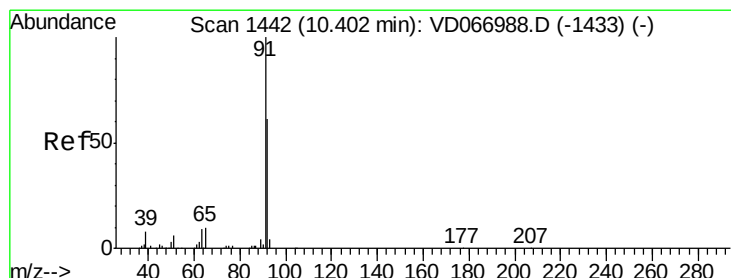
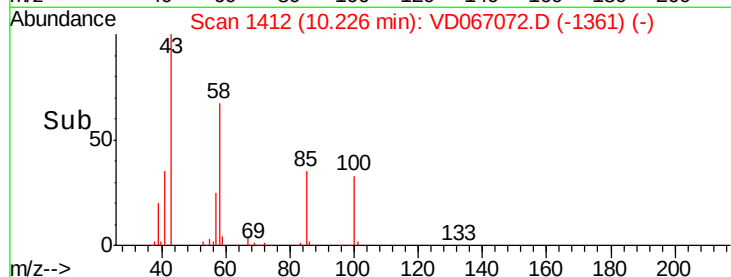
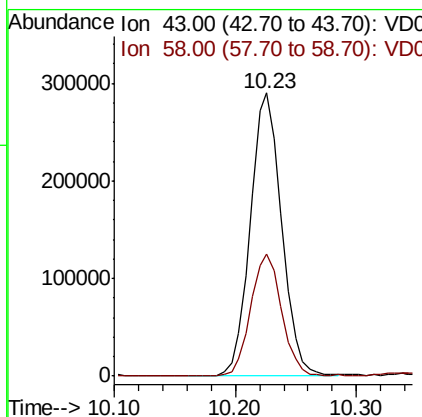
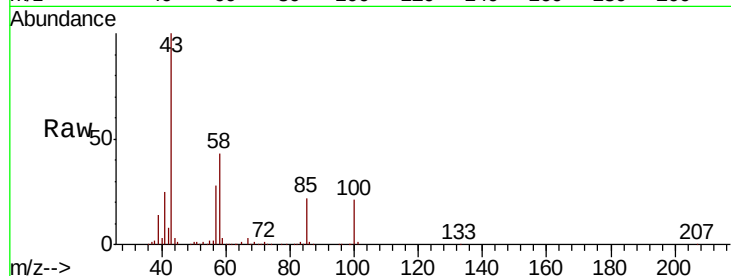




#51
 4-Methyl-2-Pentanone
 Concen: 231.943 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

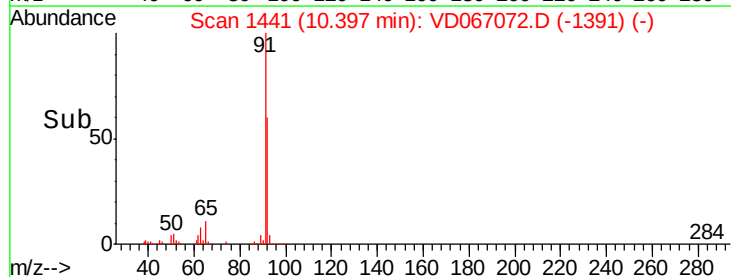
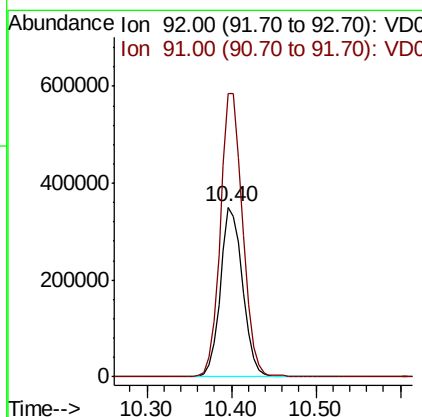
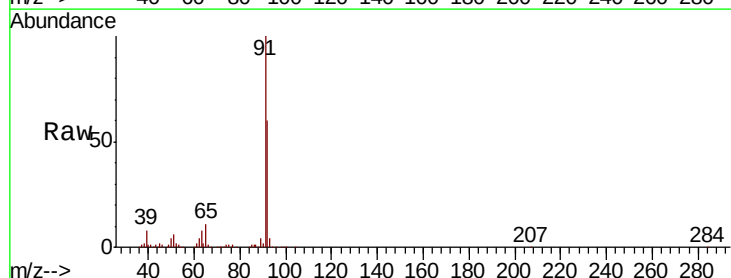
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

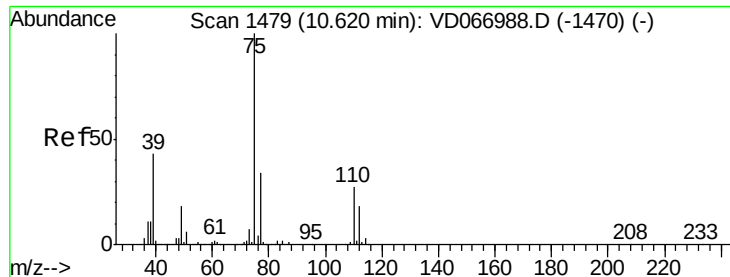
Tot Ion: 43 Resp: 523804
 Ion Ratio Lower Upper
 43 100
 58 42.9 33.8 50.8



#52
 Toluene
 Concen: 50.054 ug/l
 RT: 10.40 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion: 92 Resp: 636239
 Ion Ratio Lower Upper
 92 100
 91 168.9 135.1 202.7





#53

t-1,3-Dichloropropene

Concen: 48.907 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

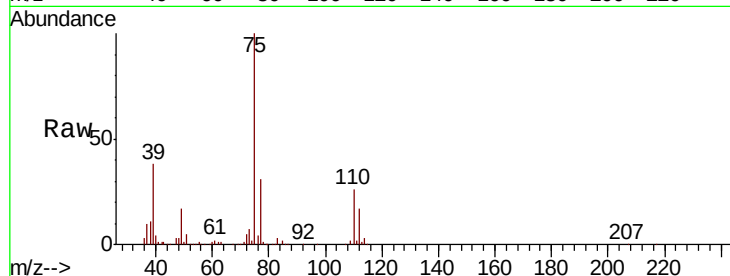
BFB

Tot Ion: 75 Resp: 302772

Ion Ratio Lower Upper

75 100

77 31.2 27.1 40.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.62

200000

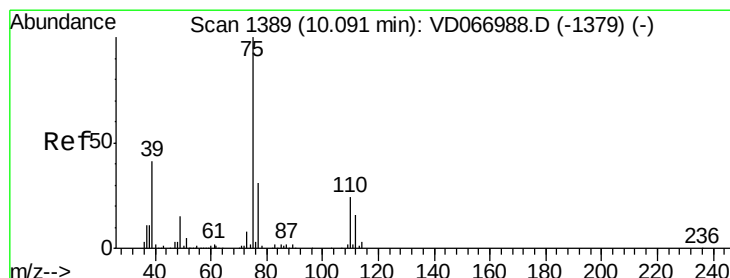
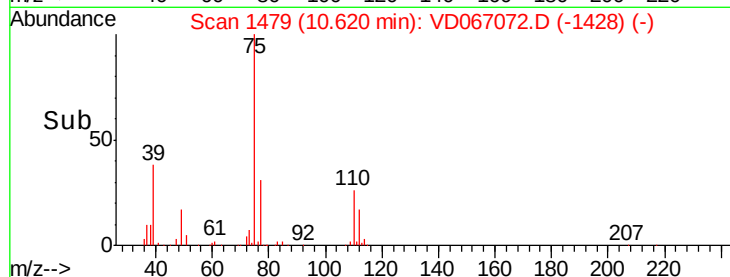
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.589 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

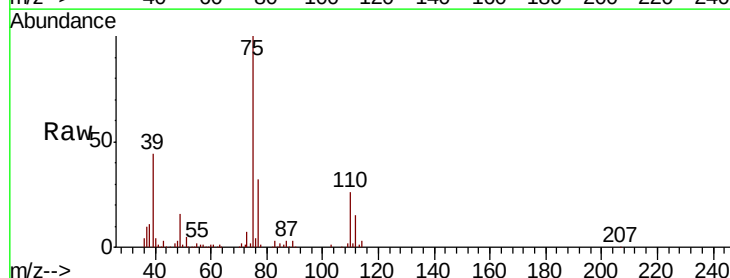
Tgt Ion: 75 Resp: 367320

Ion Ratio Lower Upper

75 100

77 31.8 24.6 37.0

39 43.2 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

250000

200000

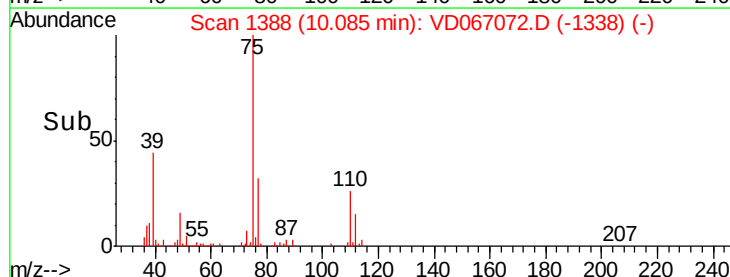
150000

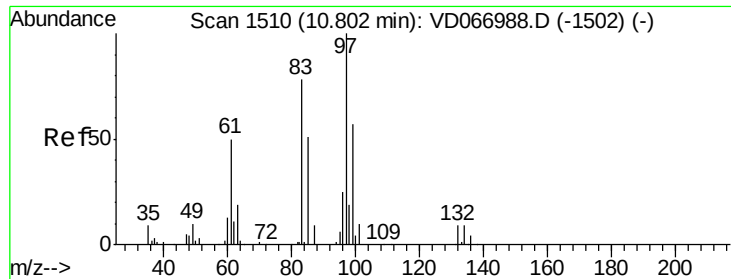
100000

50000

0

Time-->

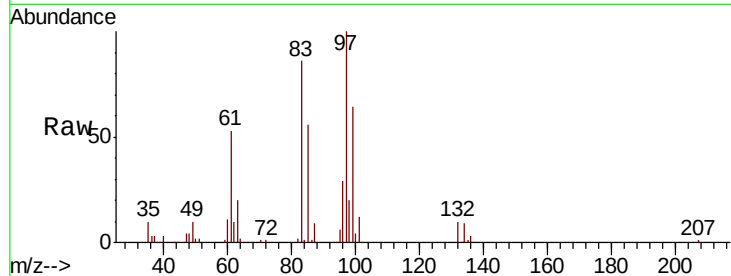




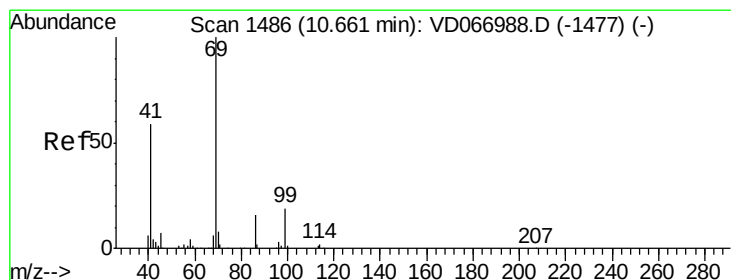
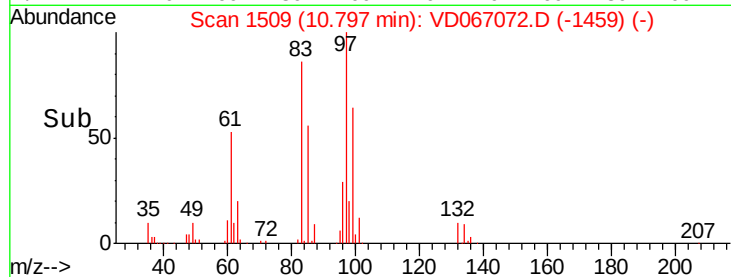
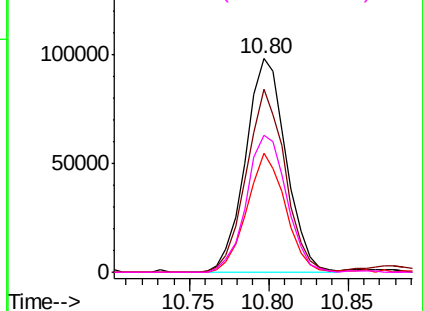
#55
 1,1,2-Trichloroethane
 Concen: 47.108 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tot Ion: 97 Resp: 174528
 Ion Ratio Lower Upper
 97 100
 83 85.9 62.4 93.6
 85 55.8 41.0 61.4
 99 64.3 45.9 68.9

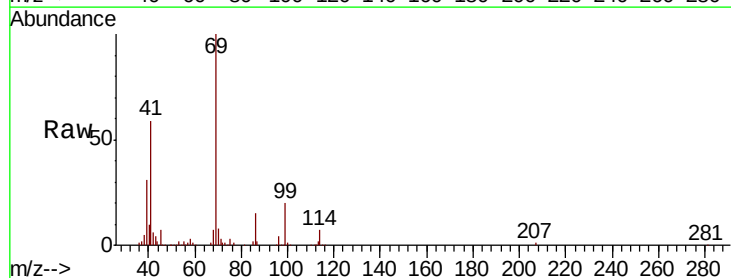


Abundance Ion 96.90 (96.60 to 97.60): VDC
 150000 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

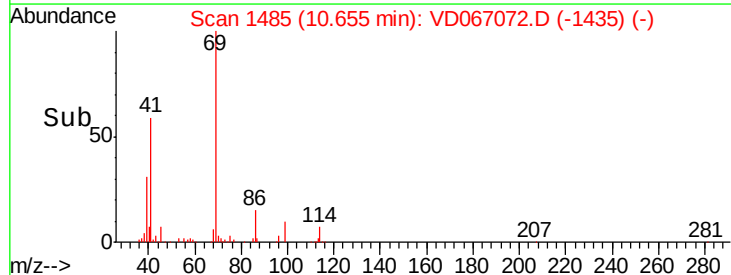
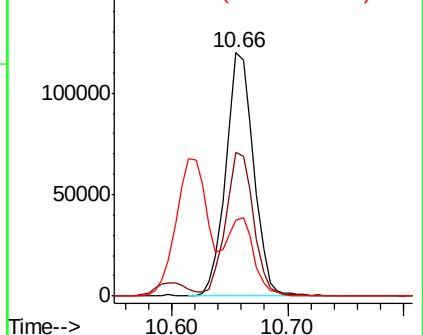


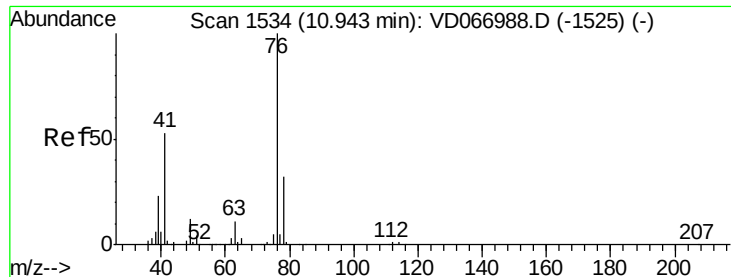
#56
 Ethyl methacrylate
 Concen: 52.103 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion: 69 Resp: 199295
 Ion Ratio Lower Upper
 69 100
 41 59.7 46.4 69.6
 39 29.3 23.8 35.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
 150000 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC

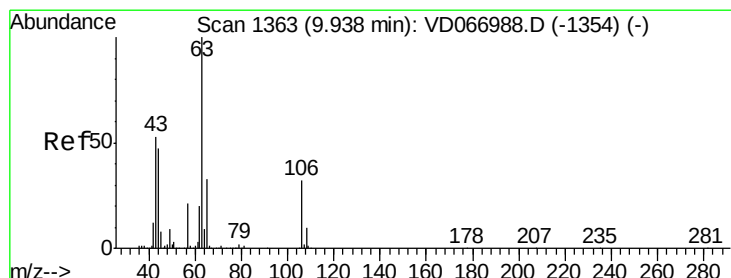
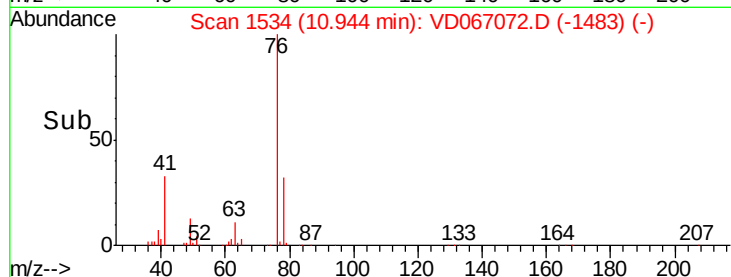
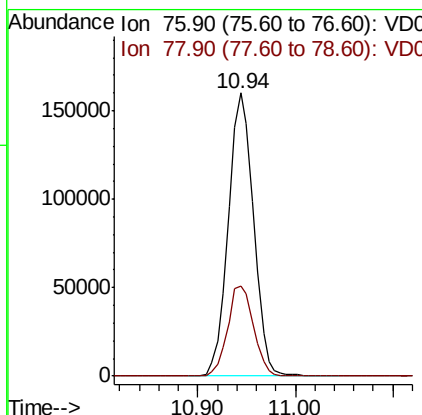
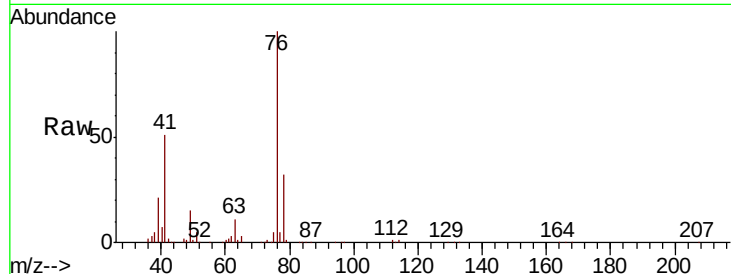




#57
 1,3-Dichloropropane
 Concen: 47.812 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

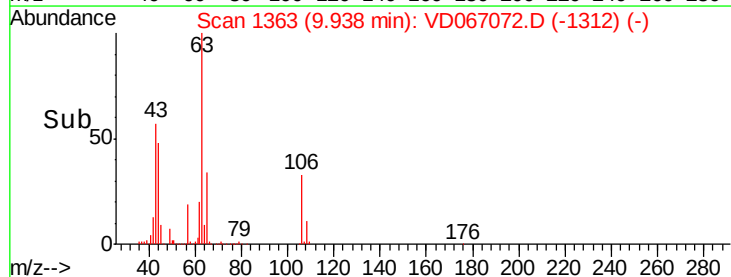
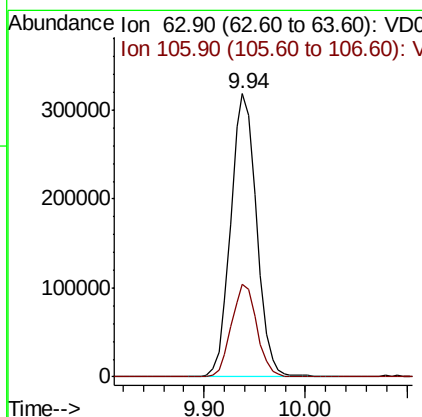
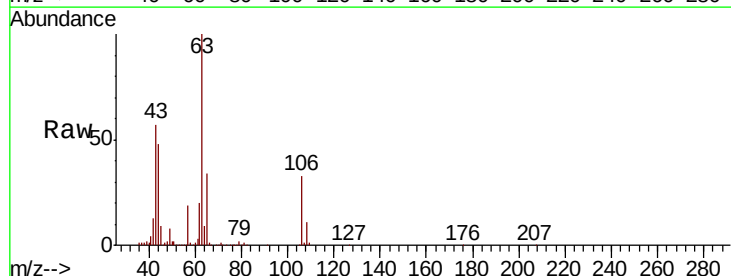
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

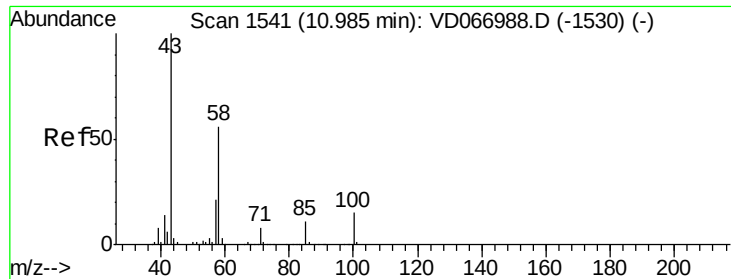
Tot Ion: 76 Resp: 287246
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.276 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion: 63 Resp: 564759
 Ion Ratio Lower Upper
 63 100
 106 32.4 25.3 37.9

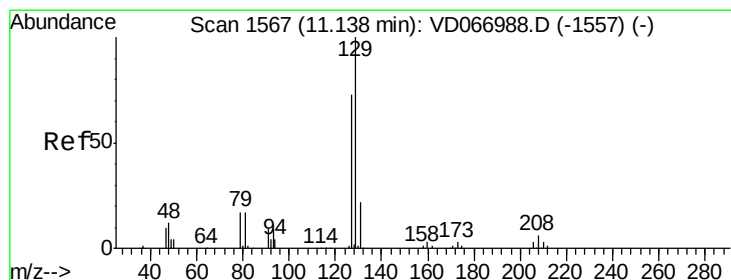
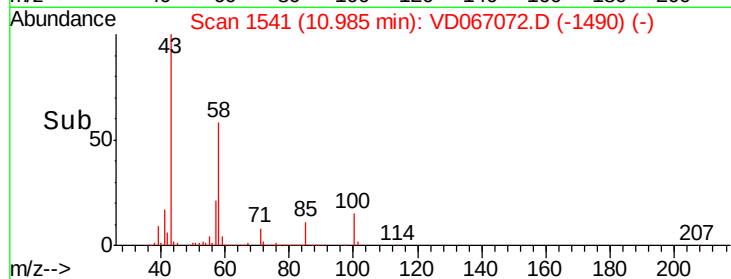
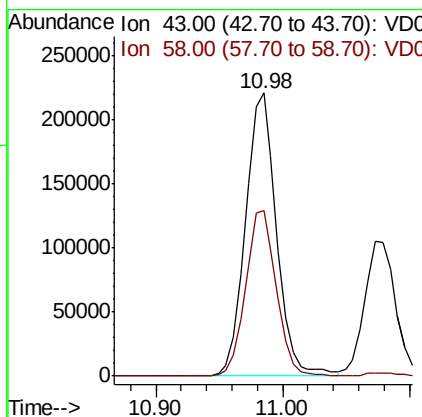
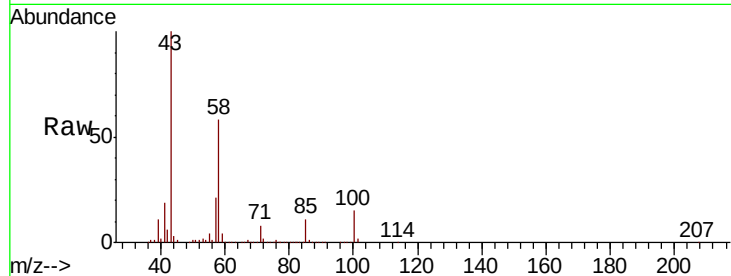




#59
2-Hexanone
Concen: 249.397 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

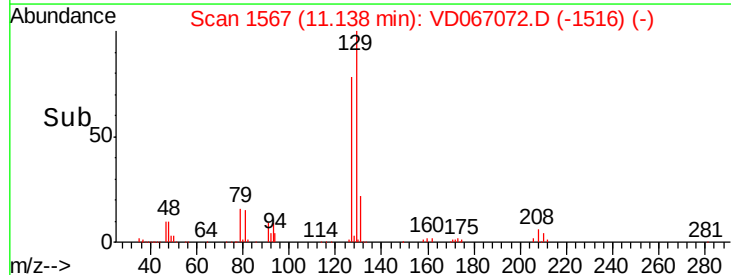
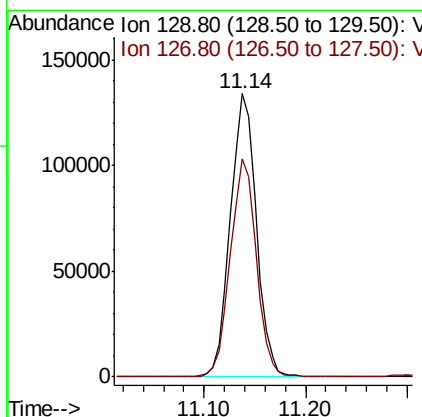
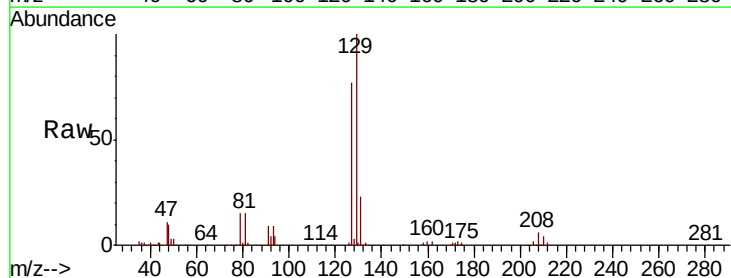
Instrument :
MSVOA_D
ClientSampleId :
BFB

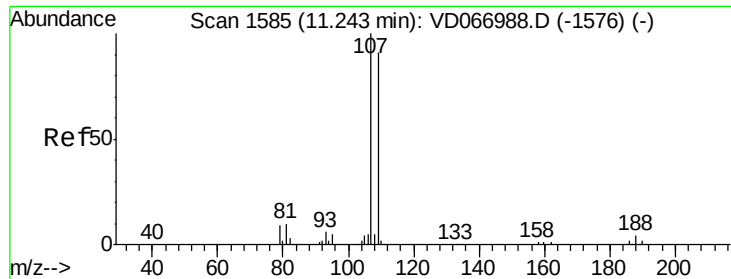
Tot Ion: 43 Resp: 375918
Ion Ratio Lower Upper
43 100
58 57.6 28.3 84.9



#60
Dibromochloromethane
Concen: 48.311 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion: 129 Resp: 238555
Ion Ratio Lower Upper
129 100
127 77.3 37.4 112.1

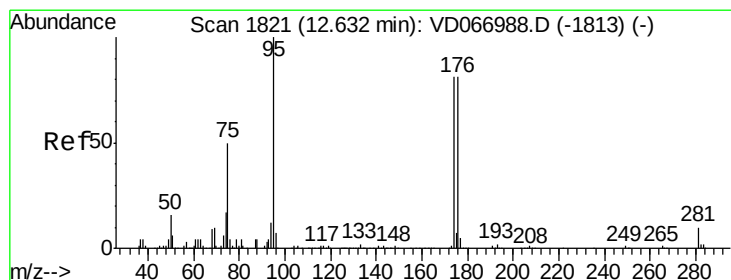
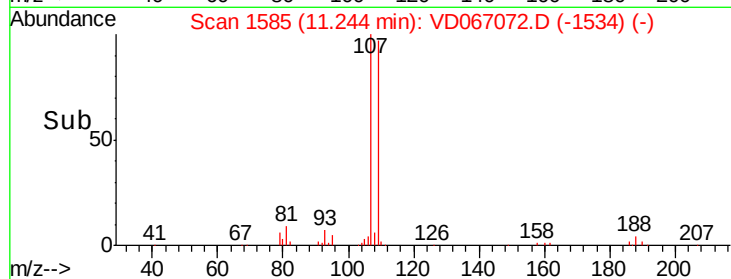
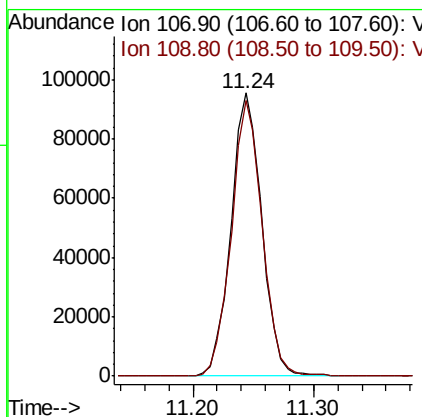
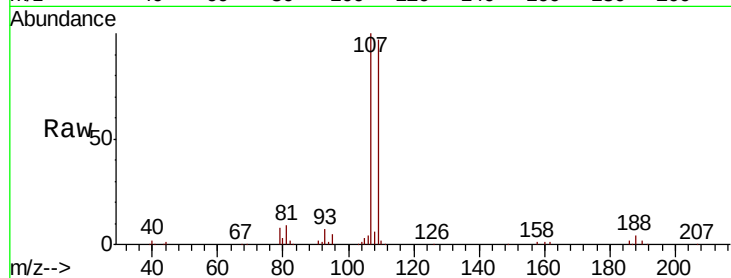




#61
 1,2-Dibromoethane
 Concen: 47.596 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

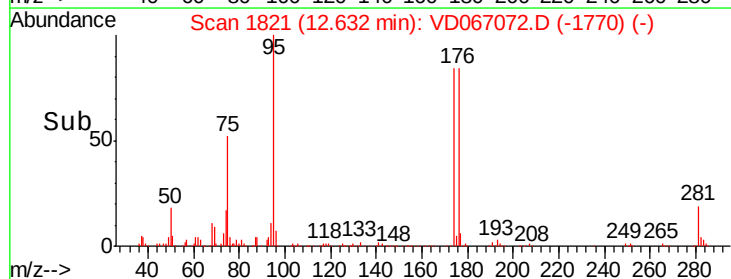
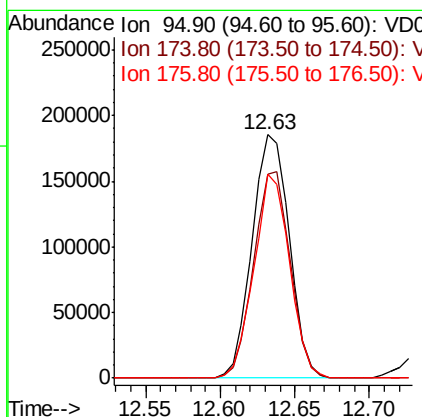
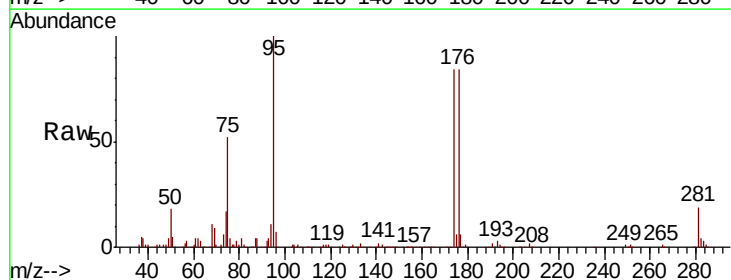
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

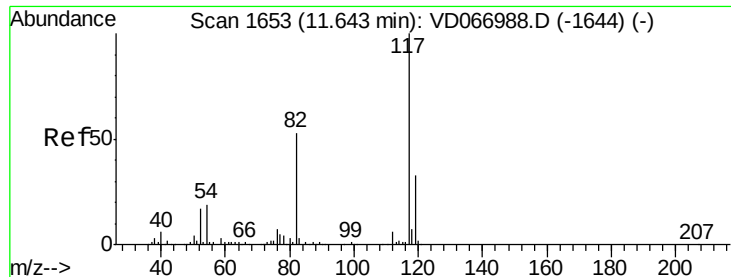
Tot Ion: 107 Resp: 169409
 Ion Ratio Lower Upper
 107 100
 109 97.5 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 51.802 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion: 95 Resp: 319745
 Ion Ratio Lower Upper
 95 100
 174 83.5 0.0 167.6
 176 80.1 0.0 162.4

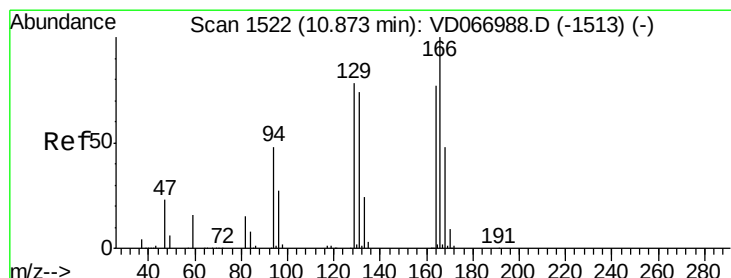
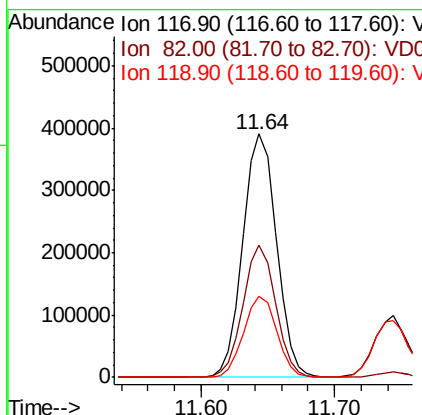
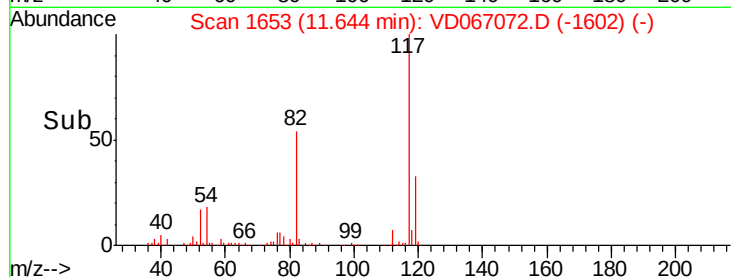
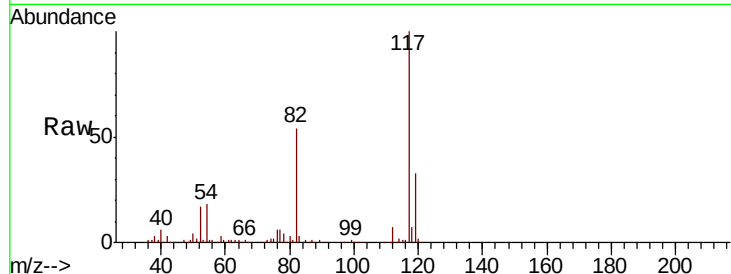




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

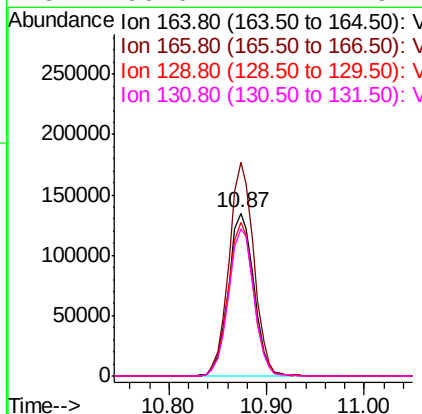
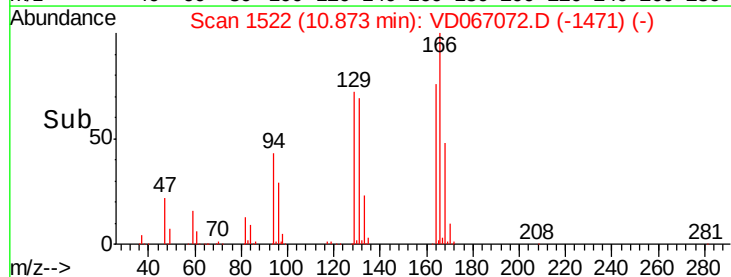
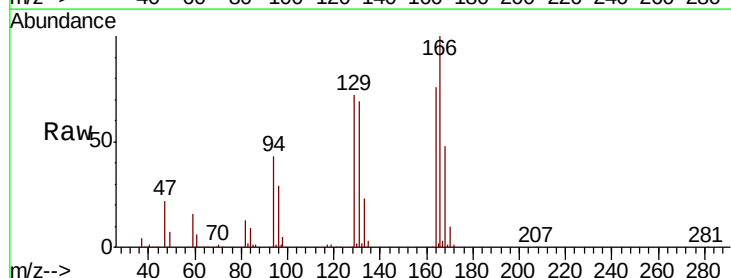
Instrument :
MSVOA_D
ClientSampled :
BFB

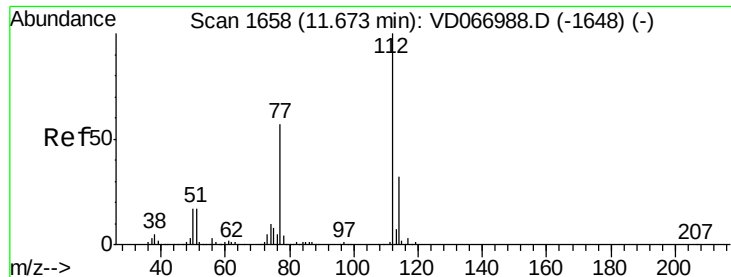
Tot Ion:117 Resp: 682013
Ion Ratio Lower Upper
117 100
82 54.3 42.6 63.8
119 33.4 26.3 39.5



#64
Tetrachloroethene
Concen: 49.321 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion:164 Resp: 244543
Ion Ratio Lower Upper
164 100
166 131.0 104.4 156.6
129 94.3 81.3 121.9
131 90.6 77.1 115.7

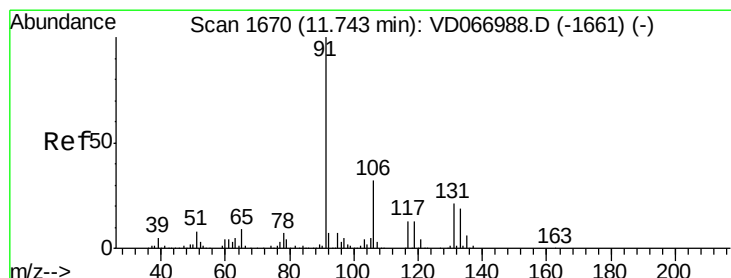
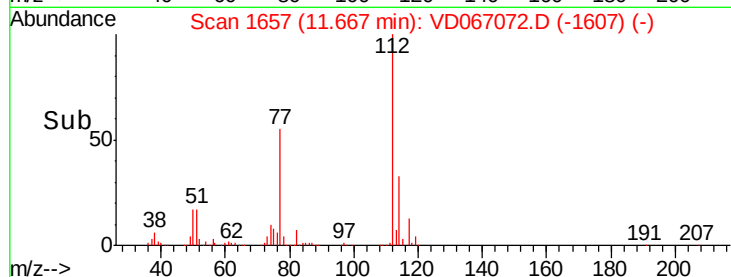
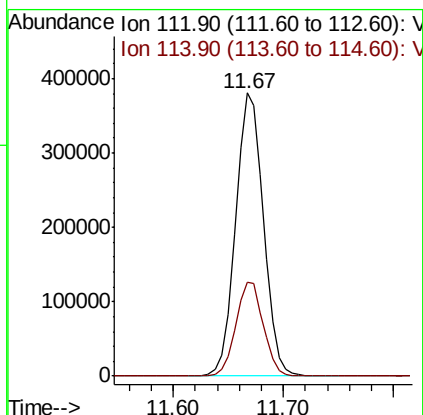
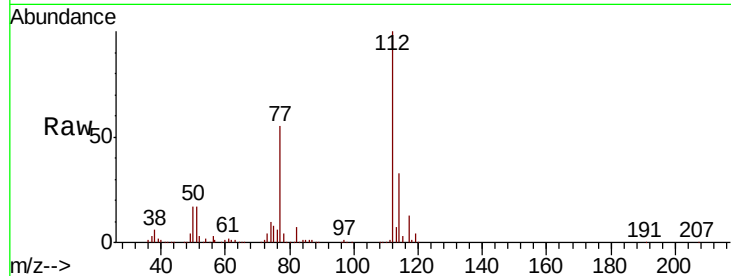




#65
Chlorobenzene
Concen: 49.558 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

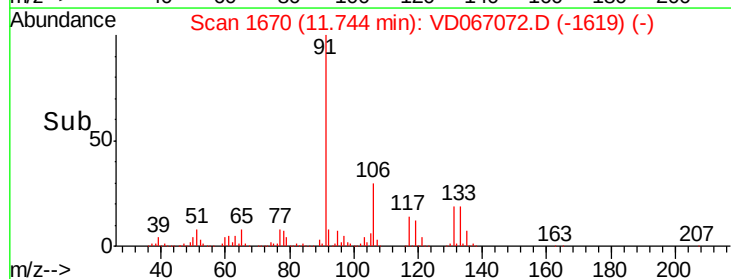
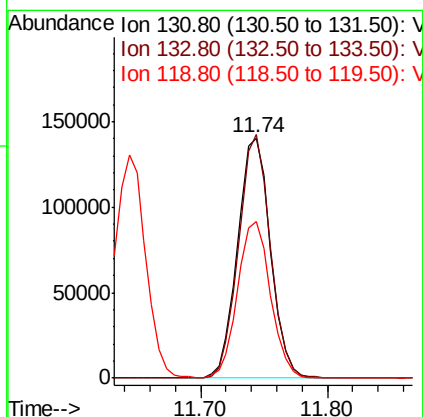
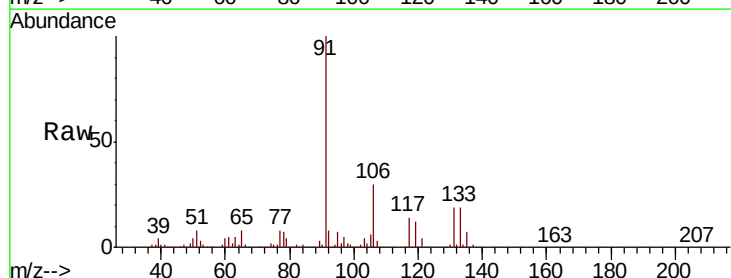
Instrument :
MSVOA_D
ClientSampled :
BFB

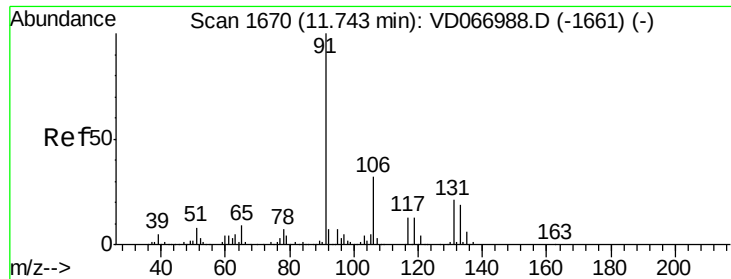
Tot Ion:112 Resp: 672222
Ion Ratio Lower Upper
112 100
114 33.0 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.983 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion:131 Resp: 252736
Ion Ratio Lower Upper
131 100
133 97.8 47.8 143.3
119 65.3 32.3 96.8

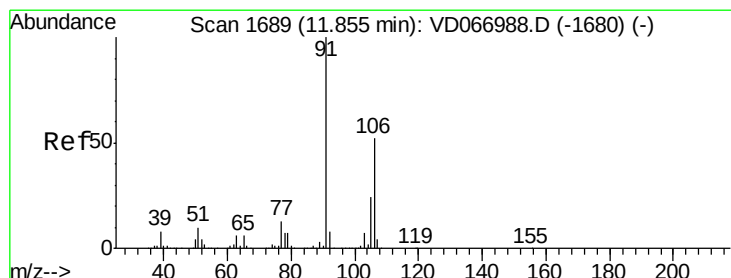
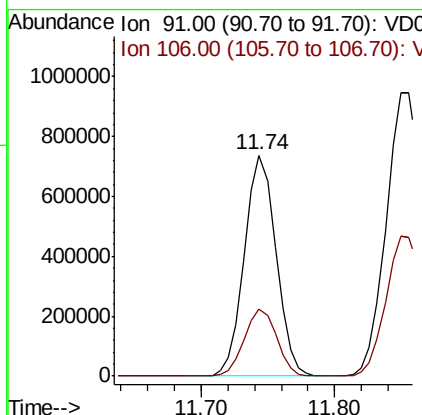
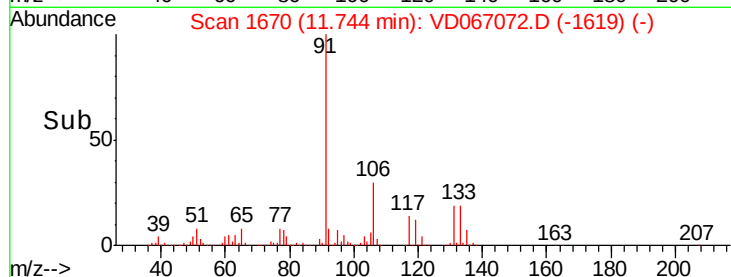
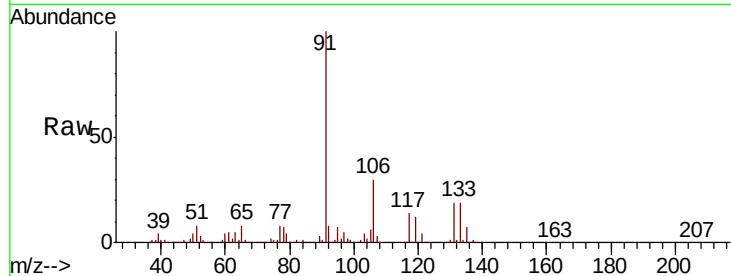




#67
Ethyl Benzene
Concen: 52.111 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

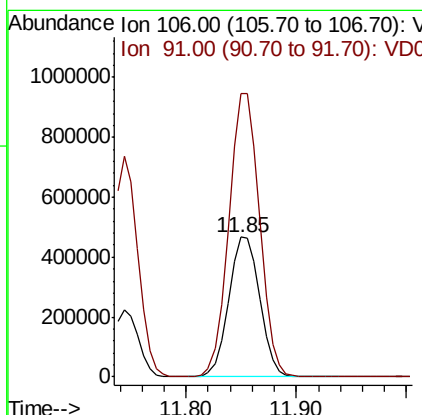
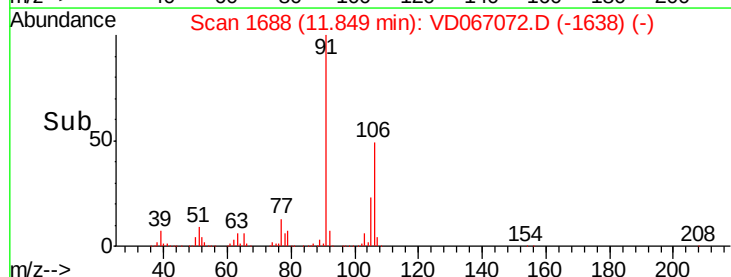
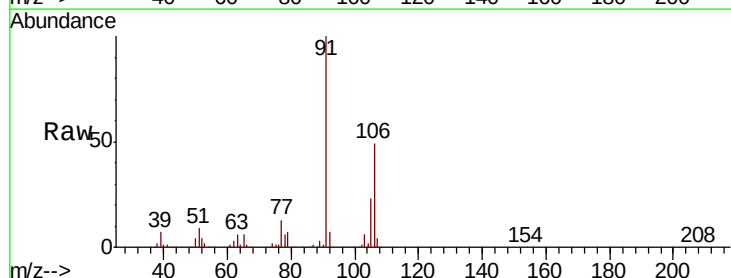
Instrument :
MSVOA_D
ClientSampleId :
BFB

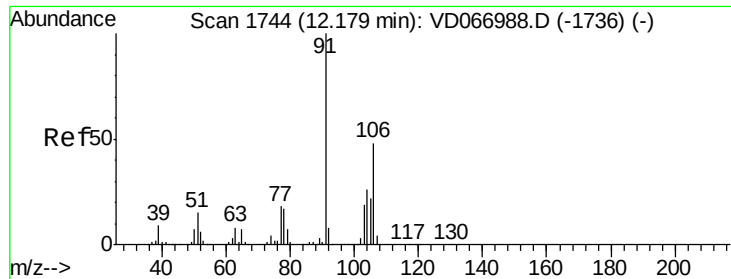
Tot Ion: 91 Resp: 1211124
Ion Ratio Lower Upper
91 100
106 30.2 25.4 38.2



#68
m/p-Xylenes
Concen: 101.764 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion: 106 Resp: 921717
Ion Ratio Lower Upper
106 100
91 200.4 158.4 237.6

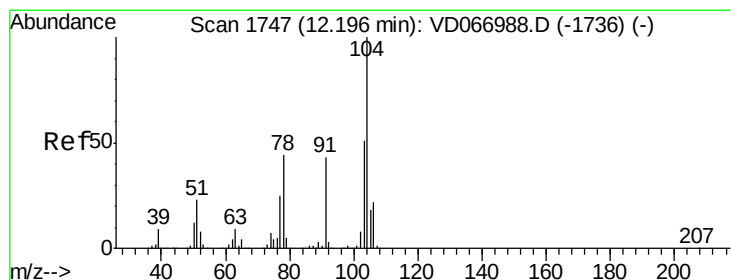
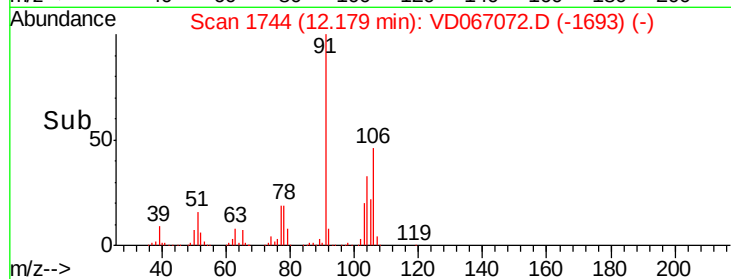
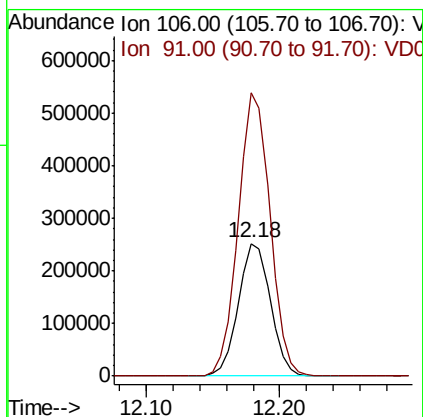
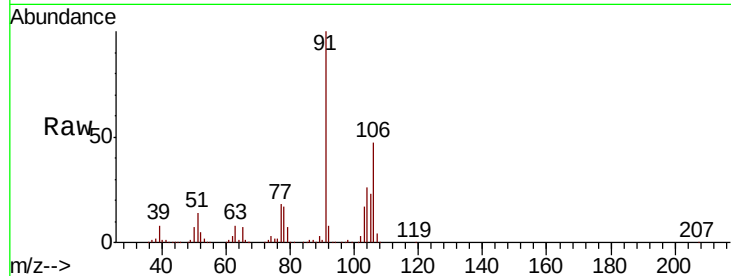




#69
o-Xylene
Concen: 51.773 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

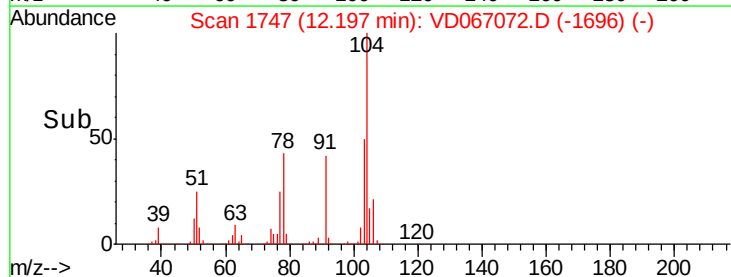
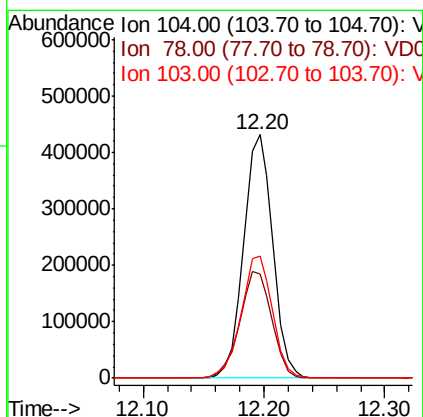
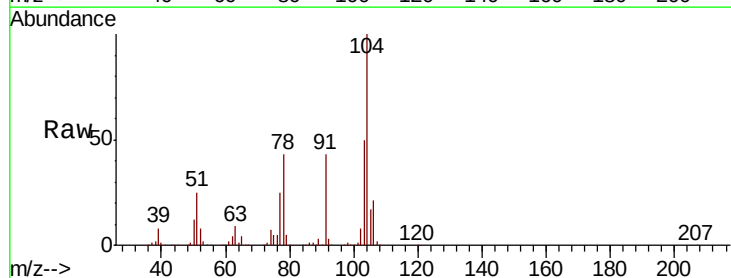
Instrument :
MSVOA_D
ClientSampled :
BFB

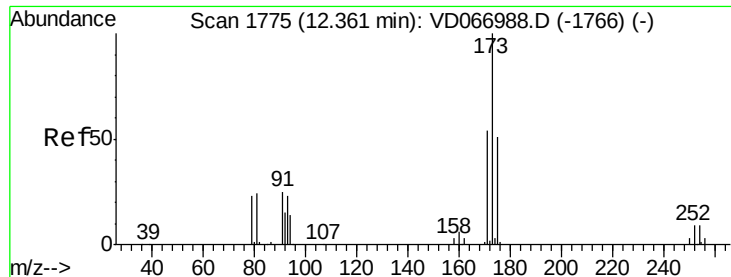
Tot Ion:106 Resp: 419343
Ion Ratio Lower Upper
106 100
91 211.9 102.4 307.2



#70
Styrene
Concen: 52.197 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion:104 Resp: 725973
Ion Ratio Lower Upper
104 100
78 48.0 38.6 58.0
103 53.9 43.4 65.0





#71

Bromoform

Concen: 49.014 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

BFB

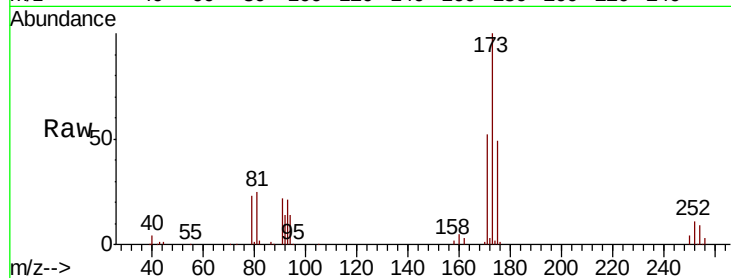
Tot Ion:173 Resp: 131274

Ion Ratio Lower Upper

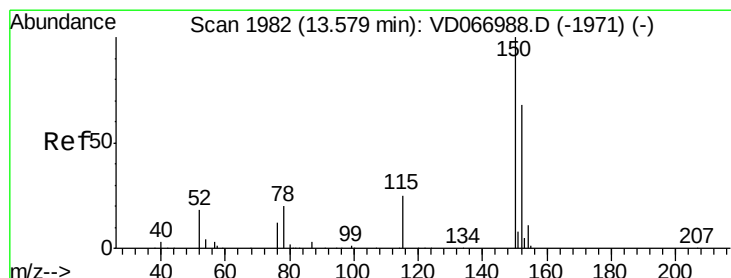
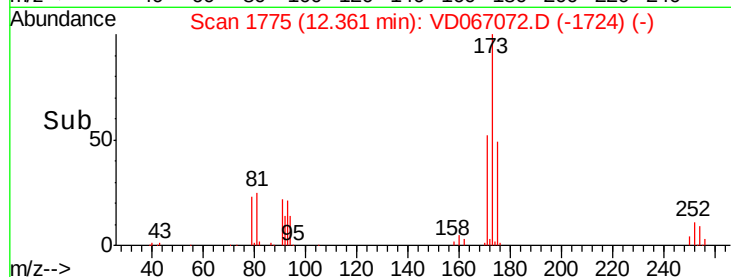
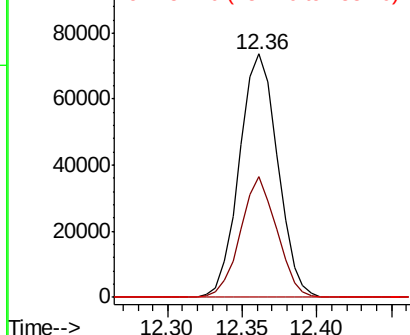
173 100

175 47.0 24.9 74.7

254 0.1 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: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

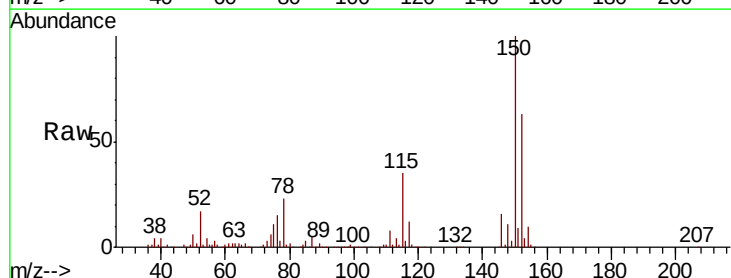
Tgt Ion:152 Resp: 336356

Ion Ratio Lower Upper

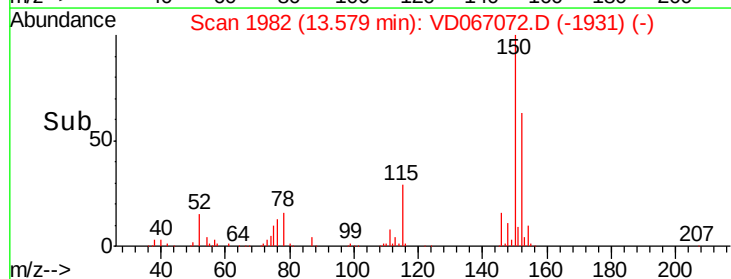
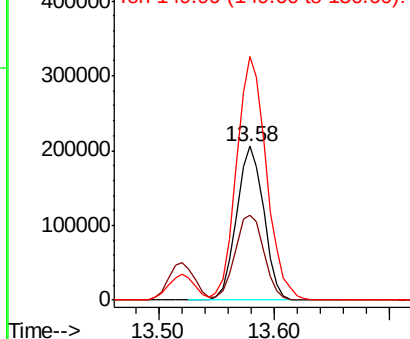
152 100

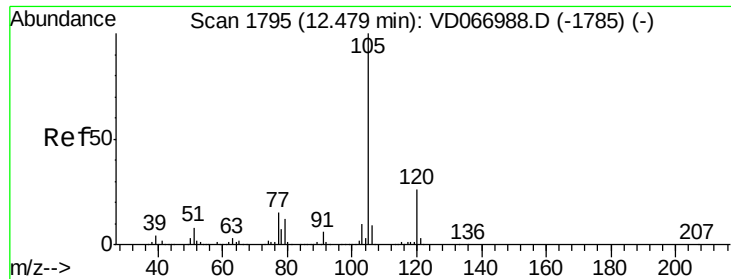
115 58.1 29.6 88.8

150 172.7 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: 51.652 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

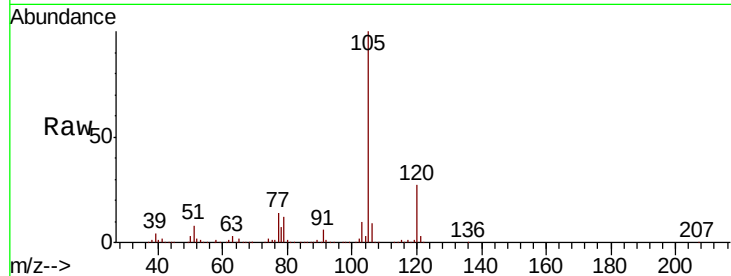
BFB

Tot Ion:105 Resp: 1179689

Ion Ratio Lower Upper

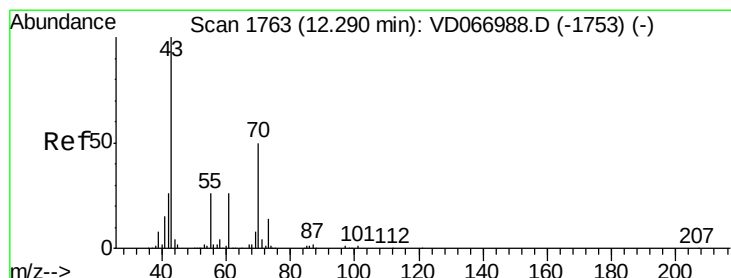
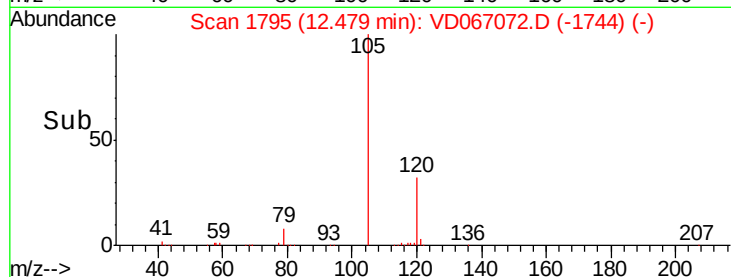
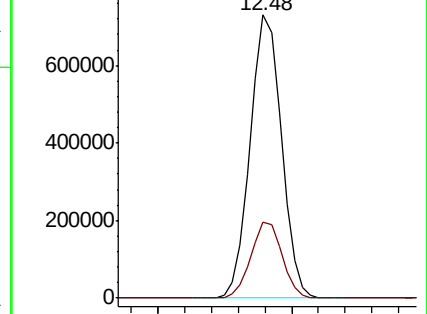
105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.340 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Tgt Ion: 43 Resp: 194365

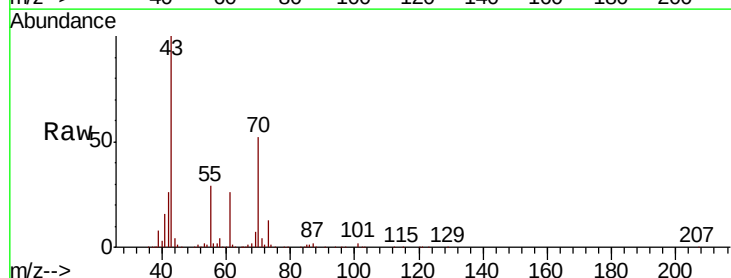
Ion Ratio Lower Upper

43 100

70 48.7 38.2 57.2

55 29.5 22.4 33.6

61 26.6 20.6 31.0

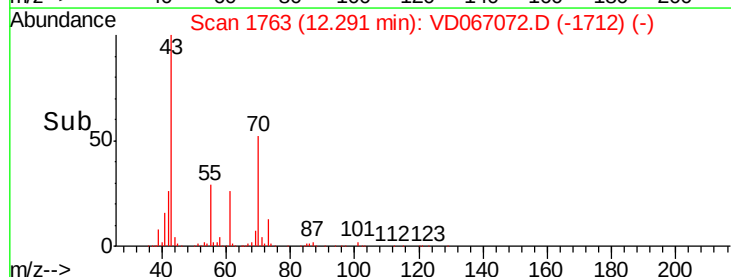
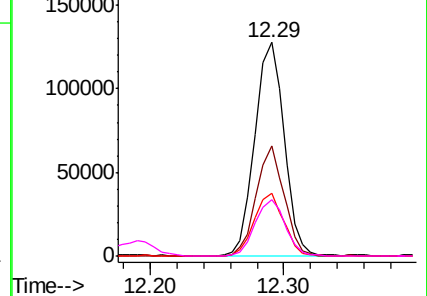


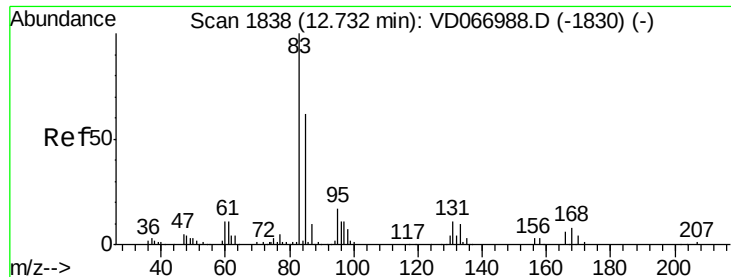
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.145 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

BFB

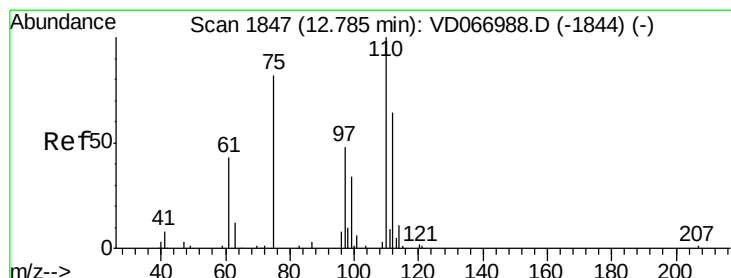
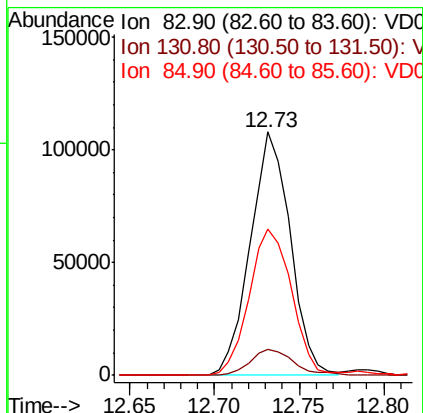
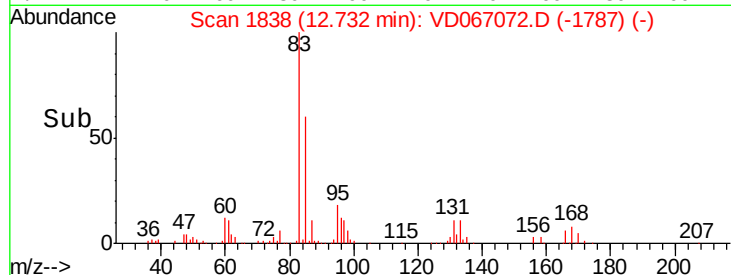
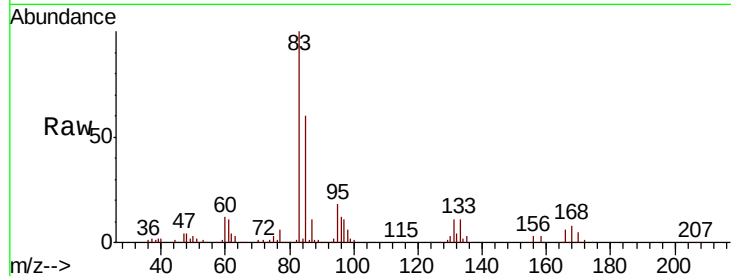
Tot Ion: 83 Resp: 177569

Ion Ratio Lower Upper

83 100

131 11.5 5.7 17.0

85 63.7 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 79.601 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067072.D

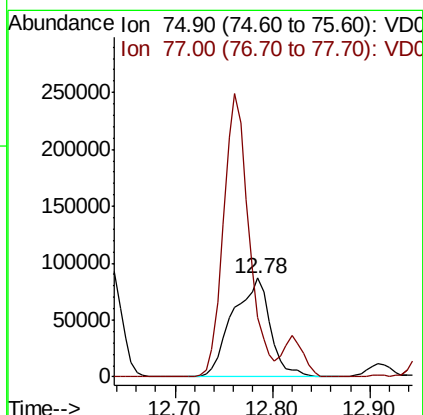
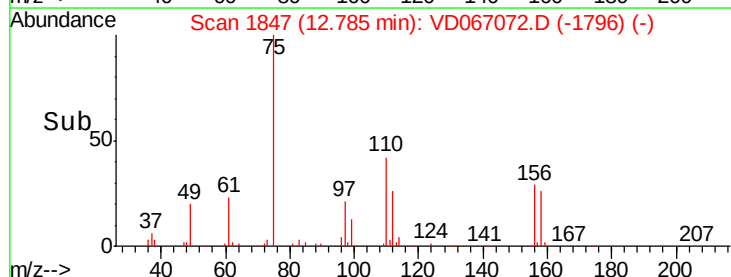
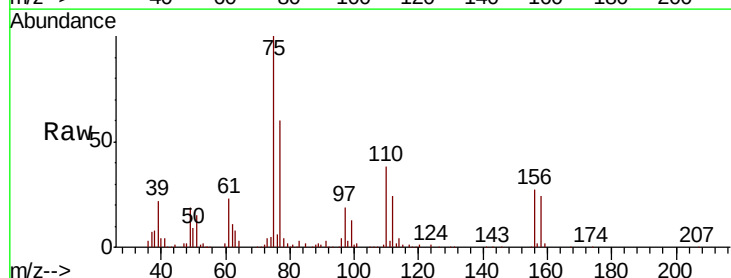
Acq: 05 Oct 2020 09:48

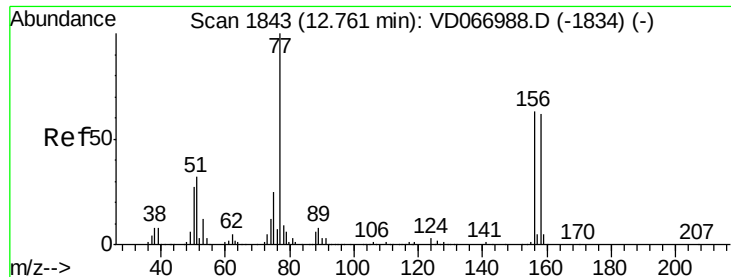
Tgt Ion: 75 Resp: 233212

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.846 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

BFB

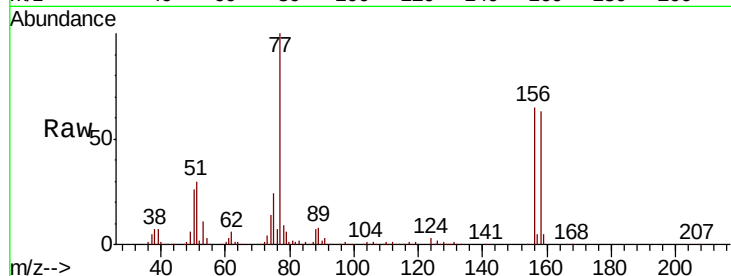
Tot Ion:156 Resp: 274888

Ion Ratio Lower Upper

156 100

77 165.0 86.3 258.8

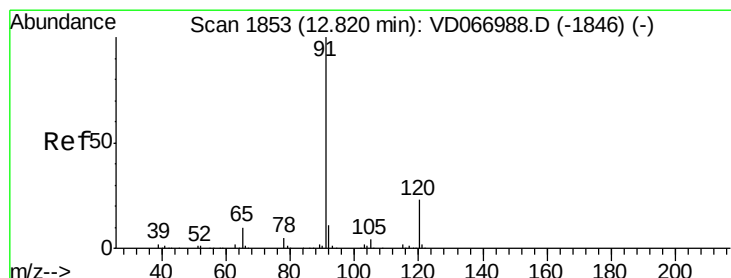
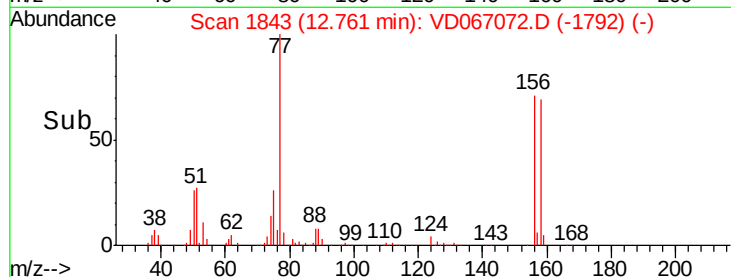
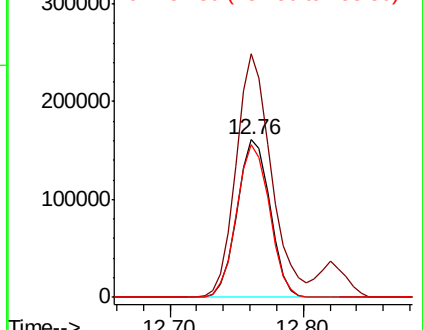
158 97.0 49.5 148.3



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: 50.685 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD067072.D

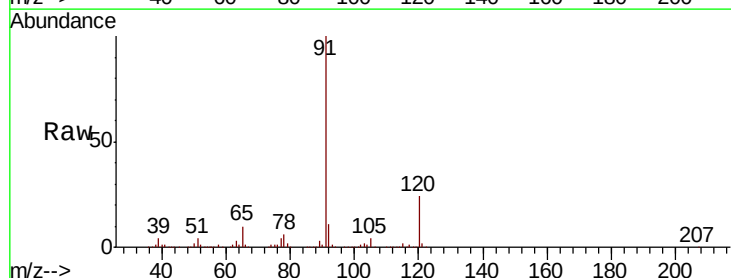
Acq: 05 Oct 2020 09:48

Tgt Ion: 91 Resp: 1368089

Ion Ratio Lower Upper

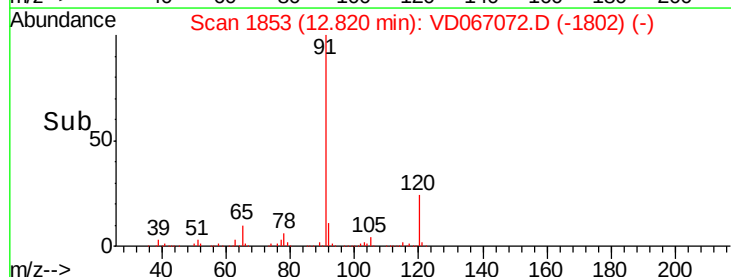
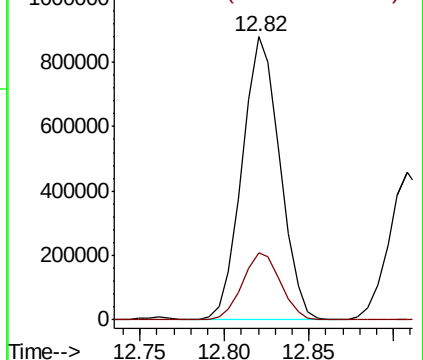
91 100

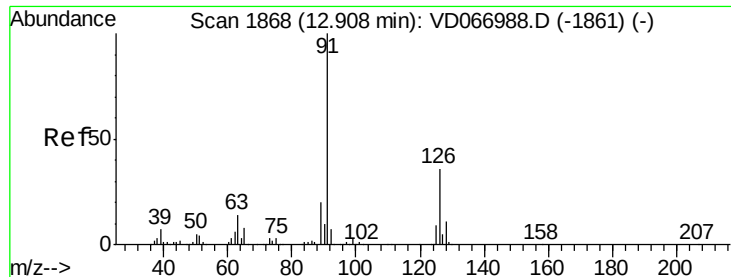
120 24.0 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

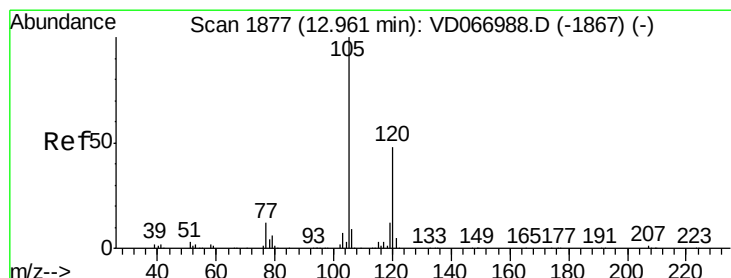
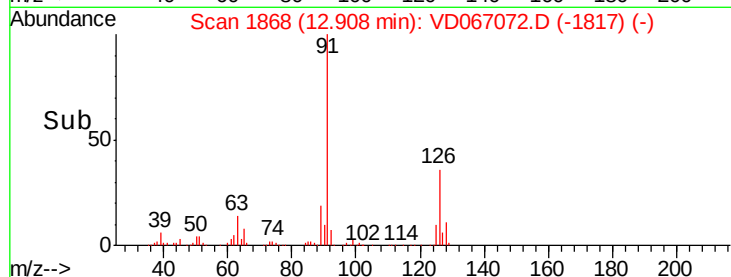
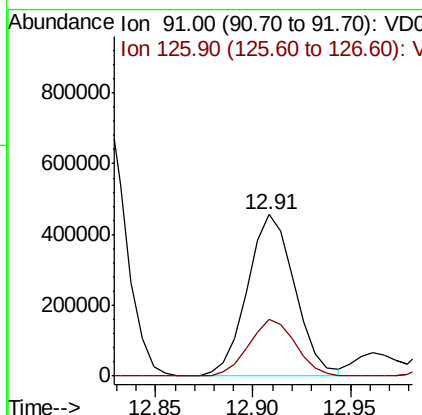
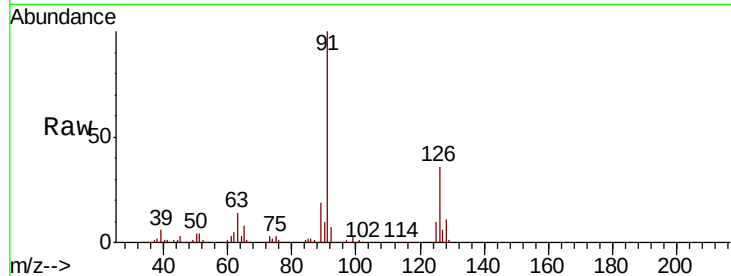




#79
2-Chlorotoluene
Concen: 49.820 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

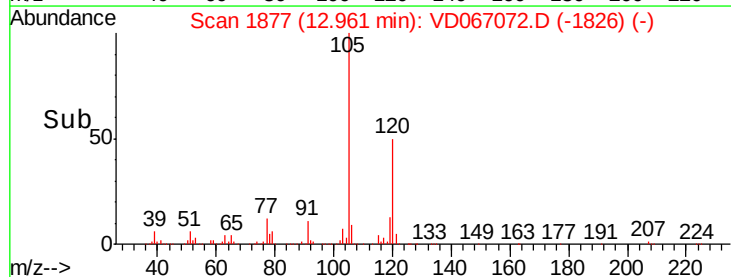
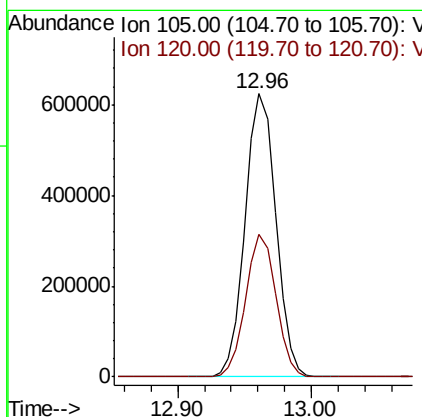
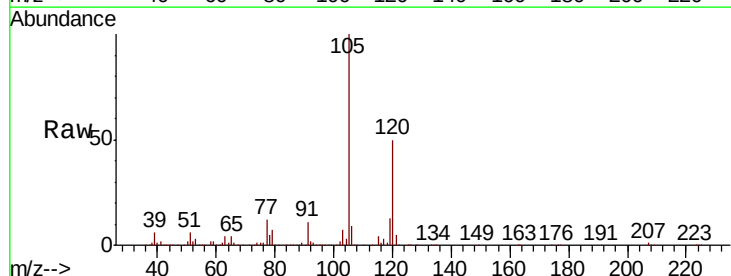
Instrument :
MSVOA_D
ClientSampled :
BFB

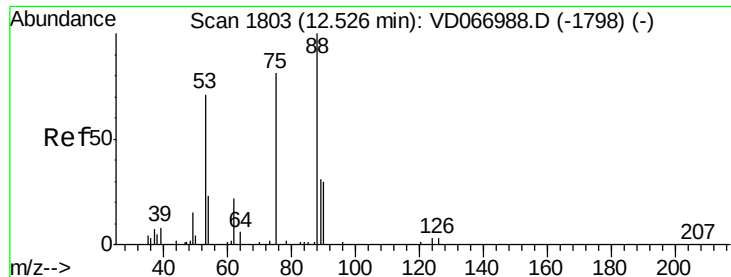
Tot Ion: 91 Resp: 769383
Ion Ratio Lower Upper
91 100
126 35.0 17.5 52.6



#80
1,3,5-Trimethylbenzene
Concen: 51.250 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion: 105 Resp: 988935
Ion Ratio Lower Upper
105 100
120 49.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.073 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampled :

BFB

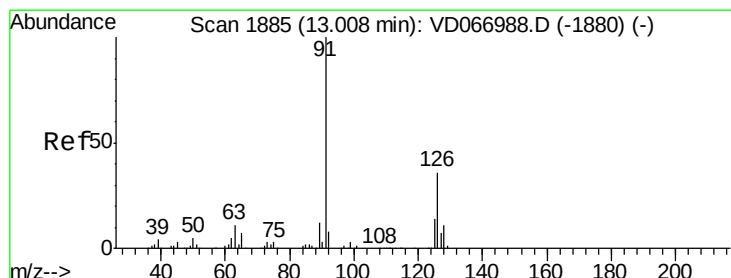
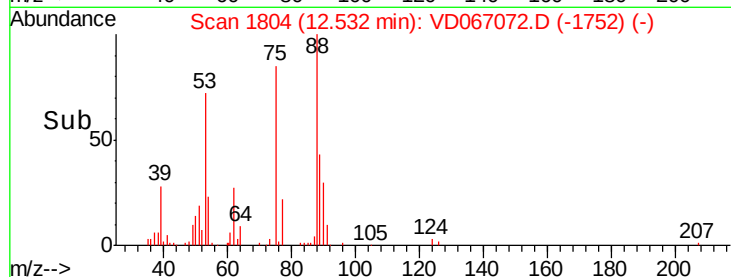
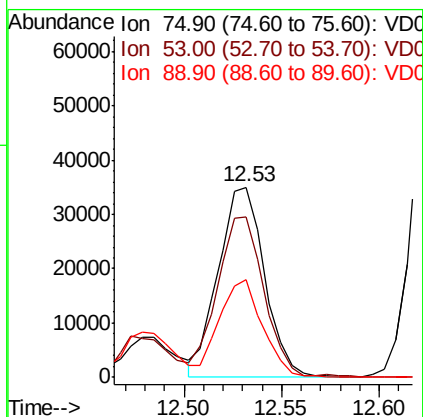
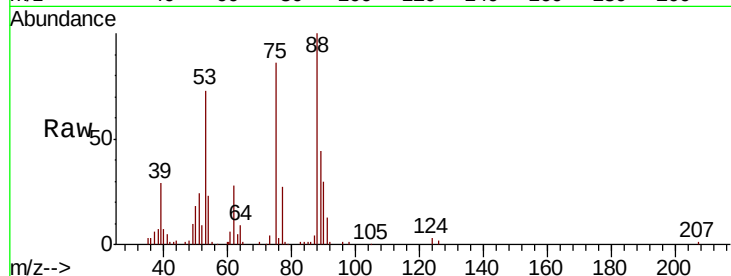
Tot Ion: 75 Resp: 57668

Ion Ratio Lower Upper

75 100

53 83.2 73.8 110.6

89 48.8 38.9 58.3



#82

4-Chlorotoluene

Concen: 49.713 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067072.D

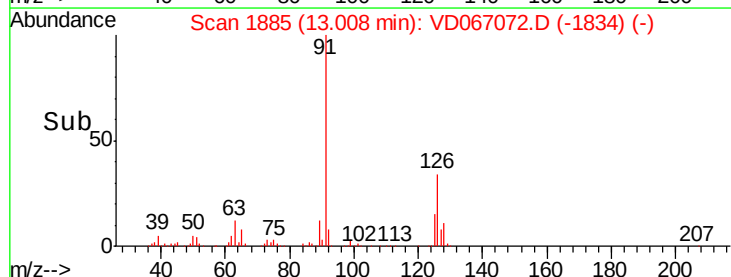
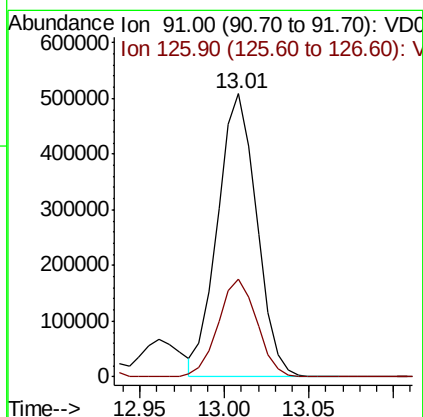
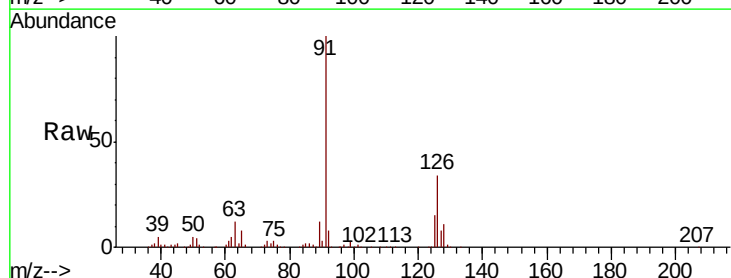
Acq: 05 Oct 2020 09:48

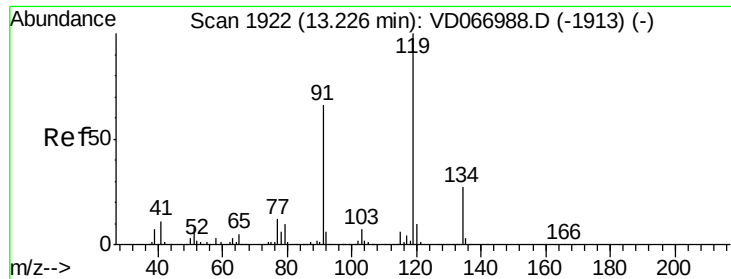
Tgt Ion: 91 Resp: 816818

Ion Ratio Lower Upper

91 100

126 34.4 17.5 52.5

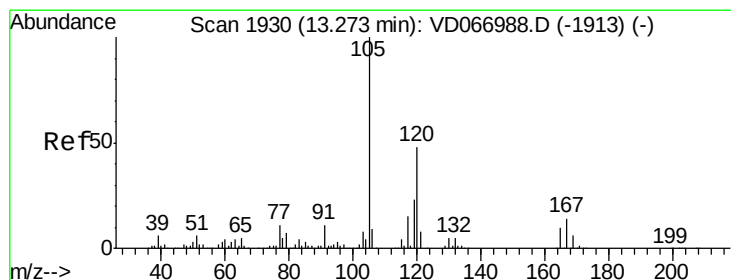
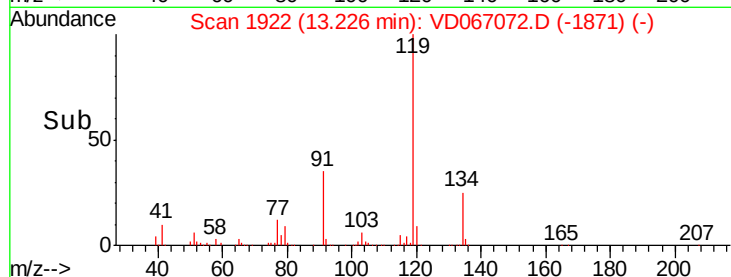
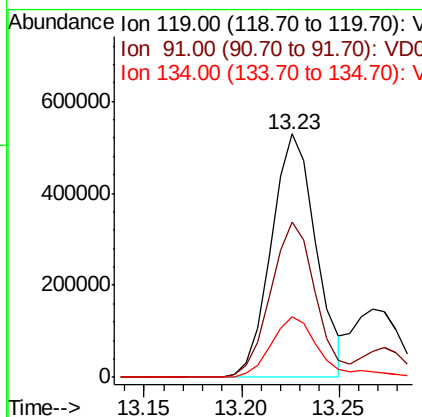
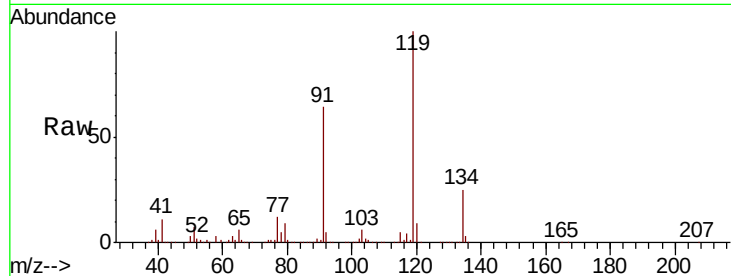




#83
 tert-Butylbenzene
 Concen: 51.744 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

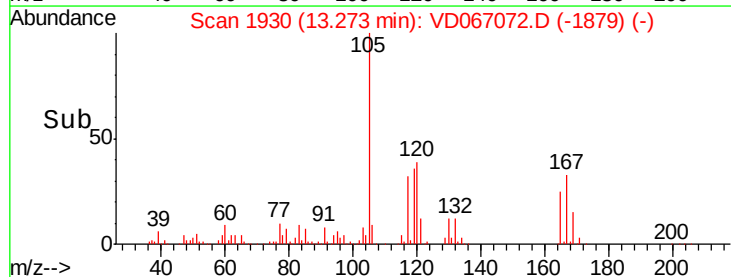
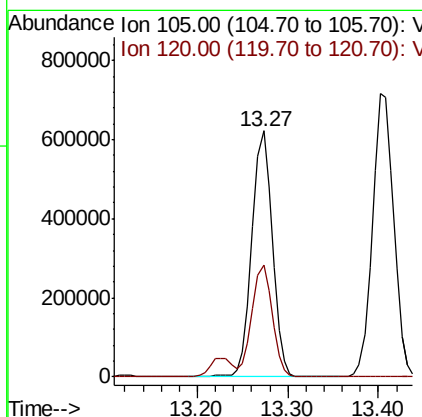
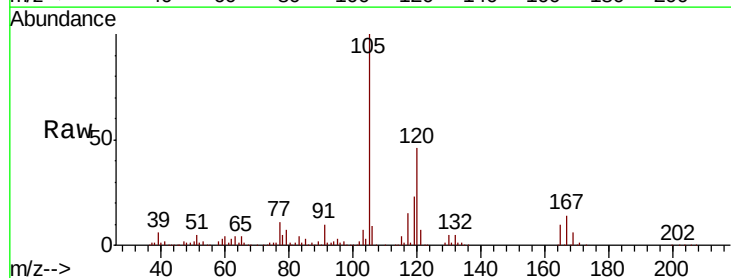
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

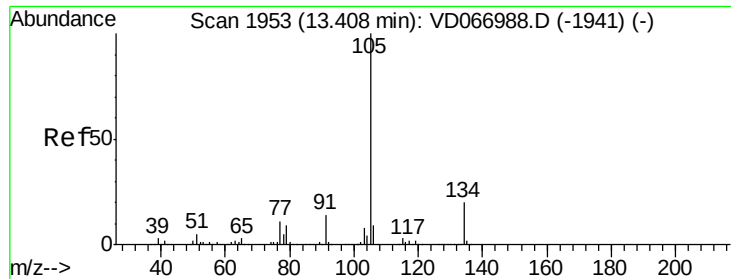
Tot Ion:119 Resp: 840809
 Ion Ratio Lower Upper
 119 100
 91 64.4 32.8 98.3
 134 27.0 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 50.774 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion:105 Resp: 977760
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.3 69.8





#85

sec-Butylbenzene

Concen: 51.008 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

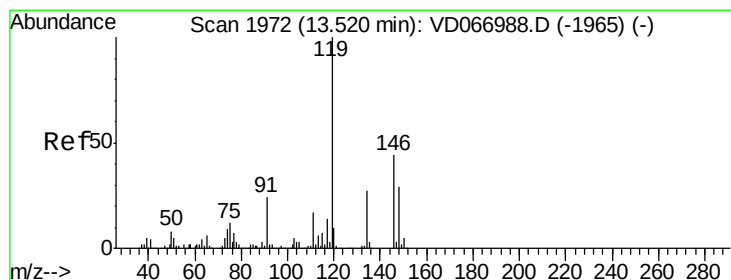
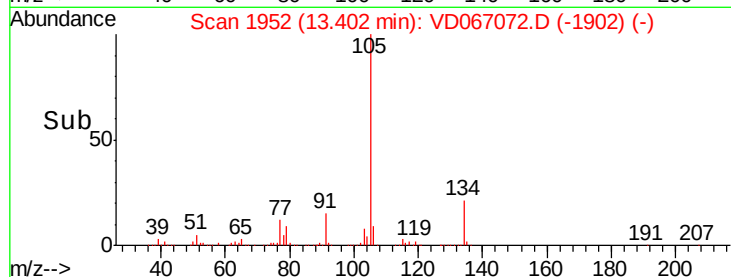
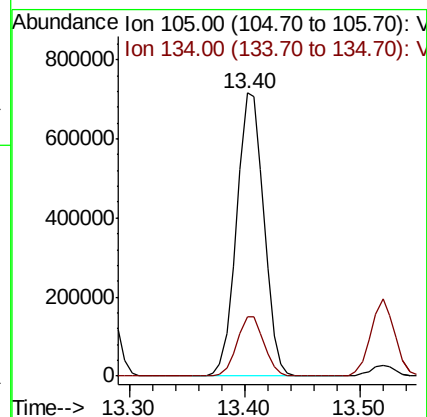
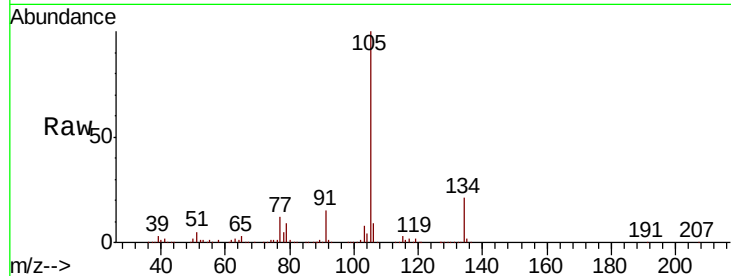
BFB

Tot Ion:105 Resp: 1167234

Ion Ratio Lower Upper

105 100

134 20.8 10.3 30.8



#86

p-Isopropyltoluene

Concen: 50.831 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

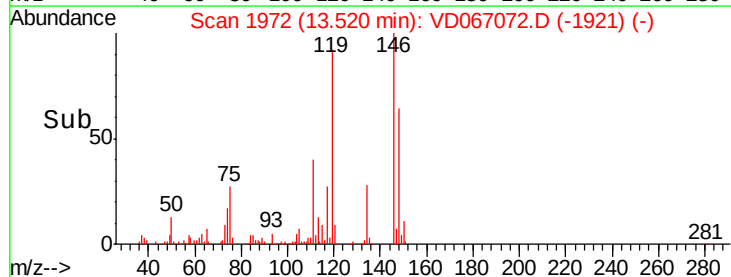
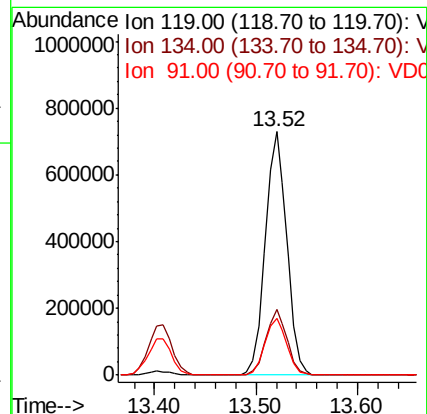
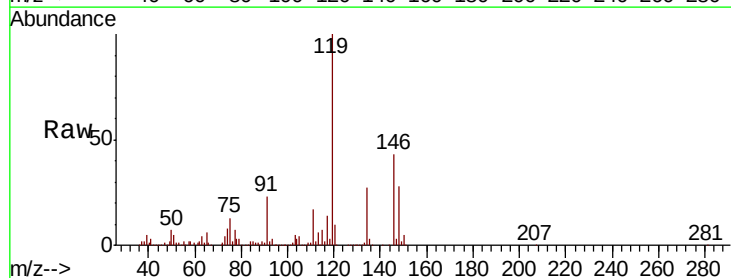
Tgt Ion:119 Resp: 1078389

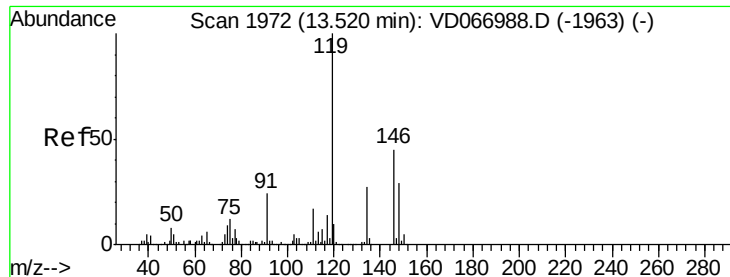
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.1

91 23.4 11.7 35.1

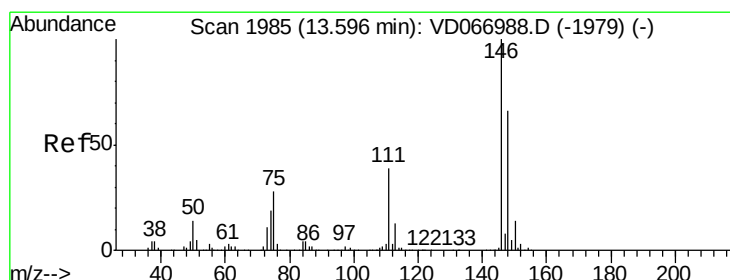
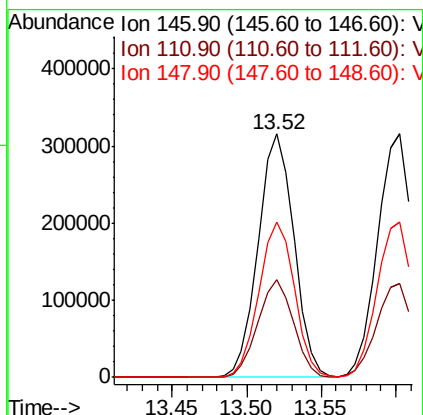
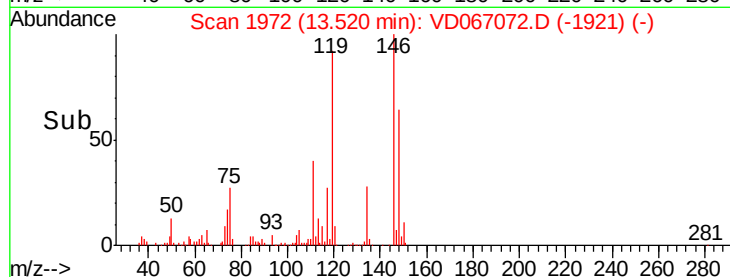
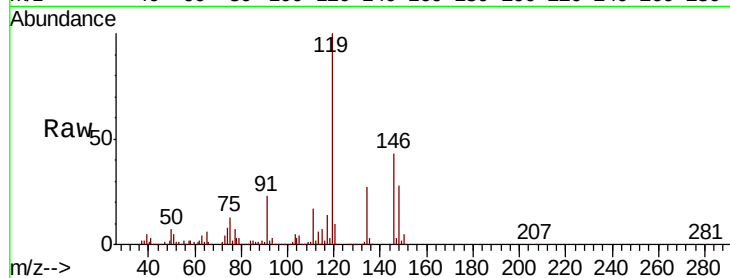




#87
 1,3-Dichlorobenzene
 Concen: 48.747 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

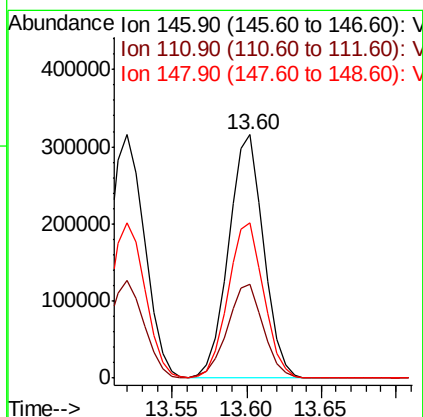
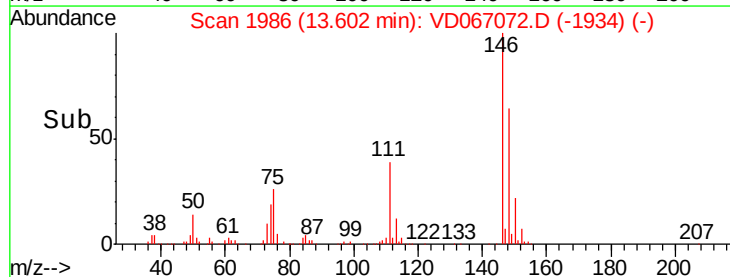
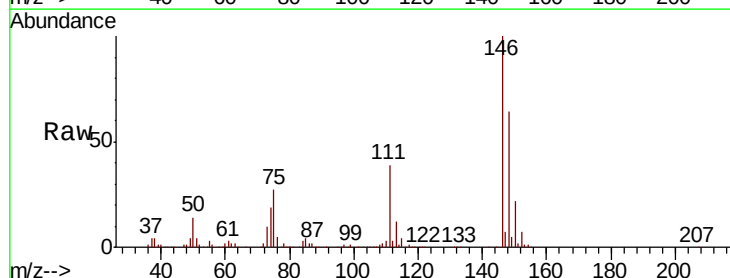
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

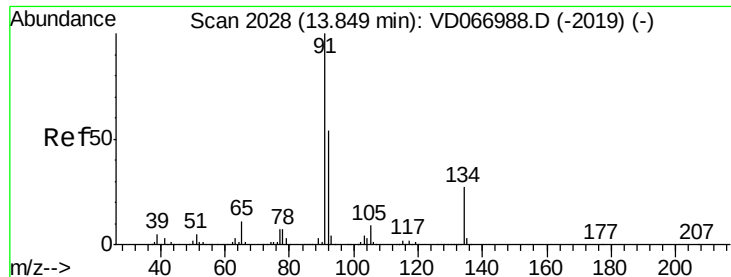
Tot Ion:146 Resp: 523634
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 60.0
 148 63.4 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 48.001 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion:146 Resp: 515562
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.6 58.7
 148 65.0 32.6 97.7

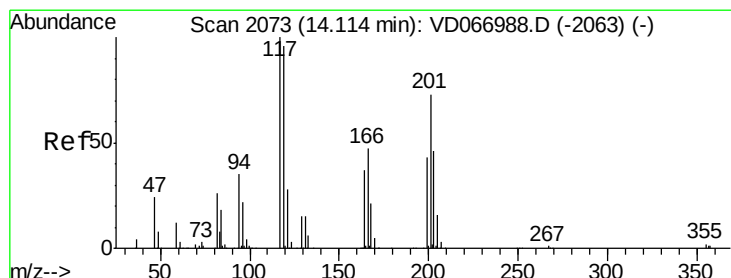
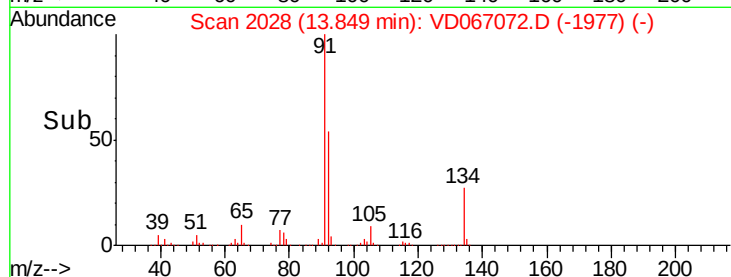
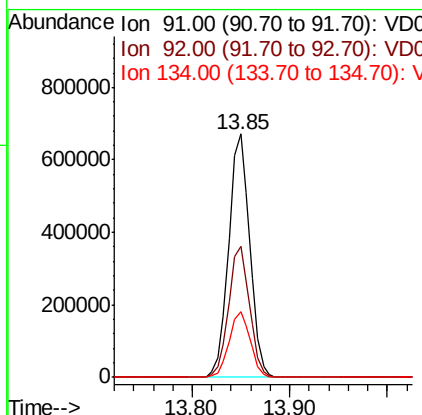
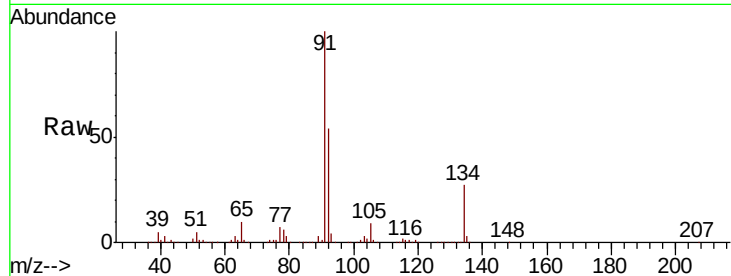




#89
n-Butylbenzene
Concen: 51.624 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

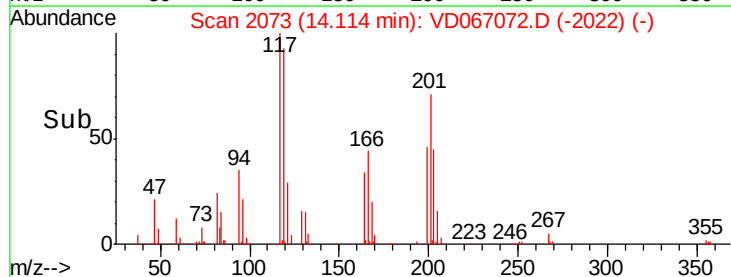
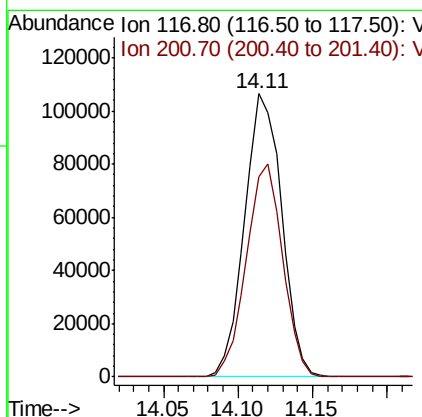
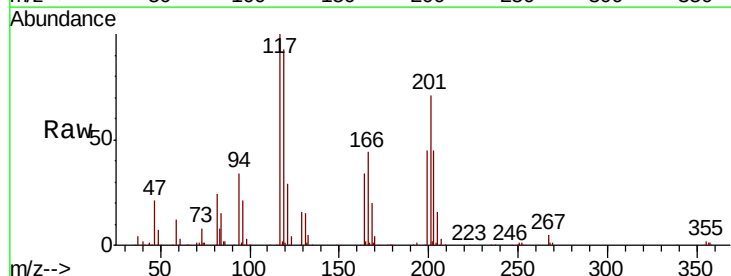
Instrument :
MSVOA_D
ClientSampleId :
BFB

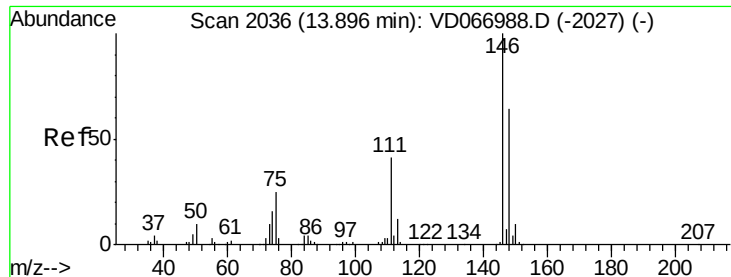
Tot Ion: 91 Resp: 1000934
Ion Ratio Lower Upper
91 100
92 53.6 27.1 81.2
134 27.0 13.6 40.8



#90
Hexachloroethane
Concen: 49.343 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion: 117 Resp: 183369
Ion Ratio Lower Upper
117 100
201 73.8 37.0 110.9

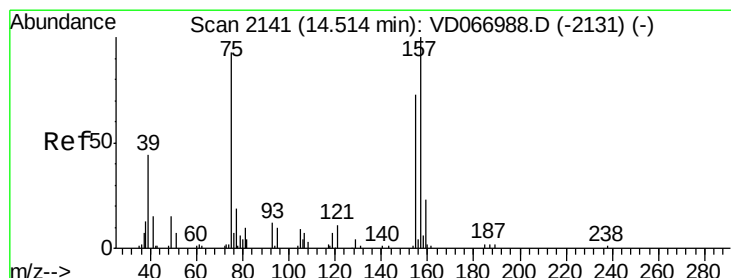
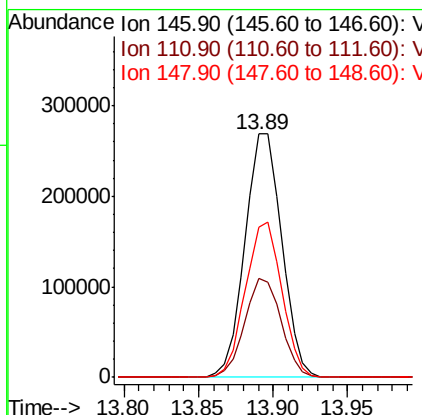
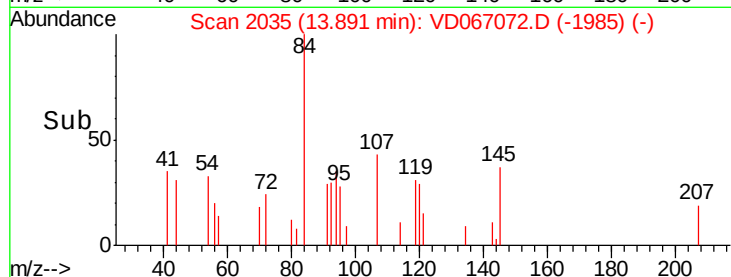
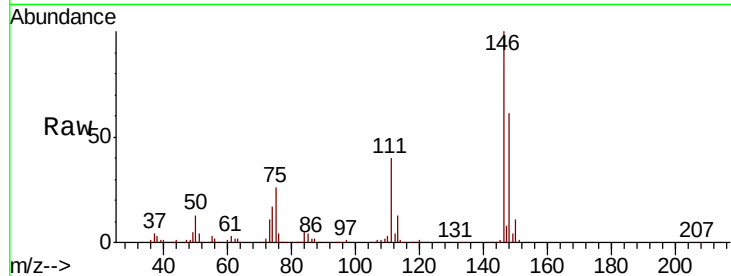




#91
 1,2-Dichlorobenzene
 Concen: 48.984 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

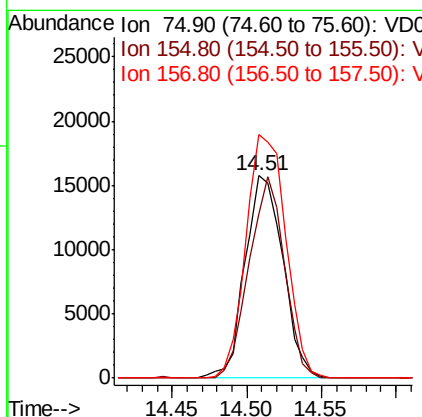
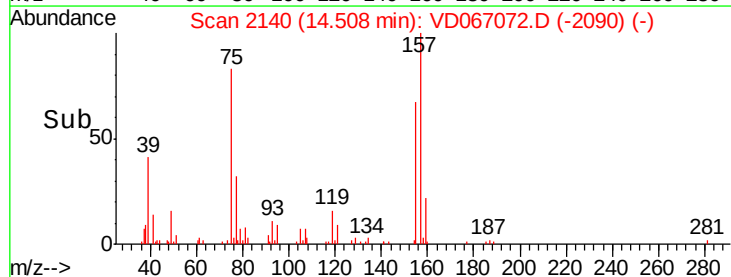
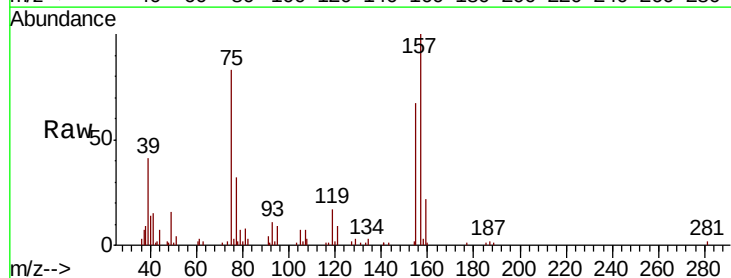
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

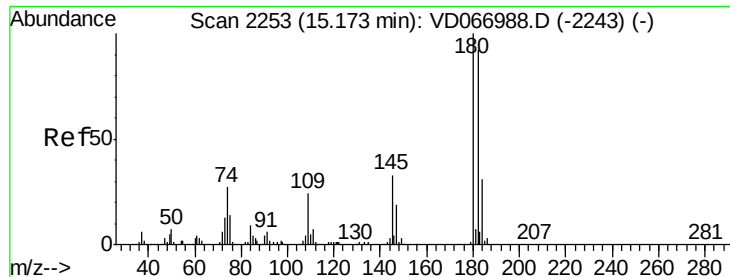
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.9	62.7
148	63.0	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.669 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	45.2	135.6
157	126.4	56.3	168.8

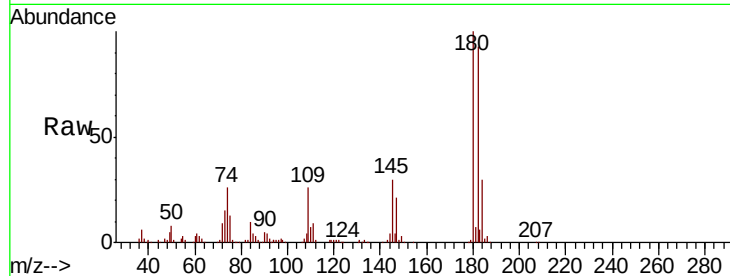




#93
 1,2,4-Trichlorobenzene
 Concen: 51.333 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Instrument :
 MSVOA_D
 ClientSampled :
 BFB

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	142.0
145	31.6	16.4	49.1

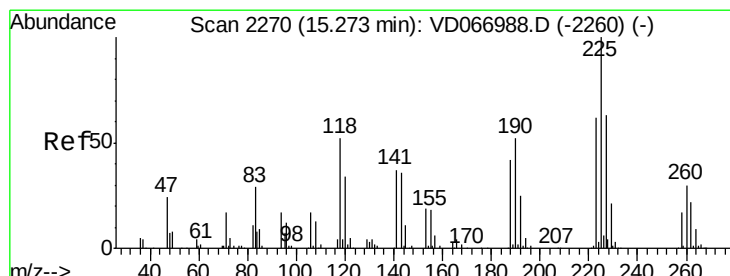
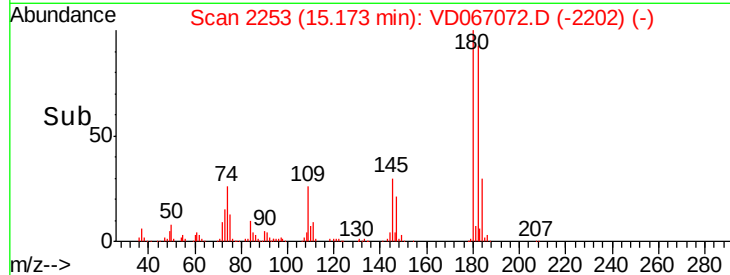
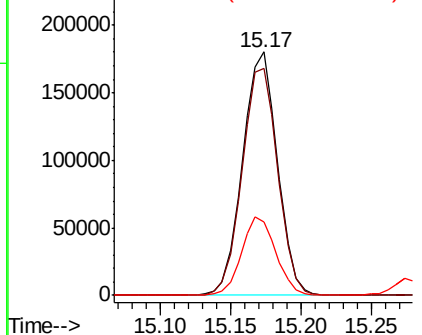


Abundance

Ion 179.80 (179.50 to 180.50): V

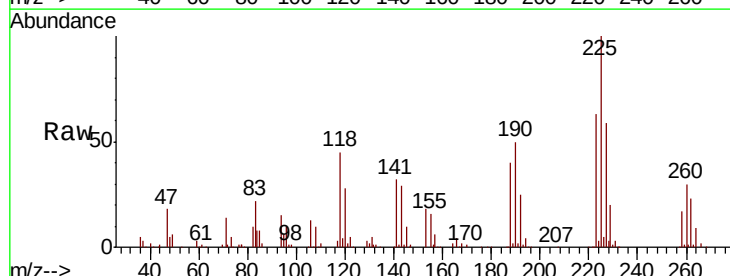
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 51.242 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	32.4	97.0
227	62.0	31.6	95.0

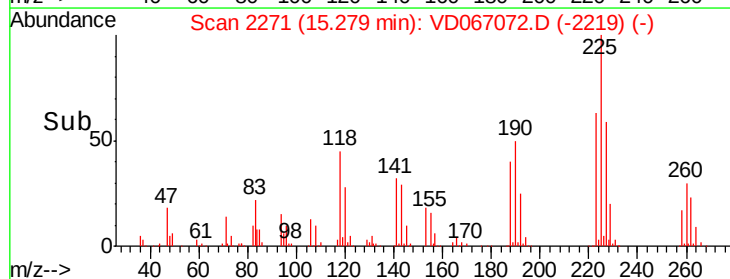
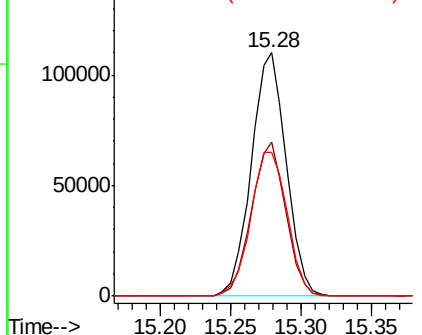


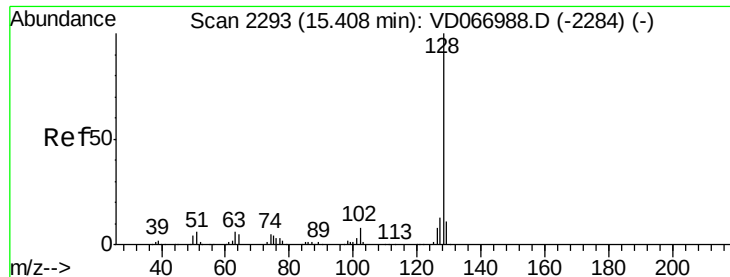
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 51.596 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

BFB

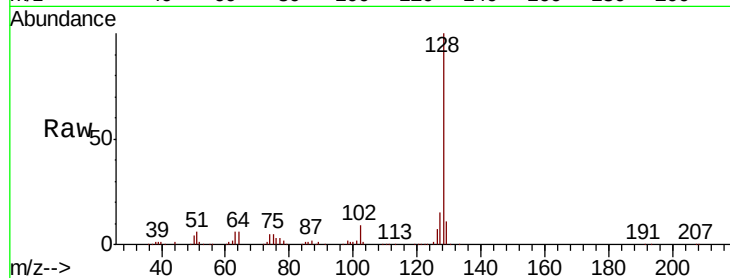
Tot Ion:128 Resp: 522223

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

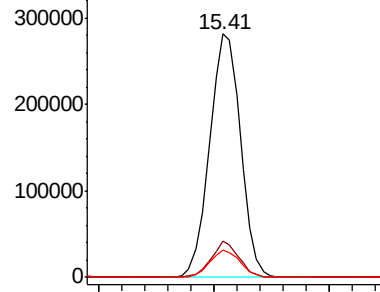
129 11.0 8.6 13.0



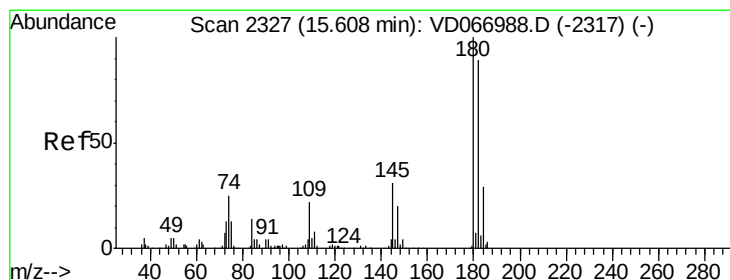
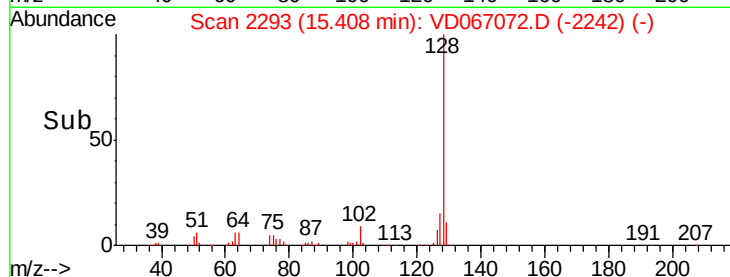
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.30 15.40 15.50



#96

1,2,3-Trichlorobenzene

Concen: 50.470 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

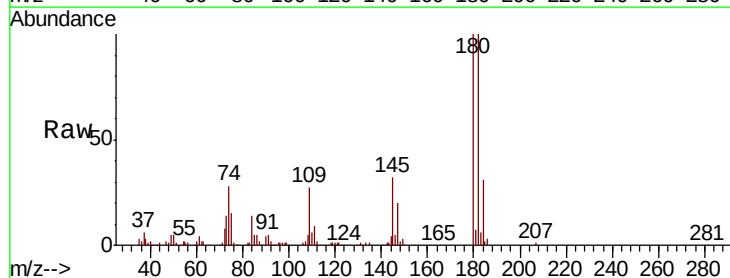
Tgt Ion:180 Resp: 265856

Ion Ratio Lower Upper

180 100

182 95.6 46.4 139.1

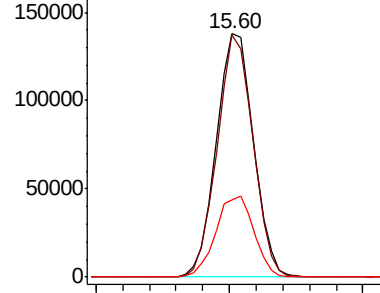
145 34.1 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time--> 15.50 15.60

