

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062320\
 Data File : VD065858.D
 Acq On : 23 Jun 2020 14:21
 Operator : VA/SY
 Sample : L3082-11
 Misc : 4.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12

Quant Time: Jun 24 04:42:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	8098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	15158	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	15875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	6240	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	23055	288.12	ug/l	0.00
Spiked Amount			Recovery	=	576.24%	
35) Dibromofluoromethane	7.91	113	9800	102.35	ug/l	0.00
Spiked Amount			Recovery	=	204.70%	
50) Toluene-d8	10.34	98	14426	40.41	ug/l	0.00
Spiked Amount			Recovery	=	80.82%	
62) 4-Bromofluorobenzene	12.64	95	6984	57.68	ug/l	0.00
Spiked Amount			Recovery	=	115.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	384	Below Cal	#	69
4) Vinyl Chloride	2.34	62	325	2.720	ug/l #	43
5) Bromomethane	2.78	94	511	6.116	ug/l	99
6) Chloroethane	2.93	64	111	1.374	ug/l #	44
8) Diethyl Ether	3.70	74	54	1.517	ug/l #	2
11) Tert butyl alcohol	5.18	59	453	76.272	ug/l #	74
15) Acrylonitrile	5.43	53	59	3.650	ug/l #	17
16) Acetone	4.16	43	6253	414.266	ug/l	96
17) Carbon Disulfide	4.40	76	374	1.515	ug/l #	75
18) Methyl Acetate	4.73	43	162	1.214	ug/l #	52
20) Methylene Chloride	4.96	84	4557	57.517	ug/l	89
23) Vinyl Acetate	6.31	43	219	1.579	ug/l #	72
25) 2-Butanone	7.21	43	1836	88.075	ug/l #	52
26) 2,2-Dichloropropane	7.20	77	1407	10.601	ug/l #	54
29) Tetrahydrofuran	7.58	42	393	29.829	ug/l #	34
31) Cyclohexane	7.99	56	409	2.850	ug/l #	67
32) 1,1,1-Trichloroethane	7.90	97	342	2.397	ug/l #	25
36) 1,1-Dichloropropene	8.11	75	293	2.018	ug/l #	41
37) Ethyl Acetate	7.30	43	156	2.728	ug/l #	52
39) Methylcyclohexane	9.36	83	462	2.687	ug/l #	17
40) Benzene	8.36	78	542	1.365	ug/l #	51
41) Methacrylonitrile	7.56	41	73	2.144	ug/l #	28
43) Isopropyl Acetate	8.46	43	196	1.723	ug/l #	51
44) Trichloroethene	9.12	130	120	1.086	ug/l	2
48) Methyl methacrylate	9.44	41	79	1.435	ug/l #	15
51) 4-Methyl-2-Pentanone	10.23	43	907	16.275	ug/l	98
52) Toluene	10.40	92	430	1.667	ug/l	85
53) t-1,3-Dichloropropene	10.61	75	187	1.425	ug/l #	42
57) 1,3-Dichloropropane	10.95	76	149	1.190	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.94	63	227	5.743	ug/l #	46
59) 2-Hexanone	11.00	43	541	14.399	ug/l #	46
64) Tetrachloroethene	10.88	164	110	1.025	ug/l #	35
67) Ethyl Benzene	11.74	91	984	1.777	ug/l	90
68) m/p-Xylenes	11.86	106	403	1.890	ug/l #	49

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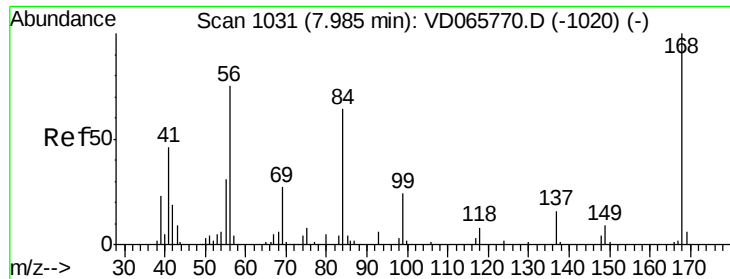
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

70) Styrene	12.19	104	415	1.247	ug/l #	36
73) Isopropylbenzene	12.48	105	668	1.597	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.73	83	72	1.019	ug/l #	25
76) 1,2,3-Trichloropropane	12.80	75	126	2.596	ug/l #	100
78) n-propylbenzene	12.82	91	1004	1.994	ug/l #	66
79) 2-Chlorotoluene	12.90	91	474	1.716	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	361	1.037	ug/l #	25
81) trans-1,4-Dichloro-2-buten	12.64	75	4066	181.026	ug/l #	9
82) 4-Chlorotoluene	12.90	91	474	1.598	ug/l	97
83) tert-Butylbenzene	13.23	119	487	1.612	ug/l #	50
84) 1,2,4-Trimethylbenzene	13.27	105	810	2.324	ug/l #	63
85) sec-Butylbenzene	13.40	105	709	1.686	ug/l #	72
86) p-Isopropyltoluene	13.51	119	706	1.832	ug/l #	74
87) 1,3-Dichlorobenzene	13.52	146	534	2.736	ug/l #	84
88) 1,4-Dichlorobenzene	13.60	146	338	1.741	ug/l #	70
89) n-Butylbenzene	13.84	91	896	2.438	ug/l	92
91) 1,2-Dichlorobenzene	13.89	146	235	1.399	ug/l #	44
93) 1,2,4-Trichlorobenzene	15.17	180	128	1.121	ug/l #	66
95) Naphthalene	15.41	128	992	5.128	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.60	180	193	1.962	ug/l #	3

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

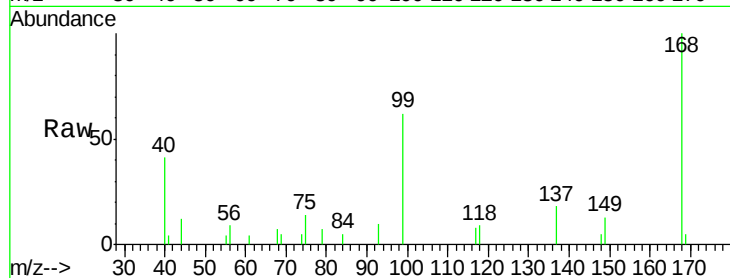
SB-12

Tot Ion:168 Resp: 8098

Ion Ratio Lower Upper

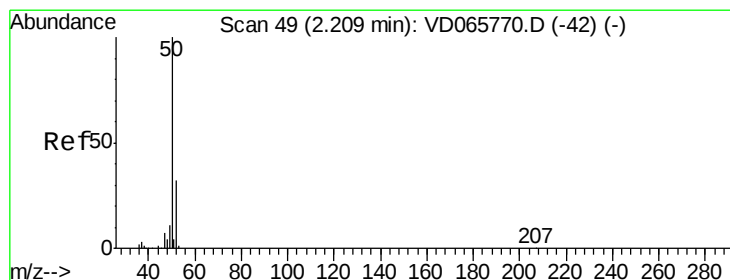
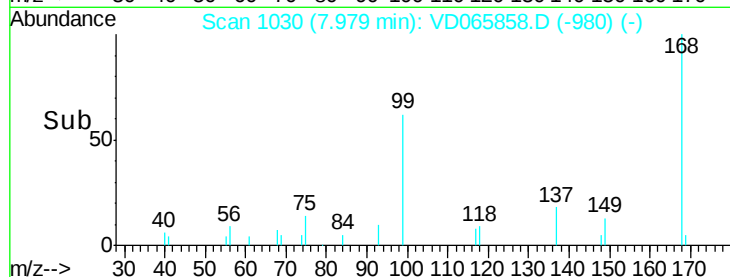
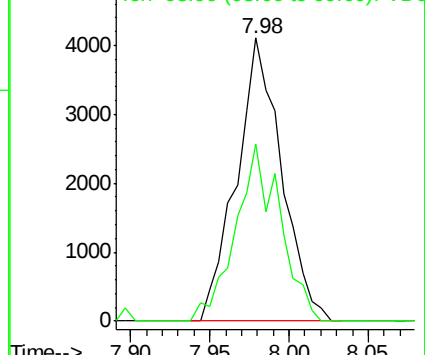
168 100

99 62.4 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD065858.D

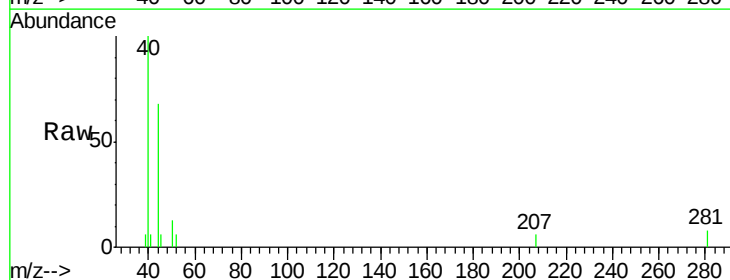
Acq: 23 Jun 2020 14:21

Tgt Ion: 50 Resp: 384

Ion Ratio Lower Upper

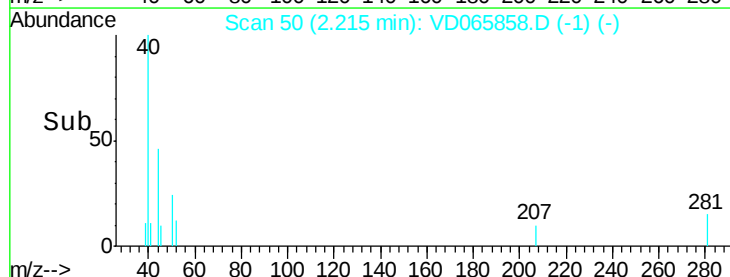
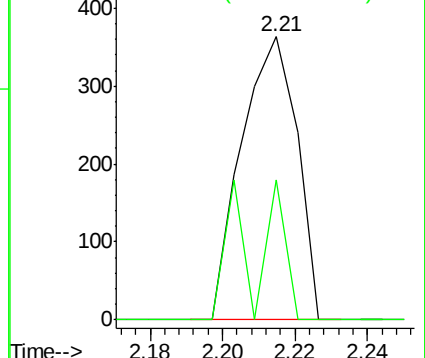
50 100

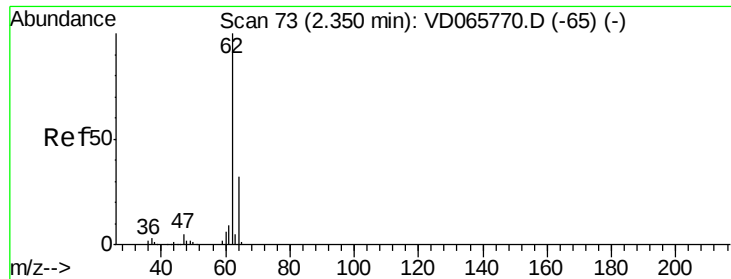
52 49.3 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#4

Vinyl Chloride

Concen: 2.720 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

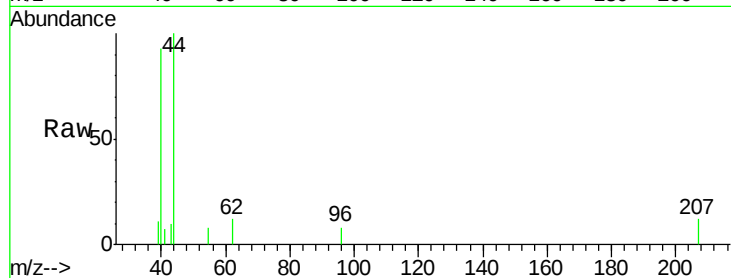
SB-12

Tot Ion: 62 Resp: 325

Ion Ratio Lower Upper

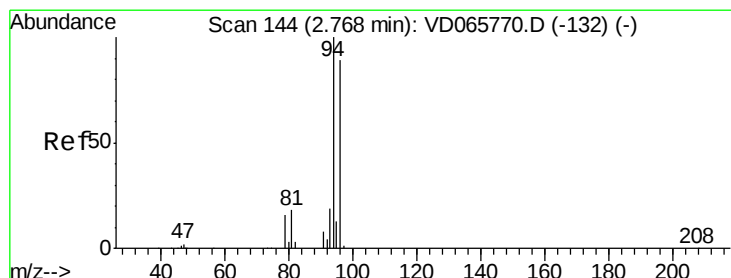
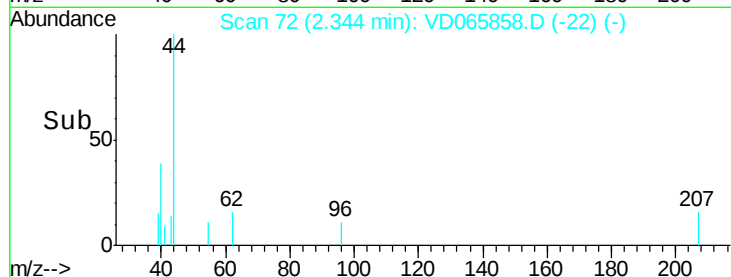
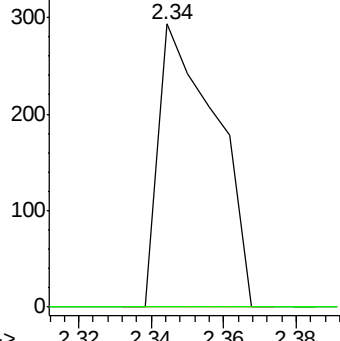
62 100

64 0.0 25.3 37.9#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



#5

Bromomethane

Concen: 6.116 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065858.D

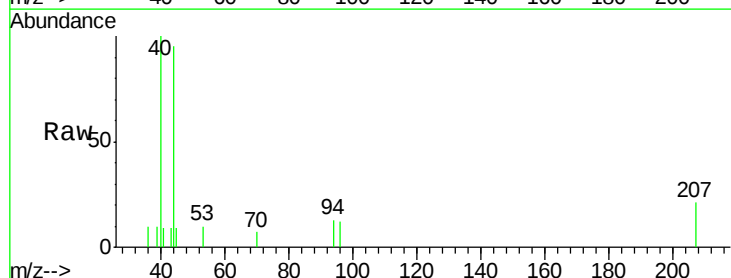
Acq: 23 Jun 2020 14:21

Tgt Ion: 94 Resp: 511

Ion Ratio Lower Upper

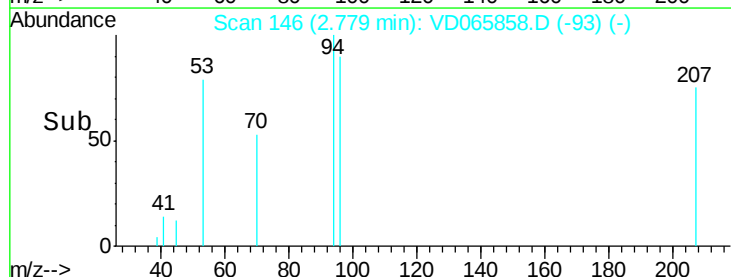
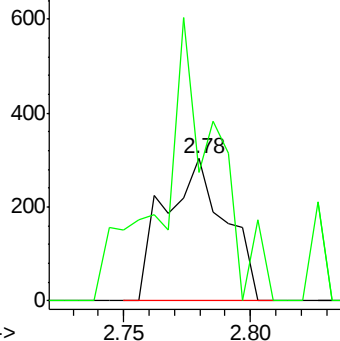
94 100

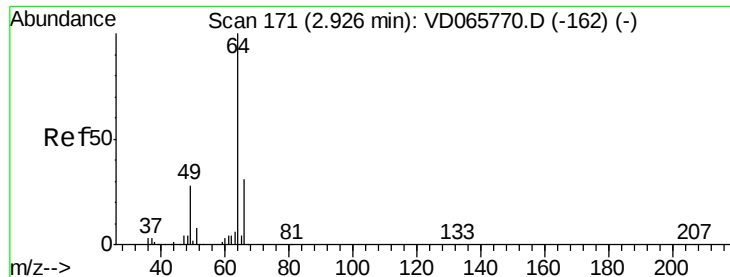
96 90.1 71.4 107.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 1.374 ug/l

RT: 2.93 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

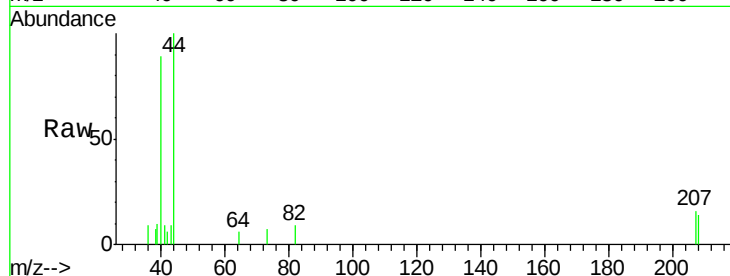
SB-12

Tot Ion: 64 Resp: 111

Ion Ratio Lower Upper

64 100

66 0.0 24.5 36.7#



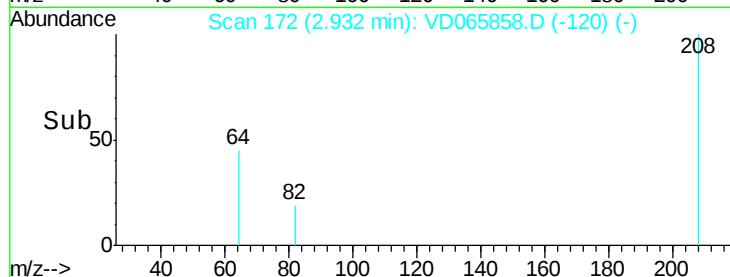
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

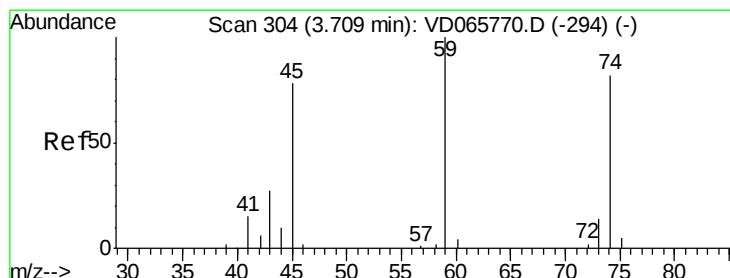
2.93

2.94

2.96



Time-->



#8

Diethyl Ether

Concen: 1.517 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065858.D

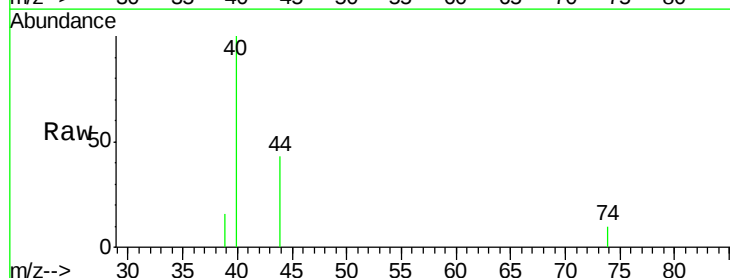
Acq: 23 Jun 2020 14:21

Tgt Ion: 74 Resp: 54

Ion Ratio Lower Upper

74 100

45 0.0 47.9 143.8#



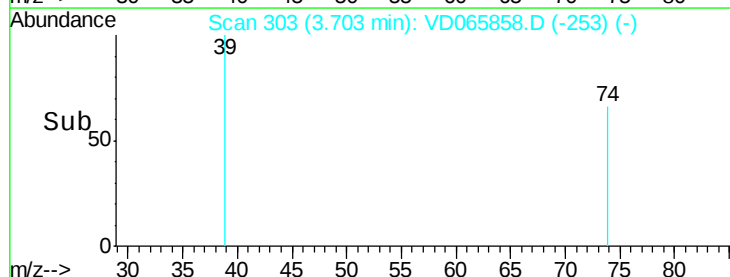
Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

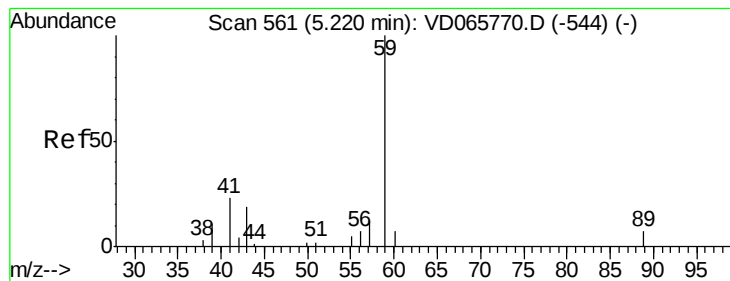
3.70

3.71

3.72



Time-->

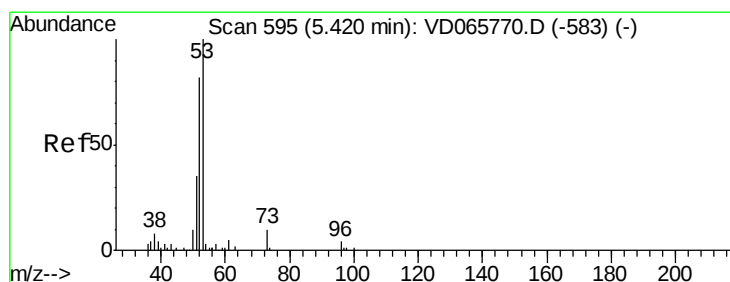
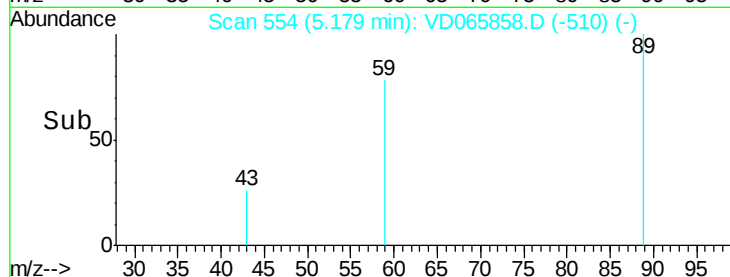
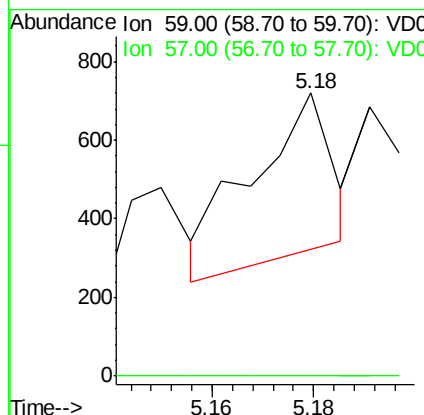
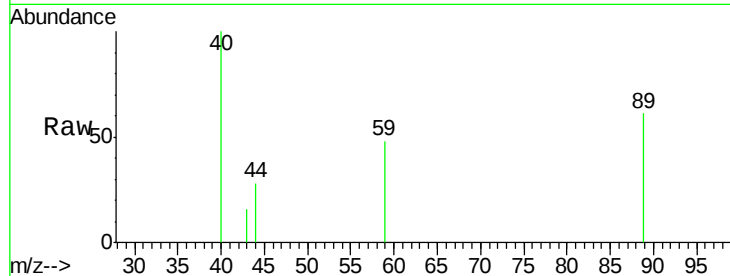


#11

Tert butyl alcohol
 Concen: 76.272 ug/l
 RT: 5.18 min Scan# 554
 Delta R.T. -0.04 min
 Lab File: VD065858.D
 Acq: 23 Jun 2020 14:21

Instrument :
 MSVOA_D
 ClientSampled :
 SB-12

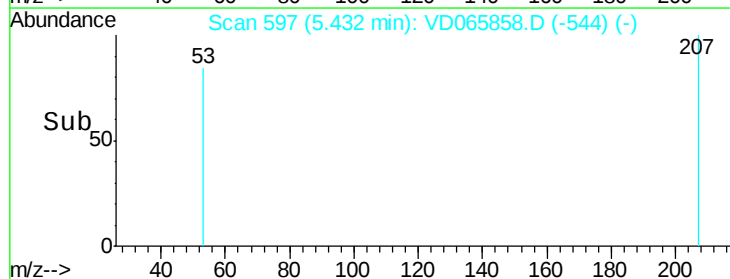
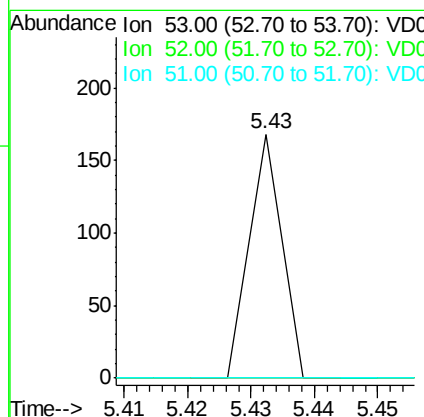
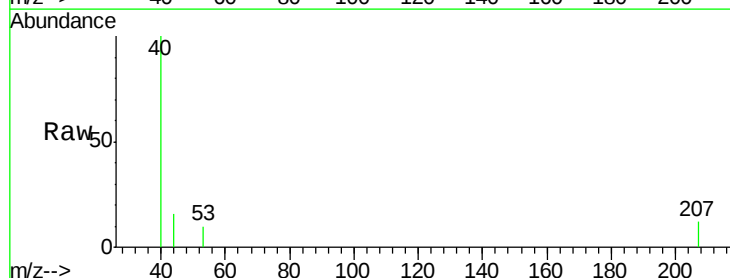
Tot Ion: 59 Resp: 453
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

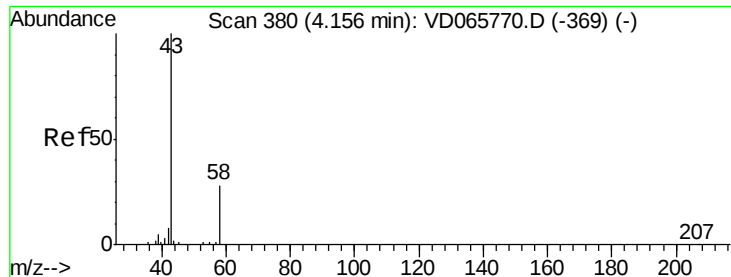


#15

Acrylonitrile
 Concen: 3.650 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: VD065858.D
 Acq: 23 Jun 2020 14:21

Tgt Ion: 53 Resp: 59
 Ion Ratio Lower Upper
 53 100
 52 0.0 66.2 99.2#
 51 0.0 30.7 46.1#





#16

Acetone

Concen: 414.266 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampled :

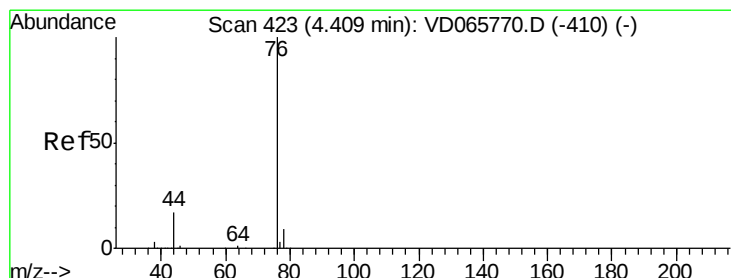
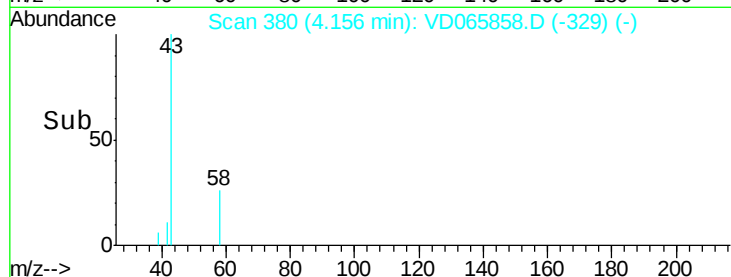
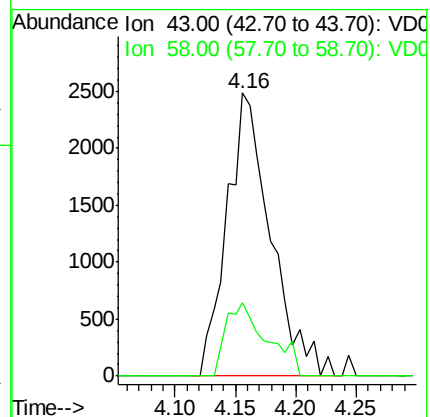
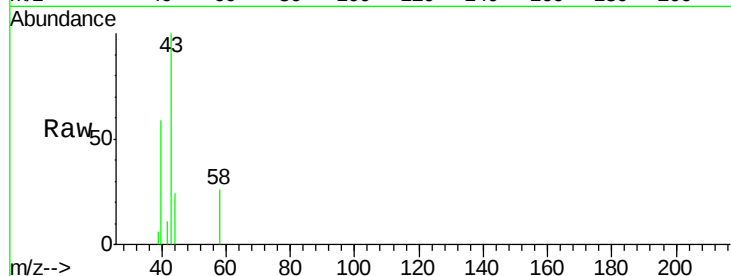
SB-12

Tot Ion: 43 Resp: 6253

Ion Ratio Lower Upper

43 100

58 25.9 22.3 33.5



#17

Carbon Disulfide

Concen: 1.515 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD065858.D

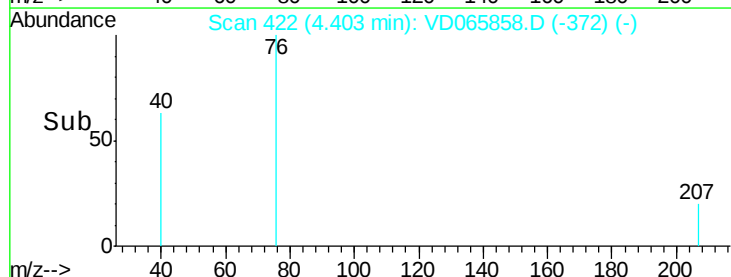
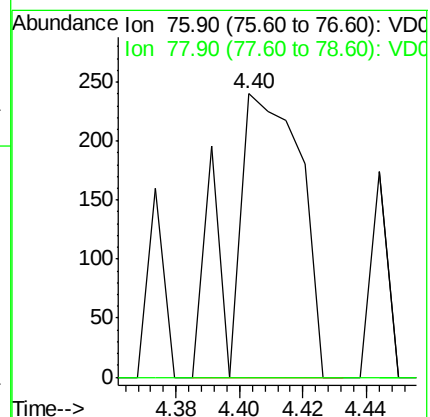
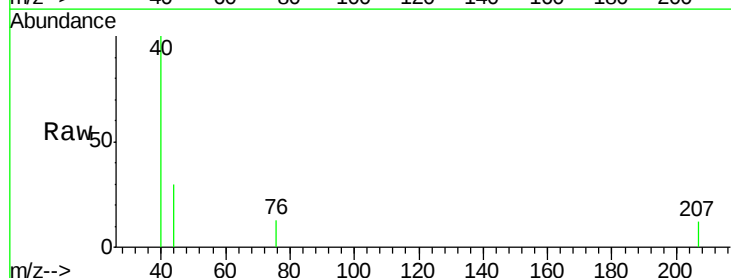
Acq: 23 Jun 2020 14:21

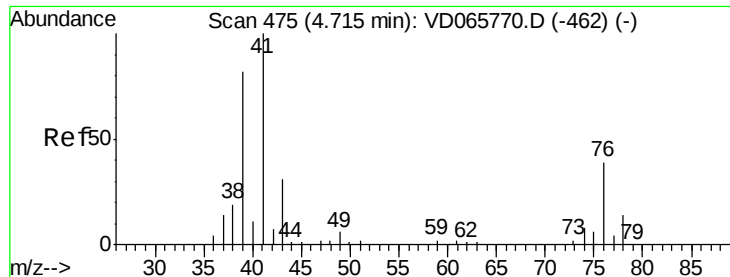
Tgt Ion: 76 Resp: 374

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

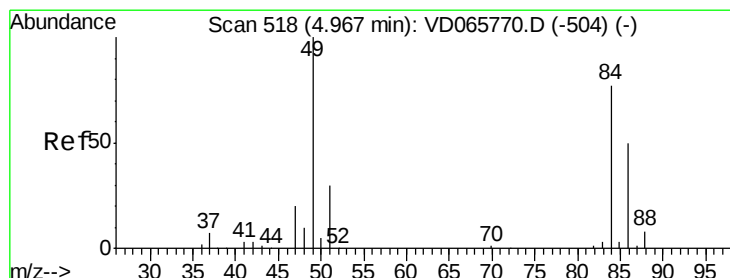
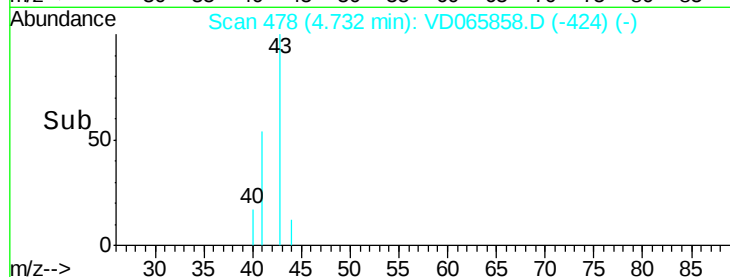
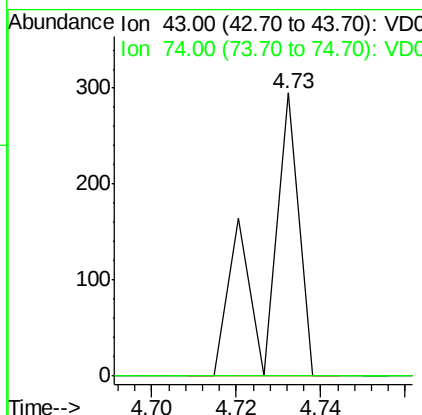
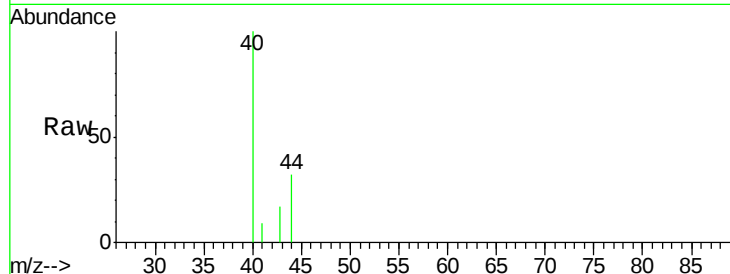




#18
Methyl Acetate
Concen: 1.214 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.02 min
Lab File: VD065858.D
Acq: 23 Jun 2020 14:21

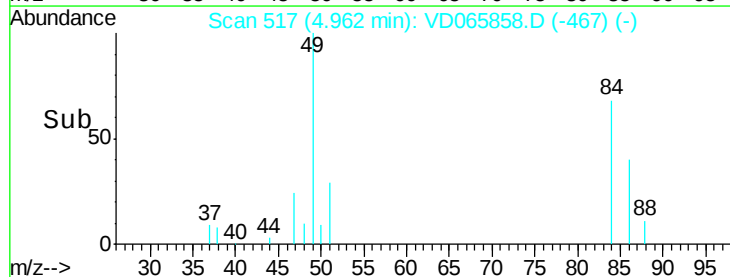
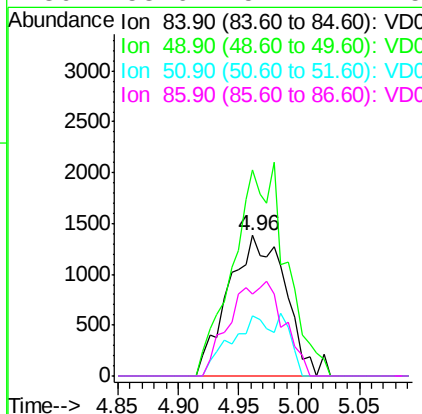
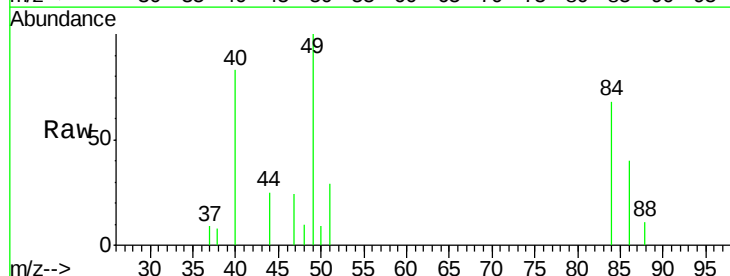
Instrument :
MSVOA_D
ClientSampleId :
SB-12

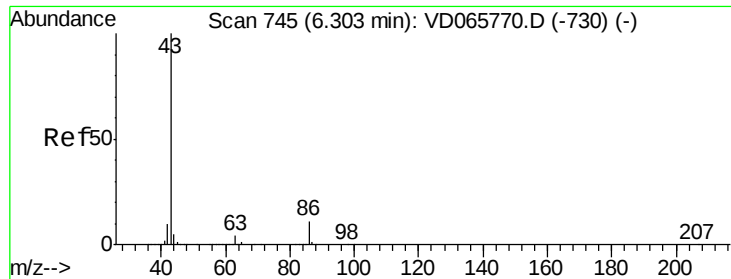
Tot Ion: 43 Resp: 162
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#



#20
Methylene Chloride
Concen: 57.517 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065858.D
Acq: 23 Jun 2020 14:21

Tgt Ion: 84 Resp: 4557
Ion Ratio Lower Upper
84 100
49 146.5 103.4 155.0
51 43.0 31.4 47.2
86 58.6 51.7 77.5

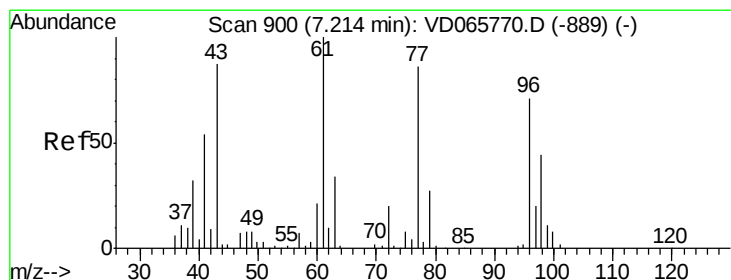
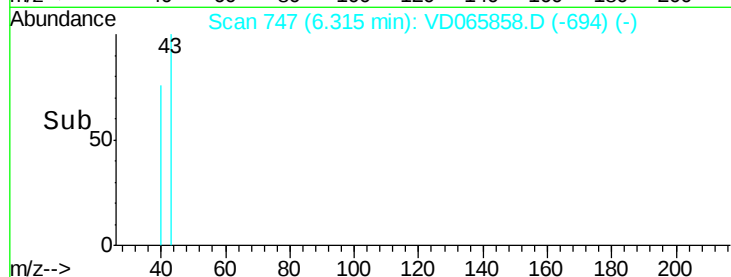
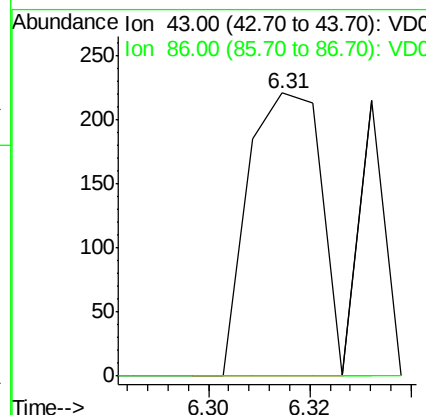
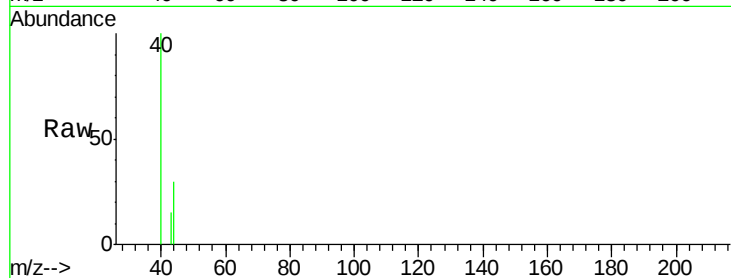




#23
 Vinyl Acetate
 Concen: 1.579 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VD065858.D
 Acq: 23 Jun 2020 14:21

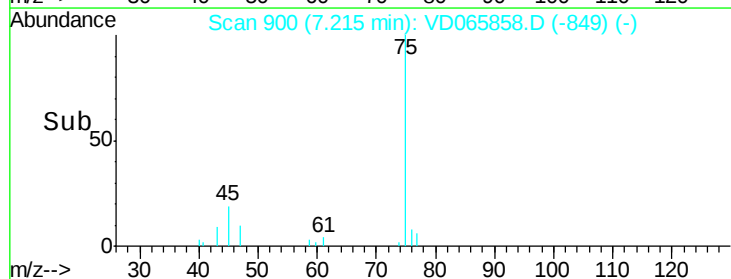
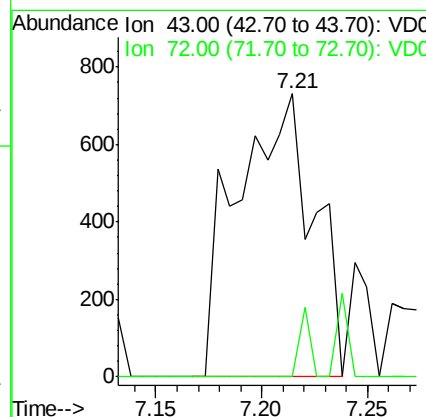
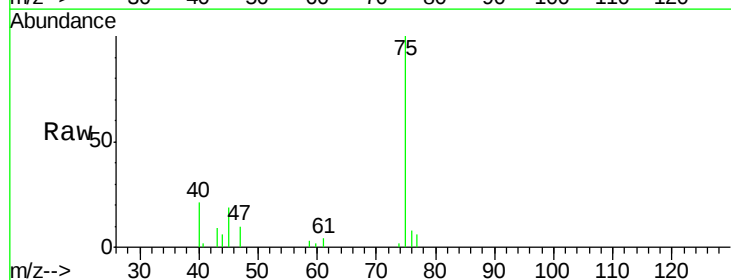
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12

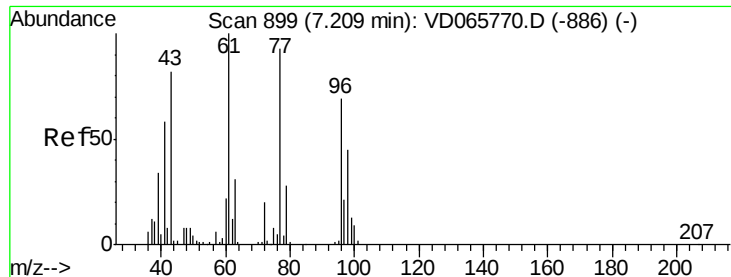
Tot Ion: 43 Resp: 219
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.5 12.7#



#25
 2-Butanone
 Concen: 88.075 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065858.D
 Acq: 23 Jun 2020 14:21

Tgt Ion: 43 Resp: 1836
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.5 27.7#





#26

2,2-Dichloropropane

Concen: 10.601 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

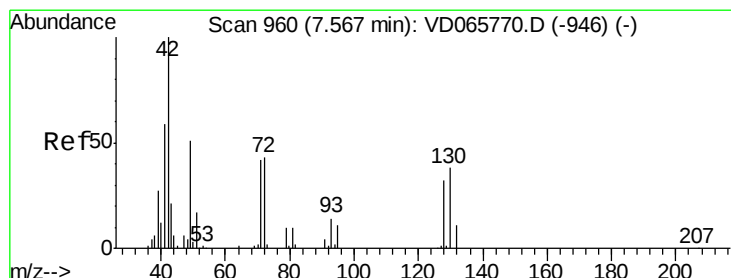
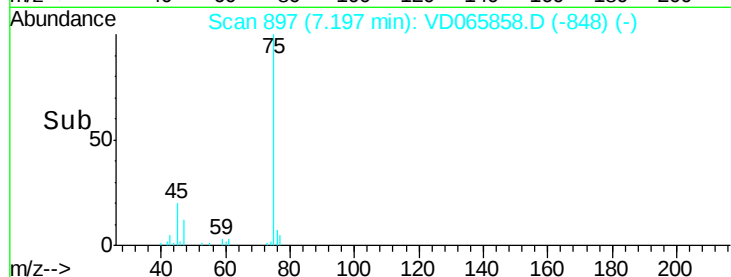
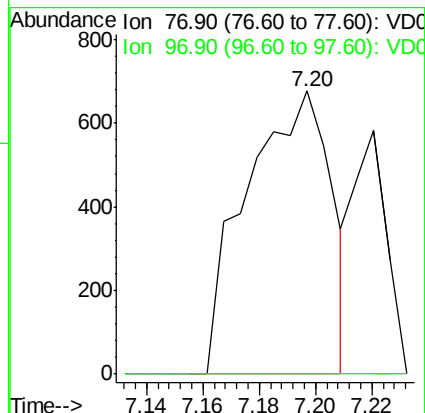
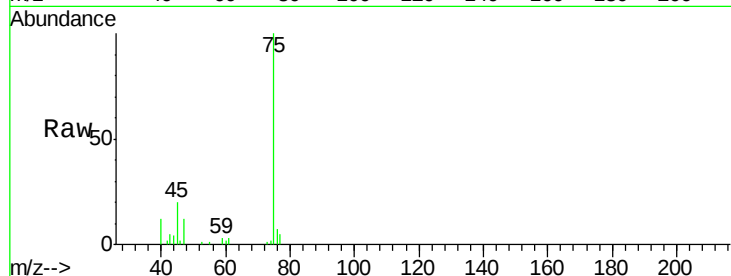
SB-12

Tot Ion: 77 Resp: 1407

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.7#



#29

Tetrahydrofuran

Concen: 29.829 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

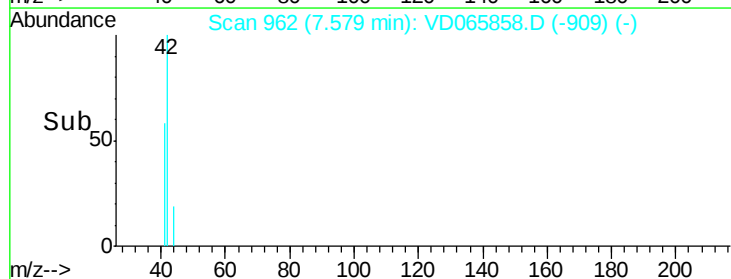
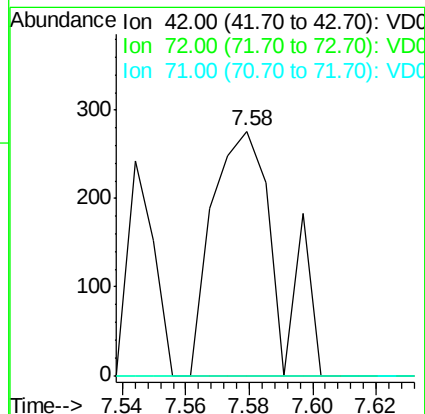
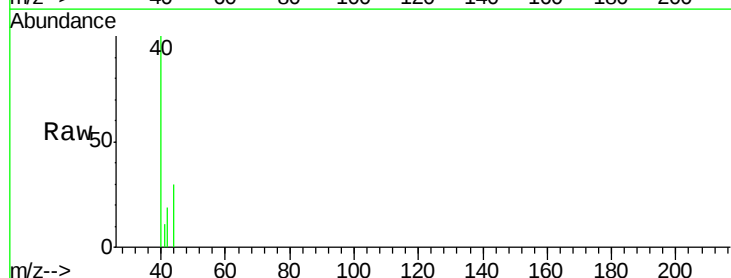
Tgt Ion: 42 Resp: 393

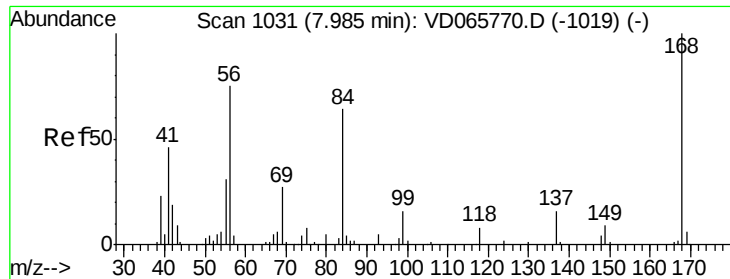
Ion Ratio Lower Upper

42 100

72 0.0 34.9 52.3#

71 0.0 31.2 46.8#

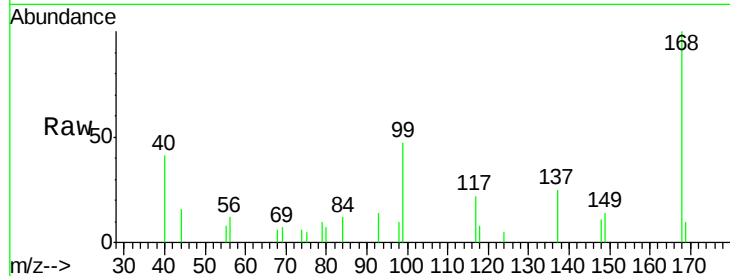




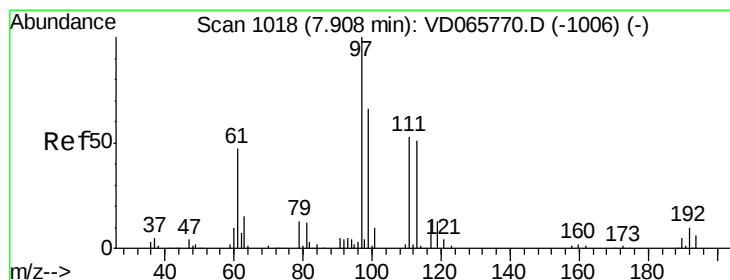
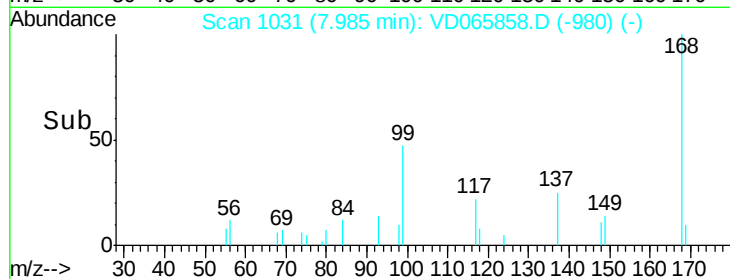
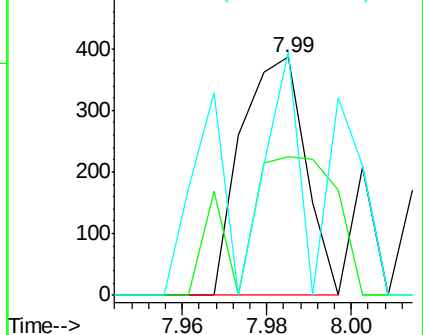
#31
Cyclohexane
Concen: 2.850 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065858.D
Acq: 23 Jun 2020 14:21

Instrument :
MSVOA_D
ClientSampleID :
SB-12

Tot Ion: 56 Resp: 409
Ion Ratio Lower Upper
56 100
69 58.3 28.5 42.7#
84 57.5 68.4 102.6#

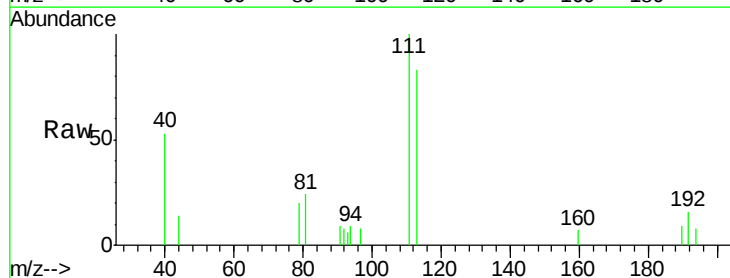


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

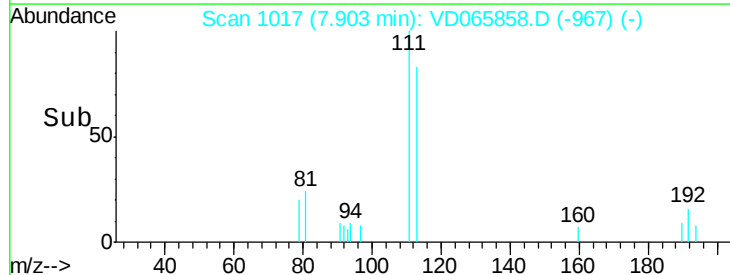
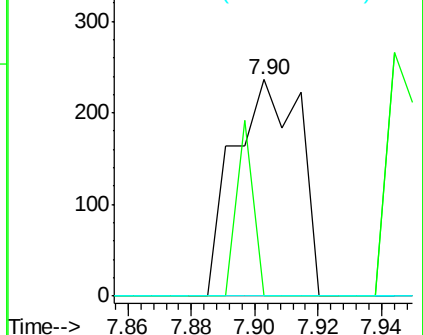


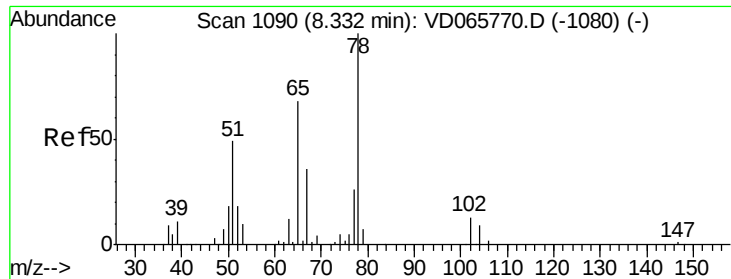
#32
1,1,1-Trichloroethane
Concen: 2.397 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065858.D
Acq: 23 Jun 2020 14:21

Tgt Ion: 97 Resp: 342
Ion Ratio Lower Upper
97 100
99 0.0 49.2 73.8#
61 0.0 36.0 54.0#



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

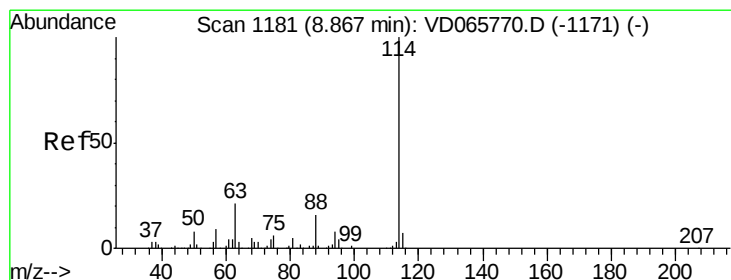
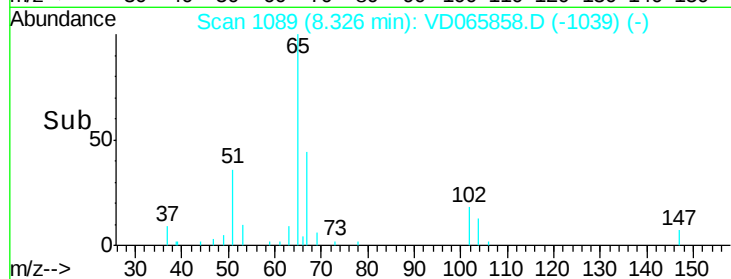
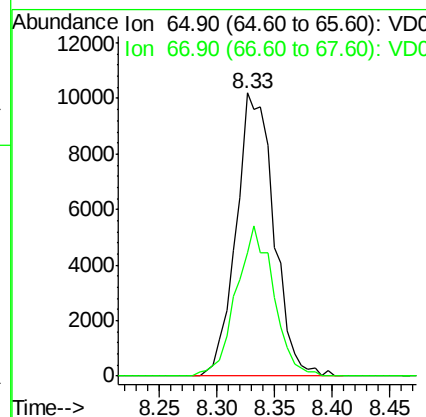
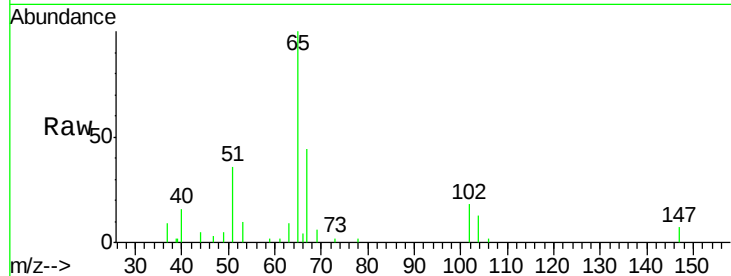




#33
 1,2-Dichloroethane-d4
 Concen: 288.119 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD065858.D
 Acq: 23 Jun 2020 14:21

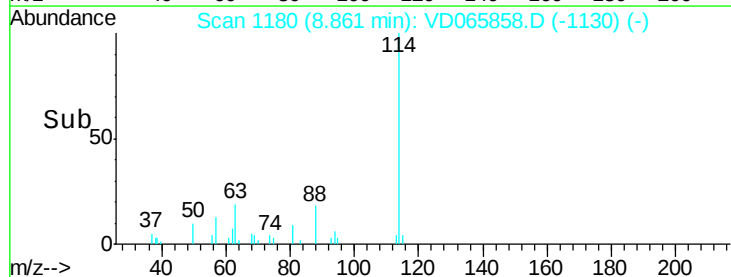
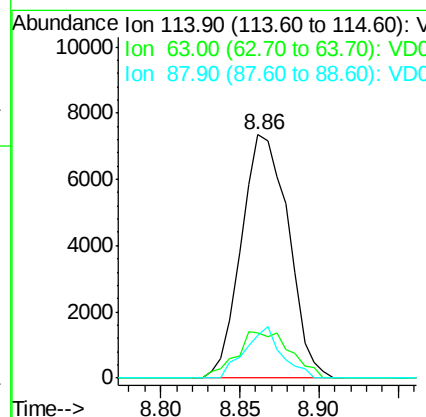
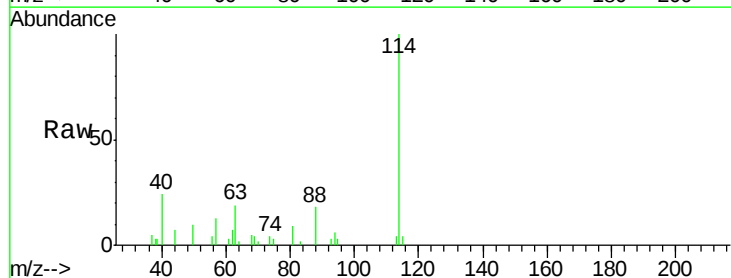
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12

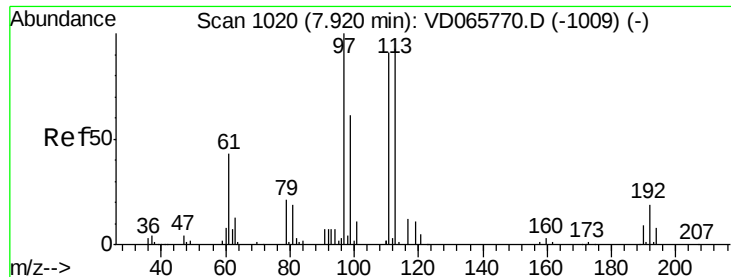
Tot Ion: 65 Resp: 23055
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD065858.D
 Acq: 23 Jun 2020 14:21

Tgt Ion:114 Resp: 15158
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 41.8
 88 17.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 102.353 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampled :

SB-12

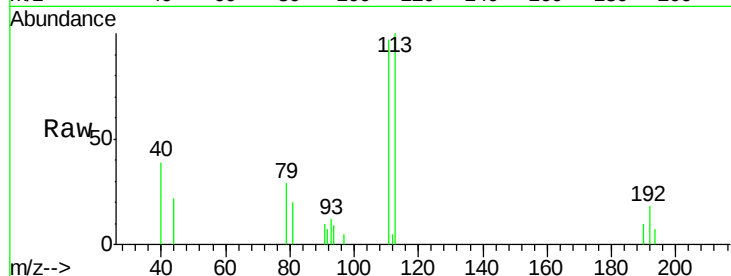
Tot Ion:113 Resp: 9800

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.0

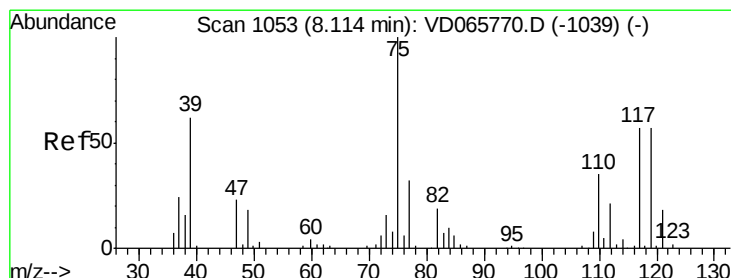
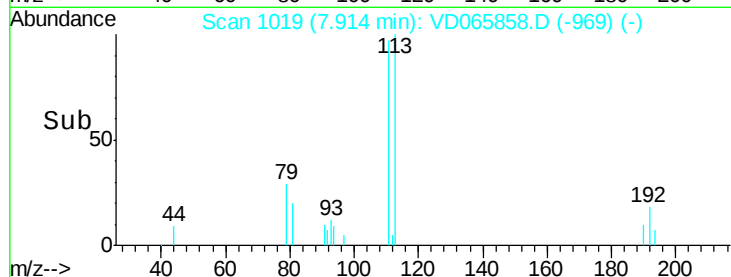
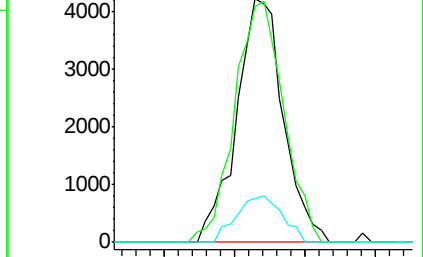
192 18.7 15.7 23.5



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: 2.018 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

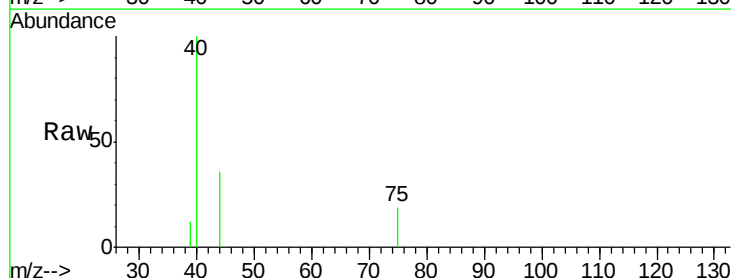
Tgt Ion: 75 Resp: 293

Ion Ratio Lower Upper

75 100

110 0.0 17.6 52.8#

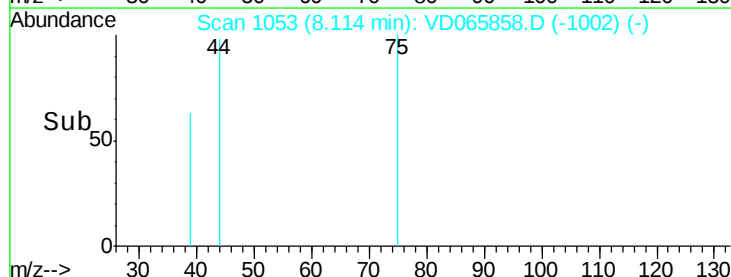
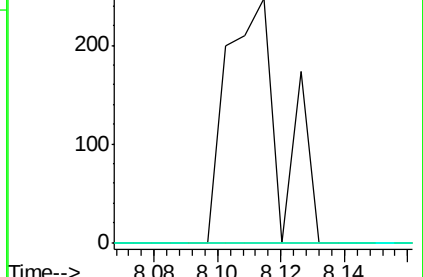
77 0.0 25.1 37.7#

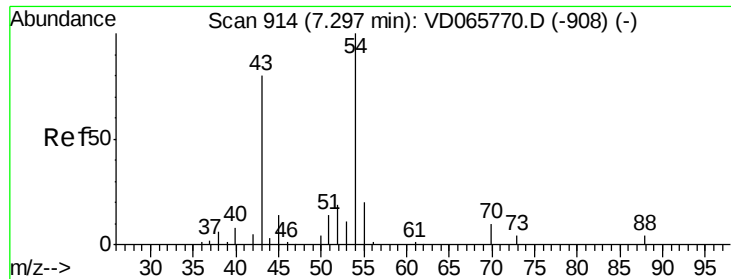


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

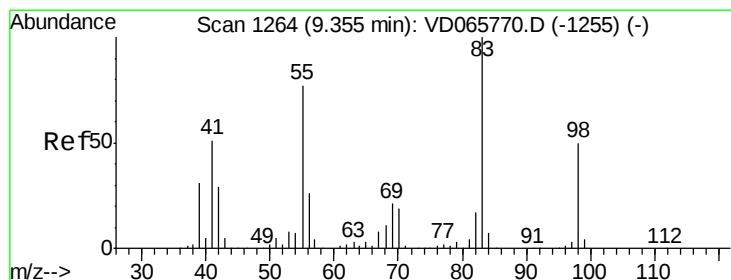
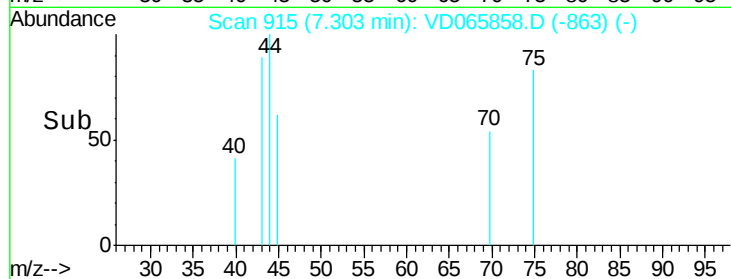
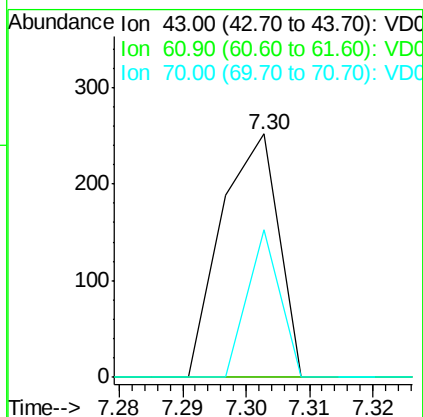
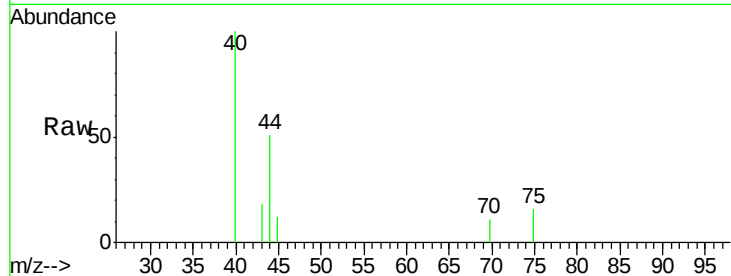




#37
Ethyl Acetate
Concen: 2.728 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065858.D
Acq: 23 Jun 2020 14:21

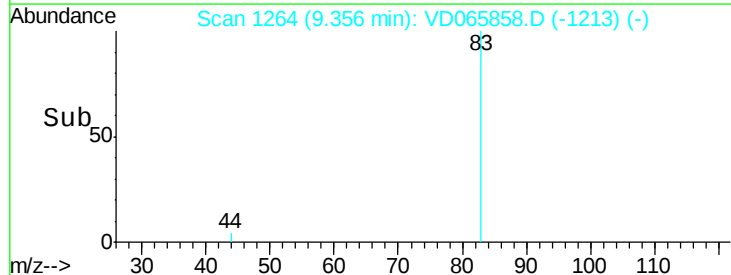
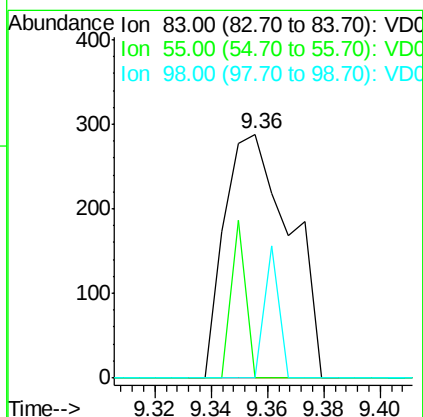
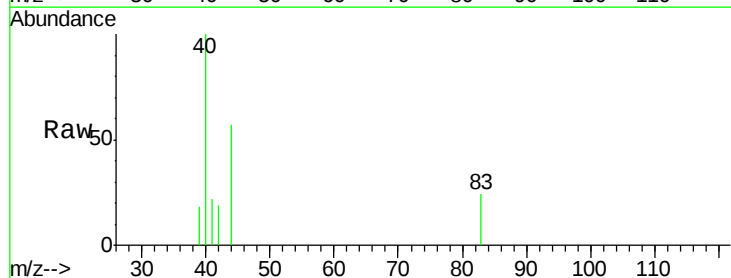
Instrument :
MSVOA_D
ClientSampled :
SB-12

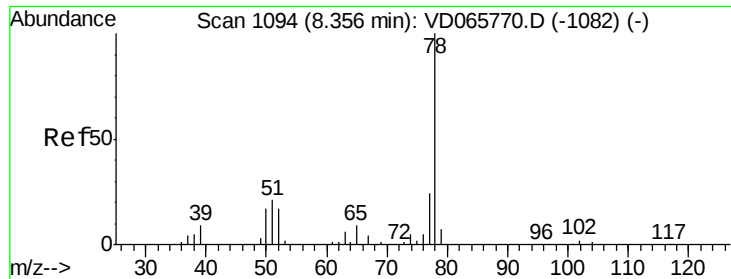
Tot Ion: 43 Resp: 156
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 34.6 7.5 11.3#



#39
Methylcyclohexane
Concen: 2.687 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065858.D
Acq: 23 Jun 2020 14:21

Tgt Ion: 83 Resp: 462
Ion Ratio Lower Upper
83 100
55 0.0 61.6 92.4#
98 0.0 40.2 60.2#





#40

Benzene

Concen: 1.365 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampled :

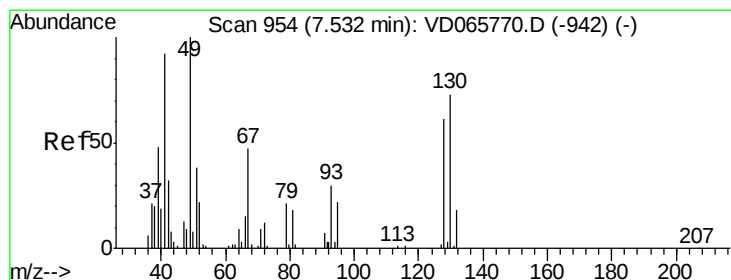
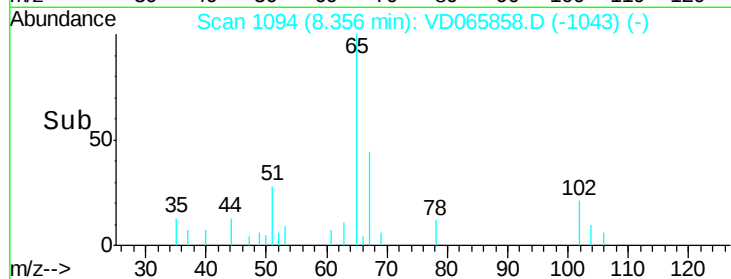
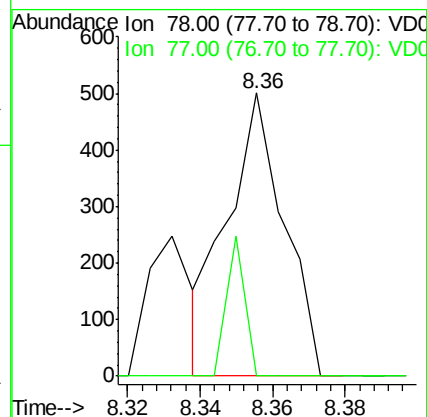
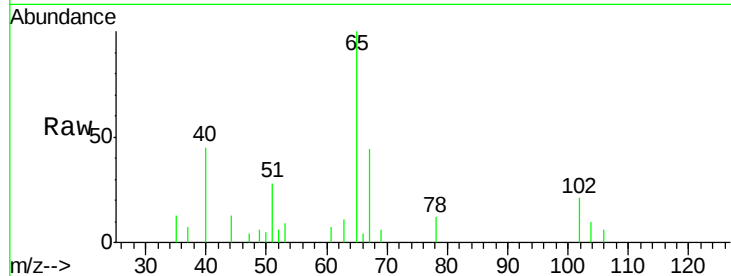
SB-12

Tot Ion: 78 Resp: 542

Ion Ratio Lower Upper

78 100

77 0.0 19.2 28.8#



#41

Methacrylonitrile

Concen: 2.144 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.02 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Tgt Ion: 41 Resp: 73

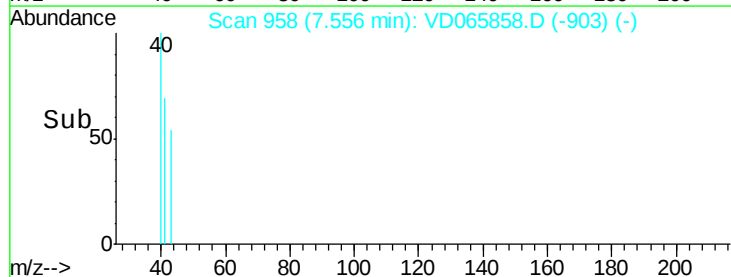
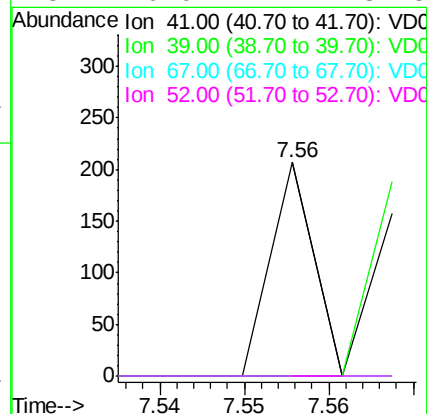
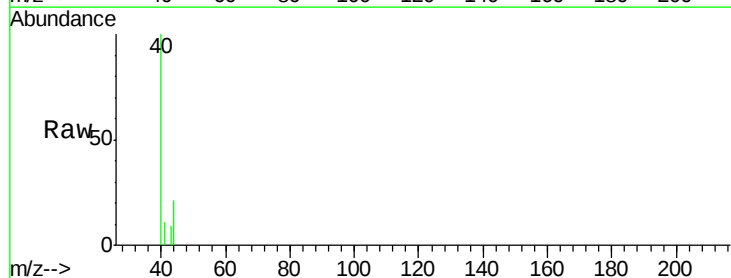
Ion Ratio Lower Upper

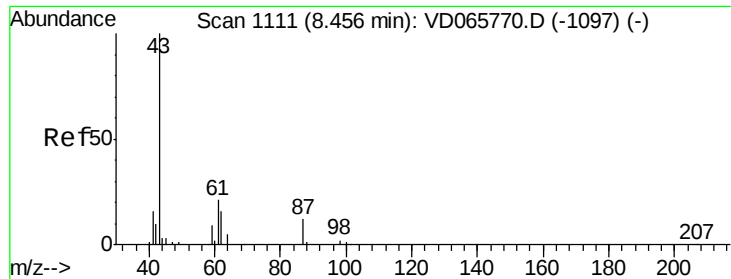
41 100

39 0.0 38.3 57.5#

67 0.0 49.8 74.6#

52 0.0 21.7 32.5#





#43

Isopropyl Acetate

Concen: 1.723 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampleID :

SB-12

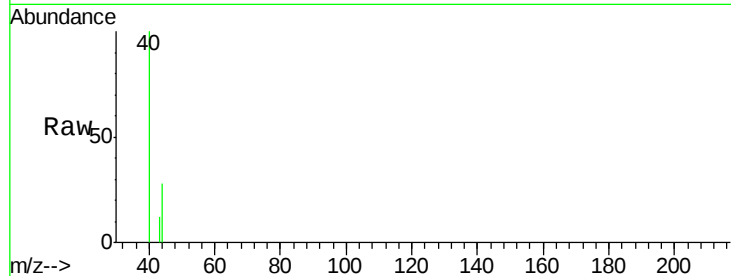
Tot Ion: 43 Resp: 196

Ion Ratio Lower Upper

43 100

61 0.0 24.2 36.4#

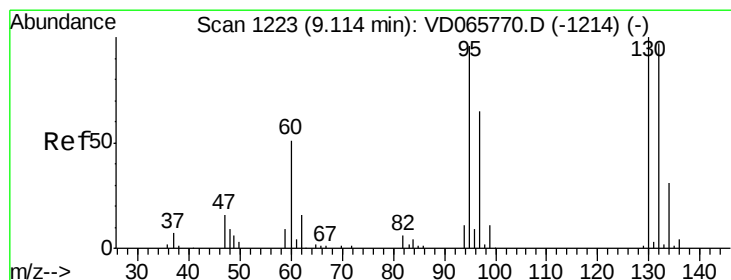
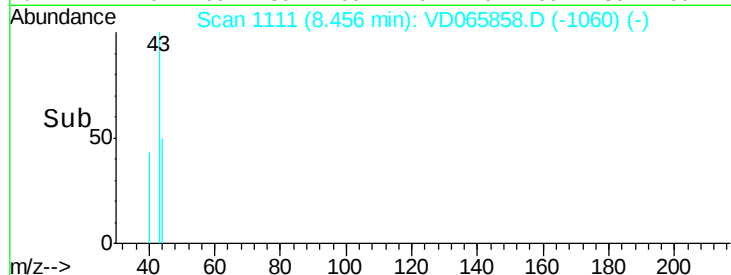
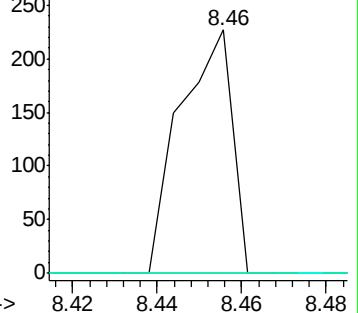
87 0.0 9.5 14.3#



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: 1.086 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD065858.D

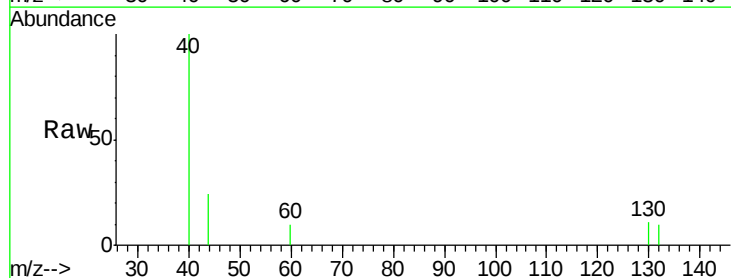
Acq: 23 Jun 2020 14:21

Tgt Ion: 130 Resp: 120

Ion Ratio Lower Upper

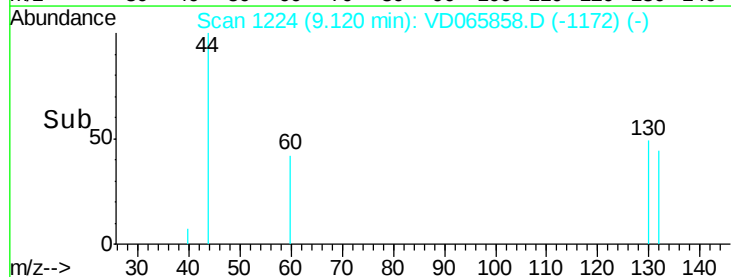
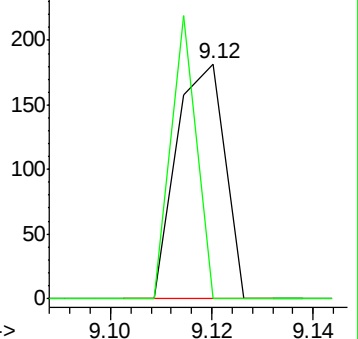
130 100

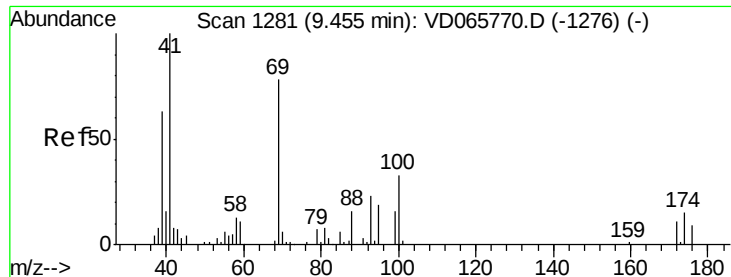
95 0.0 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

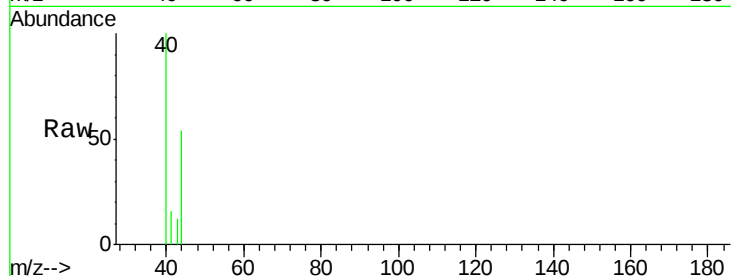




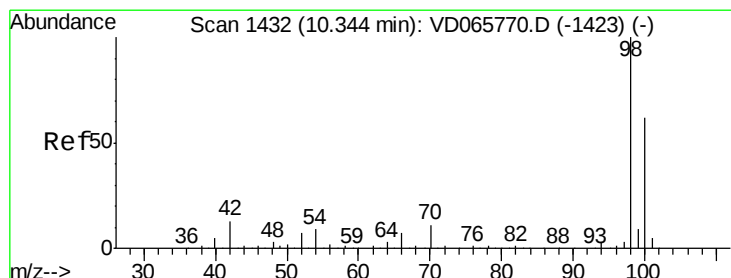
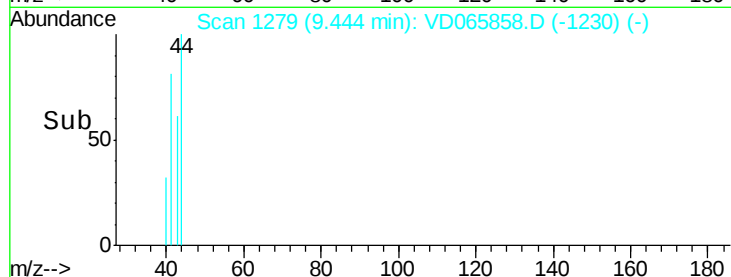
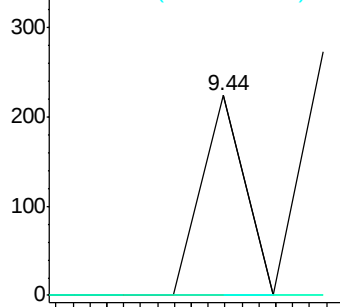
#48
Methvl methacrylate
Concen: 1.435 ug/l
RT: 9.44 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VD065858.D
Acq: 23 Jun 2020 14:21

Instrument :
MSVOA_D
ClientSampled :
SB-12

Tot Ion: 41 Resp: 79
Ion Ratio Lower Upper
41 100
69 0.0 60.9 91.3#
39 0.0 48.1 72.1#

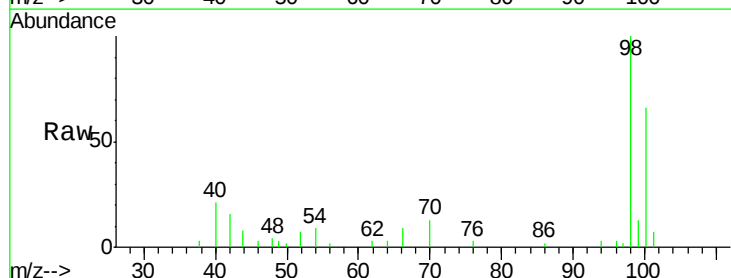


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

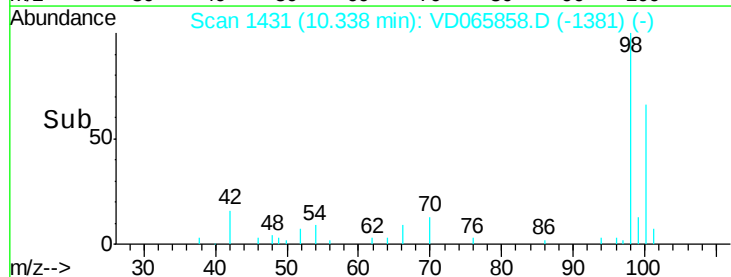
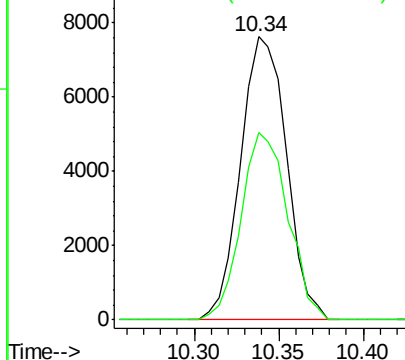


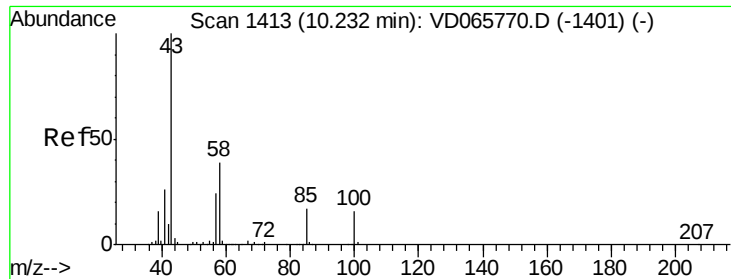
#50
Toluene-d8
Concen: 40.406 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD065858.D
Acq: 23 Jun 2020 14:21

Tgt Ion: 98 Resp: 14426
Ion Ratio Lower Upper
98 100
100 67.7 51.4 77.2



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

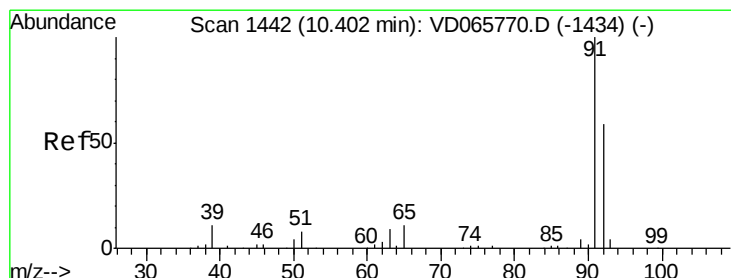
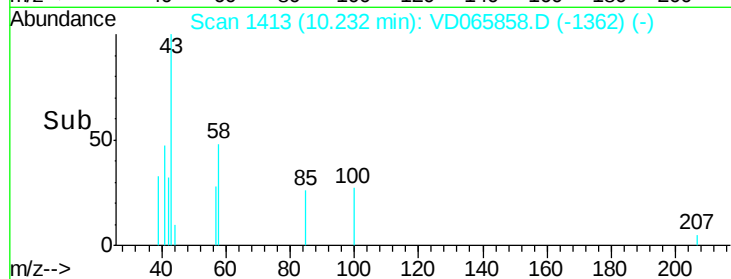
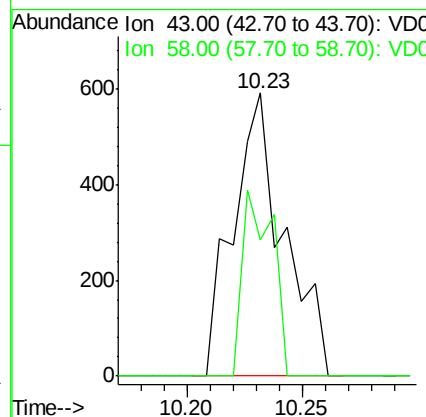
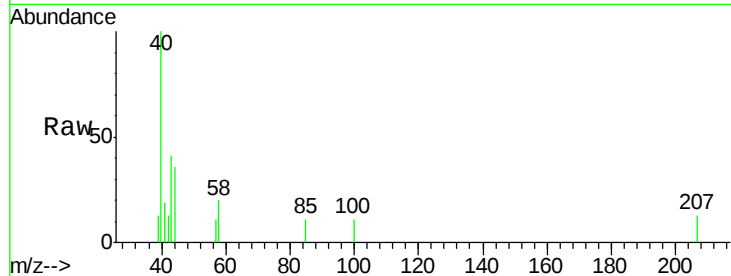




#51
4-Methyl-2-Pentanone
Concen: 16.275 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065858.D
Acq: 23 Jun 2020 14:21

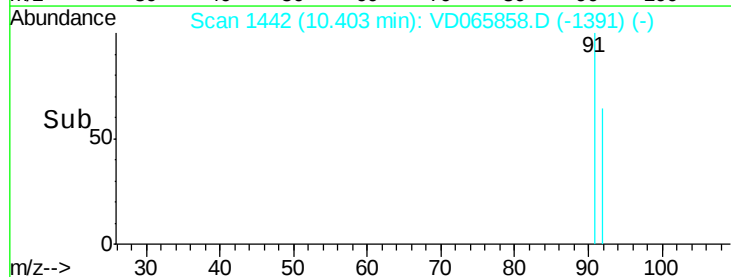
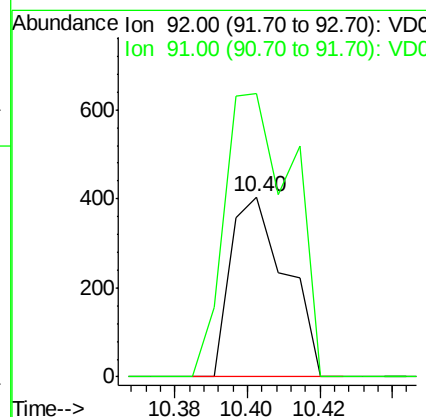
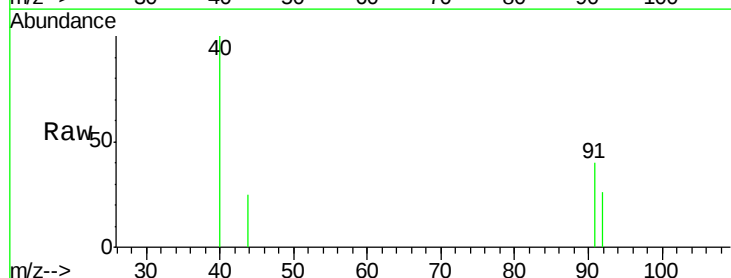
Instrument :
MSVOA_D
ClientSampled :
SB-12

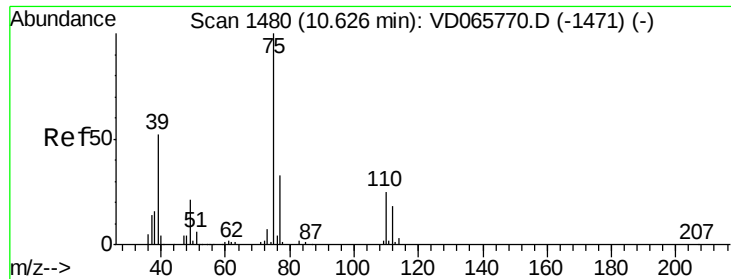
Tot Ion: 43 Resp: 907
Ion Ratio Lower Upper
43 100
58 39.4 30.7 46.1



#52
Toluene
Concen: 1.667 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD065858.D
Acq: 23 Jun 2020 14:21

Tgt Ion: 92 Resp: 430
Ion Ratio Lower Upper
92 100
91 193.0 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 1.425 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

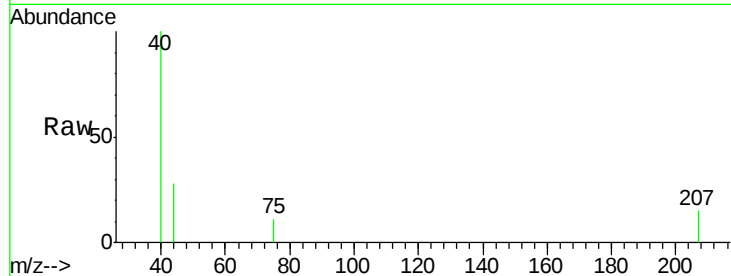
SB-12

Tot Ion: 75 Resp: 187

Ion Ratio Lower Upper

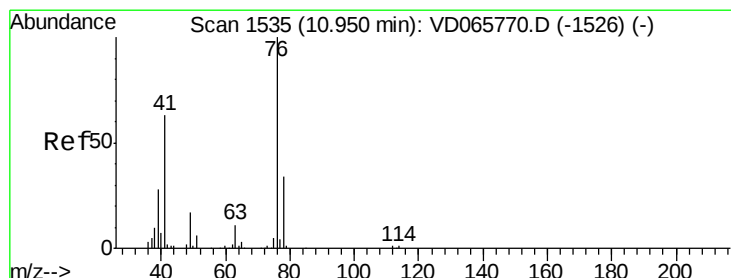
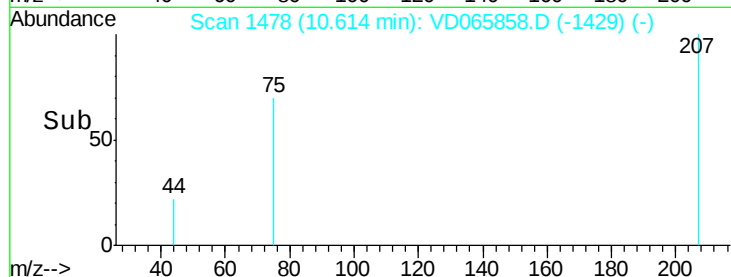
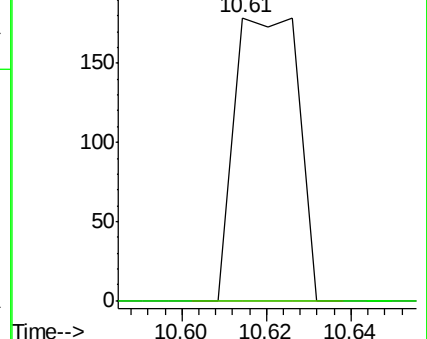
75 100

77 0.0 26.4 39.6#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#57

1,3-Dichloropropane

Concen: 1.190 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065858.D

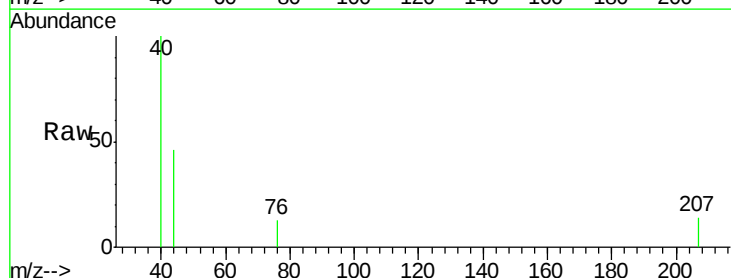
Acq: 23 Jun 2020 14:21

Tgt Ion: 76 Resp: 149

Ion Ratio Lower Upper

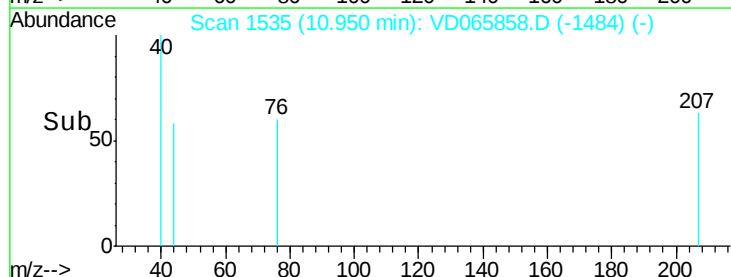
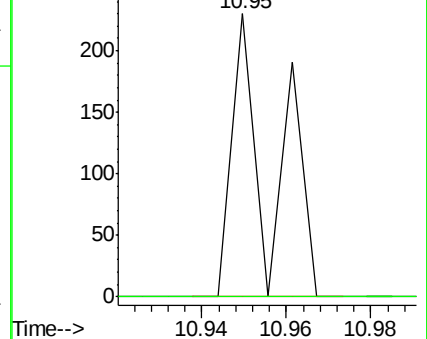
76 100

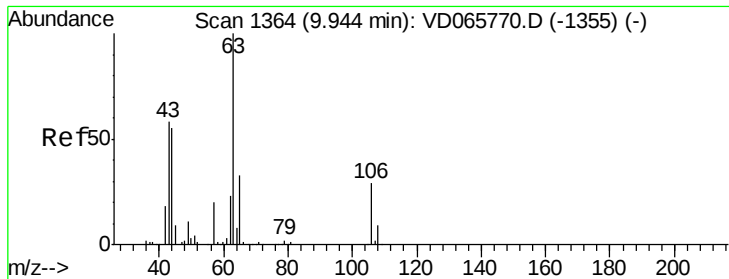
78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC





#58

2-Chloroethyl Vinyl ether

Concen: 5.743 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

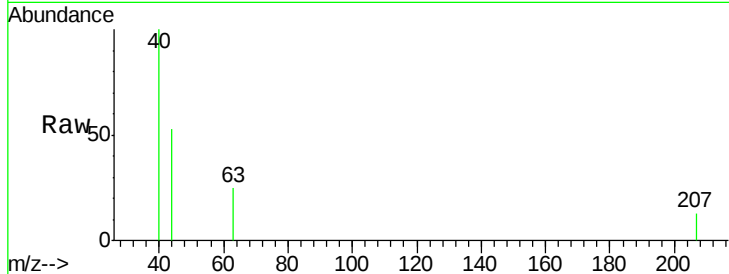
SB-12

Tot Ion: 63 Resp: 227

Ion Ratio Lower Upper

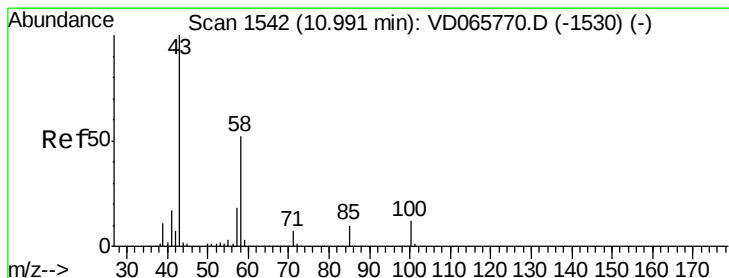
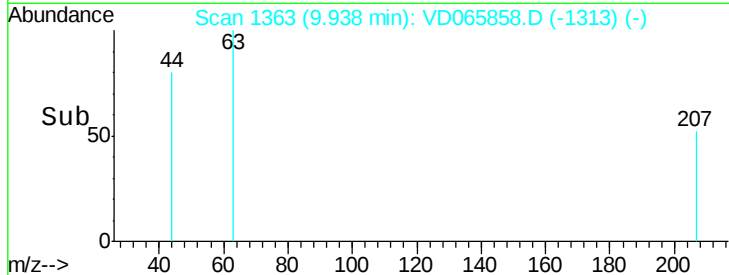
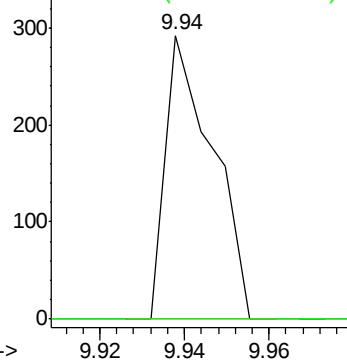
63 100

106 0.0 23.2 34.8#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC



#59

2-Hexanone

Concen: 14.399 ug/l

RT: 11.00 min Scan# 1543

Delta R.T. 0.01 min

Lab File: VD065858.D

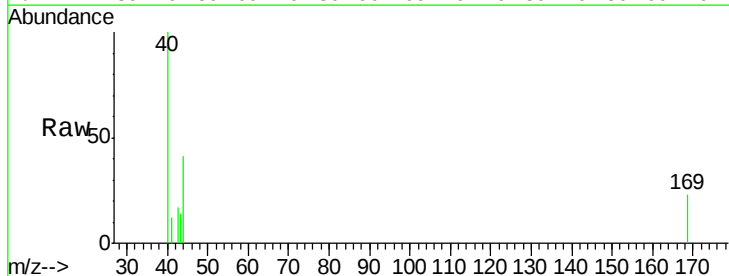
Acq: 23 Jun 2020 14:21

Tgt Ion: 43 Resp: 541

Ion Ratio Lower Upper

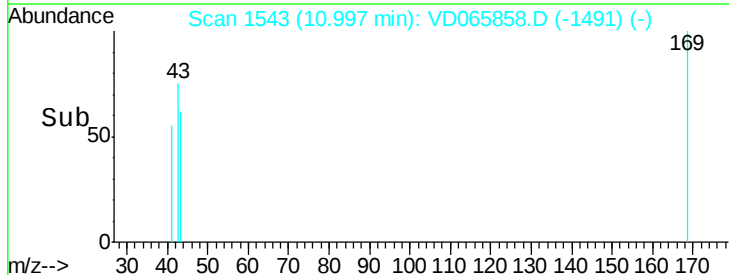
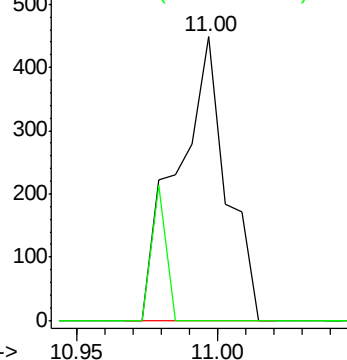
43 100

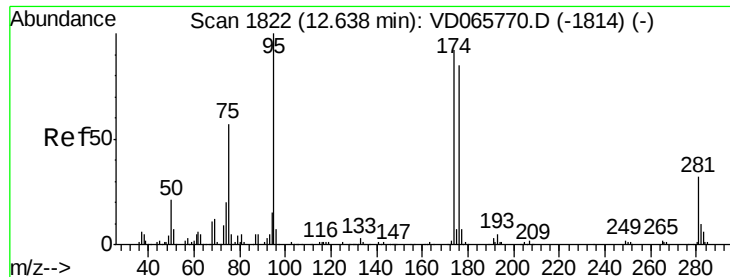
58 13.9 25.7 77.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

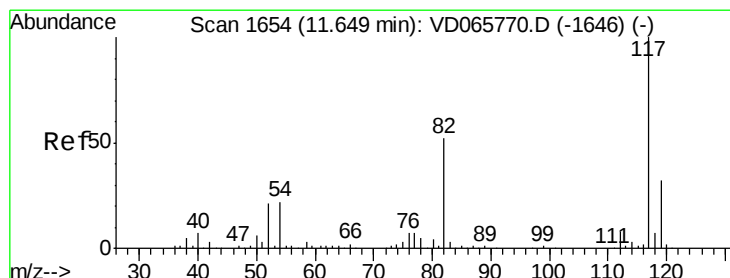
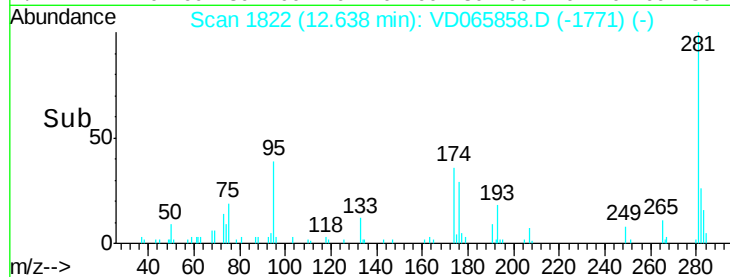
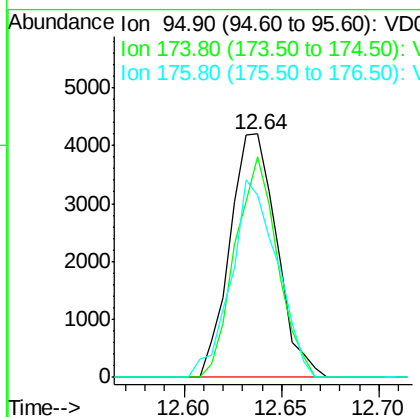
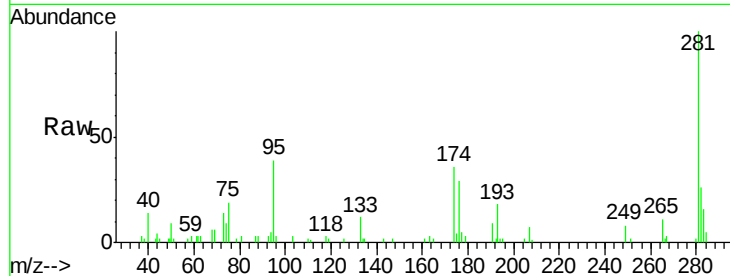




#62
4-Bromofluorobenzene
Concen: 57.680 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065858.D
Acq: 23 Jun 2020 14:21

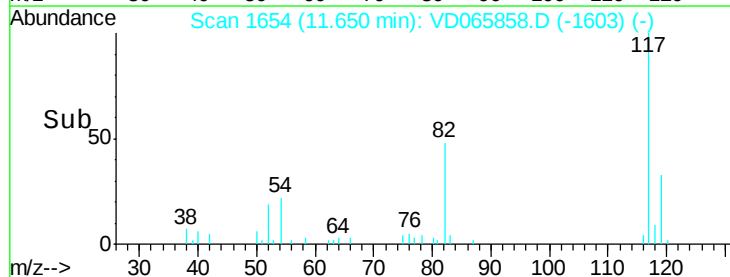
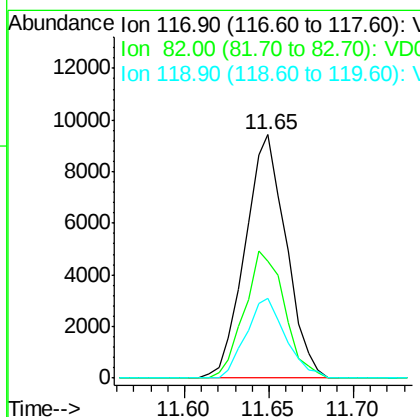
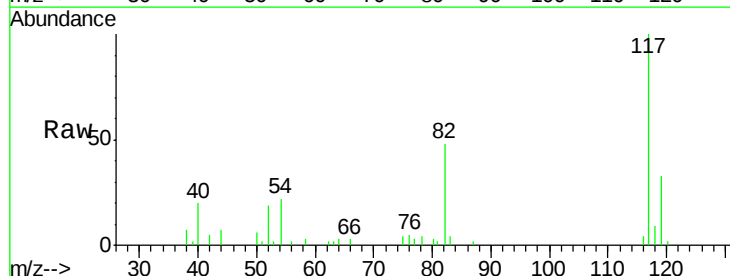
Instrument :
MSVOA_D
ClientSampled :
SB-12

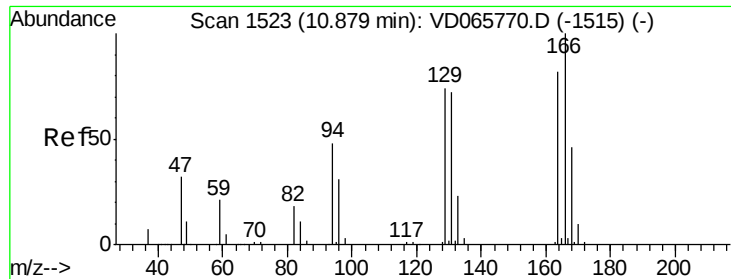
Tot Ion: 95 Resp: 6984
Ion Ratio Lower Upper
95 100
174 81.5 0.0 175.2
176 79.7 0.0 163.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065858.D
Acq: 23 Jun 2020 14:21

Tgt Ion: 117 Resp: 15875
Ion Ratio Lower Upper
117 100
82 48.2 41.9 62.9
119 32.6 25.3 37.9





#64

Tetrachloroethene

Concen: 1.025 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. 0.00 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

SB-12

Tot Ion:164 Resp: 110

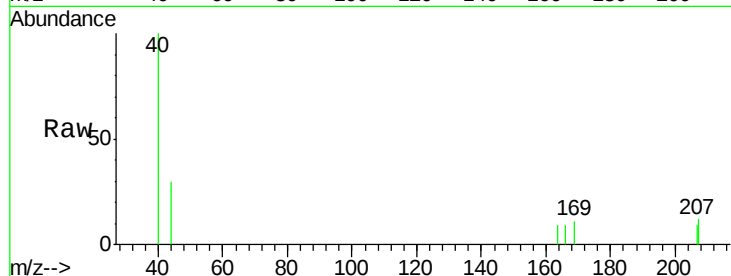
Ion Ratio Lower Upper

164 100

166 100.0 98.2 147.2

129 0.0 72.3 108.5#

131 0.0 70.5 105.7#

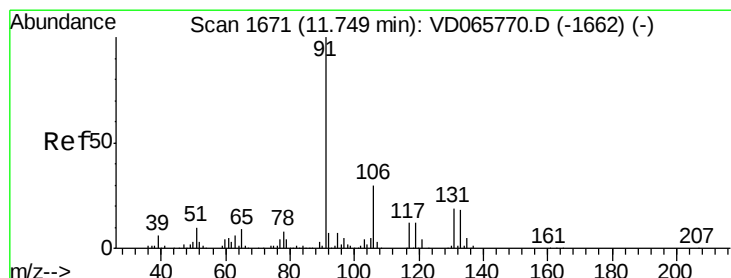
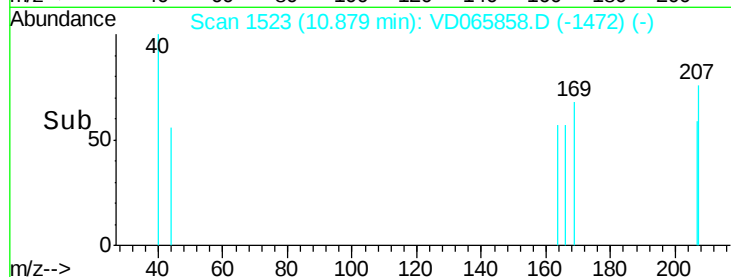
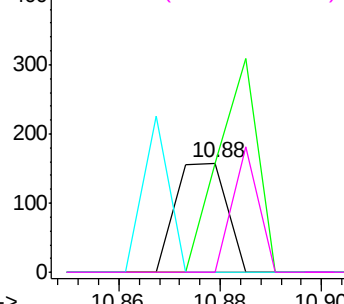


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 1.777 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065858.D

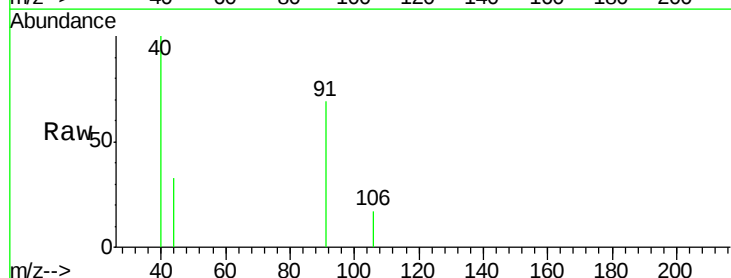
Acq: 23 Jun 2020 14:21

Tgt Ion: 91 Resp: 984

Ion Ratio Lower Upper

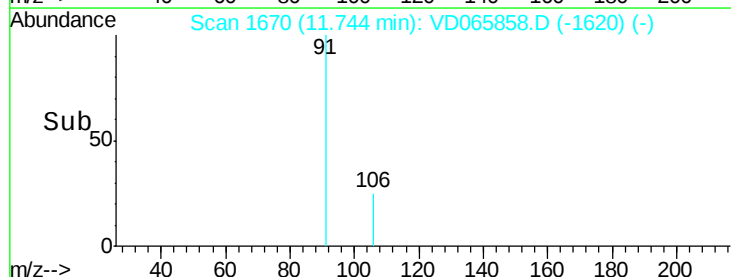
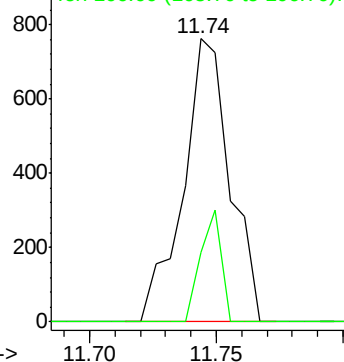
91 100

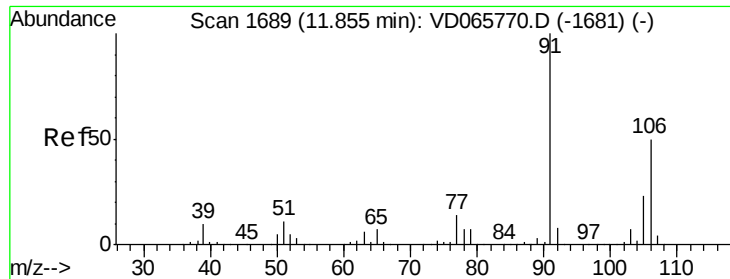
106 24.5 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

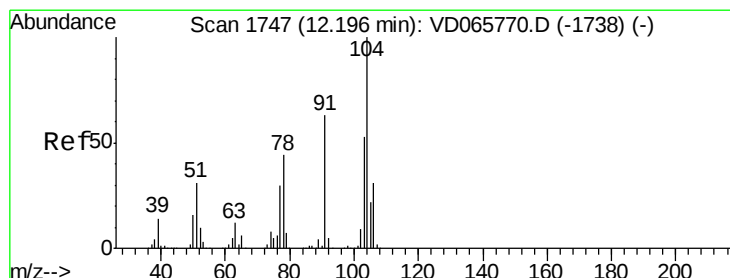
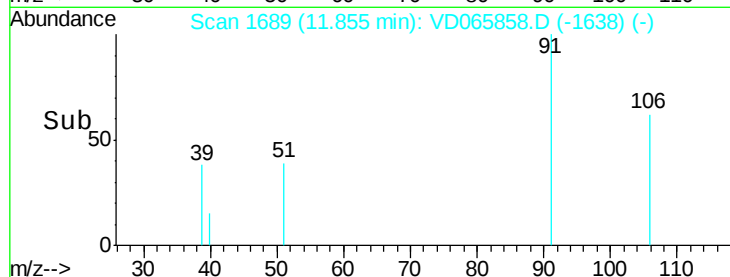
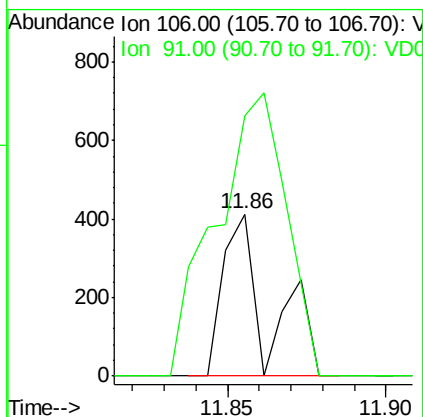
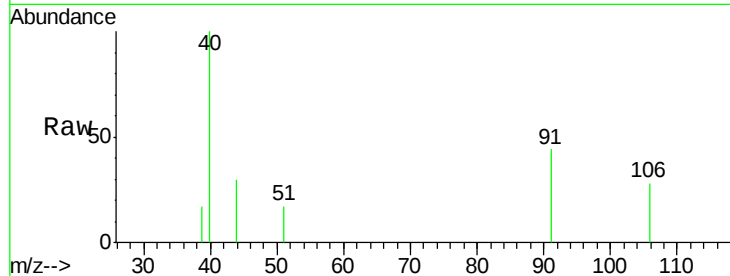




#68
m/p-Xvlenes
Concen: 1.890 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD065858.D
Acq: 23 Jun 2020 14:21

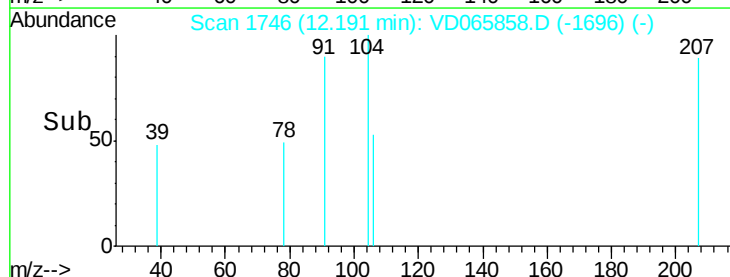
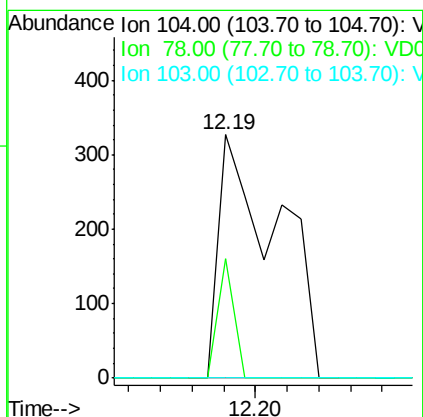
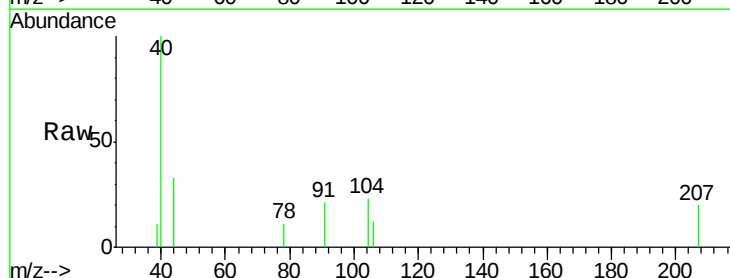
Instrument :
MSVOA_D
ClientSampleId :
SB-12

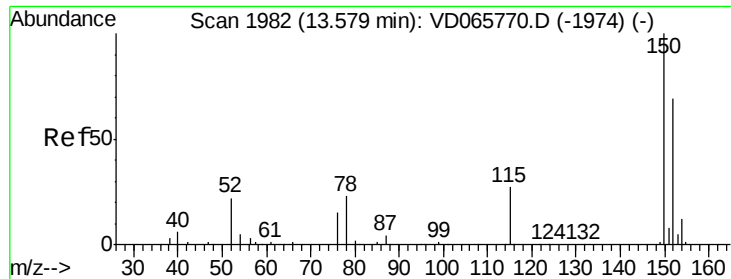
Tot Ion:106 Resp: 403
Ion Ratio Lower Upper
106 100
91 276.7 159.4 239.2#



#70
Styrene
Concen: 1.247 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD065858.D
Acq: 23 Jun 2020 14:21

Tgt Ion:104 Resp: 415
Ion Ratio Lower Upper
104 100
78 13.7 38.6 58.0#
103 0.0 43.9 65.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

SB-12

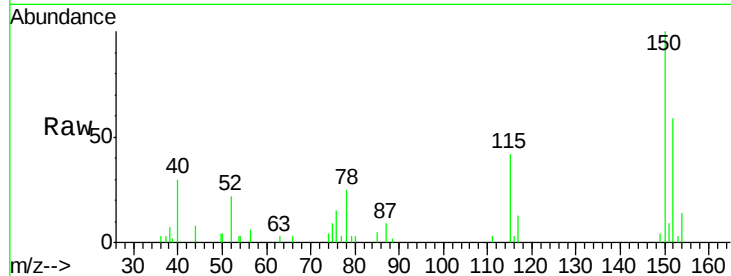
Tot Ion:152 Resp: 6240

Ion Ratio Lower Upper

152 100

115 69.5 28.7 86.1

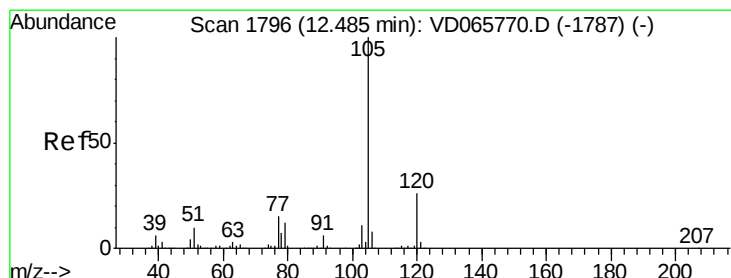
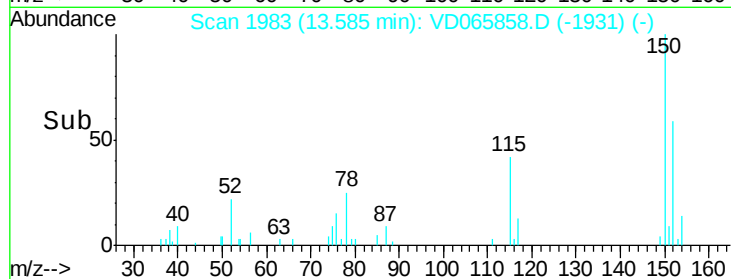
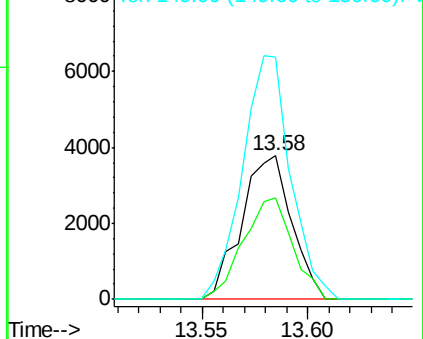
150 163.3 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.597 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065858.D

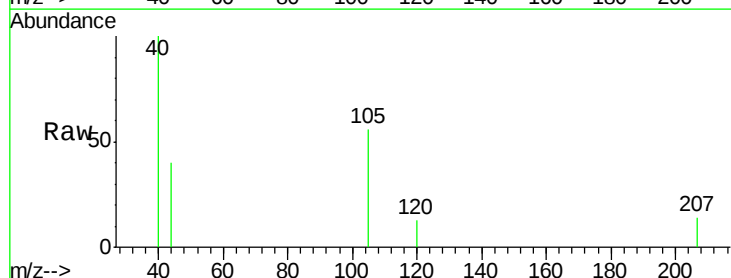
Acq: 23 Jun 2020 14:21

Tgt Ion:105 Resp: 668

Ion Ratio Lower Upper

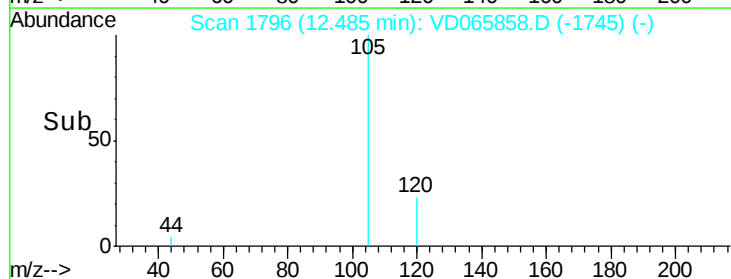
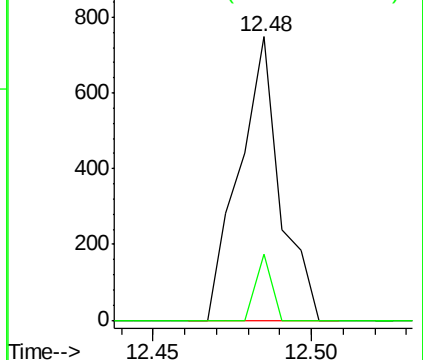
105 100

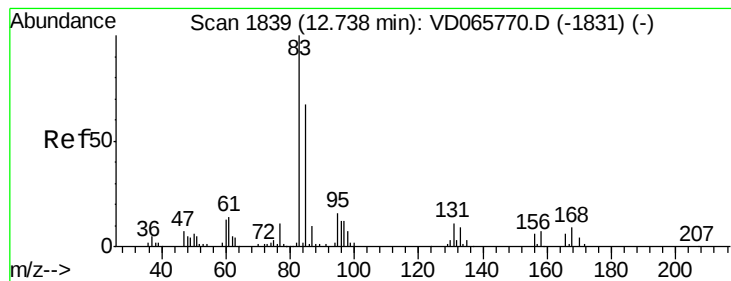
120 9.1 13.5 40.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 1.019 ug/l

RT: 12.73 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampled :

SB-12

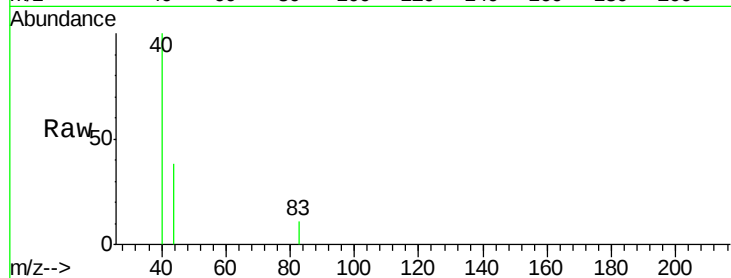
Tot Ion: 83 Resp: 72

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

85 0.0 32.5 97.5#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC

12.73

200

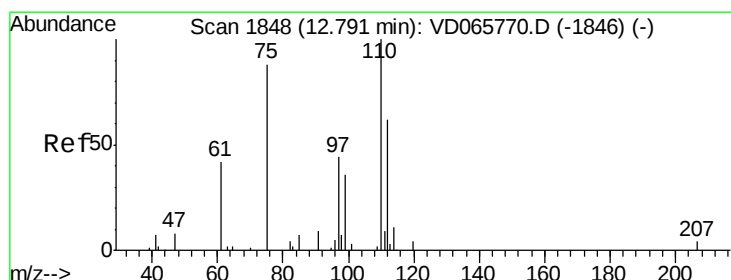
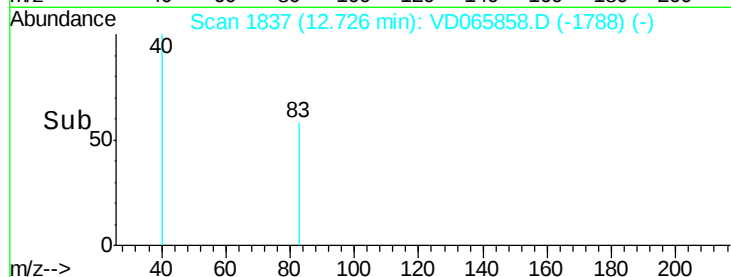
150

100

50

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 2.596 ug/l

RT: 12.80 min Scan# 1850

Delta R.T. 0.01 min

Lab File: VD065858.D

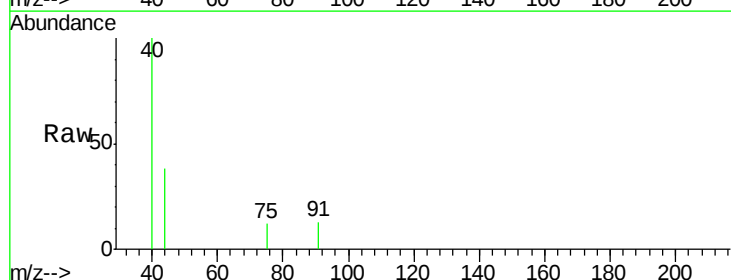
Acq: 23 Jun 2020 14:21

Tgt Ion: 75 Resp: 126

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

250

200

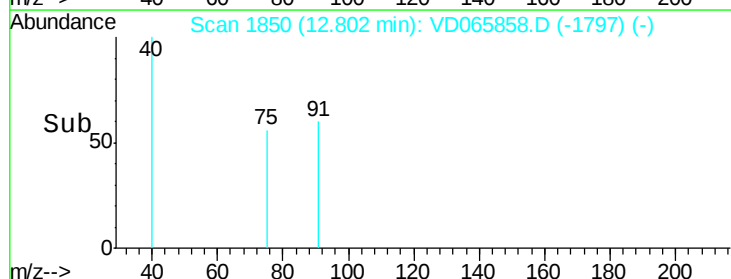
150

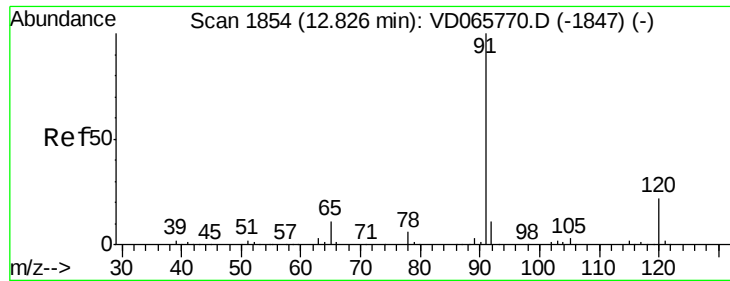
100

50

0

Time-->





#78

n-propylbenzene

Concen: 1.994 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampled :

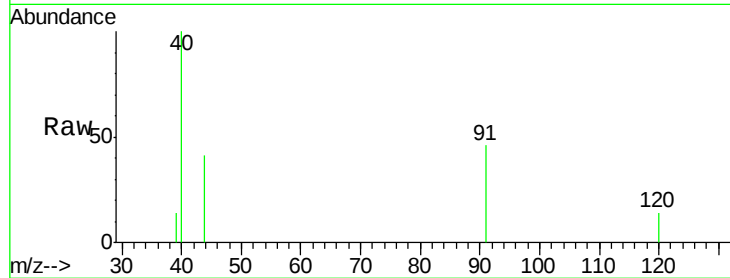
SB-12

Tot Ion: 91 Resp: 1004

Ion Ratio Lower Upper

91 100

120 38.7 11.3 33.8#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

800

600

400

200

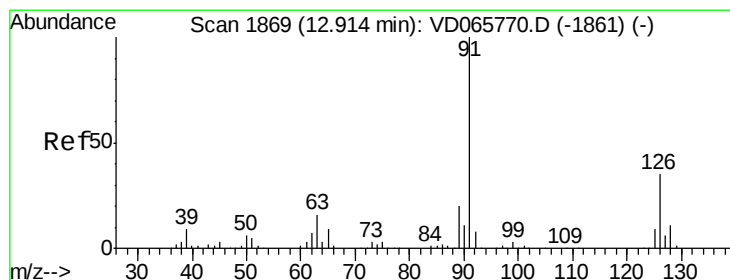
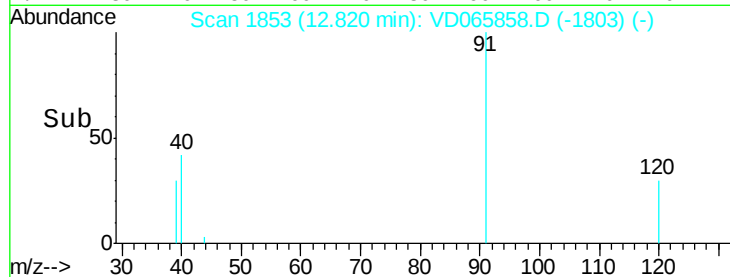
0

12.80

12.82

12.85

Time-->



#79

2-Chlorotoluene

Concen: 1.716 ug/l

RT: 12.90 min Scan# 1867

Delta R.T. -0.01 min

Lab File: VD065858.D

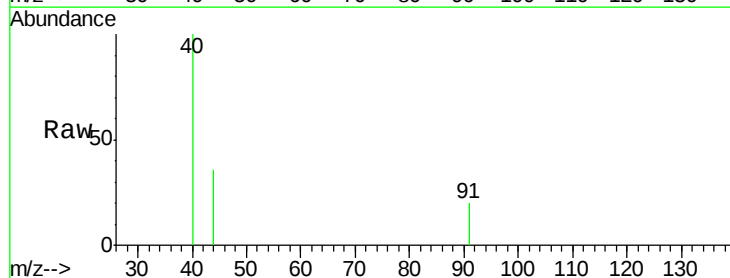
Acq: 23 Jun 2020 14:21

Tgt Ion: 91 Resp: 474

Ion Ratio Lower Upper

91 100

126 33.3 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

400

300

200

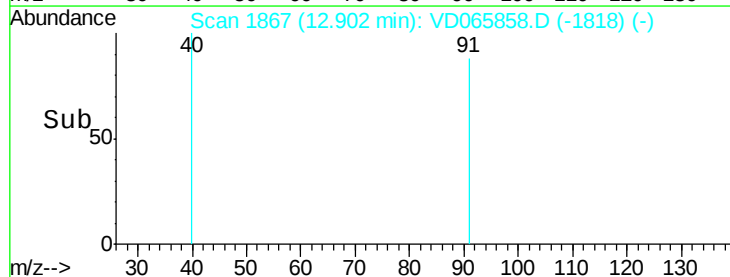
100

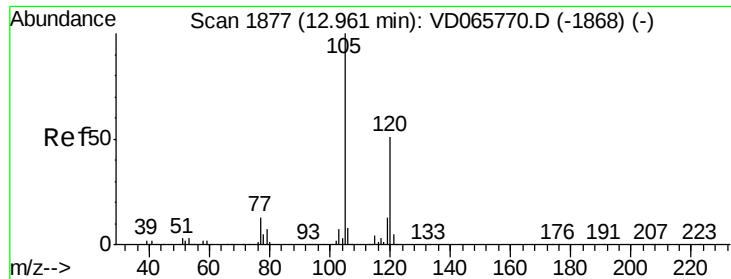
0

12.90

12.95

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 1.037 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampled :

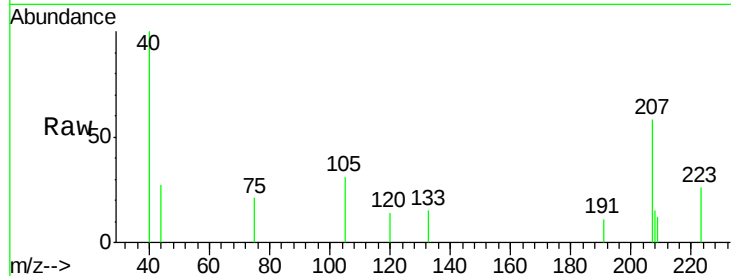
SB-12

Tot Ion: 105 Resp: 361

Ion Ratio Lower Upper

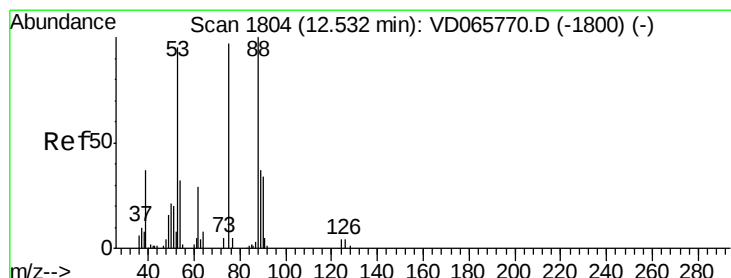
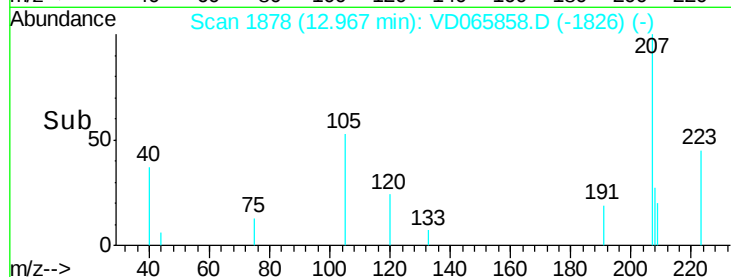
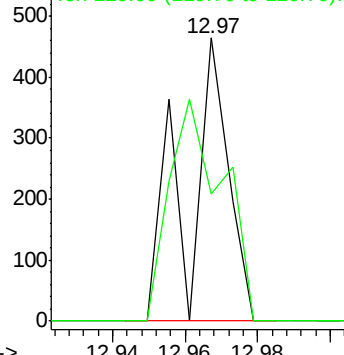
105 100

120 103.0 25.4 76.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 181.026 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

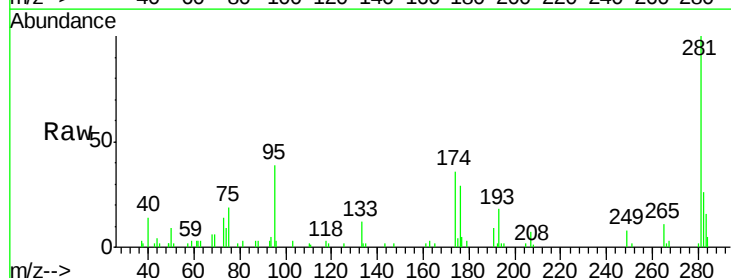
Tgt Ion: 75 Resp: 4066

Ion Ratio Lower Upper

75 100

53 0.0 82.6 123.8#

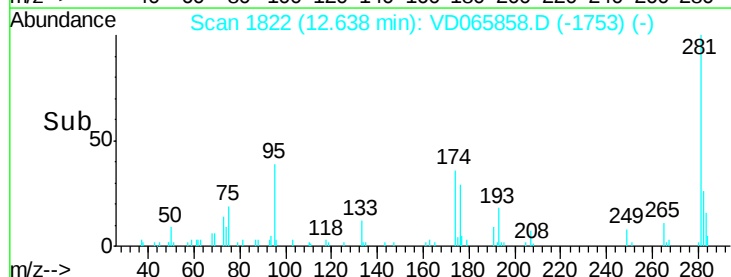
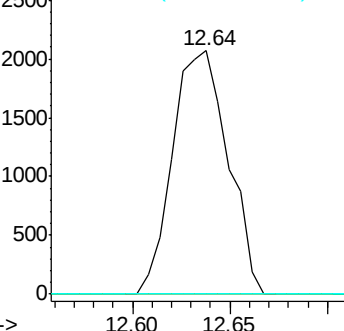
89 0.0 35.9 53.9#

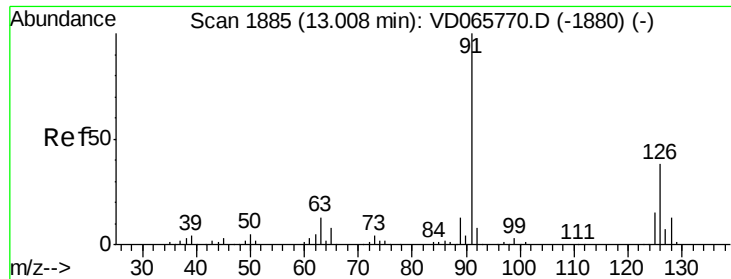


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#82

4-Chlorotoluene

Concen: 1.598 ug/l

RT: 12.90 min Scan# 1867

Delta R.T. -0.11 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

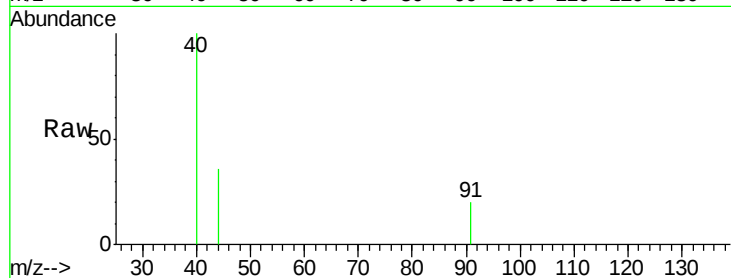
SB-12

Tot Ion: 91 Resp: 474

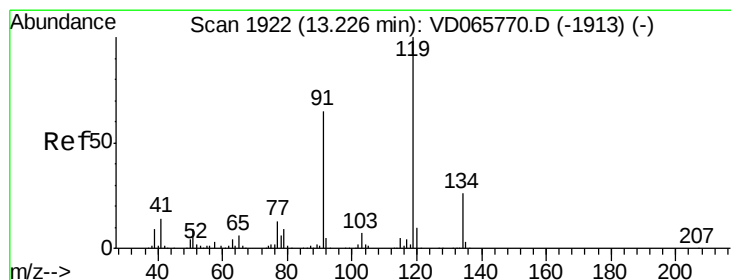
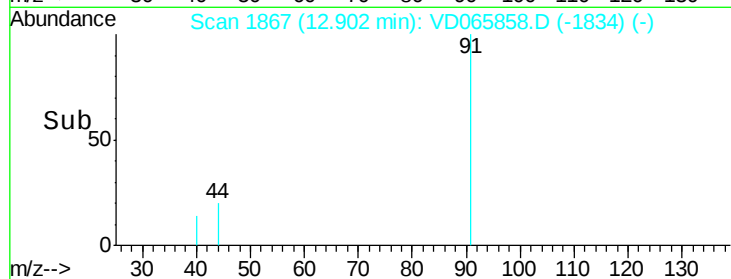
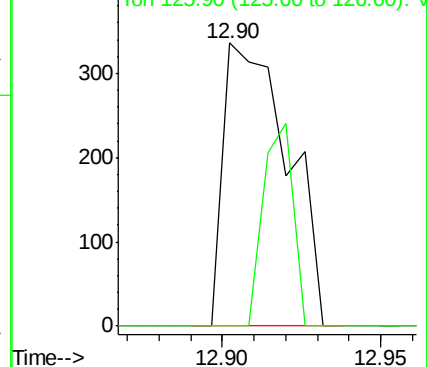
Ion Ratio Lower Upper

91 100

126 33.3 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V



#83

tert-Butylbenzene

Concen: 1.612 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

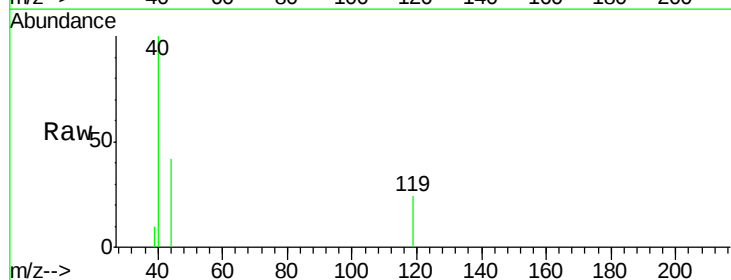
Tgt Ion: 119 Resp: 487

Ion Ratio Lower Upper

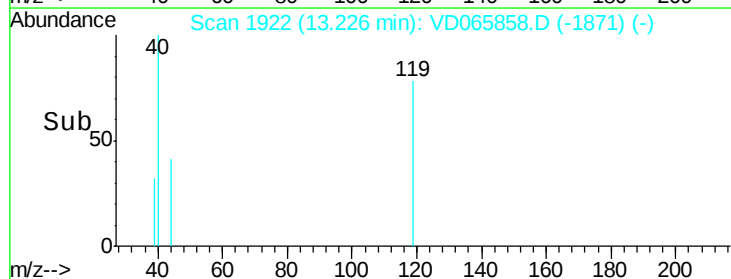
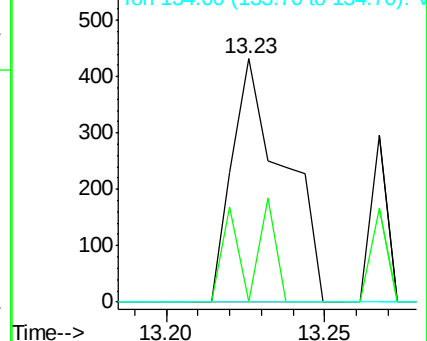
119 100

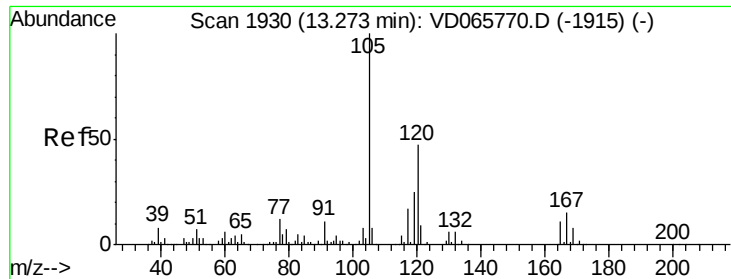
91 25.7 32.0 96.0#

134 0.0 13.8 41.4#



Abundance Ion 119.00 (118.70 to 119.70): V





#84

1,2,4-Trimethylbenzene

Concen: 2.324 ug/l

RT: 13.27 min Scan# 1929

Delta R.T. -0.01 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

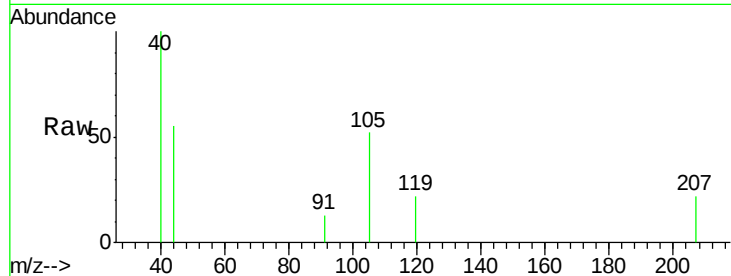
SB-12

Tot Ion:105 Resp: 810

Ion Ratio Lower Upper

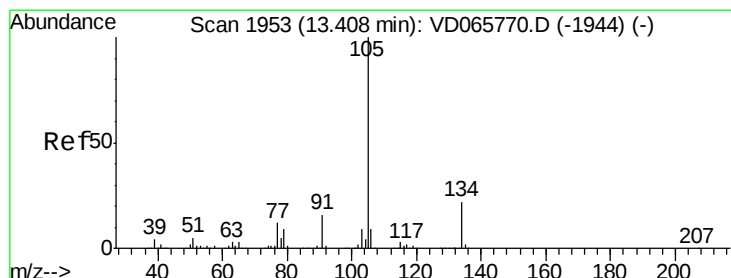
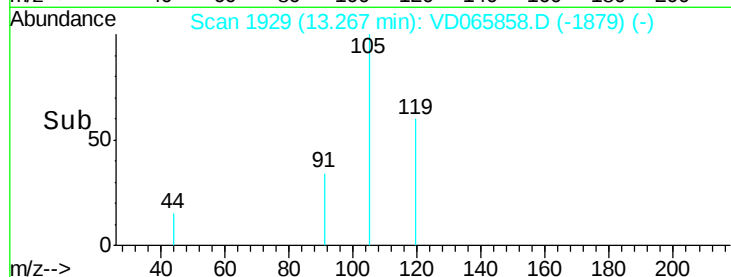
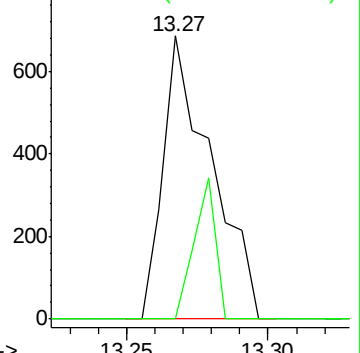
105 100

120 22.1 23.3 69.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 1.686 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD065858.D

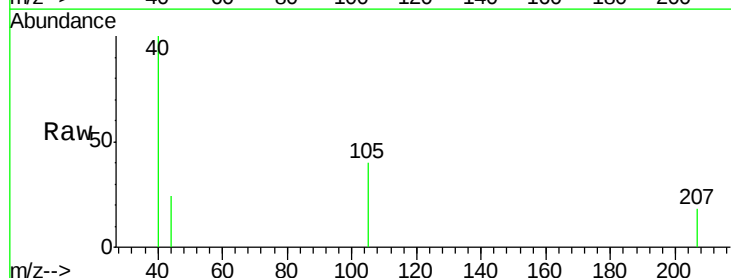
Acq: 23 Jun 2020 14:21

Tgt Ion:105 Resp: 709

Ion Ratio Lower Upper

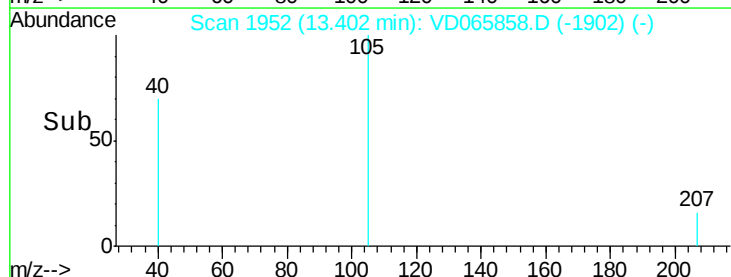
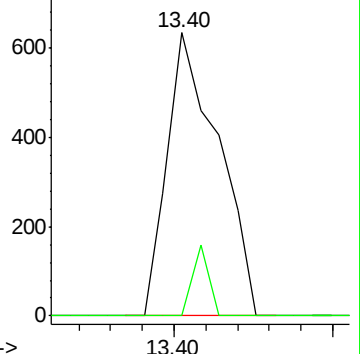
105 100

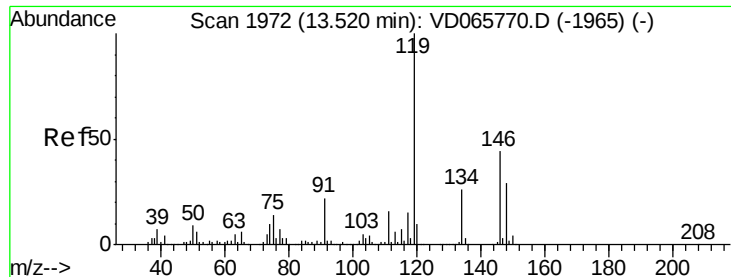
134 7.9 10.4 31.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 1.832 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampled :

SB-12

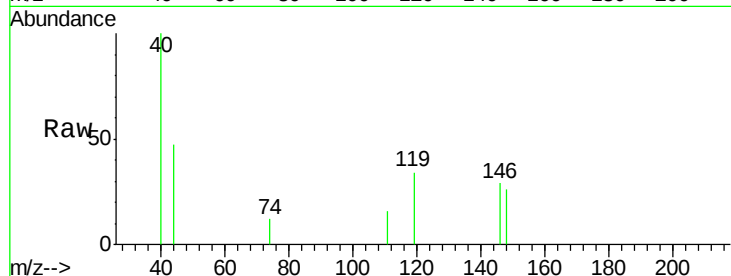
Tot Ion:119 Resp: 706

Ion Ratio Lower Upper

119 100

134 22.9 13.3 39.9

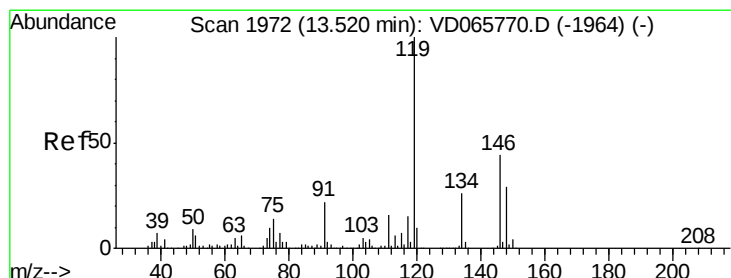
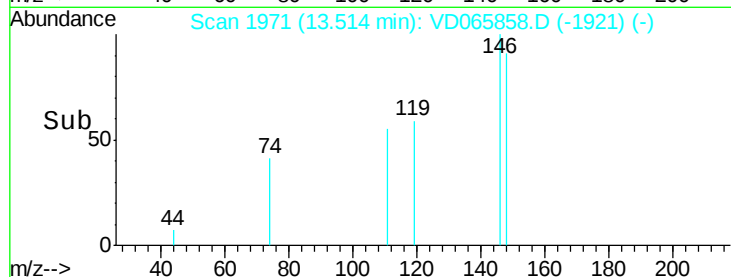
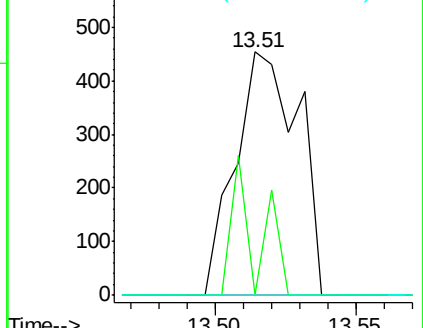
91 0.0 11.8 35.4#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 2.736 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

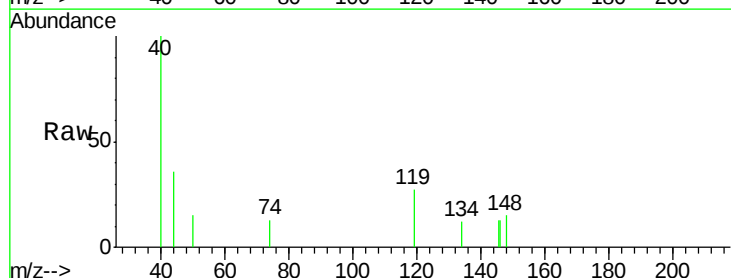
Tgt Ion:146 Resp: 534

Ion Ratio Lower Upper

146 100

111 13.9 19.2 57.6#

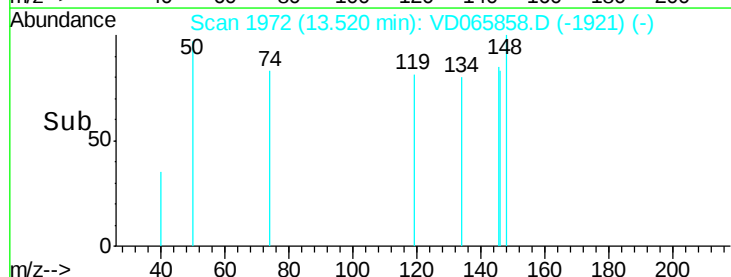
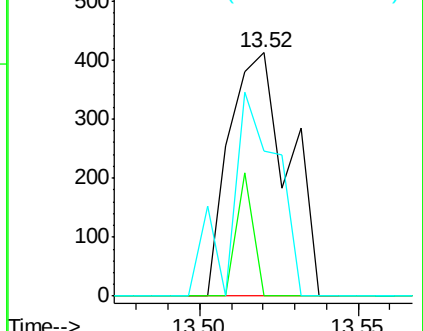
148 65.0 32.1 96.3

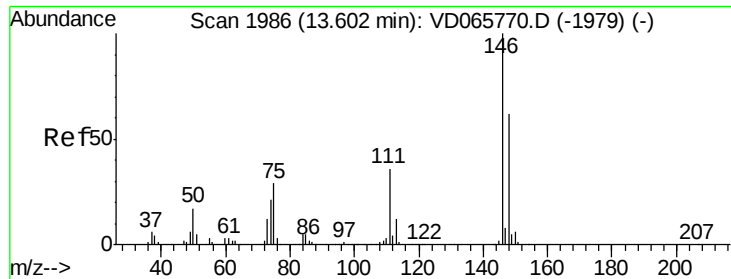


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 1.741 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampled :

SB-12

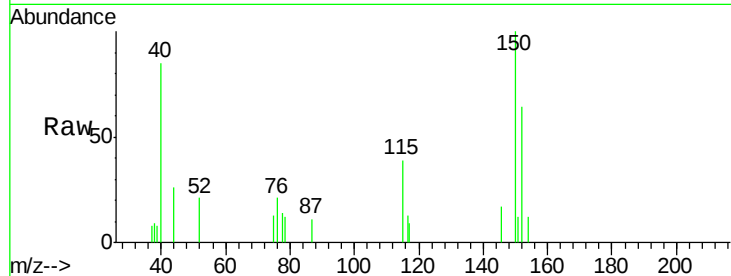
Tot Ion:146 Resp: 338

Ion Ratio Lower Upper

146 100

111 44.1 18.9 56.7

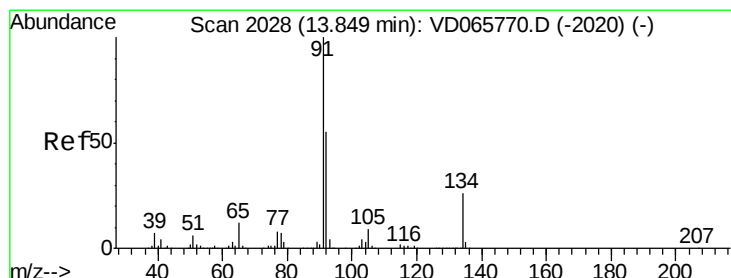
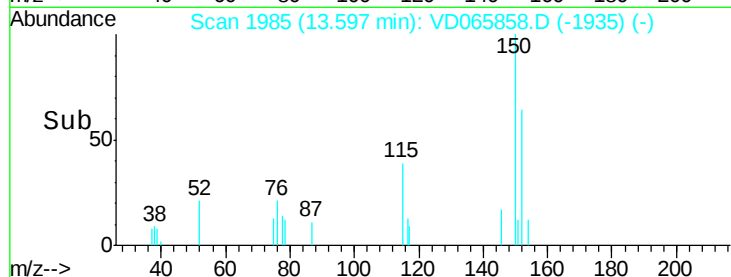
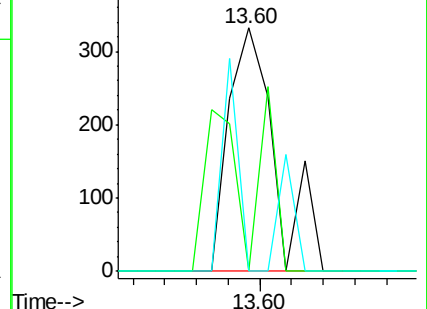
148 30.5 31.6 94.7#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 2.438 ug/l

RT: 13.84 min Scan# 2027

Delta R.T. -0.01 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

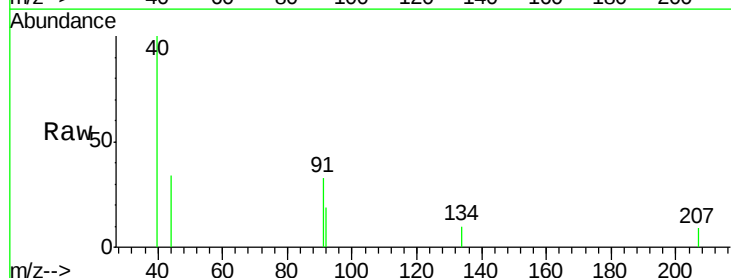
Tgt Ion: 91 Resp: 896

Ion Ratio Lower Upper

91 100

92 47.5 27.0 81.0

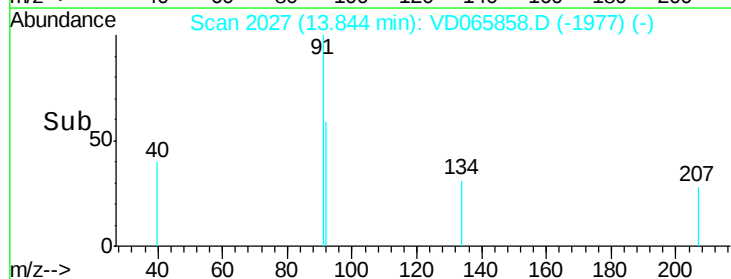
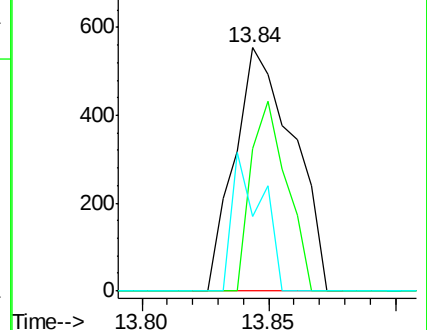
134 28.6 13.0 39.0

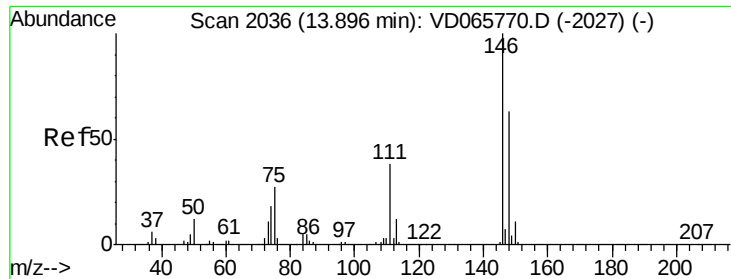


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

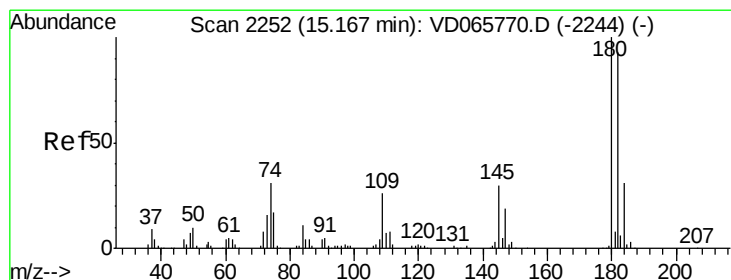
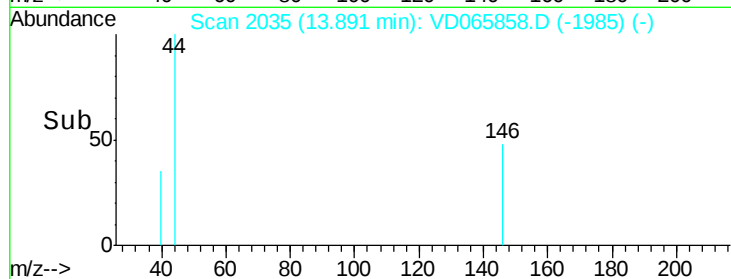
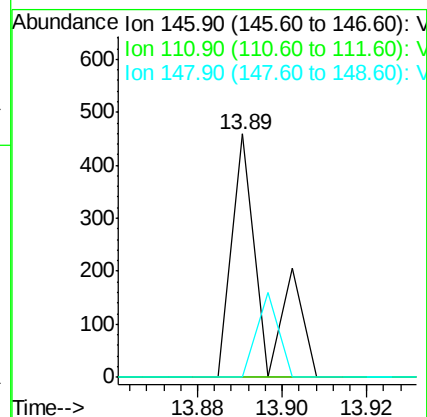
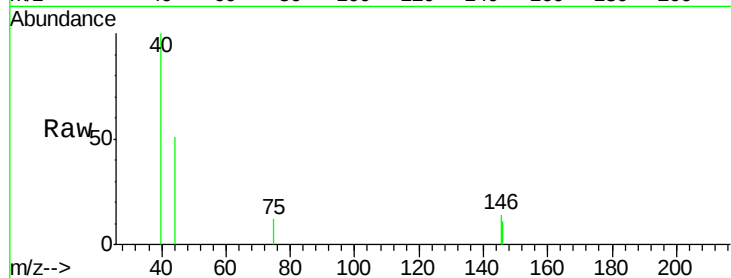




#91
 1,2-Dichlorobenzene
 Concen: 1.399 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD065858.D
 Acq: 23 Jun 2020 14:21

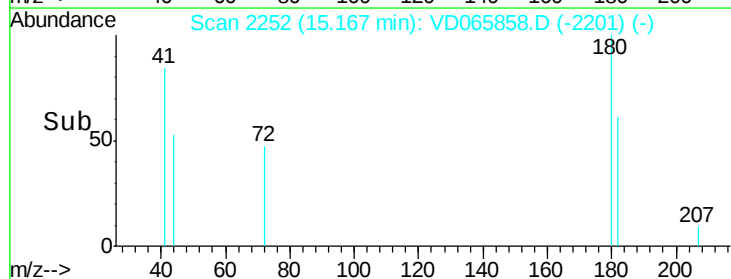
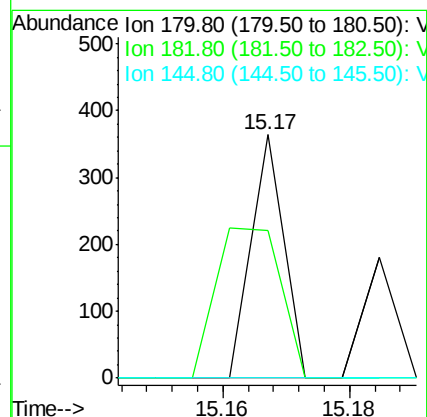
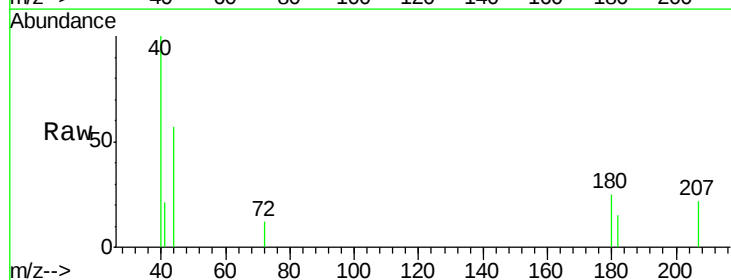
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12

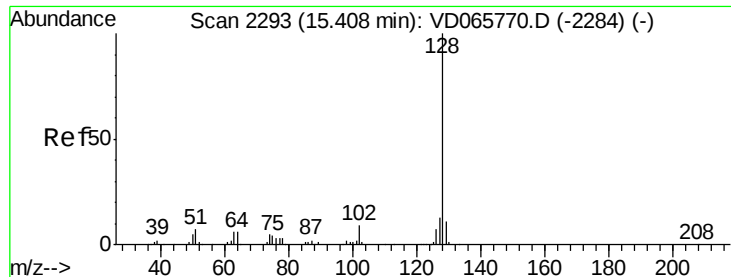
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.8	59.4#
148	24.3	31.9	95.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.121 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065858.D
 Acq: 23 Jun 2020 14:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	122.7	48.0	144.2
145	0.0	14.9	44.9#





#95

Naphthalene

Concen: 5.128 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

SB-12

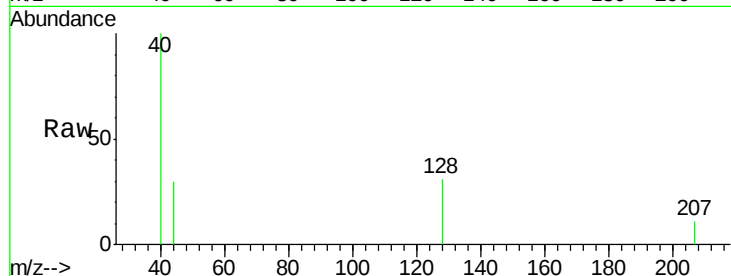
Tot Ion:128 Resp: 992

Ion Ratio Lower Upper

128 100

127 7.1 10.7 16.1#

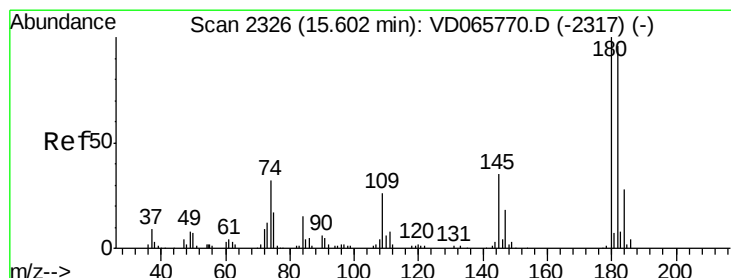
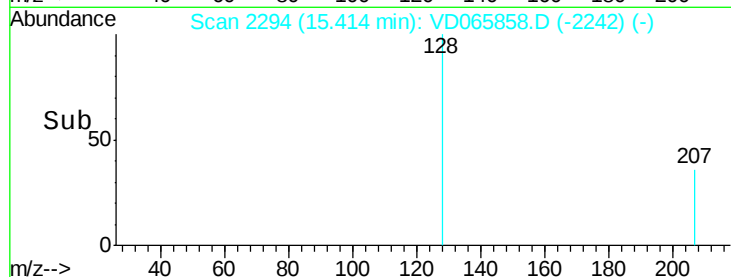
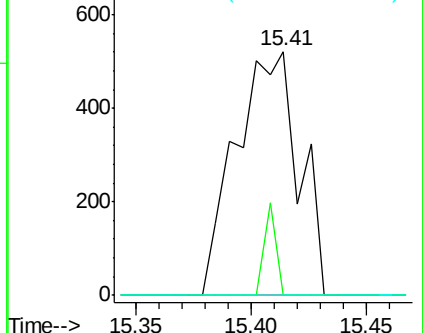
129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.962 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD065858.D

Acq: 23 Jun 2020 14:21

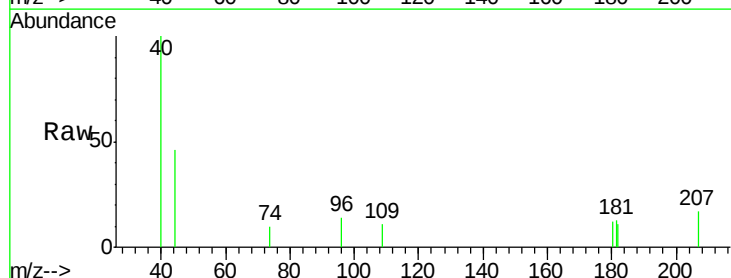
Tgt Ion:180 Resp: 193

Ion Ratio Lower Upper

180 100

182 201.0 47.0 141.2#

145 0.0 16.2 48.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

