

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067334.D
 Acq On : 20 Oct 2020 19:52
 Operator : VA/SY
 Sample : L4436-04RE
 Misc : 13.22G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 34ARE

Quant Time: Oct 21 01:51:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	9539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	15302	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	18977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	12220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	11214	117.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	234.68%	
35) Dibromofluoromethane	7.91	113	5441	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
50) Toluene-d8	10.34	98	19201	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.64	95	9213	71.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.78%	

Target Compounds

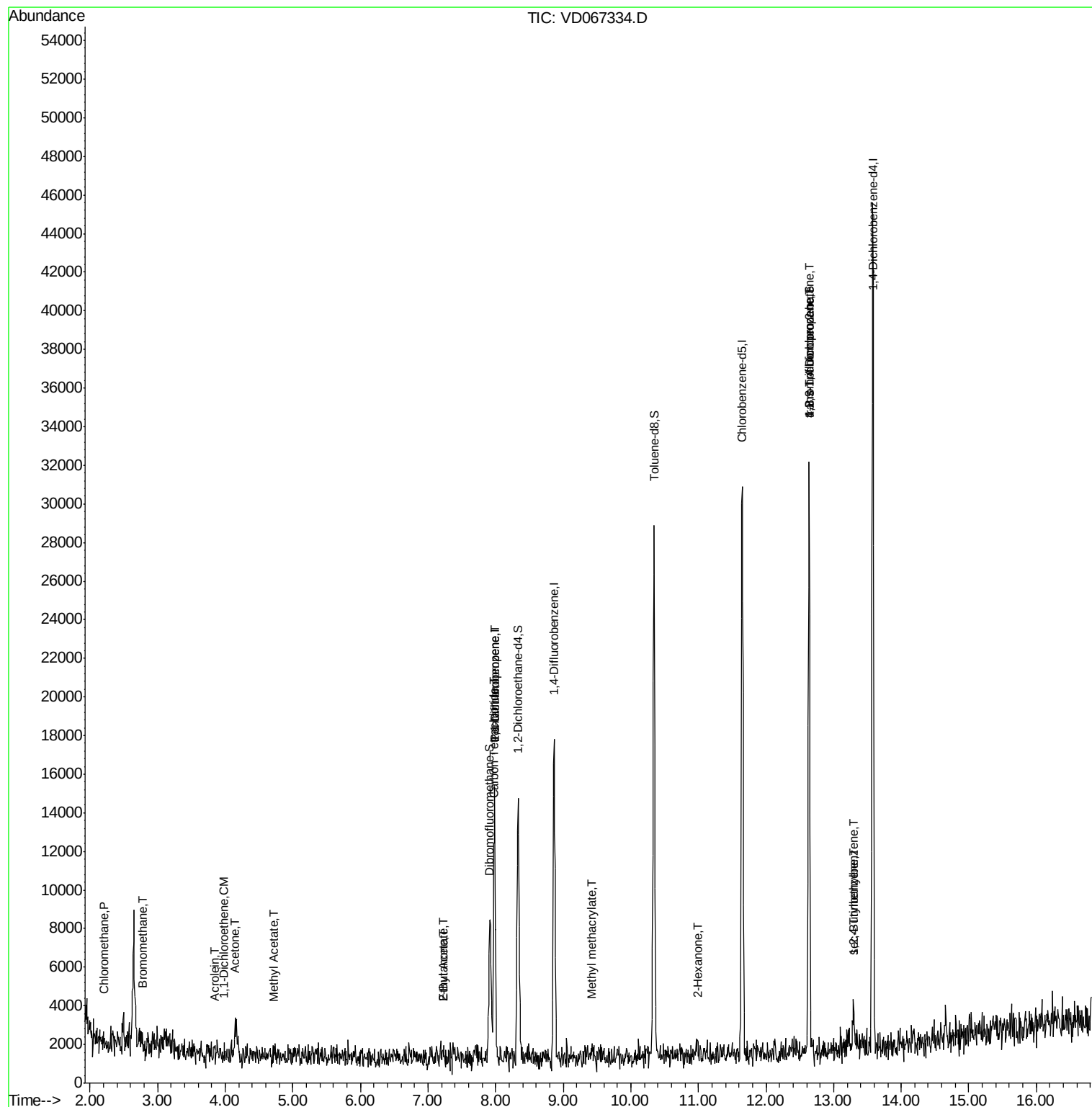
						Qvalue
3) Chloromethane	2.21	50	150	2.499	ug/l #	41
5) Bromomethane	2.77	94	332	5.135	ug/l #	3
12) 1,1-Dichloroethene	3.99	96	96	1.219	ug/l #	1
13) Acrolein	3.84	56	55	30.459	ug/l #	15
16) Acetone	4.14	43	1414	105.648	ug/l	99
18) Methyl Acetate	4.72	43	367	12.022	ug/l #	41
25) 2-Butanone	7.23	43	394	25.825	ug/l #	45
36) 1,1-Dichloropropene	7.98	75	888	6.847	ug/l #	39
37) Ethyl Acetate	7.23	43	394	10.325	ug/l #	61
38) Carbon Tetrachloride	7.97	117	446	2.691	ug/l #	32
48) Methyl methacrylate	9.43	41	72	1.957	ug/l #	2
59) 2-Hexanone	10.99	43	62	2.403	ug/l #	22
76) 1,2,3-Trichloropropane	12.64	75	4431	52.316	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	4431	118.638	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.29	105	1007	1.512	ug/l #	31
85) sec-Butylbenzene	13.29	105	1007	1.289	ug/l #	55

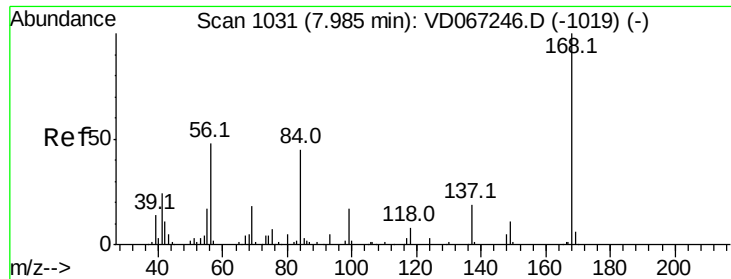
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067334.D

Acq: 20 Oct 2020 19:52

Instrument :

MSVOA_D

ClientSampleId :

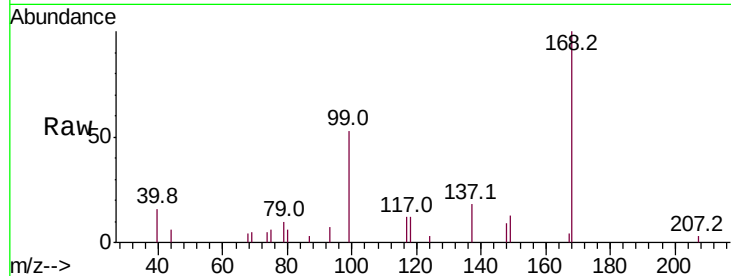
34ARE

Tot Ion:168 Resp: 9539

Ion Ratio Lower Upper

168 100

99 52.5 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

6000

5000

4000

3000

2000

1000

0

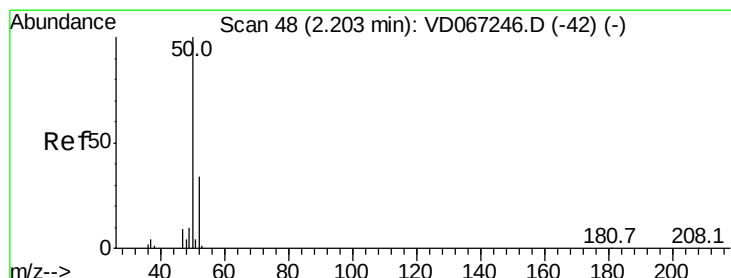
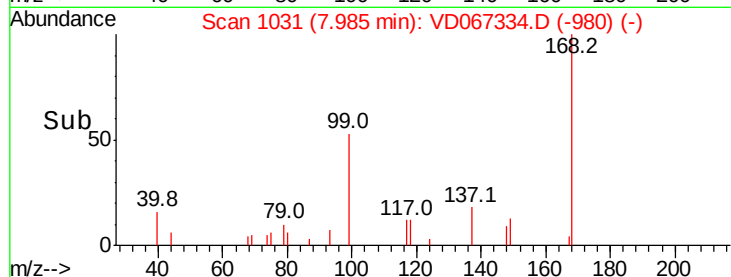
7.98

7.95

8.00

8.05

Time-->



#3

Chloromethane

Concen: 2.499 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067334.D

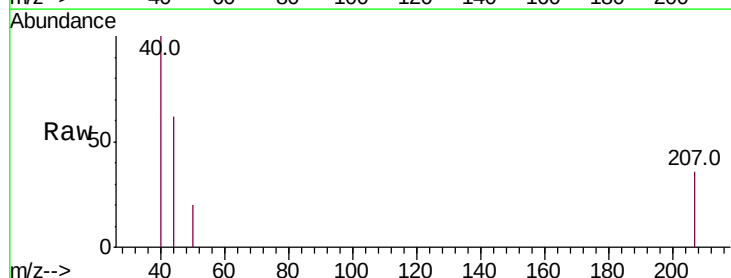
Acq: 20 Oct 2020 19:52

Tgt Ion: 50 Resp: 150

Ion Ratio Lower Upper

50 100

52 0.0 27.1 40.7#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

250

200

150

100

50

0

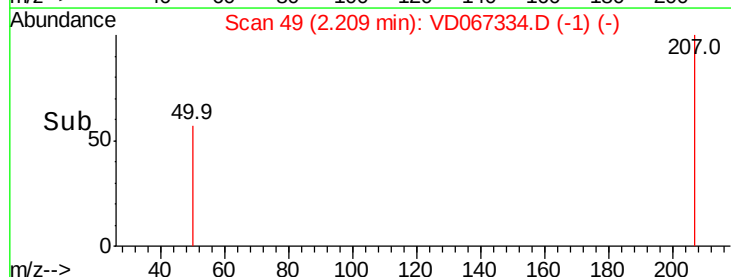
2.21

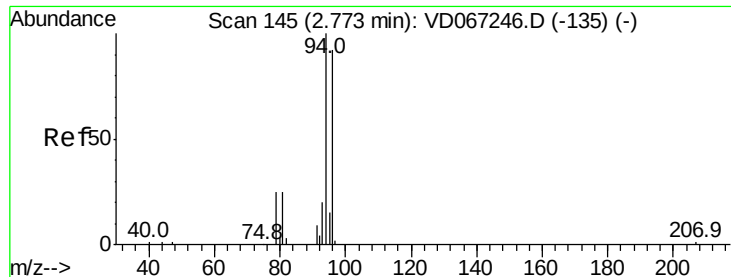
2.18

2.20

2.22

Time-->





#5

Bromomethane

Concen: 5.135 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067334.D

Acq: 20 Oct 2020 19:52

Instrument :

MSVOA_D

ClientSampleId :

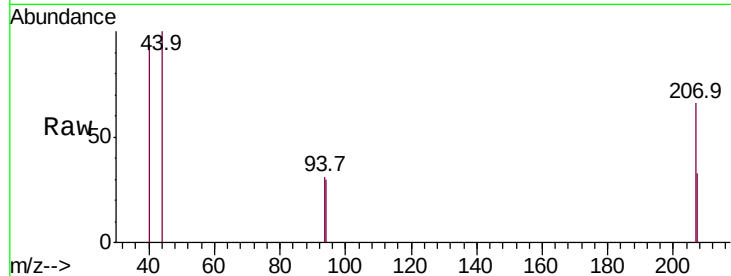
34ARE

Tot Ion: 94 Resp: 332

Ion Ratio Lower Upper

94 100

96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

300

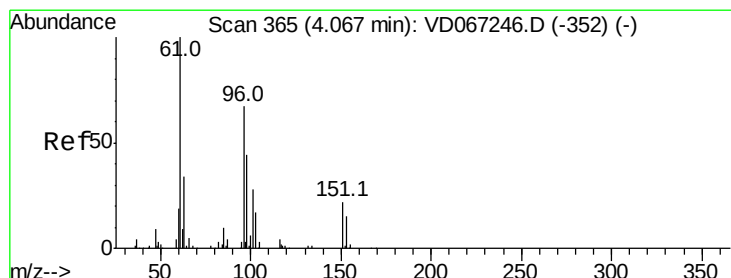
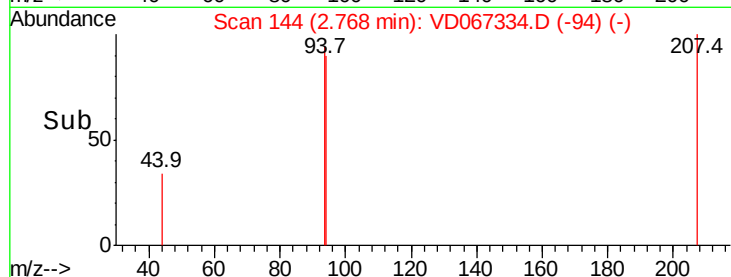
200

100

0

2.74 2.76 2.78 2.80

Time-->



#12

1,1-Dichloroethene

Concen: 1.219 ug/l

RT: 3.99 min Scan# 351

Delta R.T. -0.08 min

Lab File: VD067334.D

Acq: 20 Oct 2020 19:52

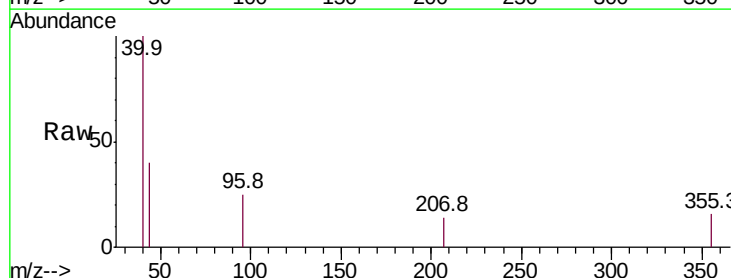
Tgt Ion: 96 Resp: 96

Ion Ratio Lower Upper

96 100

61 0.0 118.6 177.8#

98 0.0 51.8 77.6#



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

3.99

300

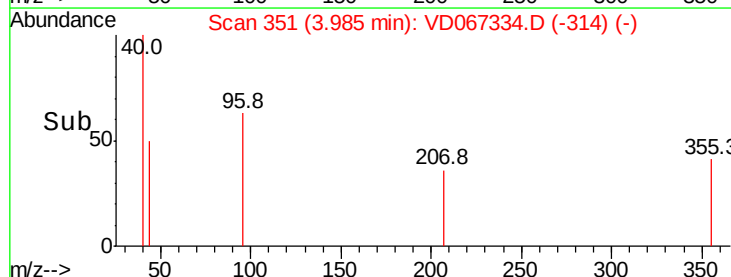
200

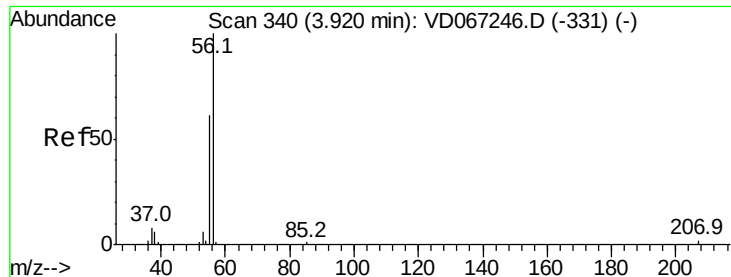
100

0

3.97 3.98 3.99 4.00

Time-->





#13

Acrolein

Concen: 30.459 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.08 min

Lab File: VD067334.D

Acq: 20 Oct 2020 19:52

Instrument :

MSVOA_D

ClientSampleId :

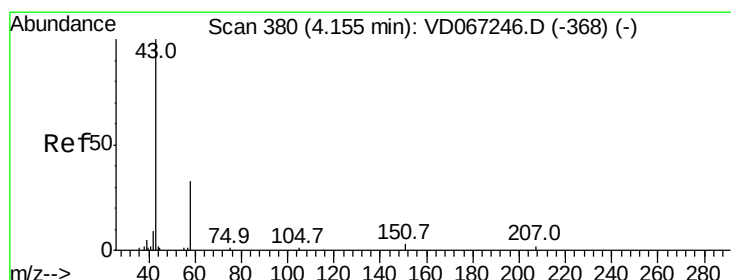
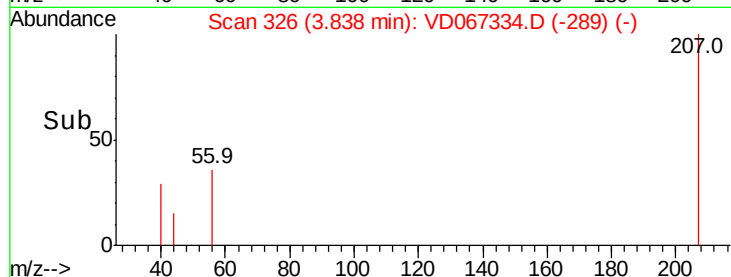
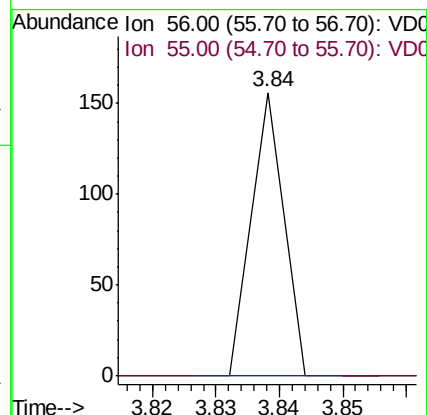
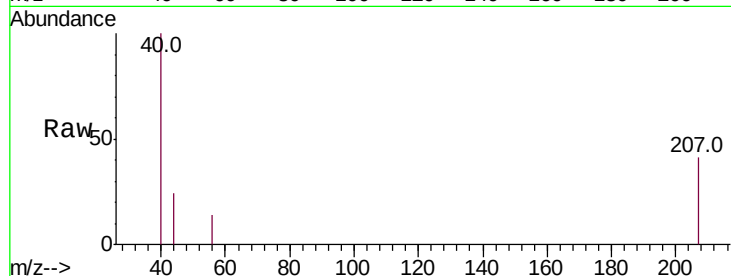
34ARE

Tot Ion: 56 Resp: 55

Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#



#16

Acetone

Concen: 105.648 ug/l

RT: 4.14 min Scan# 378

Delta R.T. -0.01 min

Lab File: VD067334.D

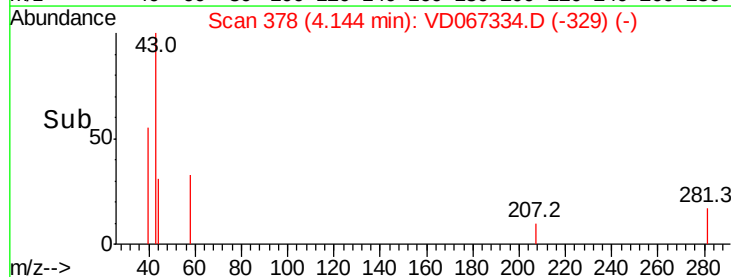
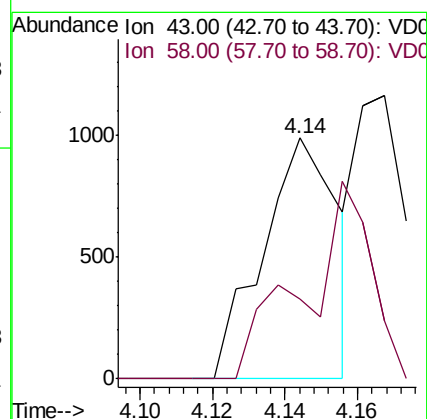
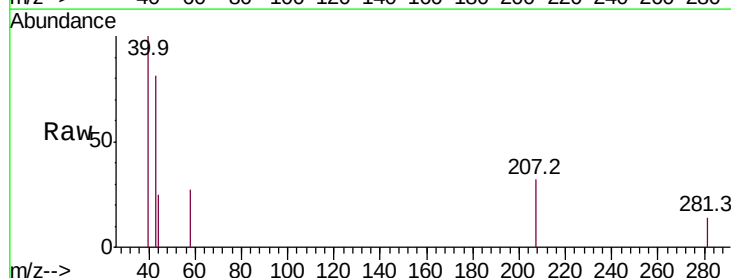
Acq: 20 Oct 2020 19:52

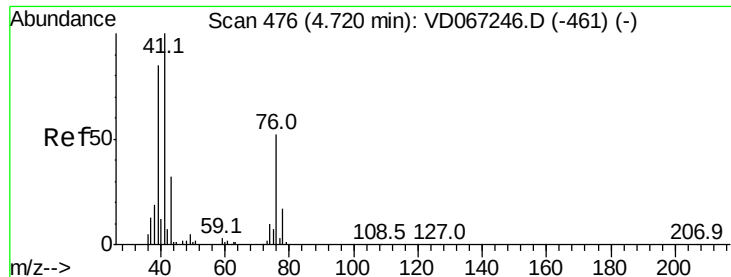
Tgt Ion: 43 Resp: 1414

Ion Ratio Lower Upper

43 100

58 33.4 26.1 39.1

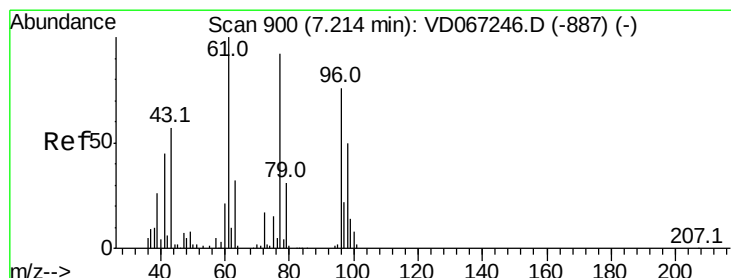
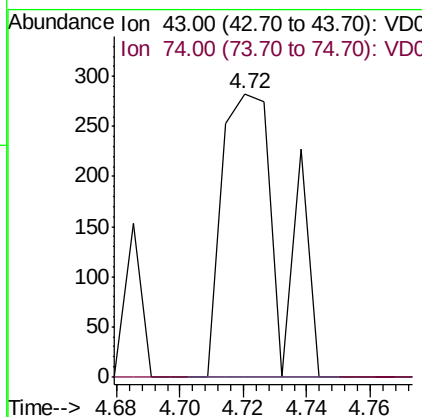
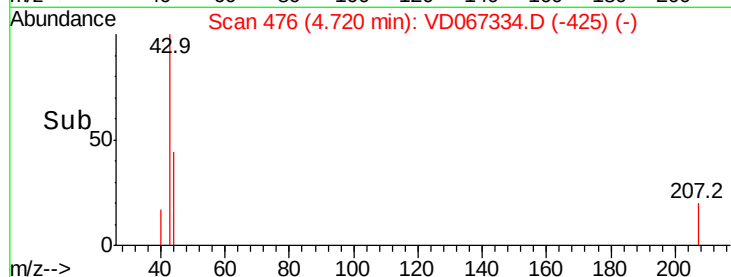
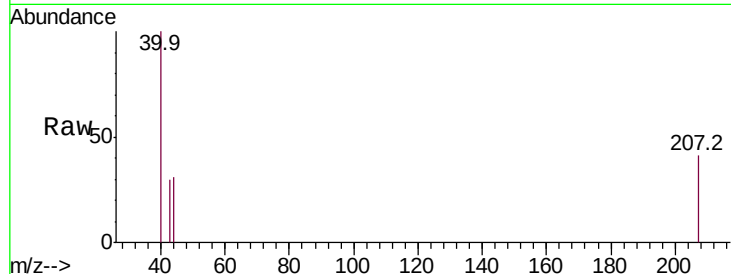




#18
Methyl Acetate
Concen: 12.022 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067334.D
Acq: 20 Oct 2020 19:52

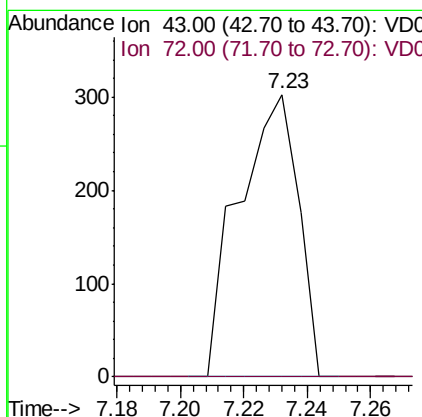
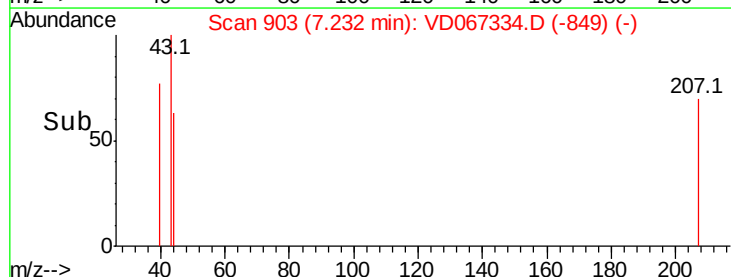
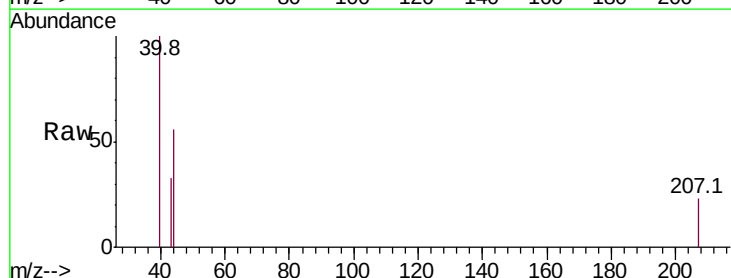
Instrument :
MSVOA_D
ClientSampled :
34ARE

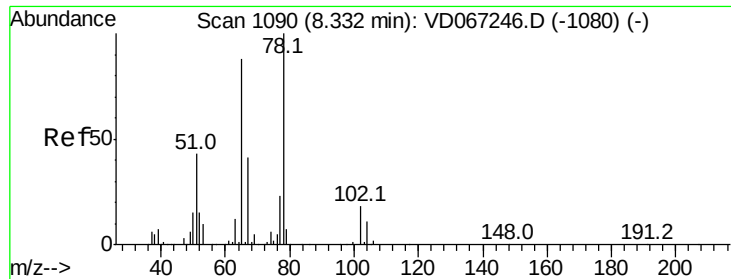
Tot Ion: 43 Resp: 367
Ion Ratio Lower Upper
43 100
74 0.0 26.6 39.8#



#25
2-Butanone
Concen: 25.825 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.02 min
Lab File: VD067334.D
Acq: 20 Oct 2020 19:52

Tgt Ion: 43 Resp: 394
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

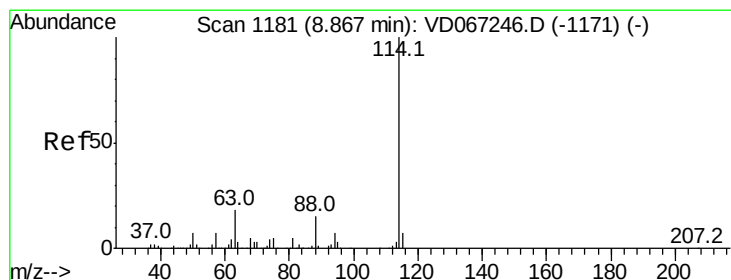
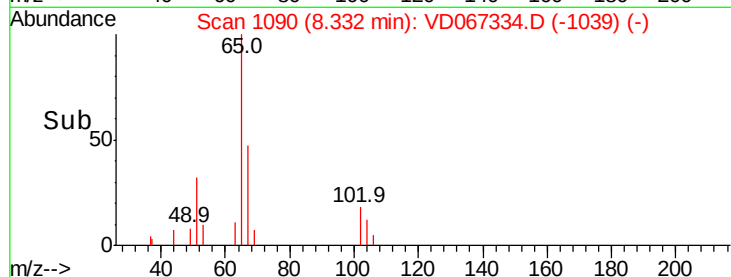
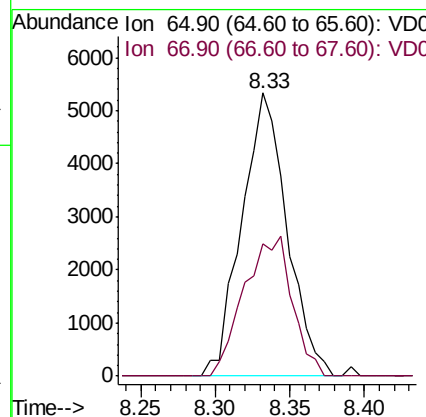
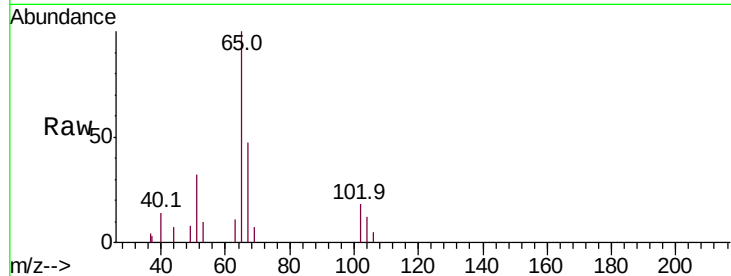




#33
 1,2-Dichloroethane-d4
 Concen: 117.342 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067334.D
 Acq: 20 Oct 2020 19:52

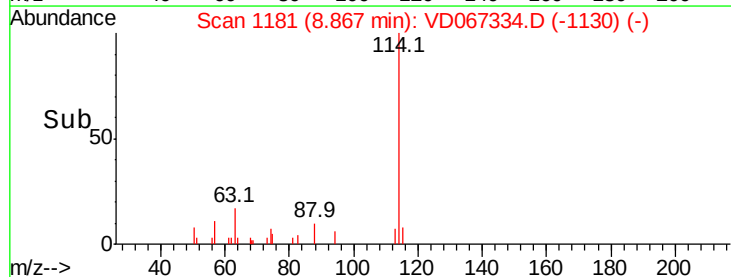
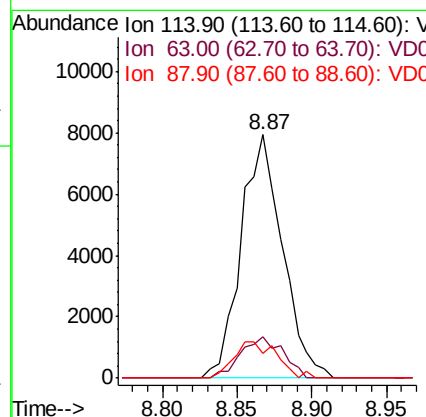
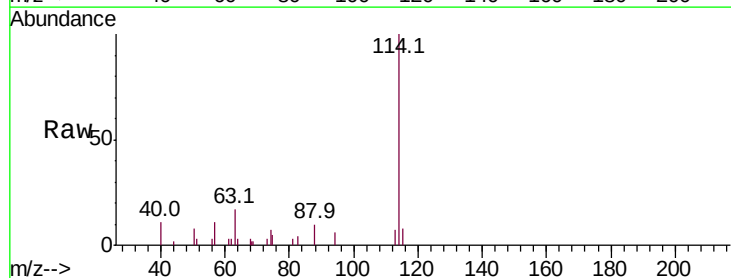
Instrument :
 MSVOA_D
 ClientSampleId :
 34ARE

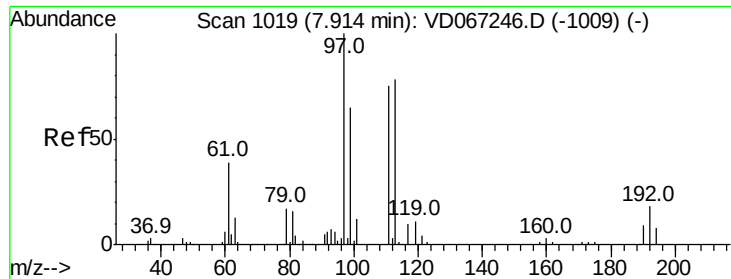
Tot Ion: 65 Resp: 11214
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067334.D
 Acq: 20 Oct 2020 19:52

Tgt Ion: 114 Resp: 15302
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 35.0
 88 10.1 0.0 30.6

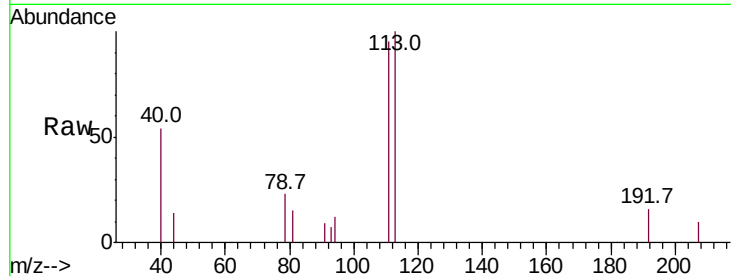




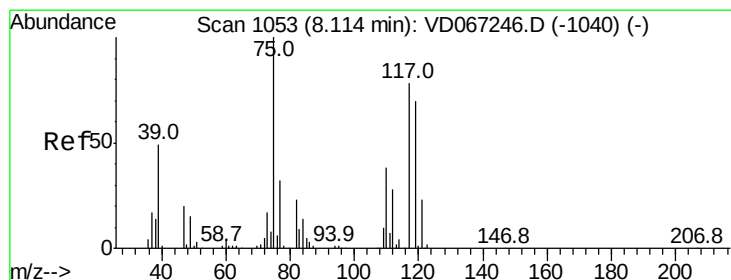
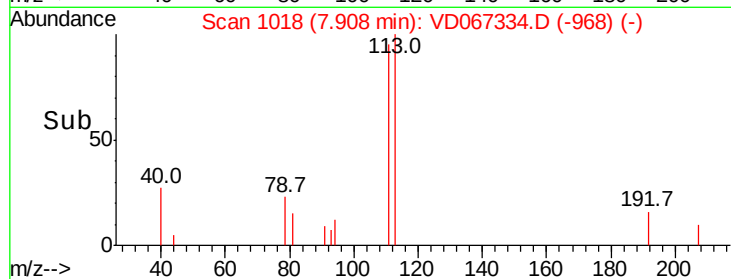
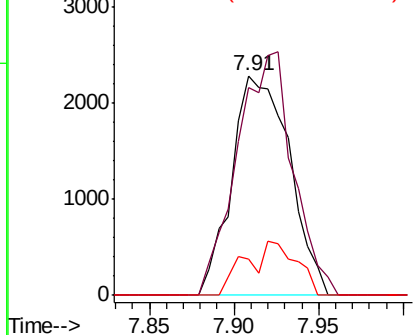
#35
 Dibromofluoromethane
 Concen: 53.430 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD067334.D
 Acq: 20 Oct 2020 19:52

Instrument :
 MSVOA_D
 ClientSampleId :
 34ARE

Tot Ion:113 Resp: 5441
 Ion Ratio Lower Upper
 113 100
 111 107.1 81.6 122.4
 192 21.5 17.0 25.4

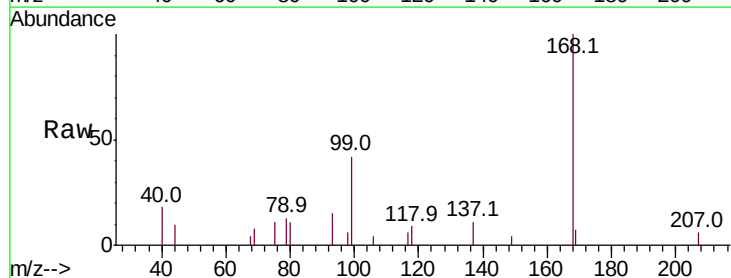


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

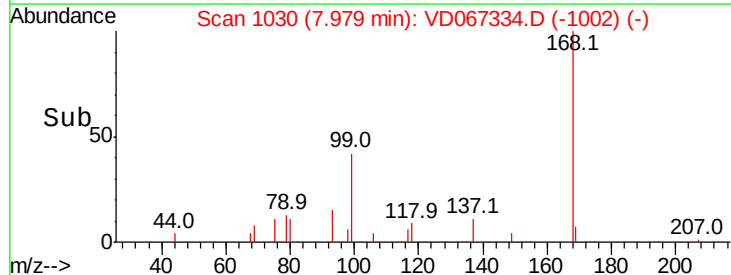
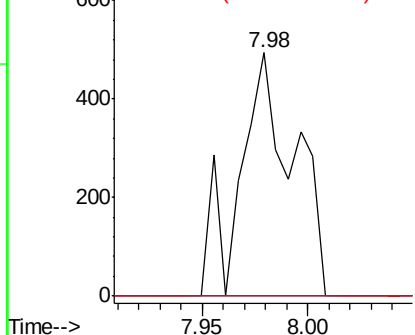


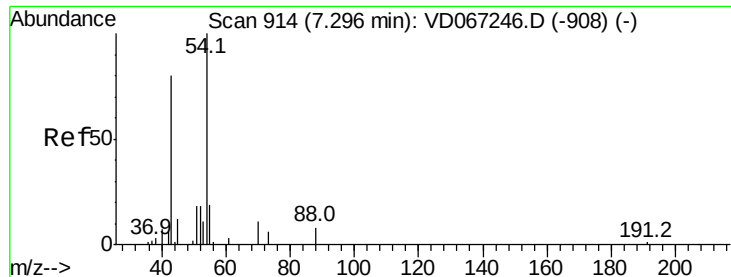
#36
 1,1-Dichloropropene
 Concen: 6.847 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD067334.D
 Acq: 20 Oct 2020 19:52

Tgt Ion: 75 Resp: 888
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.6 58.7#
 77 0.0 24.6 37.0#



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

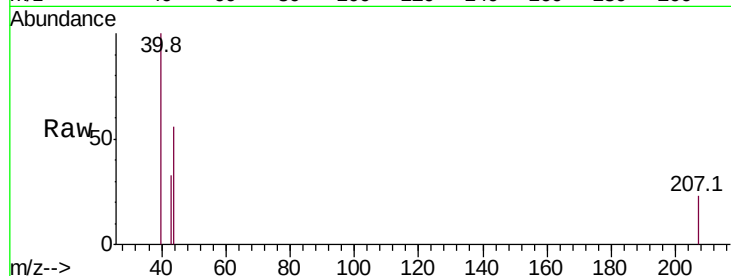




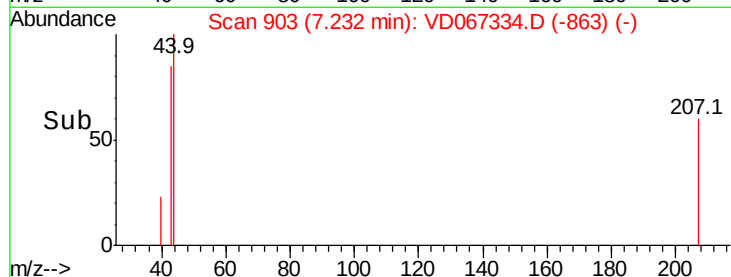
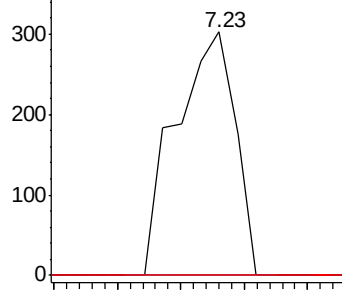
#37
Ethyl Acetate
Concen: 10.325 ug/l
RT: 7.23 min Scan# 903
Delta R.T. -0.06 min
Lab File: VD067334.D
Acq: 20 Oct 2020 19:52

Instrument :
MSVOA_D
ClientSampleId :
34ARE

Tot Ion: 43 Resp: 394
Ion Ratio Lower Upper
43 100
61 0.0 15.6 23.4#
70 0.0 10.4 15.6#

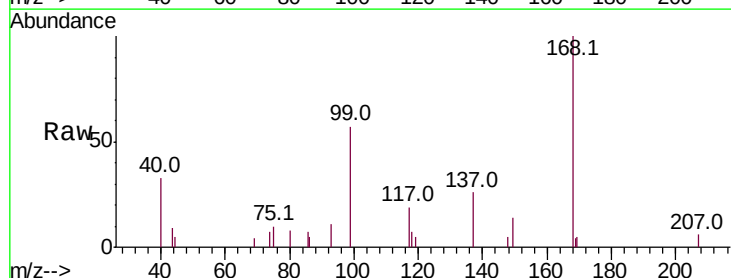
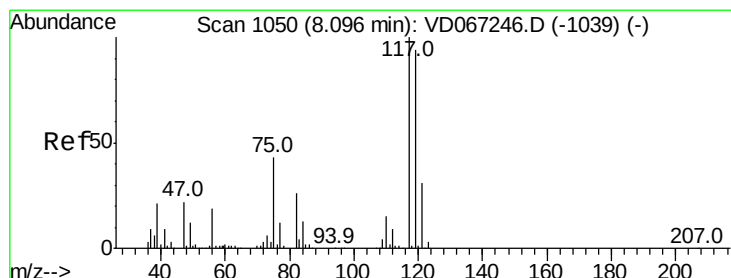


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

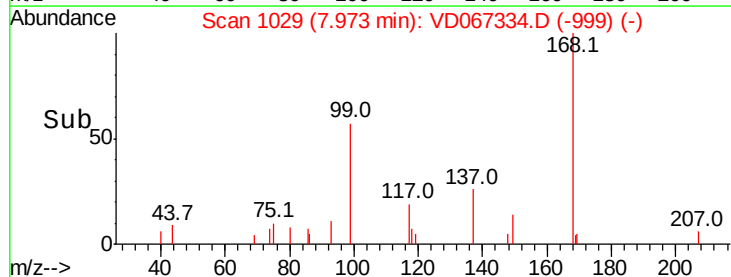
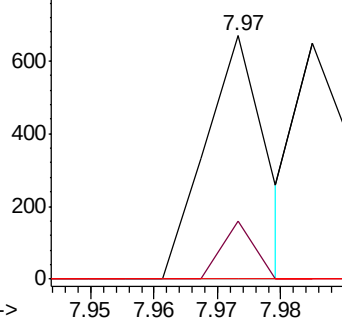


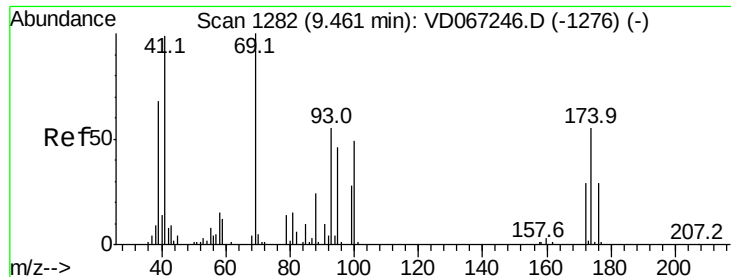
#38
Carbon Tetrachloride
Concen: 2.691 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD067334.D
Acq: 20 Oct 2020 19:52

Tgt Ion: 117 Resp: 446
Ion Ratio Lower Upper
117 100
119 24.0 75.0 112.4#
121 0.0 24.9 37.3#



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

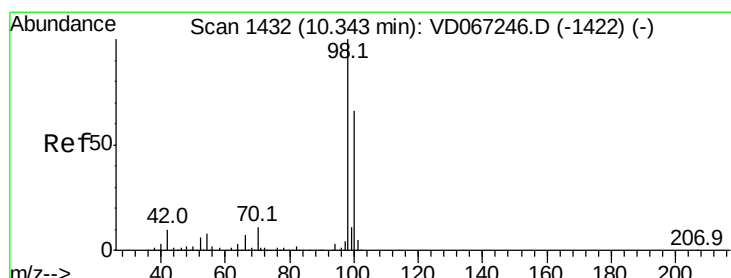
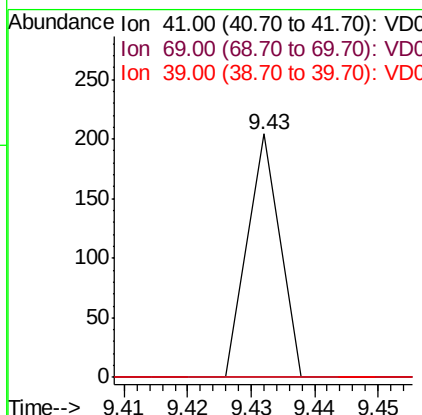
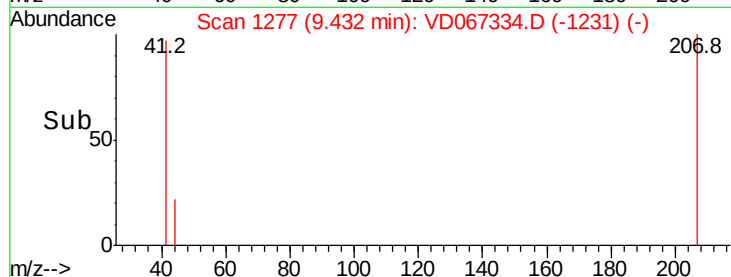
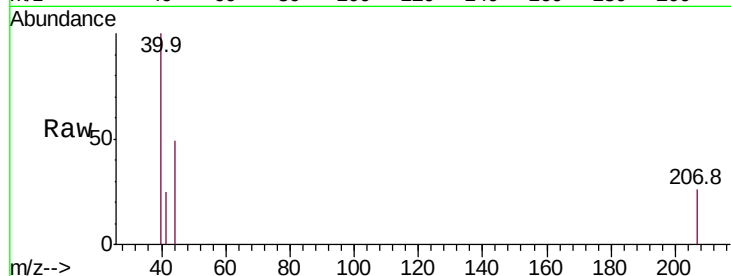




#48
Methvl methacrylate
Concen: 1.957 ug/l
RT: 9.43 min Scan# 1277
Delta R.T. -0.03 min
Lab File: VD067334.D
Acq: 20 Oct 2020 19:52

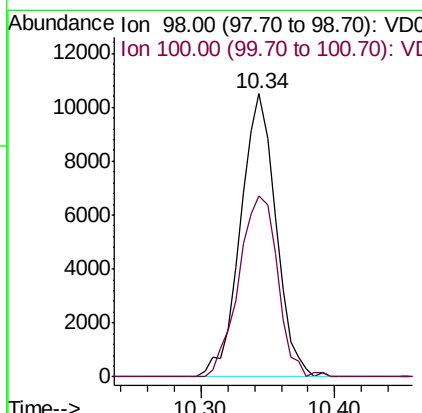
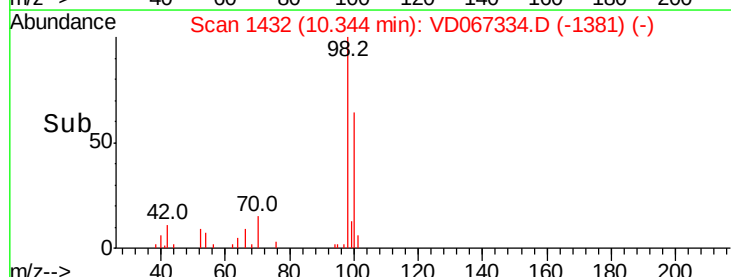
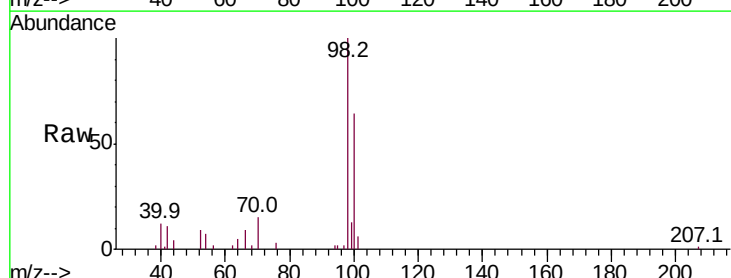
Instrument :
MSVOA_D
ClientSampled :
34ARE

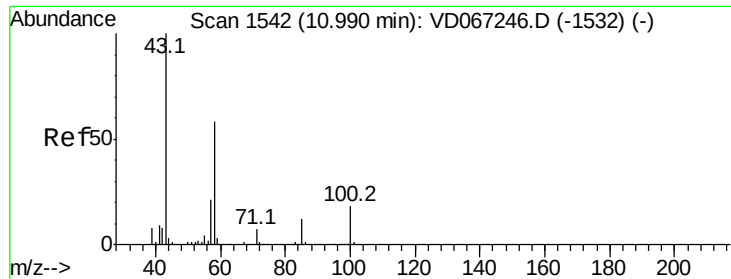
Tot Ion: 41 Resp: 72
Ion Ratio Lower Upper
41 100
69 0.0 89.0 133.6#
39 0.0 60.2 90.2#



#50
Toluene-d8
Concen: 52.101 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067334.D
Acq: 20 Oct 2020 19:52

Tgt Ion: 98 Resp: 19201
Ion Ratio Lower Upper
98 100
100 70.5 53.1 79.7

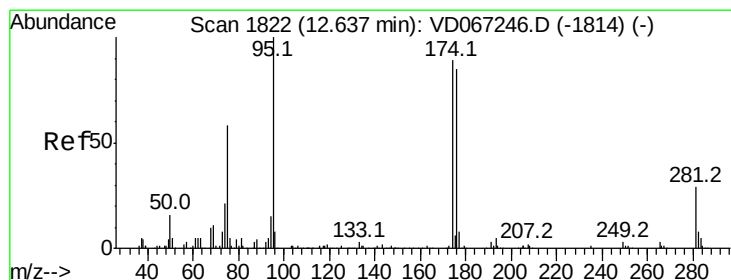
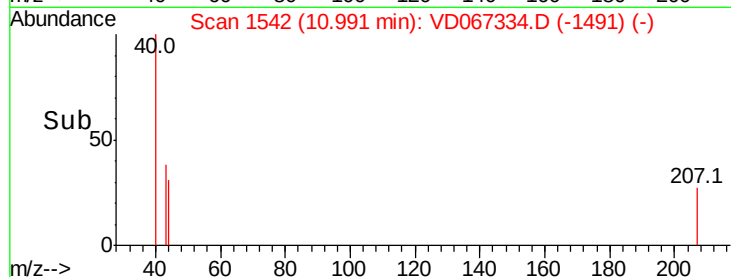
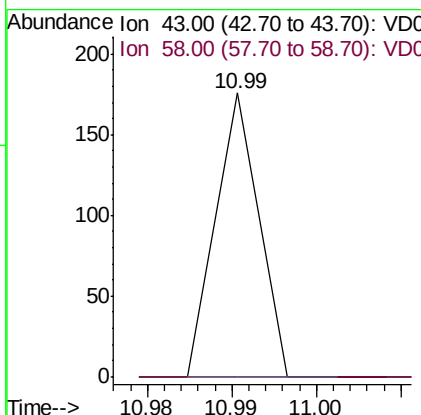
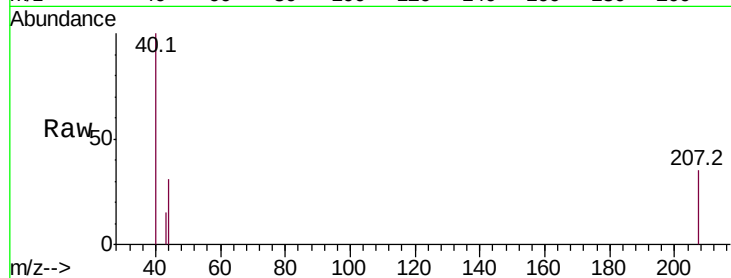




#59
2-Hexanone
Concen: 2.403 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067334.D
Acq: 20 Oct 2020 19:52

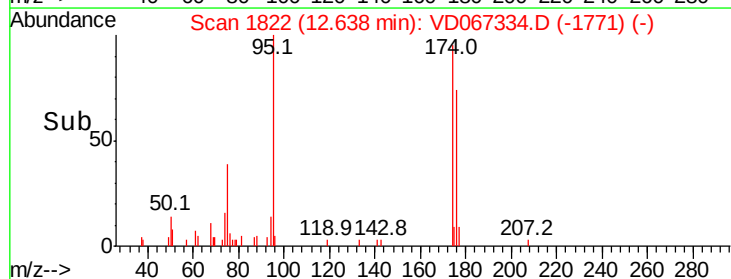
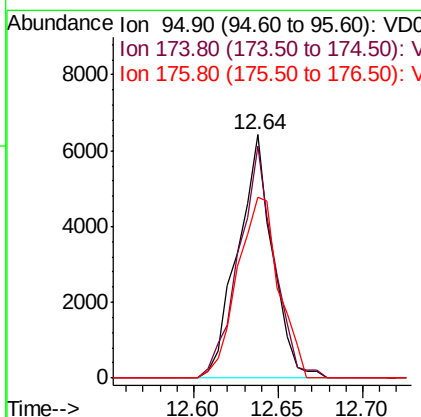
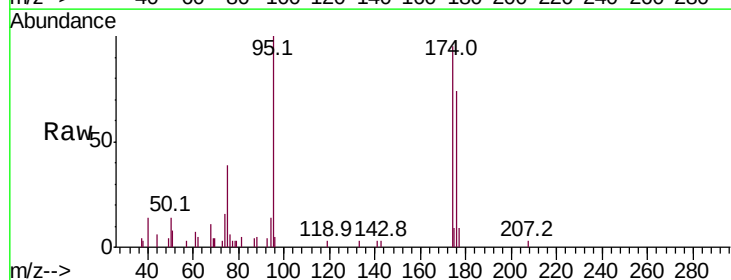
Instrument :
MSVOA_D
ClientSampleId :
34ARE

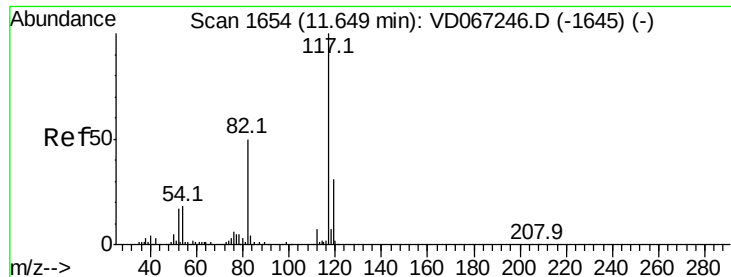
Tot Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 29.3 87.9#



#62
4-Bromofluorobenzene
Concen: 71.894 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067334.D
Acq: 20 Oct 2020 19:52

Tgt Ion: 95 Resp: 9213
Ion Ratio Lower Upper
95 100
174 97.1 0.0 175.2
176 88.7 0.0 168.6

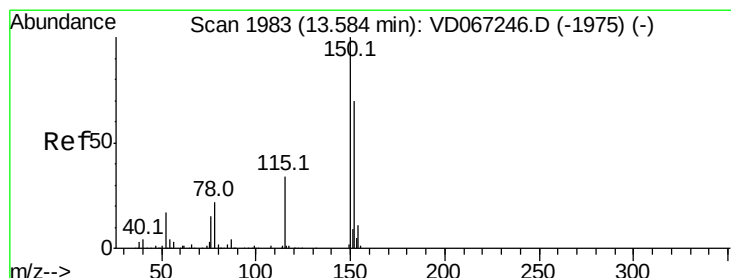
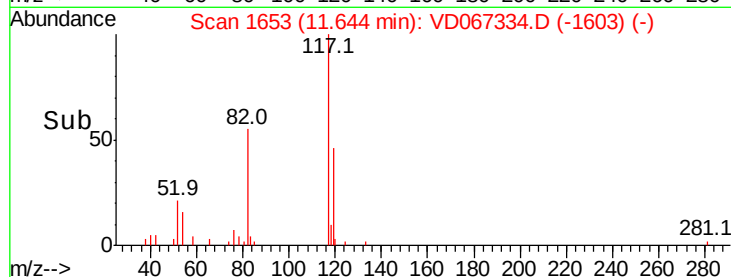
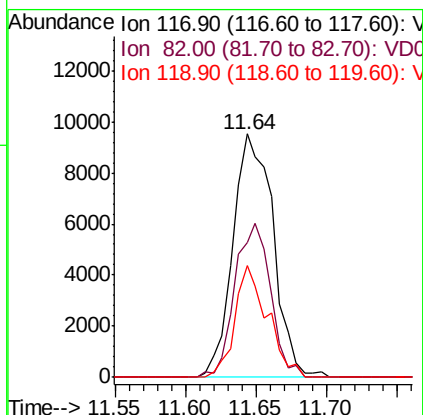
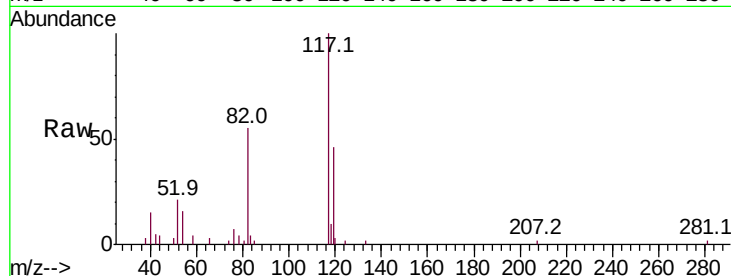




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD067334.D
Acq: 20 Oct 2020 19:52

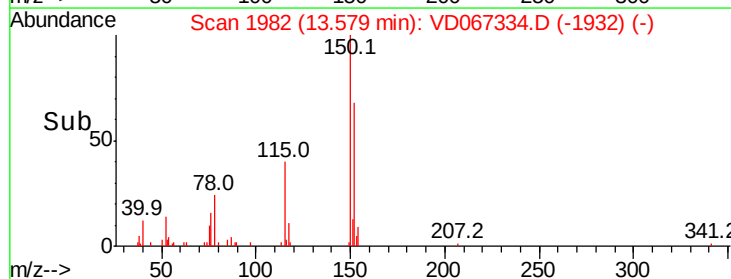
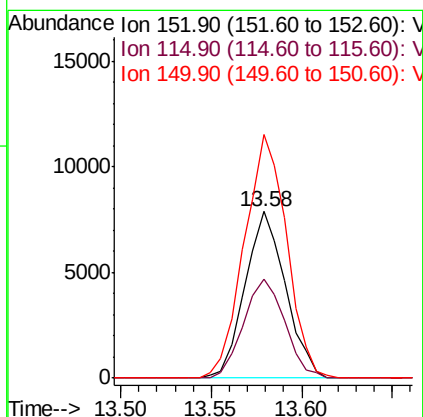
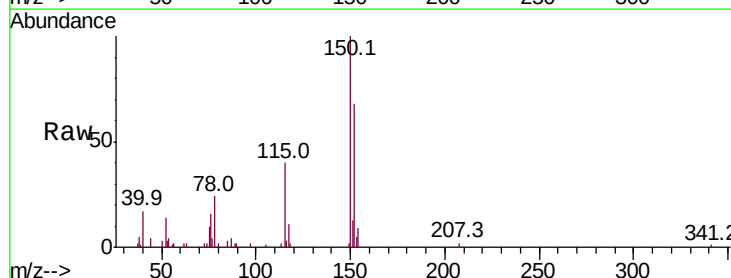
Instrument :
MSVOA_D
ClientSampleId :
34ARE

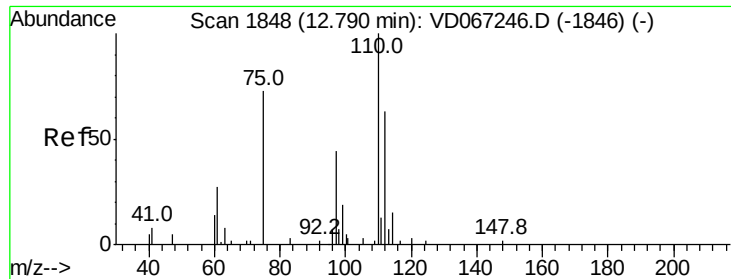
Tot Ion:117 Resp: 18977
Ion Ratio Lower Upper
117 100
82 55.4 39.9 59.9
119 45.7 24.9 37.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067334.D
Acq: 20 Oct 2020 19:52

Tgt Ion:152 Resp: 12220
Ion Ratio Lower Upper
152 100
115 60.4 29.3 87.9
150 152.7 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 52.316 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD067334.D

Acq: 20 Oct 2020 19:52

Instrument :

MSVOA_D

ClientSampleId :

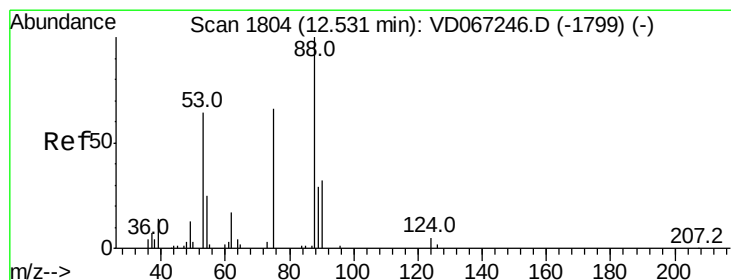
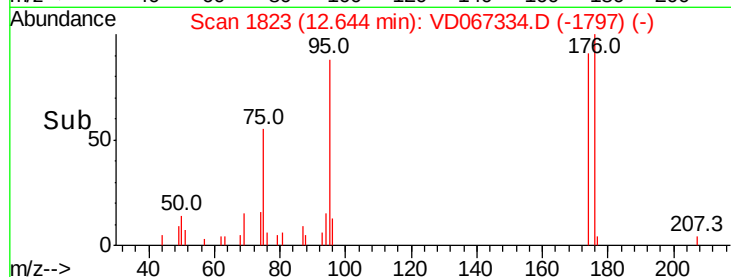
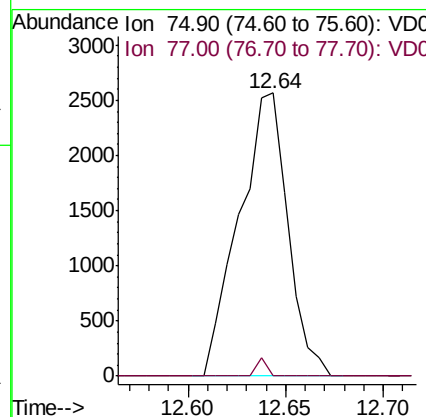
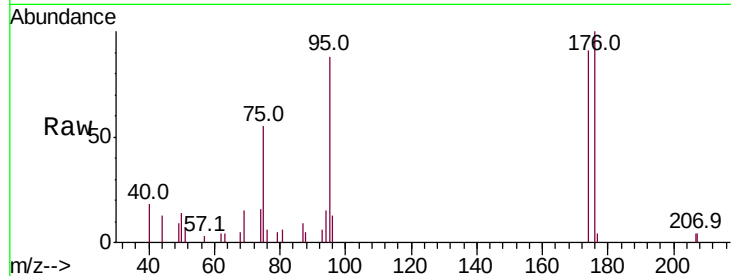
34ARE

Tot Ion: 75 Resp: 4431

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 118.638 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD067334.D

Acq: 20 Oct 2020 19:52

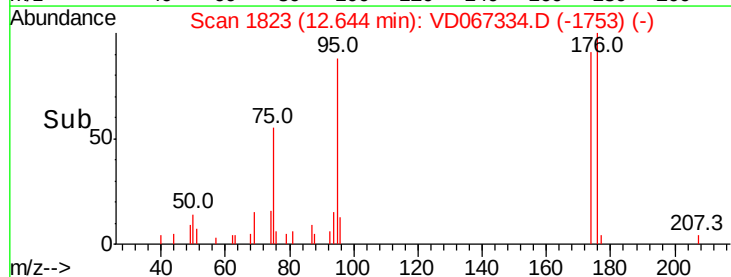
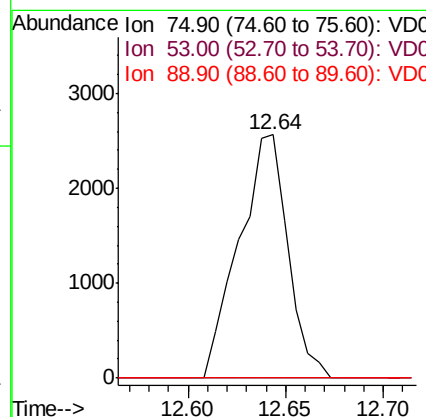
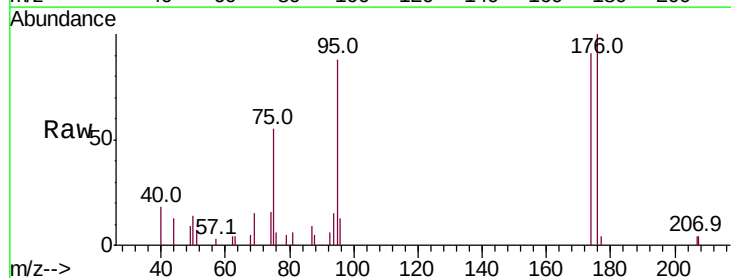
Tgt Ion: 75 Resp: 4431

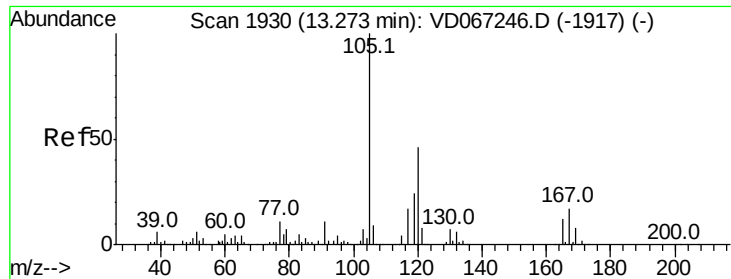
Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#

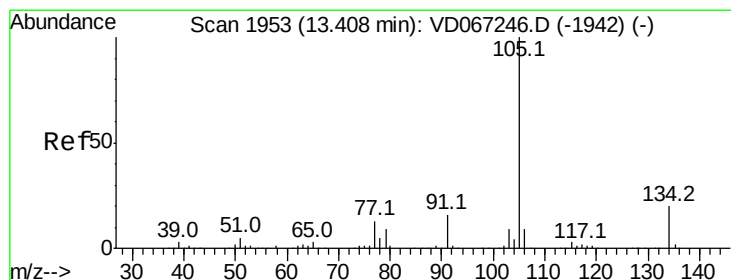
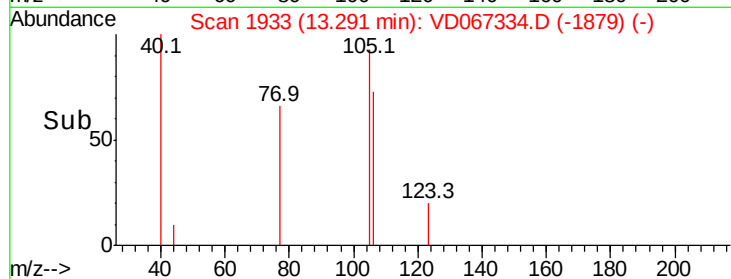
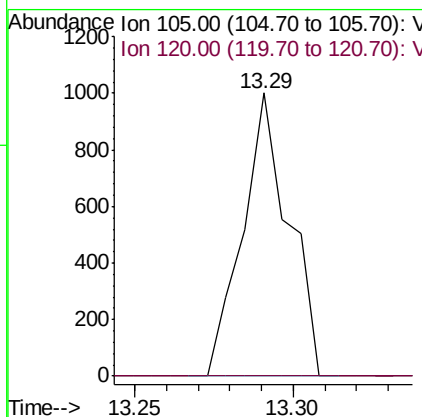
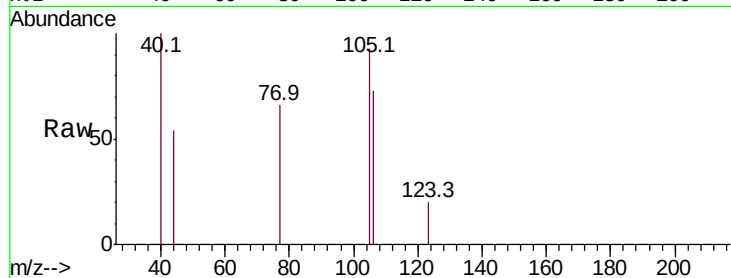




#84
 1,2,4-Trimethylbenzene
 Concen: 1.512 ug/l
 RT: 13.29 min Scan# 1933
 Delta R.T. 0.02 min
 Lab File: VD067334.D
 Acq: 20 Oct 2020 19:52

Instrument :
 MSVOA_D
 ClientSampleId :
 34ARE

Tot Ion:105 Resp: 1007
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.4 67.3#



#85
 sec-Butylbenzene
 Concen: 1.289 ug/l
 RT: 13.29 min Scan# 1933
 Delta R.T. -0.12 min
 Lab File: VD067334.D
 Acq: 20 Oct 2020 19:52

Tgt Ion:105 Resp: 1007
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.5 31.5#

