

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103019\
 Data File : VD064119.D
 Acq On : 30 Oct 2019 18:25
 Operator : VA/SY
 Sample : K5602-04
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 31 04:04:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	143011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	249385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	250088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	118225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	80117	70.44	ug/l	0.00
Spiked Amount						
				Recovery	=	140.88%
35) Dibromofluoromethane	7.91	113	38790	25.28	ug/l	0.00
Spiked Amount						
				Recovery	=	50.56%
50) Toluene-d8	10.34	98	304433	49.62	ug/l	0.00
Spiked Amount						
				Recovery	=	99.24%
62) 4-Bromofluorobenzene	12.64	95	101847	50.07	ug/l	0.00
Spiked Amount						
				Recovery	=	100.14%

Target Compounds

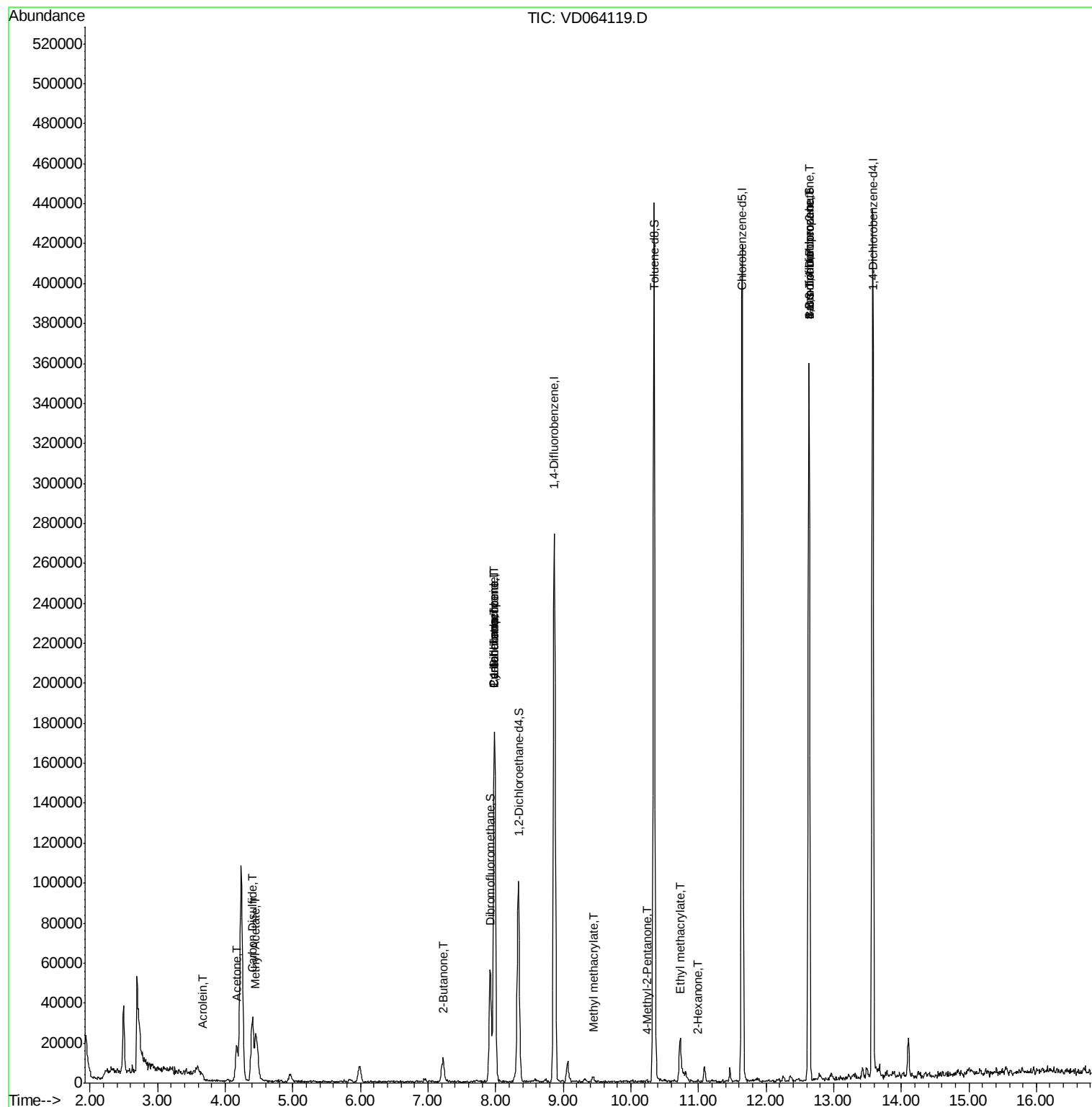
					Qvalue	
13) Acrolein	3.66	56	75	1.034	ug/l #	16
16) Acetone	4.17	43	32530	150.318	ug/l	89
17) Carbon Disulfide	4.40	76	68192	17.888	ug/l	97
18) Methyl Acetate	4.46	43	8787	15.265	ug/l #	47
20) Methylene Chloride	4.97	84	1443	Below Cal	#	68
25) 2-Butanone	7.23	43	7160	23.932	ug/l #	83
31) Cyclohexane	7.98	56	2660	1.257	ug/l #	66
36) 1,1-Dichloropropene	7.98	75	9828	4.206	ug/l #	47
38) Carbon Tetrachloride	7.98	117	13172	5.166	ug/l #	16
48) Methyl methacrylate	9.45	41	965	1.436	ug/l #	16
51) 4-Methyl-2-Pentanone	10.24	43	793	1.002	ug/l #	34
56) Ethyl methacrylate	10.73	69	56	3.053	ug/l #	45
59) 2-Hexanone	10.99	43	375	9.597	ug/l	84
71) Bromoform	12.64	173	1702	1.648	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	53842	67.777	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	53842	138.417	ug/l #	15

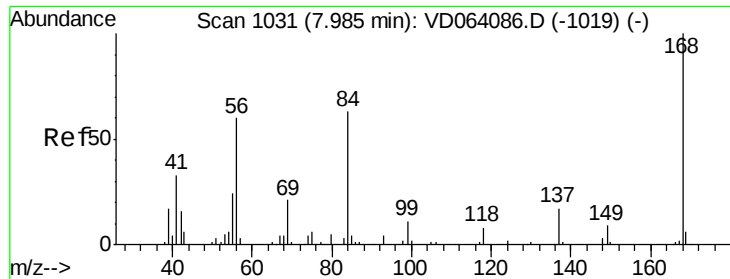
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD103019\
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Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064119.D

Acq: 30 Oct 2019 18:25

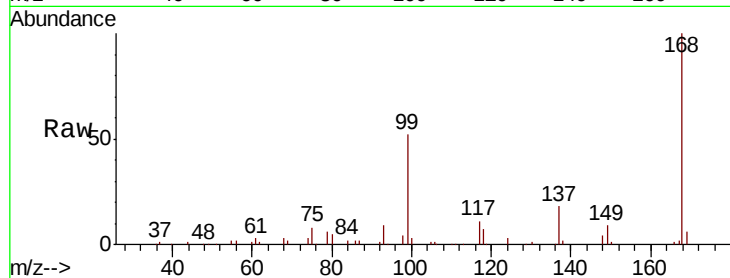
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 143011

Ion Ratio Lower Upper

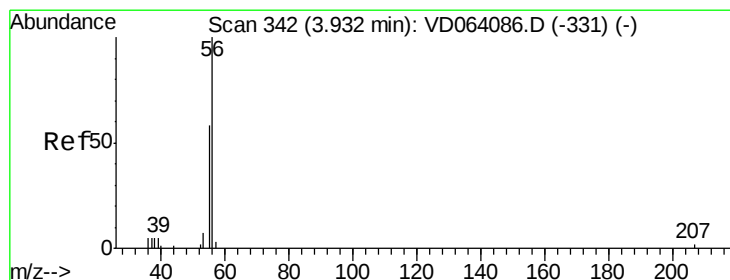
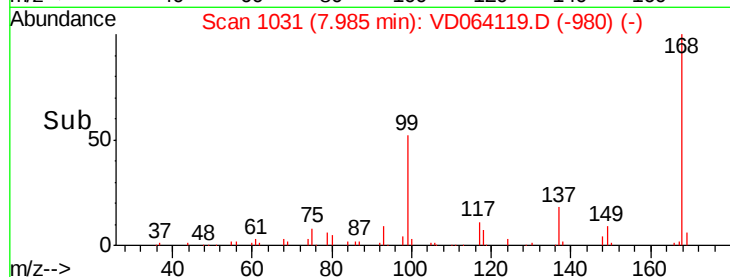
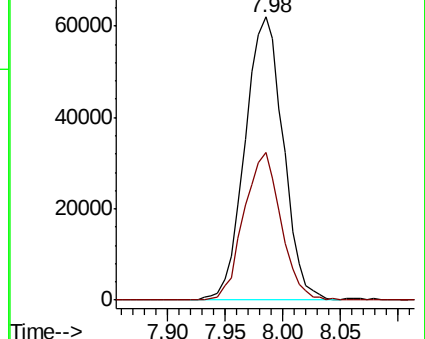
168 100

99 52.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#13

Acrolein

Concen: 1.034 ug/l

RT: 3.66 min Scan# 295

Delta R.T. -0.28 min

Lab File: VD064119.D

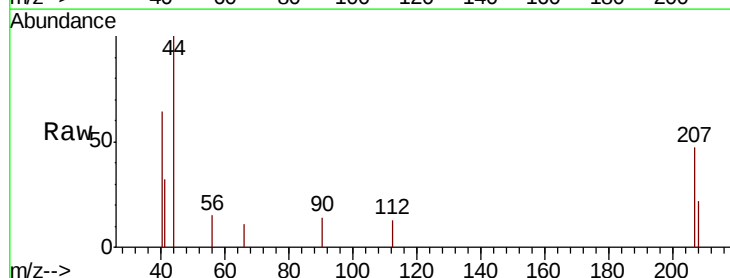
Acq: 30 Oct 2019 18:25

Tgt Ion: 56 Resp: 75

Ion Ratio Lower Upper

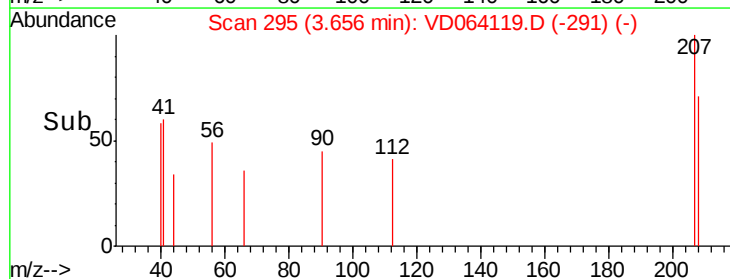
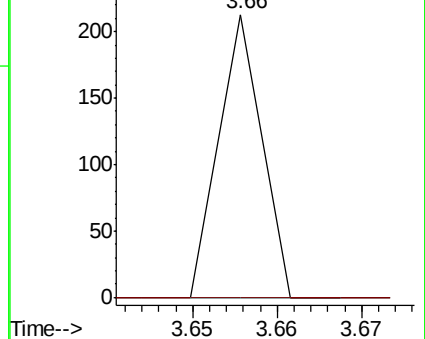
56 100

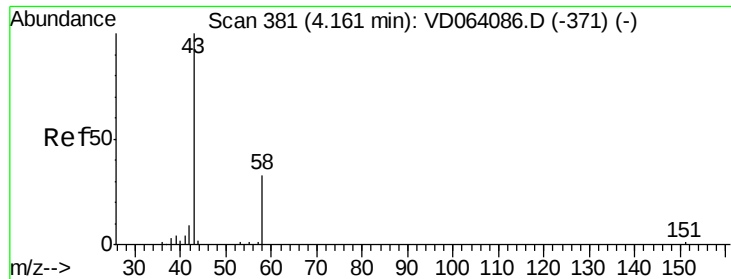
55 0.0 53.8 80.6#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 150.318 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064119.D

Acq: 30 Oct 2019 18:25

Instrument :

MSVOA_D

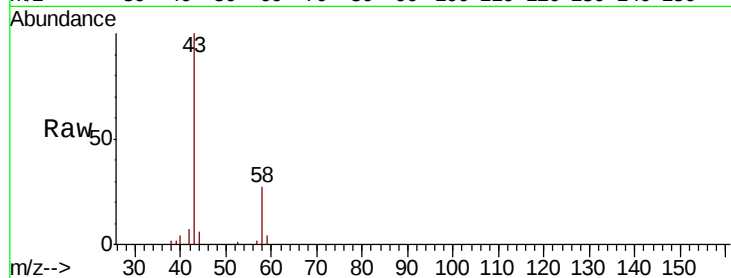
ClientSampleId :

Tot Ion: 43 Resp: 32530

Ion Ratio Lower Upper

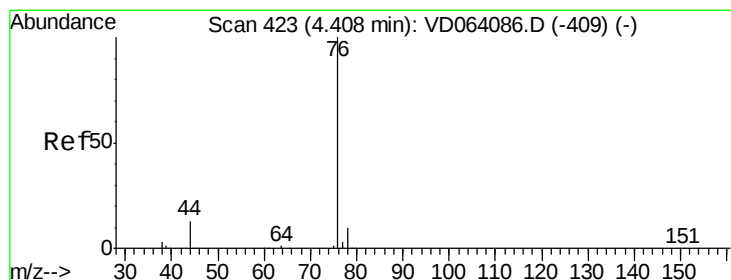
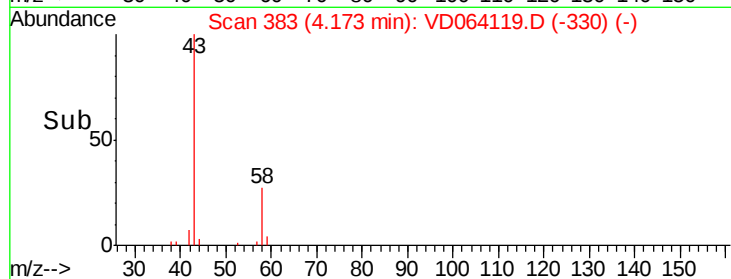
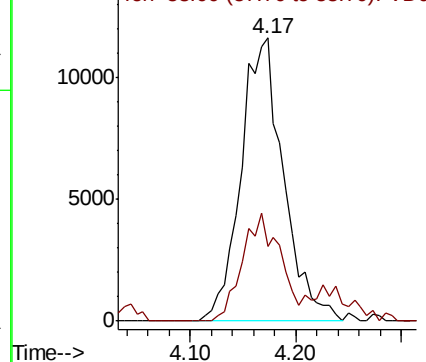
43 100

58 26.6 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 17.888 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD064119.D

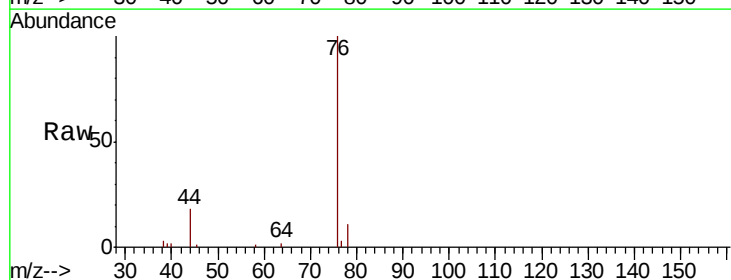
Acq: 30 Oct 2019 18:25

Tgt Ion: 76 Resp: 68192

Ion Ratio Lower Upper

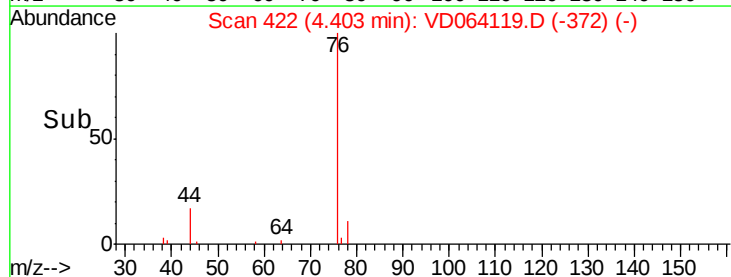
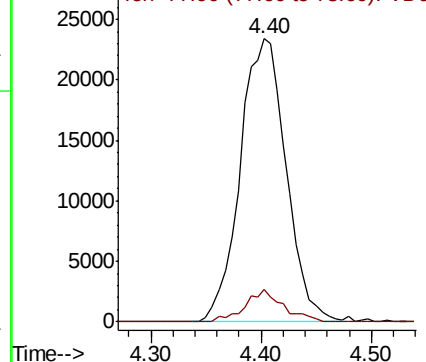
76 100

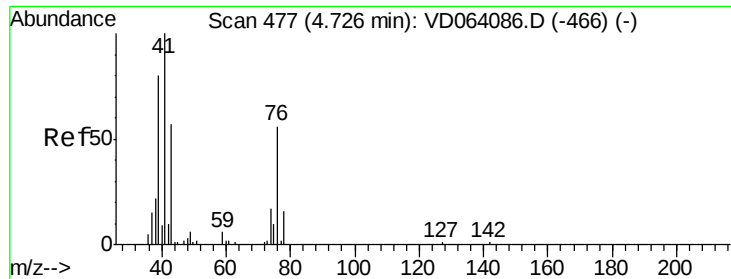
78 11.4 8.1 12.1



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

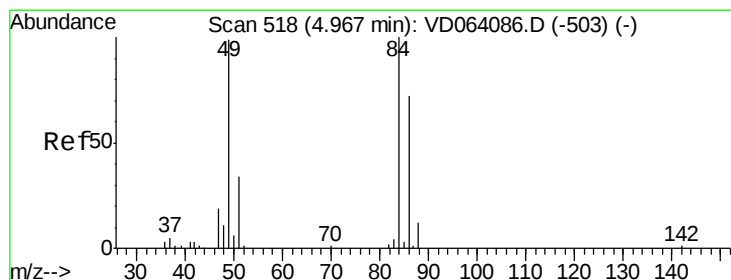
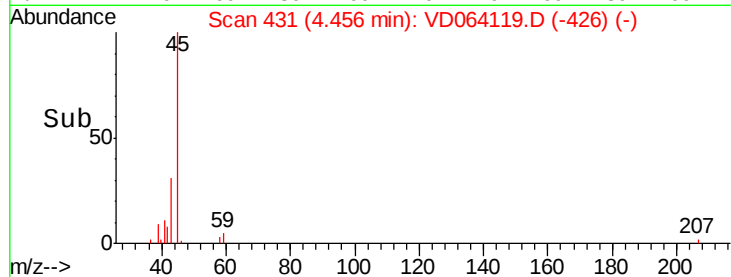
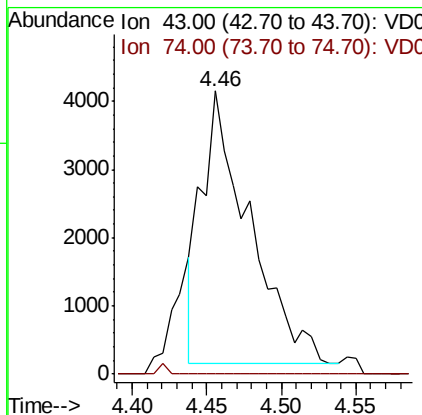
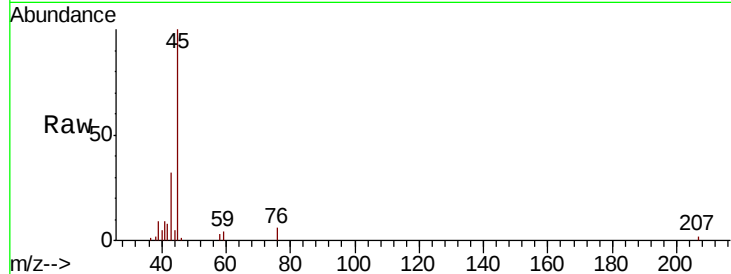




#18
Methyl Acetate
Concen: 15.265 ug/l
RT: 4.46 min Scan# 431
Delta R.T. -0.27 min
Lab File: VD064119.D
Acq: 30 Oct 2019 18:25

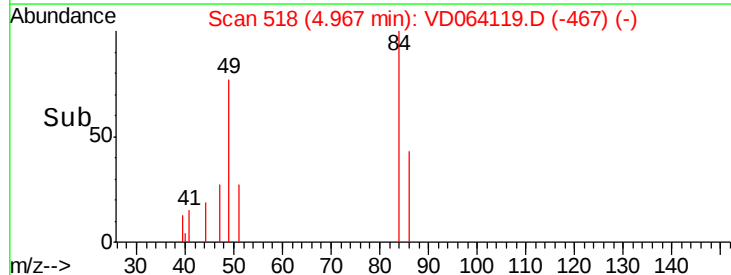
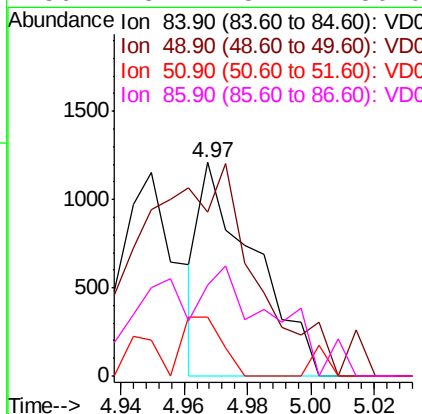
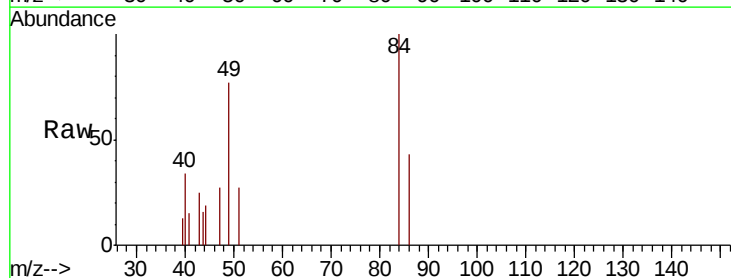
Instrument :
MSVOA_D
ClientSampled :

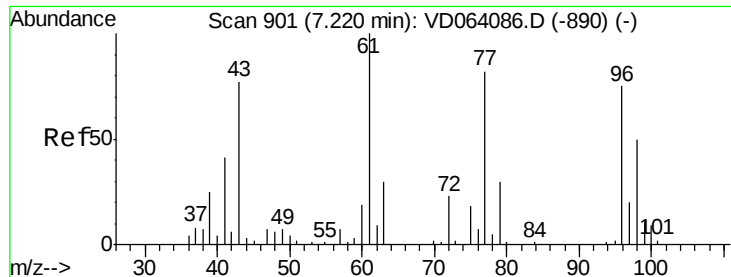
Tot Ion: 43 Resp: 8787
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD064119.D
Acq: 30 Oct 2019 18:25

Tgt Ion: 84 Resp: 1443
Ion Ratio Lower Upper
84 100
49 77.0 79.4 119.0#
51 27.4 27.4 41.2#
86 25.2 57.4 86.0#





#25

2-Butanone

Concen: 23.932 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064119.D

Acq: 30 Oct 2019 18:25

Instrument :

MSVOA_D

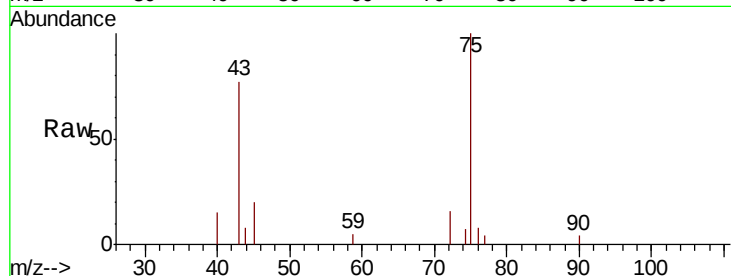
ClientSampleId :

Tot Ion: 43 Resp: 7160

Ion Ratio Lower Upper

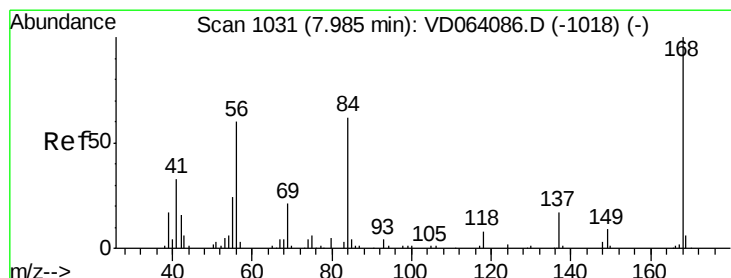
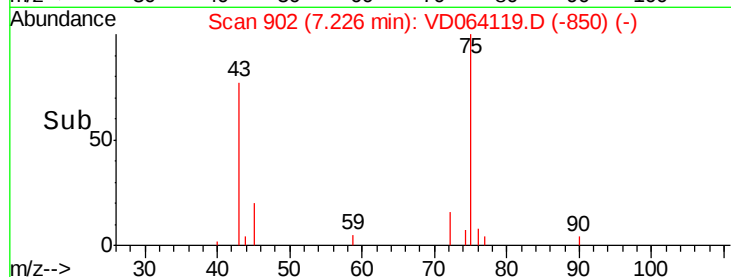
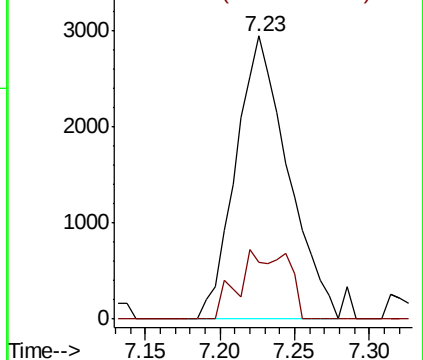
43 100

72 20.3 23.4 35.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.257 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064119.D

Acq: 30 Oct 2019 18:25

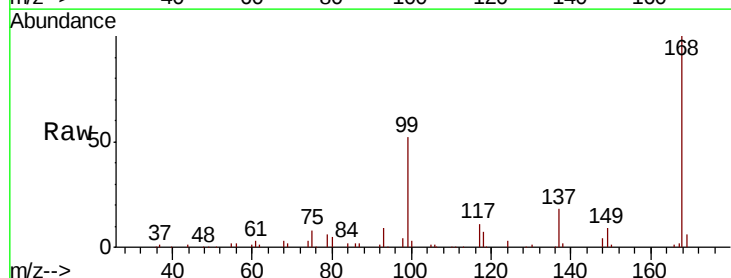
Tgt Ion: 56 Resp: 2660

Ion Ratio Lower Upper

56 100

69 91.9 27.7 41.5#

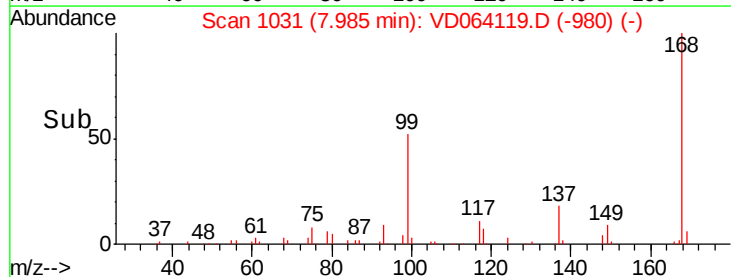
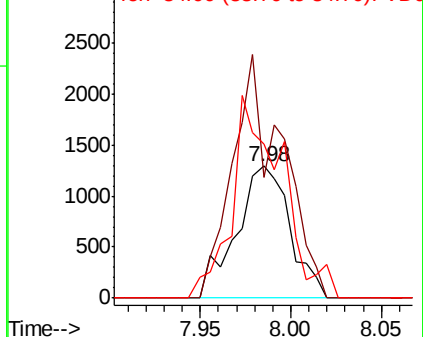
84 116.6 83.1 124.7

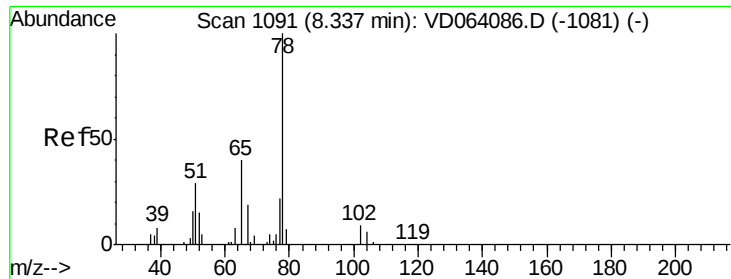


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 70.440 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064119.D

Acq: 30 Oct 2019 18:25

Instrument :

MSVOA_D

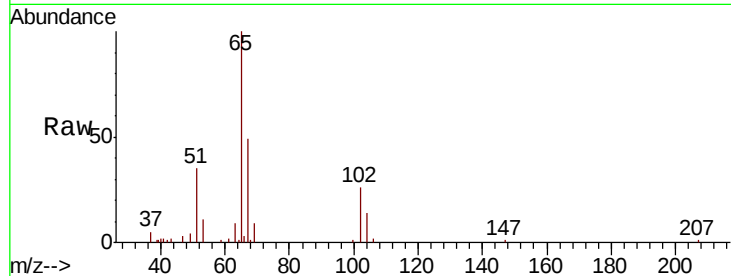
ClientSampleId :

Tot Ion: 65 Resp: 80117

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

40000

30000

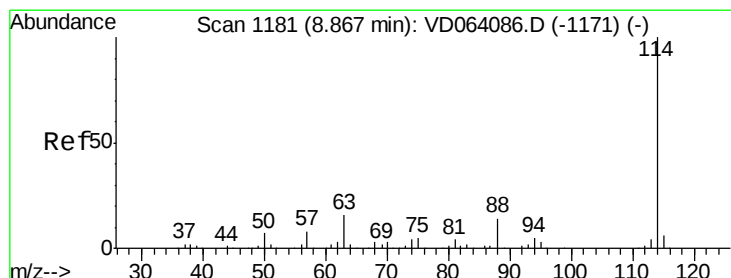
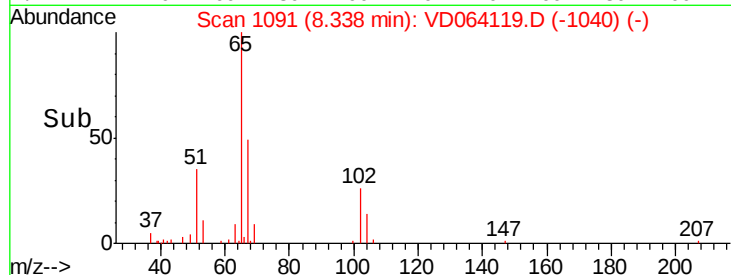
20000

10000

0

8.30 8.34 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064119.D

Acq: 30 Oct 2019 18:25

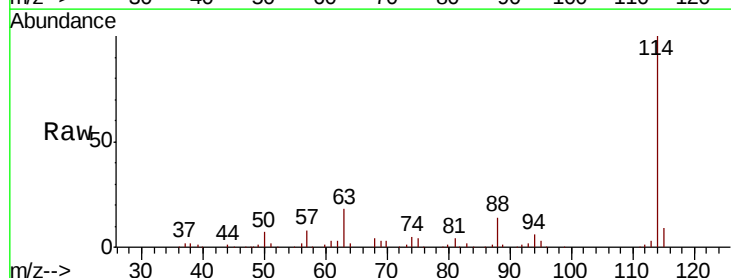
Tgt Ion: 114 Resp: 249385

Ion Ratio Lower Upper

114 100

63 18.2 0.0 32.8

88 14.0 0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

150000

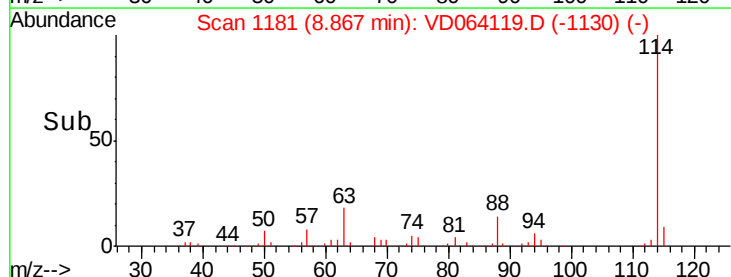
100000

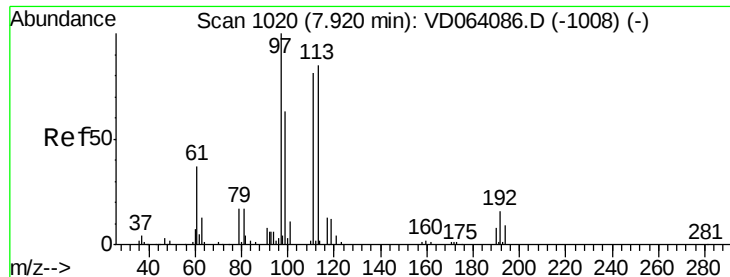
50000

0

8.75 8.80 8.85 8.90 8.95

Time-->

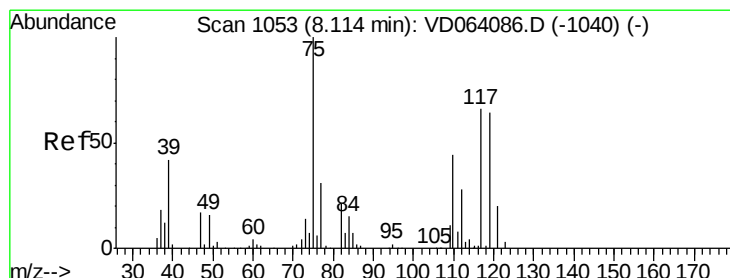
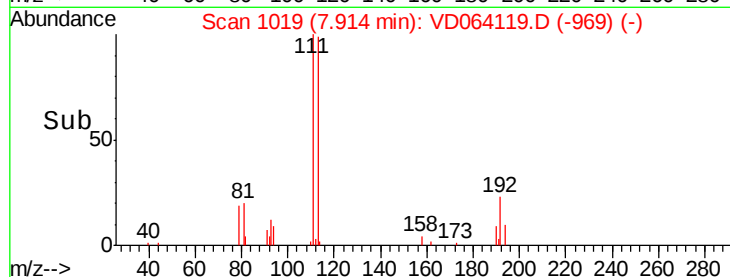
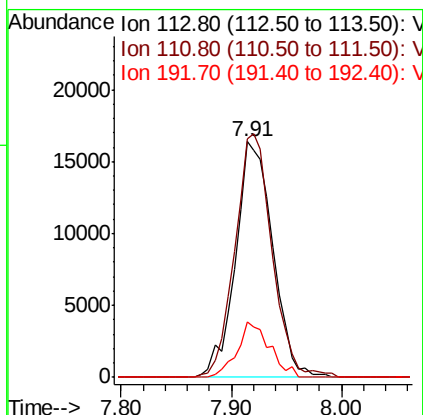
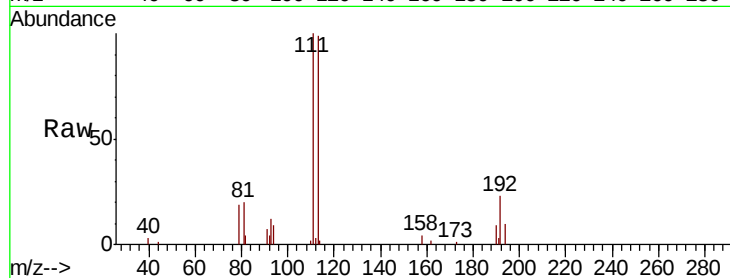




#35
 Dibromofluoromethane
 Concen: 25.282 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064119.D
 Acq: 30 Oct 2019 18:25

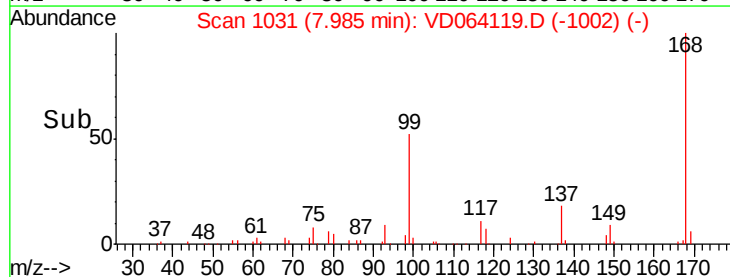
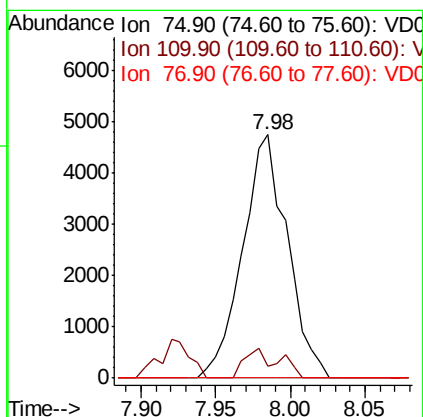
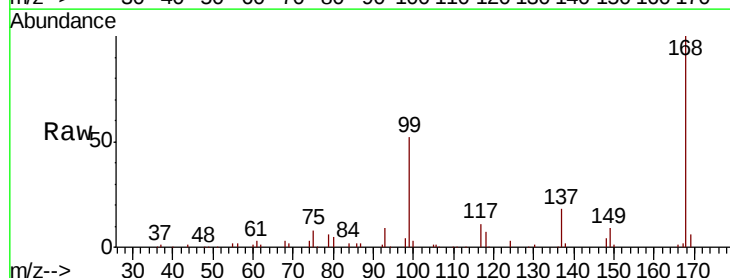
Instrument :
 MSVOA_D
 ClientSampleId :

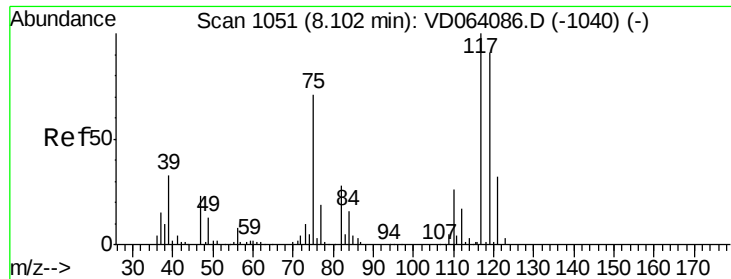
Tot Ion:113 Resp: 38790
 Ion Ratio Lower Upper
 113 100
 111 102.9 79.3 118.9
 192 20.5 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.206 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064119.D
 Acq: 30 Oct 2019 18:25

Tgt Ion: 75 Resp: 9828
 Ion Ratio Lower Upper
 75 100
 110 9.2 20.0 59.9#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.166 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD064119.D

Acq: 30 Oct 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

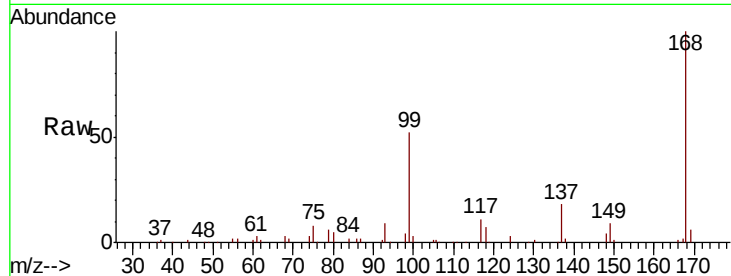
Tot Ion:117 Resp: 13172

Ion Ratio Lower Upper

117 100

119 2.8 72.6 108.8#

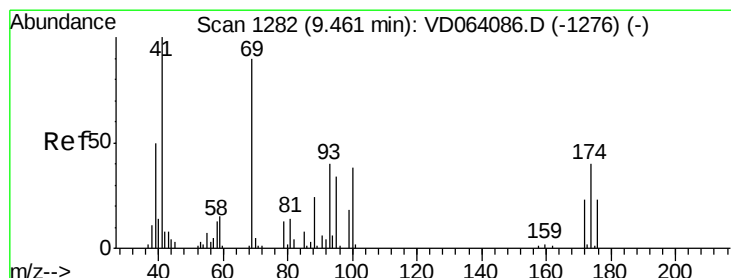
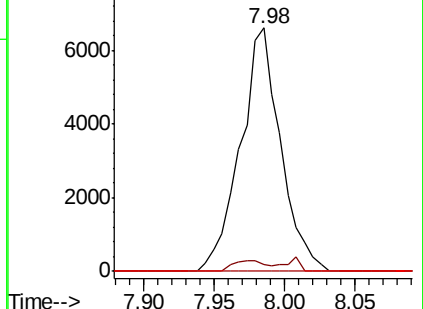
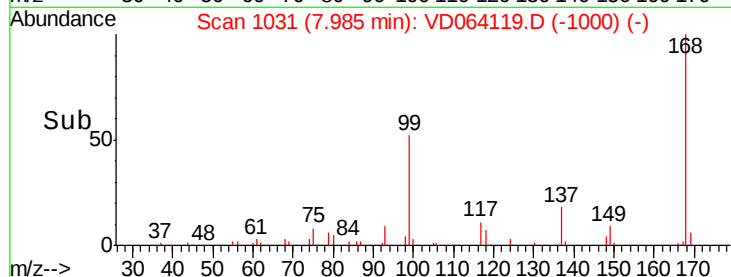
121 0.0 25.8 38.6#



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

Methyl methacrylate

Concen: 1.436 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD064119.D

Acq: 30 Oct 2019 18:25

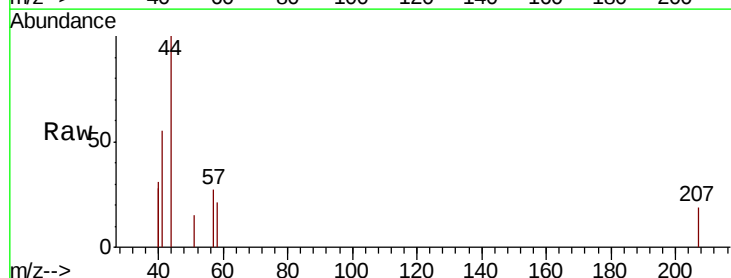
Tgt Ion: 41 Resp: 965

Ion Ratio Lower Upper

41 100

69 0.0 82.6 124.0#

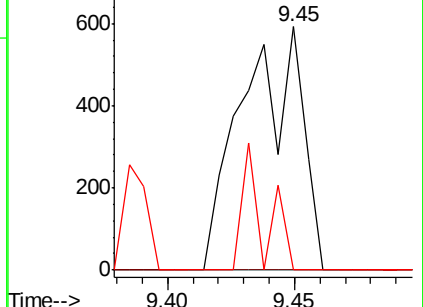
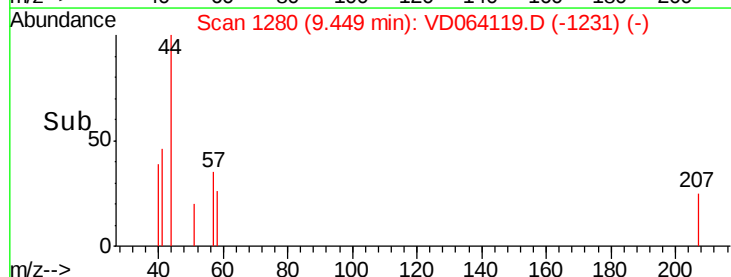
39 18.9 47.0 70.4#

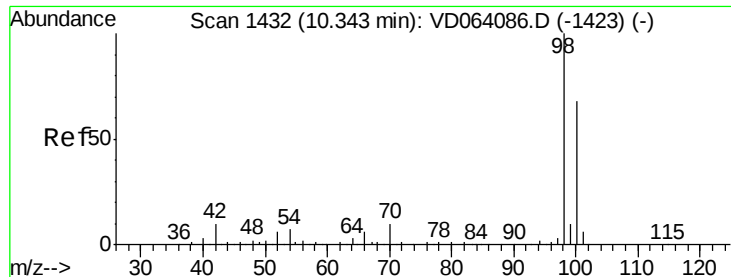


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#50

Toluene-d8

Concen: 49.615 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064119.D

Acq: 30 Oct 2019 18:25

Instrument :

MSVOA_D

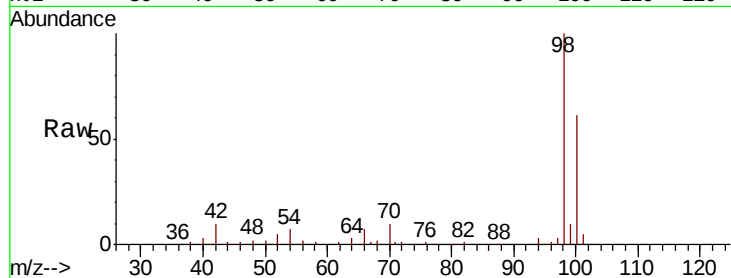
ClientSampleId :

Tot Ion: 98 Resp: 304433

Ion Ratio Lower Upper

98 100

100 64.1 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

200000

150000

100000

50000

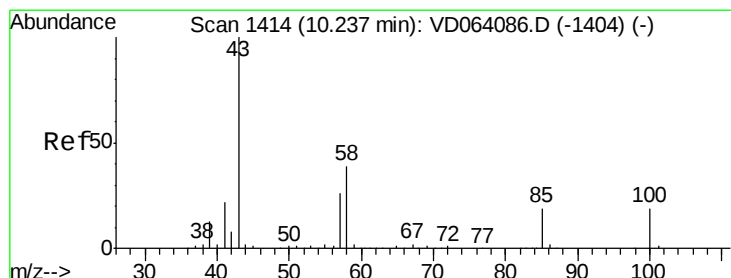
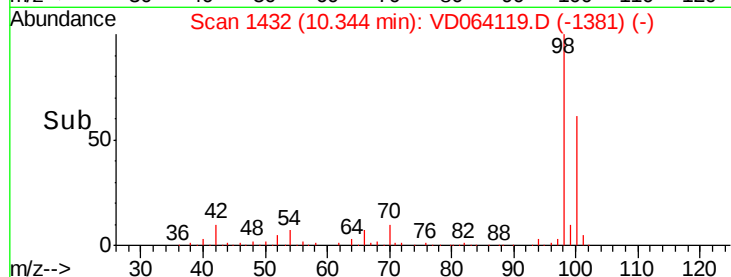
0

10.34

10.30

10.40

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.002 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD064119.D

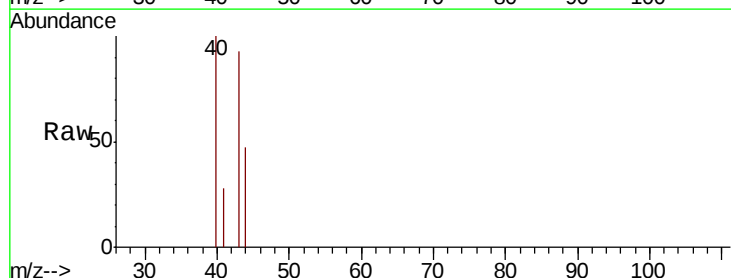
Acq: 30 Oct 2019 18:25

Tgt Ion: 43 Resp: 793

Ion Ratio Lower Upper

43 100

58 0.0 33.0 49.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

600

500

400

300

200

100

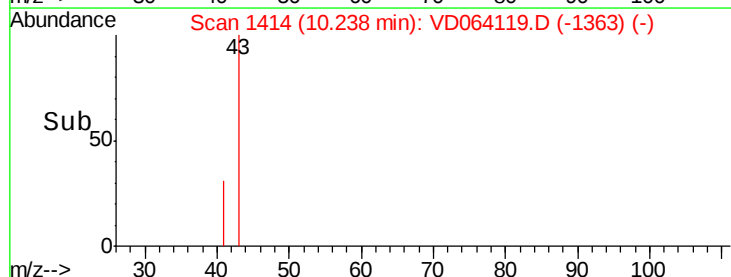
0

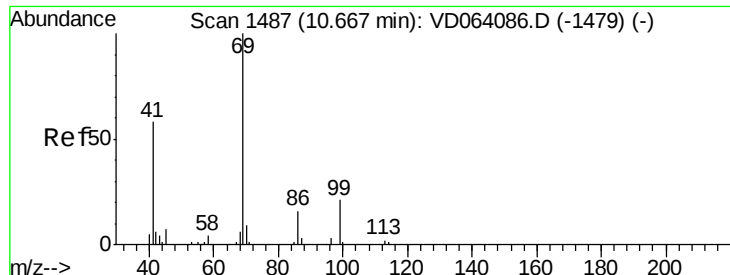
10.24

10.20

10.25

Time-->

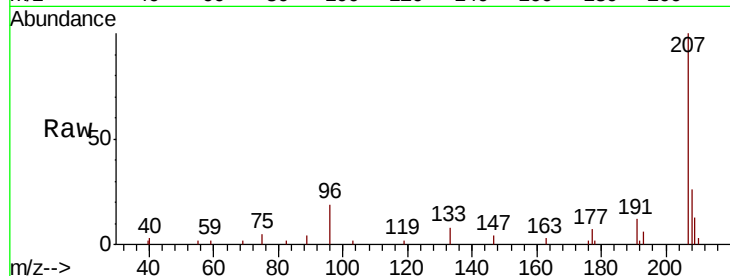




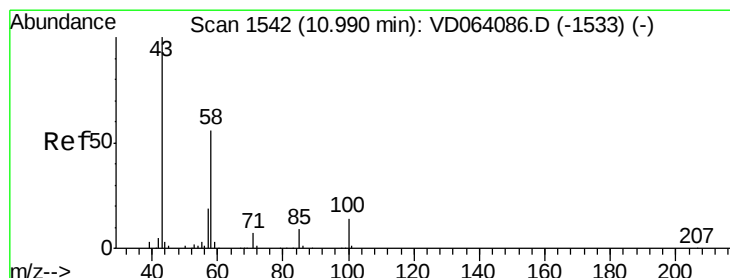
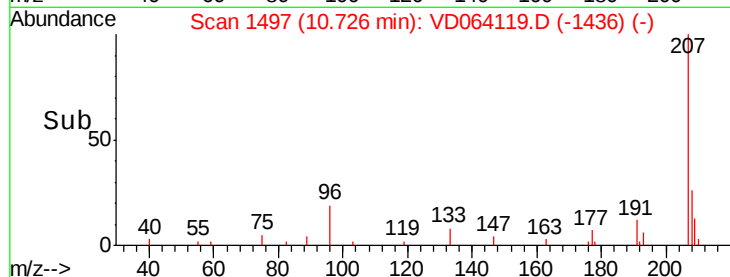
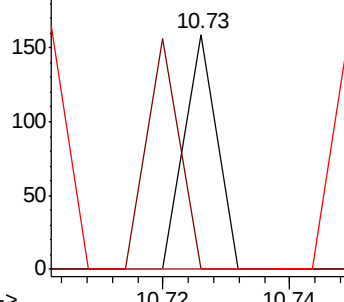
#56
Ethyl methacrylate
Concen: 3.053 ug/l
RT: 10.73 min Scan# 1497
Delta R.T. 0.06 min
Lab File: VD064119.D
Acq: 30 Oct 2019 18:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 69 Resp: 56
Ion Ratio Lower Upper
69 100
41 98.2 46.9 70.3#
39 0.0 27.3 40.9#

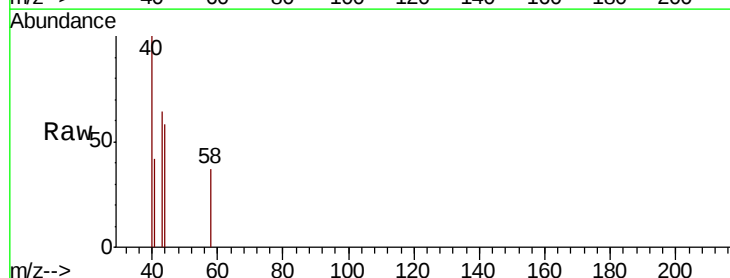


Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

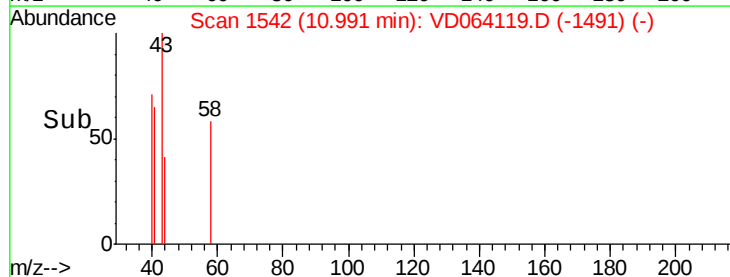
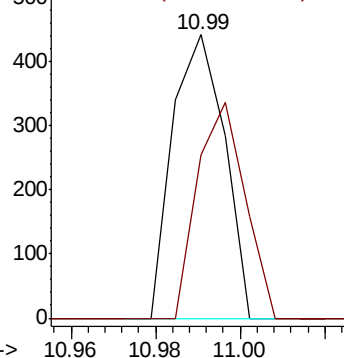


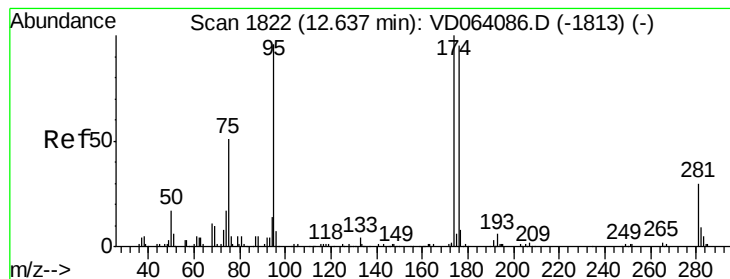
#59
2-Hexanone
Concen: 9.597 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064119.D
Acq: 30 Oct 2019 18:25

Tgt Ion: 43 Resp: 375
Ion Ratio Lower Upper
43 100
58 70.4 29.2 87.6



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





#62

4-Bromofluorobenzene

Concen: 50.067 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064119.D

Acq: 30 Oct 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

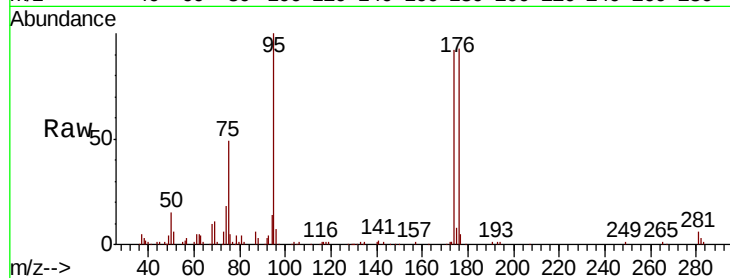
Tot Ion: 95 Resp: 101847

Ion Ratio Lower Upper

95 100

174 98.8 0.0 201.6

176 95.3 0.0 192.6



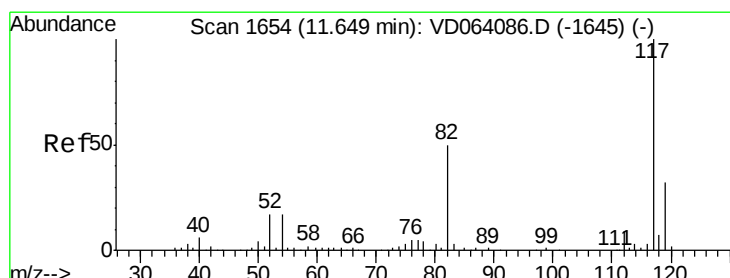
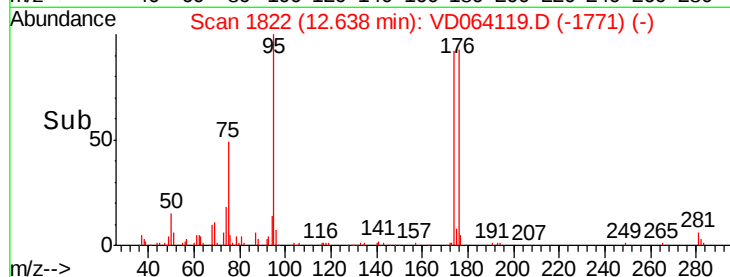
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064119.D

Acq: 30 Oct 2019 18:25

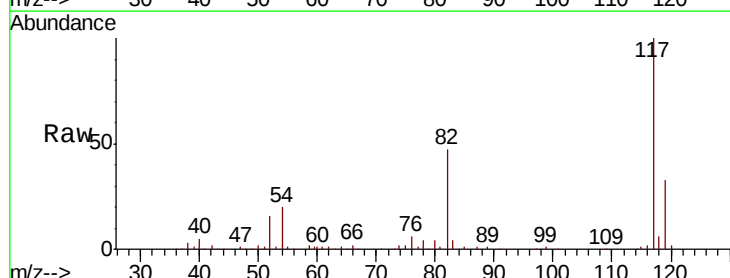
Tgt Ion: 117 Resp: 250088

Ion Ratio Lower Upper

117 100

82 47.3 40.2 60.4

119 32.6 26.0 39.0



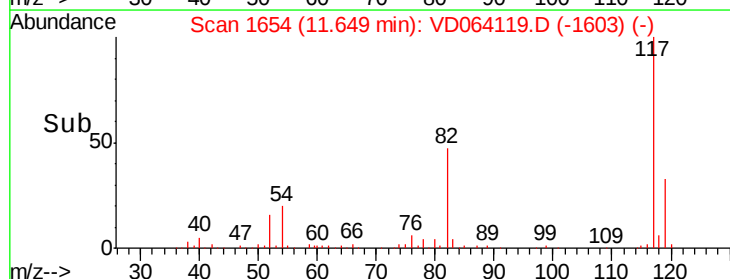
Abundance Ion 116.90 (116.60 to 117.60): V

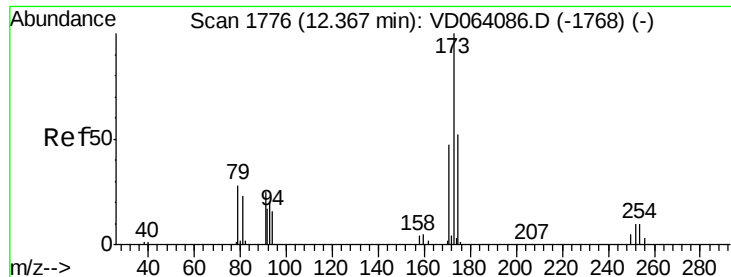
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.65

Time-->





#71

Bromoform

Concen: 1.648 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD064119.D

Acq: 30 Oct 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

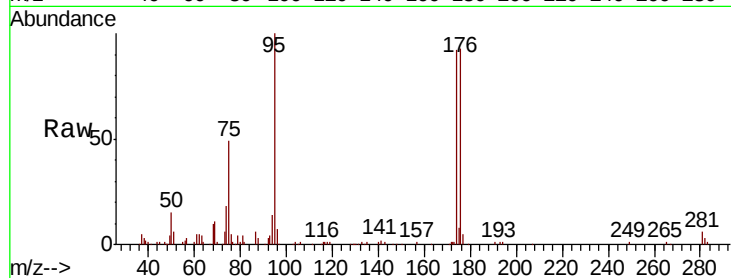
Tot Ion:173 Resp: 1702

Ion Ratio Lower Upper

173 100

175 414.7 24.3 72.9#

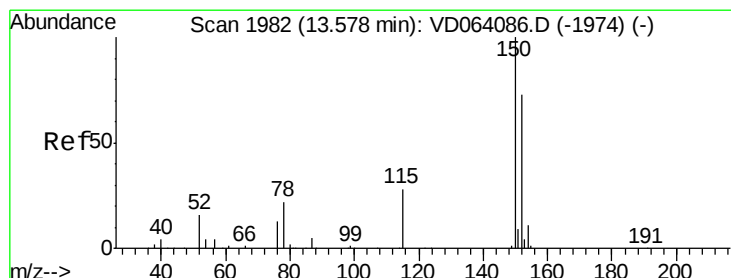
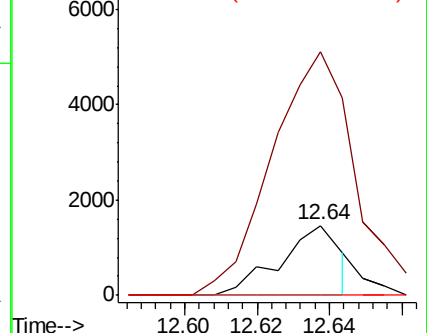
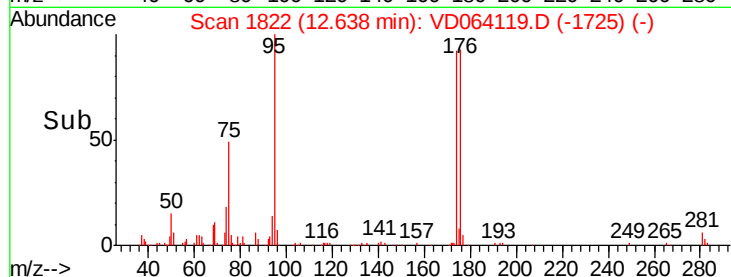
254 0.0 0.0 0.0



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: VD064119.D

Acq: 30 Oct 2019 18:25

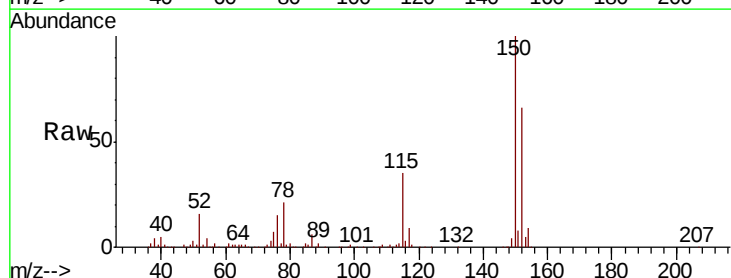
Tgt Ion:152 Resp: 118225

Ion Ratio Lower Upper

152 100

115 52.2 26.2 78.6

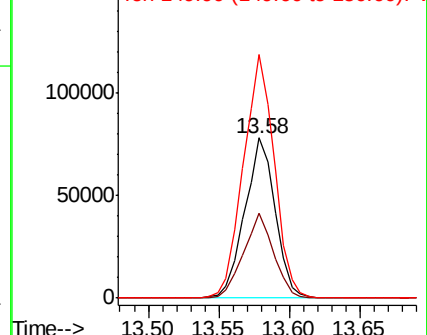
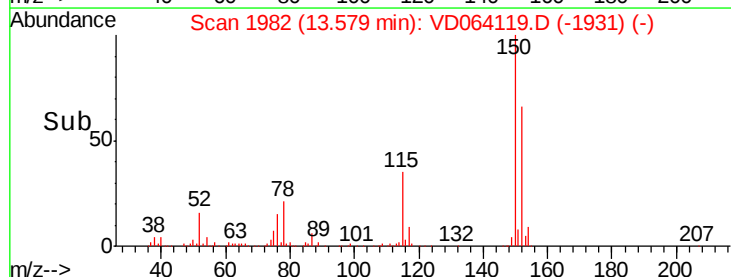
150 154.1 0.0 338.8

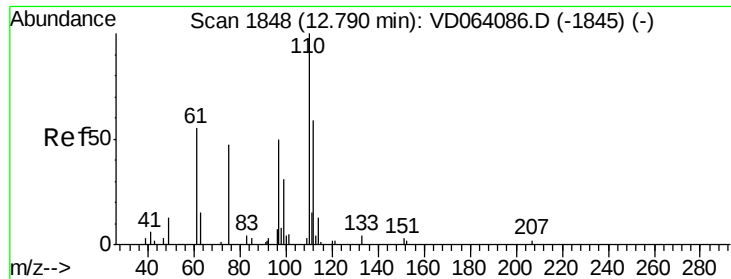


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

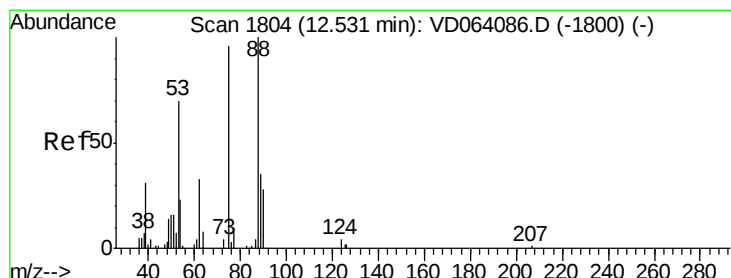
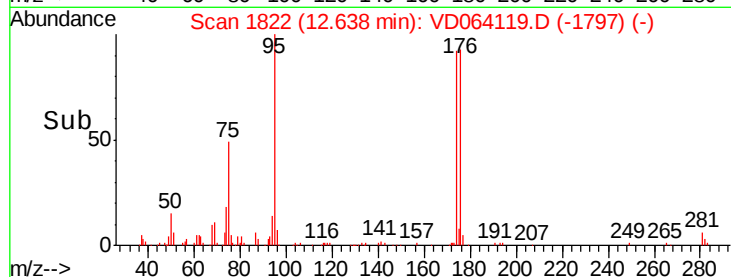
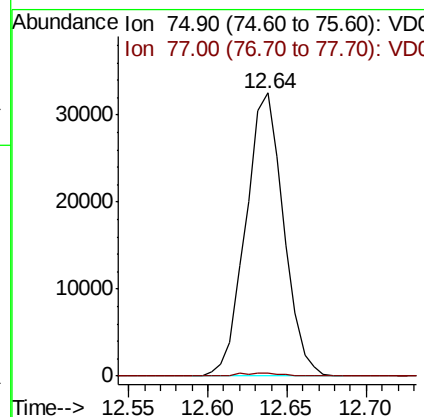
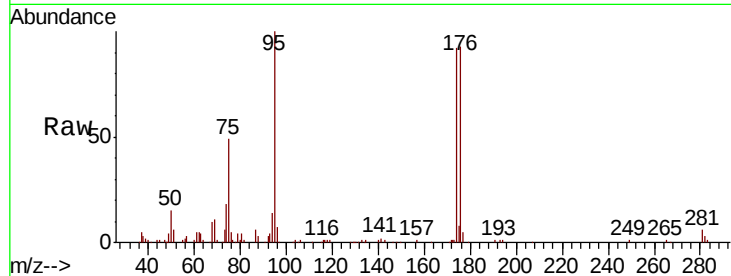




#76
 1,2,3-Trichloropropane
 Concen: 67.777 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064119.D
 Acq: 30 Oct 2019 18:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 53842
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.417 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD064119.D
 Acq: 30 Oct 2019 18:25

Tgt Ion: 75 Resp: 53842
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 103.0#
 89 0.0 36.9 55.3#

