

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103019\
 Data File : VD064120.D
 Acq On : 30 Oct 2019 18:54
 Operator : VA/SY
 Sample : K5602-05
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 31 04:05:10 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	159841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	274947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	281963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	134274	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	82656	65.02	ug/l	0.00
Spiked Amount			Recovery	=	130.04%	
35) Dibromofluoromethane	7.92	113	42991	25.42	ug/l	0.00
Spiked Amount			Recovery	=	50.84%	
50) Toluene-d8	10.34	98	337059	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.64	95	113415	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	

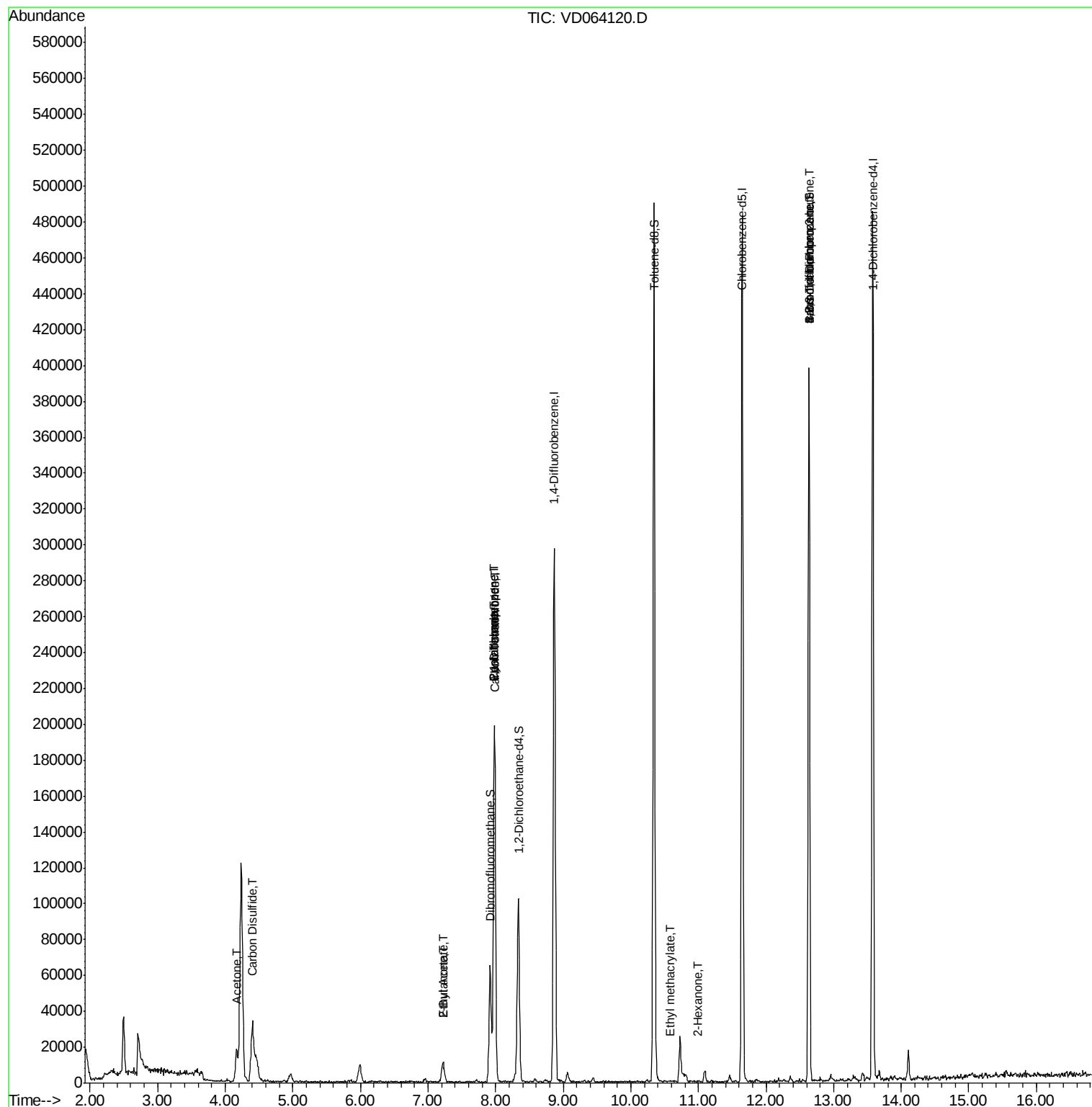
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	30084	124.378	ug/l	99
17) Carbon Disulfide	4.40	76	72661	17.053	ug/l	99
20) Methylene Chloride	4.97	84	3444	Below Cal	#	80
25) 2-Butanone	7.23	43	7114	21.275	ug/l	100
31) Cyclohexane	7.98	56	3218	1.361	ug/l #	35
36) 1,1-Dichloropropene	7.99	75	11335	4.400	ug/l #	48
37) Ethyl Acetate	7.23	43	7114	8.971	ug/l #	69
38) Carbon Tetrachloride	7.99	117	14634	5.206	ug/l #	22
56) Ethyl methacrylate	10.58	69	62	3.053	ug/l #	44
59) 2-Hexanone	10.99	43	204	9.302	ug/l	67
71) Bromoform	12.64	173	1324	1.137	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	59077	65.478	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	59077	133.722	ug/l #	15

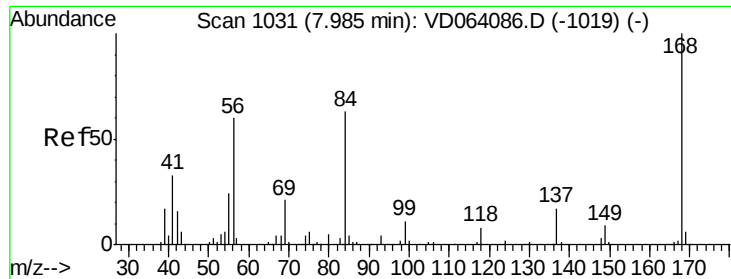
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD103019\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
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# 1030

Delta R.T. -0.01 min

Lab File: VD064120.D

Acq: 30 Oct 2019 18:54

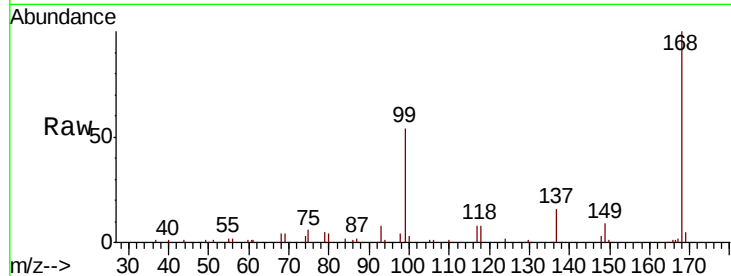
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 159841

Ion Ratio Lower Upper

168 100

99 53.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

40000

20000

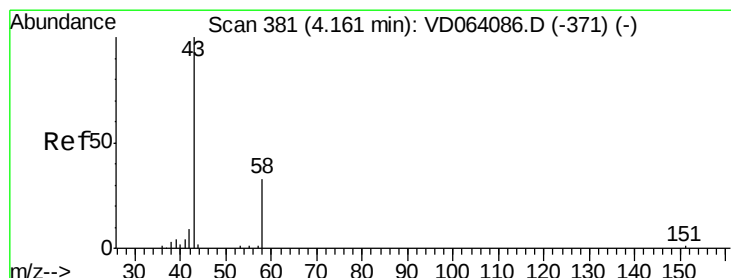
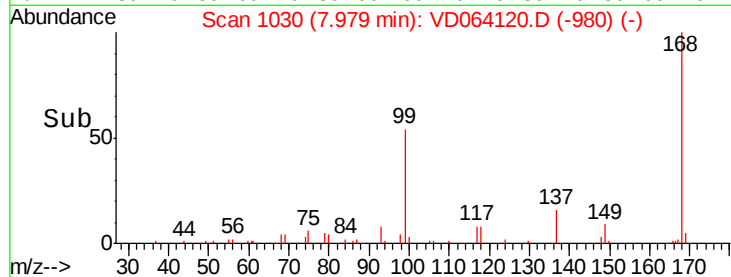
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Time-->

7.90

8.00

8.10



#16

Acetone

Concen: 124.378 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD064120.D

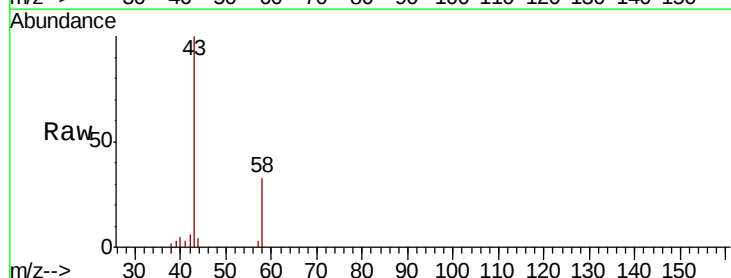
Acq: 30 Oct 2019 18:54

Tgt Ion: 43 Resp: 30084

Ion Ratio Lower Upper

43 100

58 33.2 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

10000

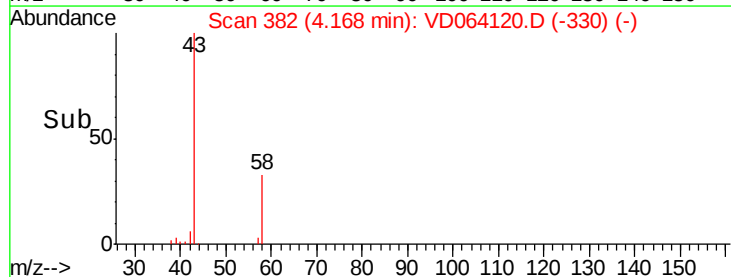
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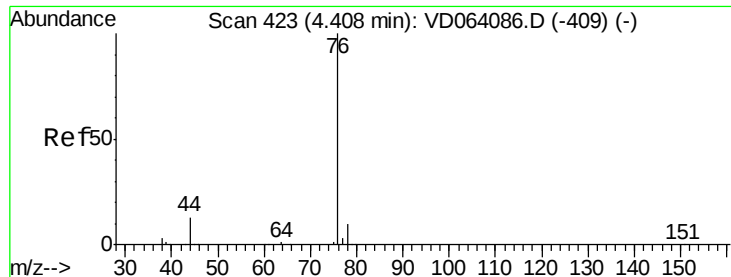
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Time-->

4.10

4.20

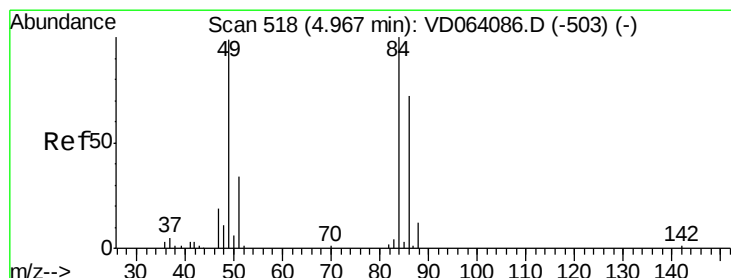
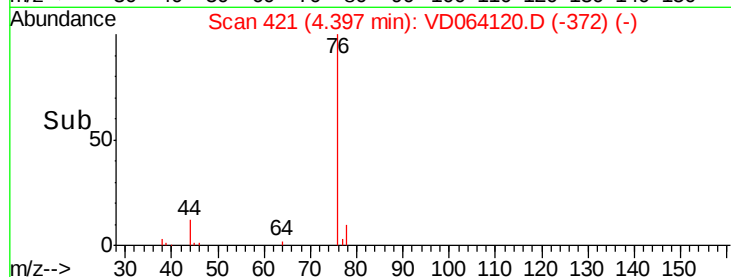
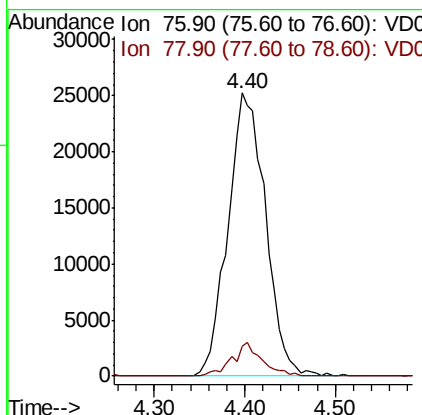
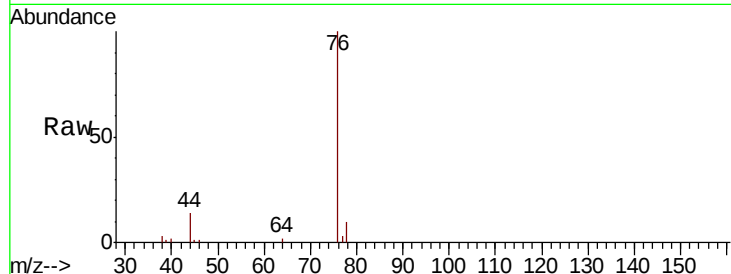




#17
Carbon Disulfide
Concen: 17.053 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064120.D
Acq: 30 Oct 2019 18:54

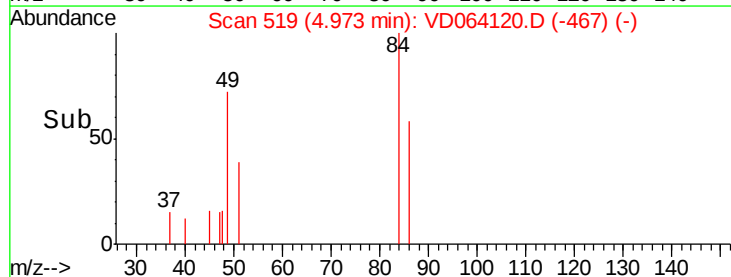
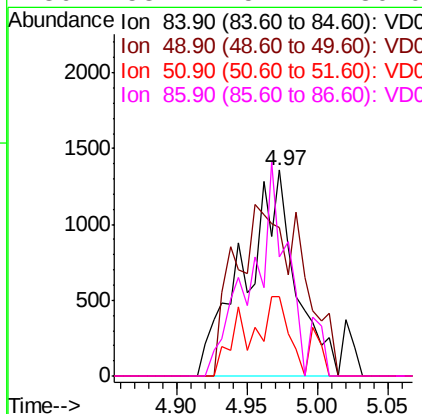
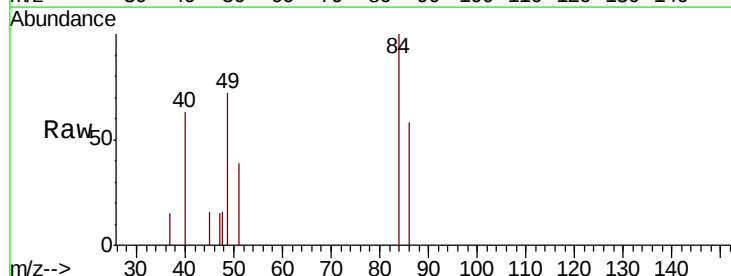
Instrument :
MSVOA_D
ClientSampled :

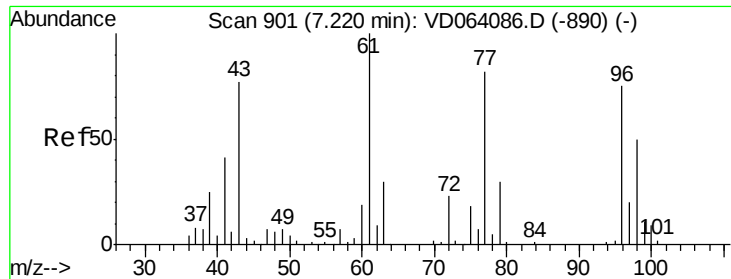
Tot Ion: 76 Resp: 72661
Ion Ratio Lower Upper
76 100
78 10.5 8.1 12.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD064120.D
Acq: 30 Oct 2019 18:54

Tgt Ion: 84 Resp: 3444
Ion Ratio Lower Upper
84 100
49 72.1 79.4 119.0#
51 38.6 27.4 41.2
86 58.1 57.4 86.0

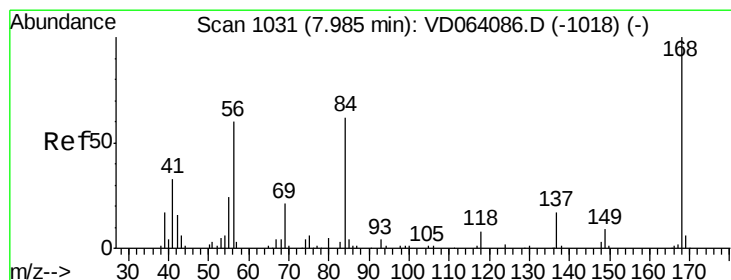
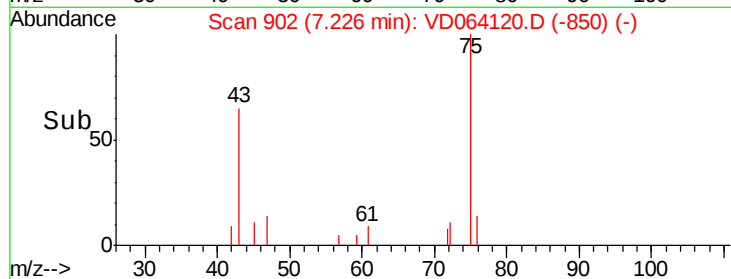
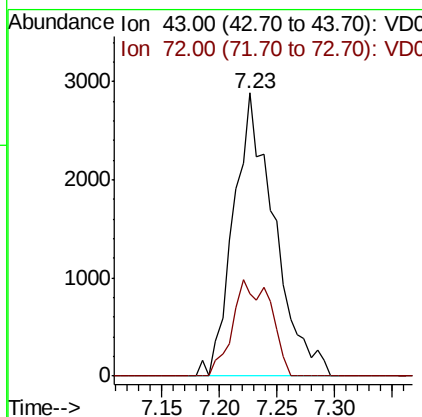
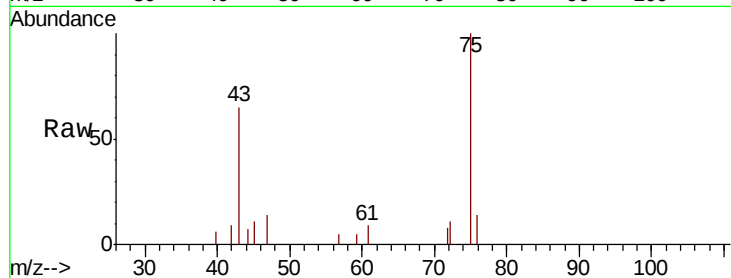




#25
2-Butanone
Concen: 21.275 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064120.D
Acq: 30 Oct 2019 18:54

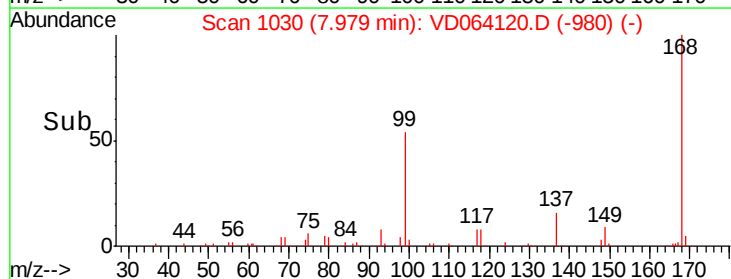
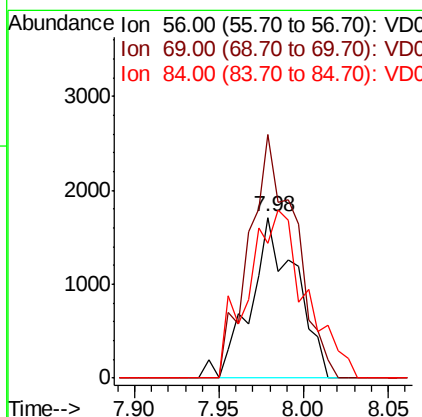
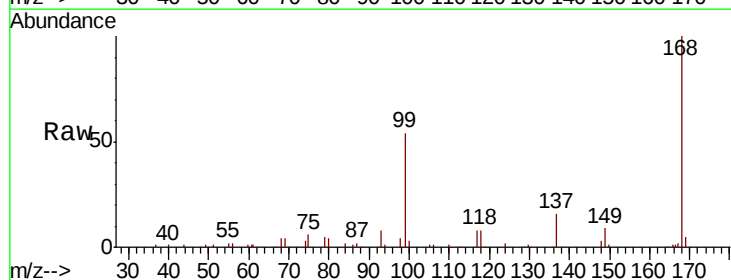
Instrument :
MSVOA_D
ClientSampleId :

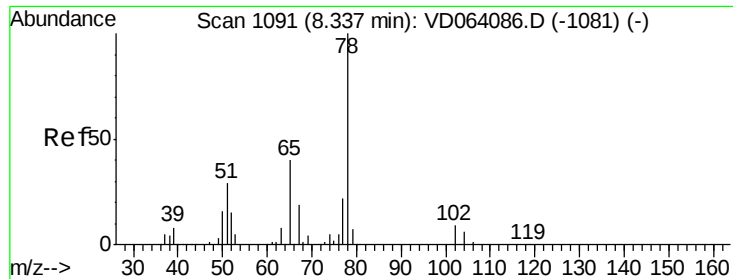
Tot Ion: 43 Resp: 7114
Ion Ratio Lower Upper
43 100
72 29.2 23.4 35.0



#31
Cyclohexane
Concen: 1.361 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064120.D
Acq: 30 Oct 2019 18:54

Tgt Ion: 56 Resp: 3218
Ion Ratio Lower Upper
56 100
69 151.5 27.7 41.5#
84 83.9 83.1 124.7





#33

1,2-Dichloroethane-d4

Concen: 65.021 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064120.D

Acq: 30 Oct 2019 18:54

Instrument :

MSVOA_D

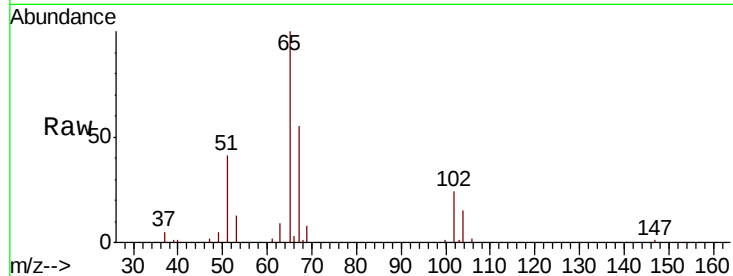
ClientSampleId :

Tot Ion: 65 Resp: 82656

Ion Ratio Lower Upper

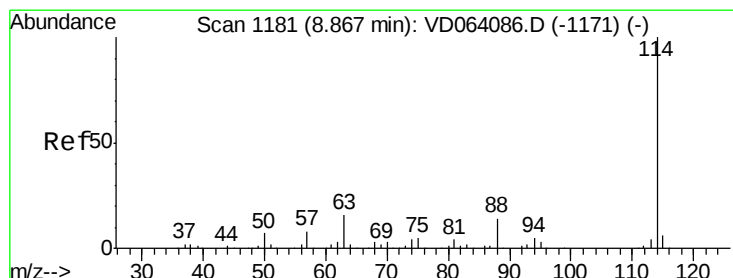
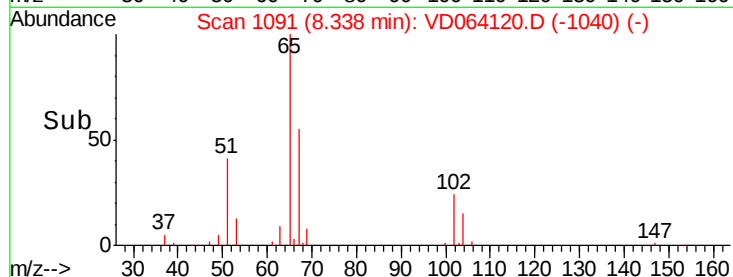
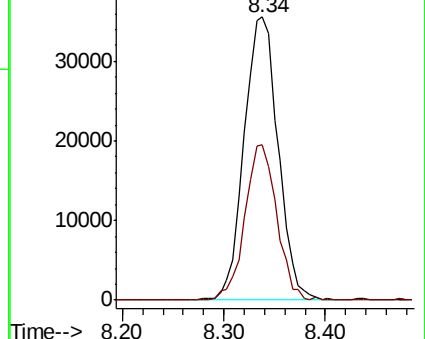
65 100

67 51.4 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064120.D

Acq: 30 Oct 2019 18:54

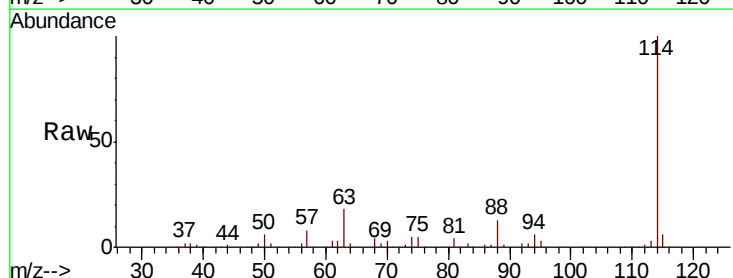
Tgt Ion:114 Resp: 274947

Ion Ratio Lower Upper

114 100

63 18.0 0.0 32.8

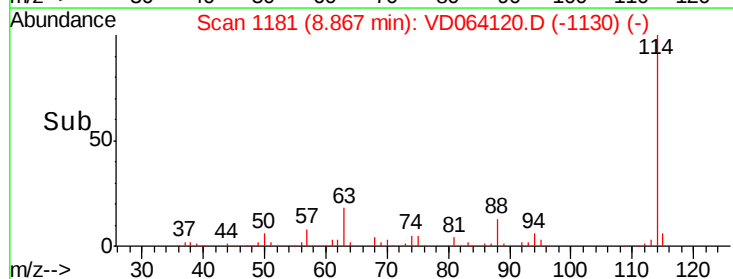
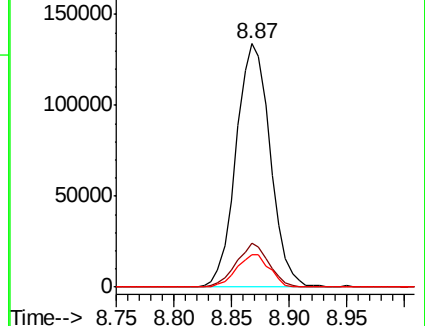
88 13.5 0.0 27.6

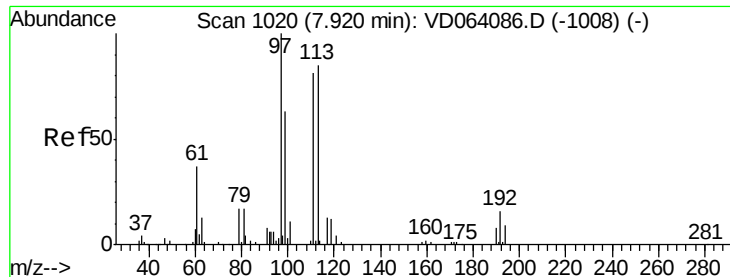


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

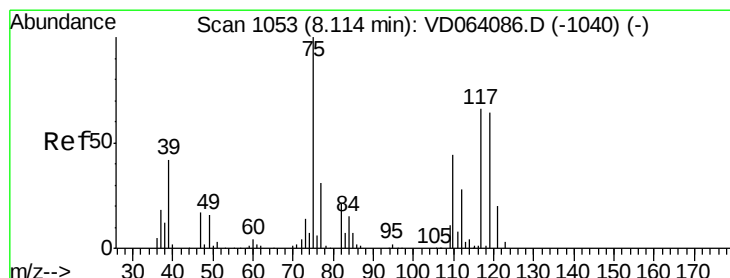
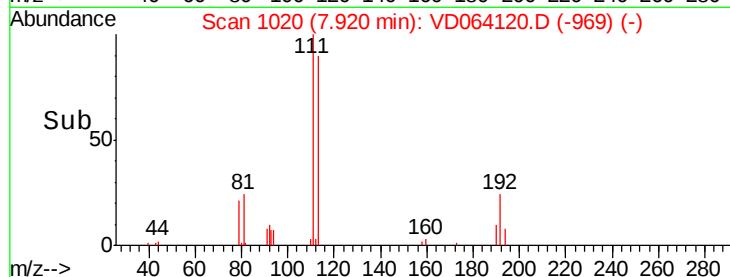
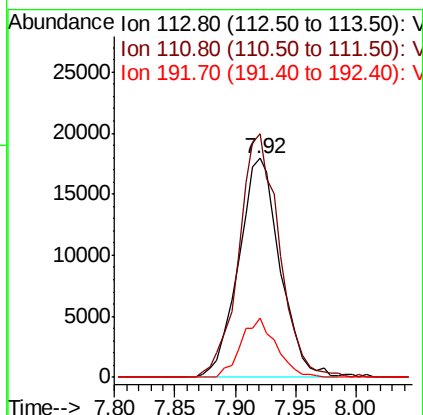
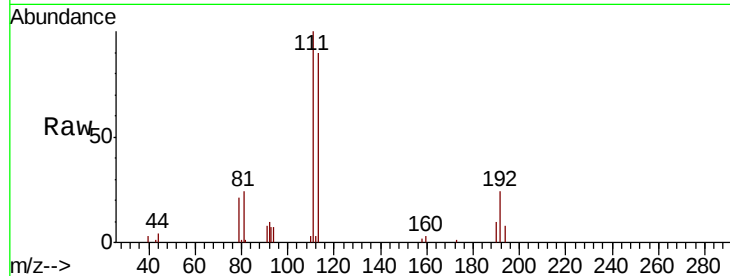




#35
 Dibromofluoromethane
 Concen: 25.415 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064120.D
 Acq: 30 Oct 2019 18:54

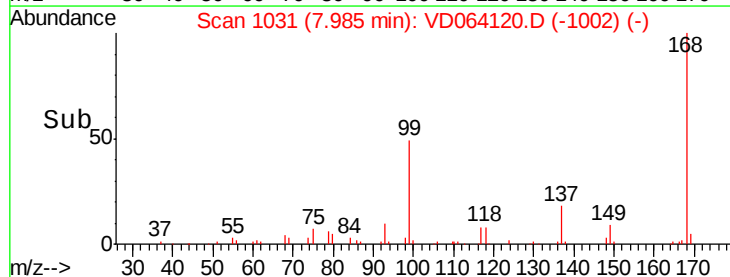
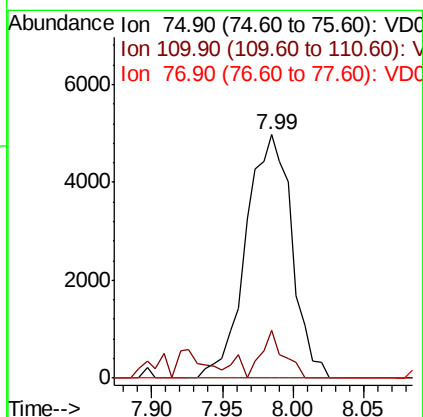
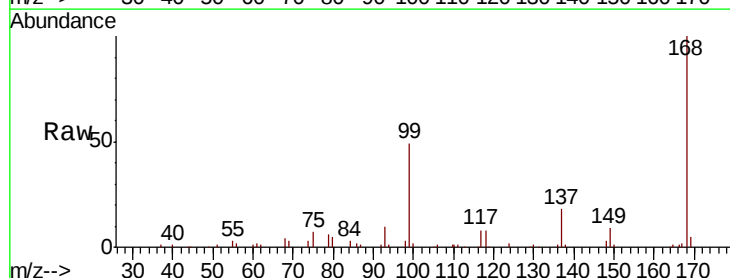
Instrument :
 MSVOA_D
 ClientSampled :

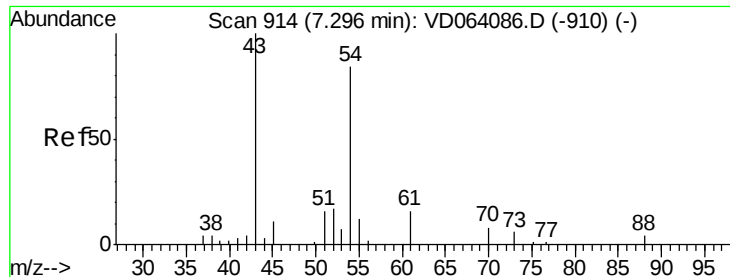
Tot Ion:113 Resp: 42991
 Ion Ratio Lower Upper
 113 100
 111 108.7 79.3 118.9
 192 22.9 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.400 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064120.D
 Acq: 30 Oct 2019 18:54

Tgt Ion: 75 Resp: 11335
 Ion Ratio Lower Upper
 75 100
 110 9.7 20.0 59.9#
 77 0.0 24.7 37.1#

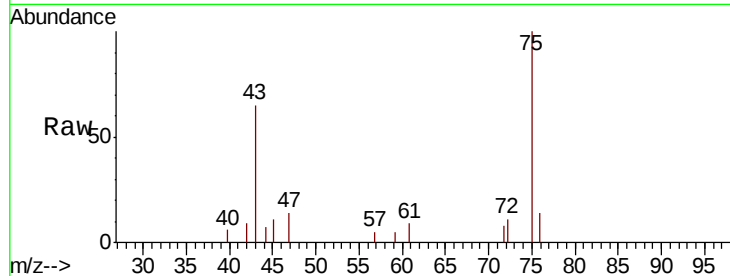




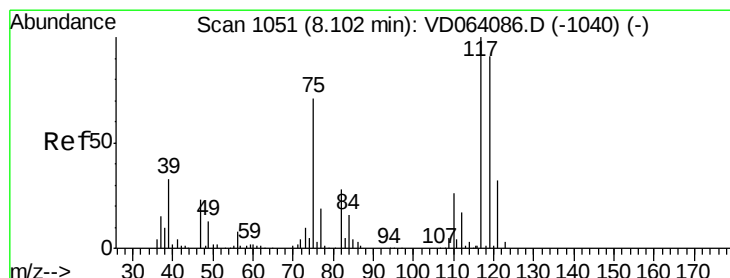
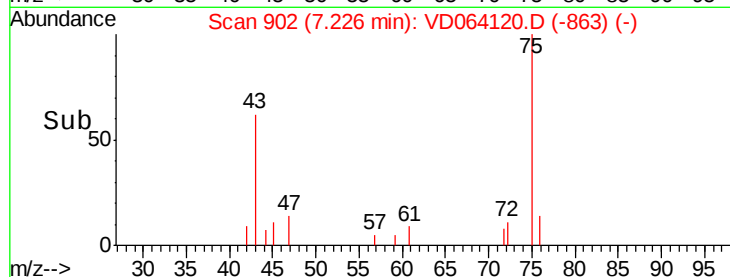
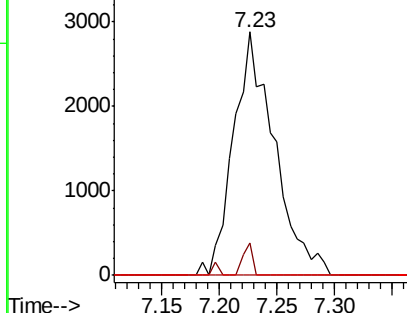
#37
Ethyl Acetate
Concen: 8.971 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.07 min
Lab File: VD064120.D
Acq: 30 Oct 2019 18:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 7114
Ion Ratio Lower Upper
43 100
61 0.0 12.0 18.0#
70 0.0 3.8 5.6#

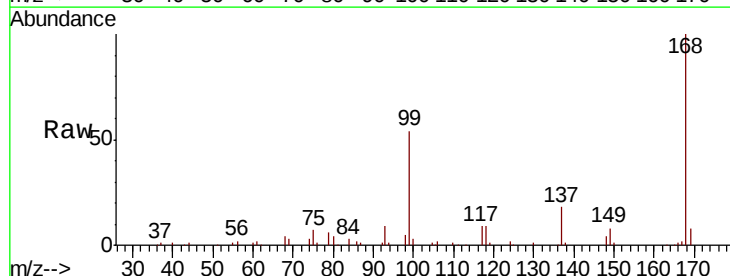


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

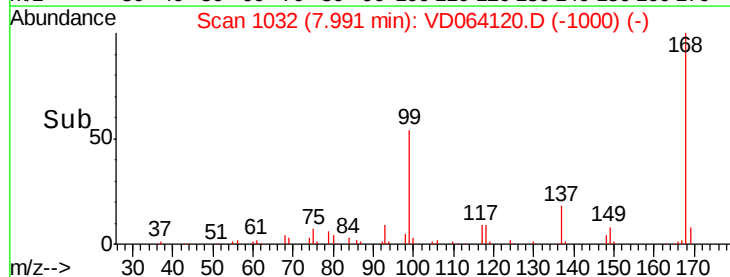
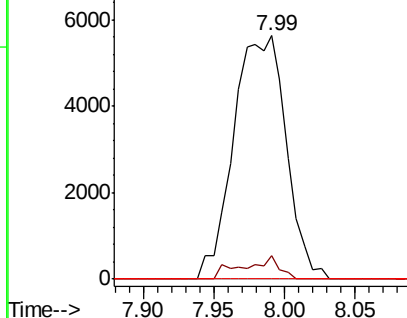


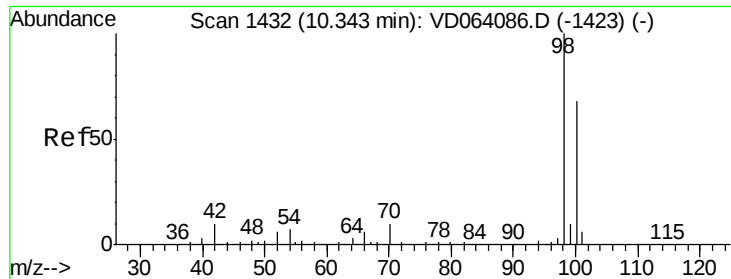
#38
Carbon Tetrachloride
Concen: 5.206 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.11 min
Lab File: VD064120.D
Acq: 30 Oct 2019 18:54

Tgt Ion: 117 Resp: 14634
Ion Ratio Lower Upper
117 100
119 9.5 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

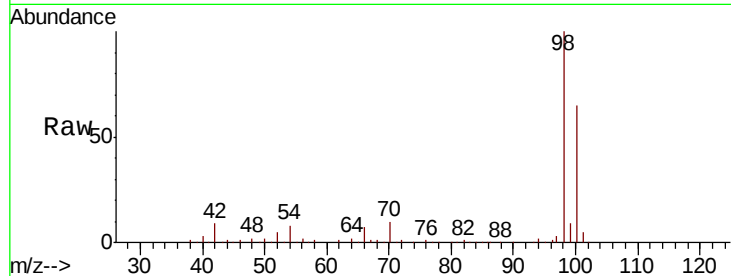




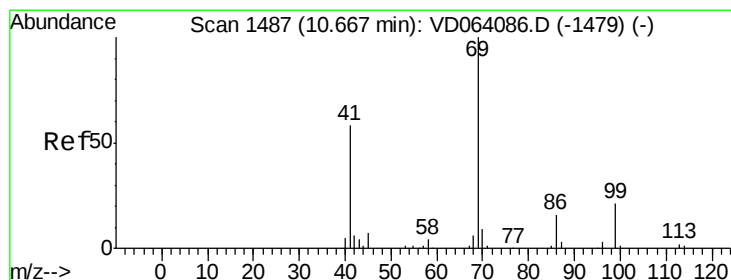
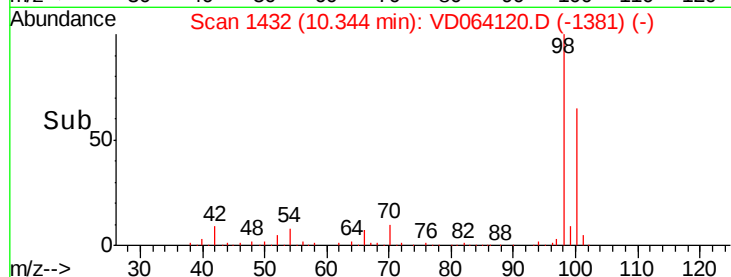
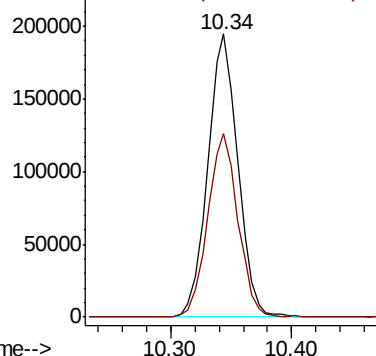
#50
Toluene-d8
Concen: 49.825 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064120.D
Acq: 30 Oct 2019 18:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 337059
Ion Ratio Lower Upper
98 100
100 65.1 53.4 80.0

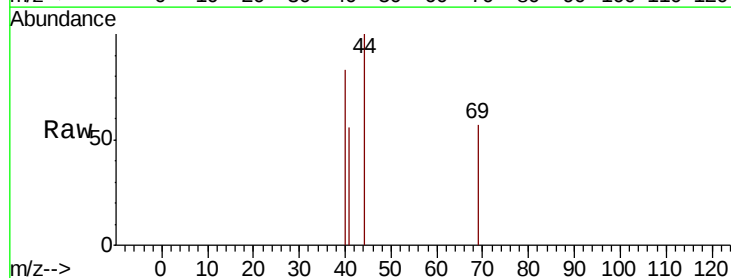


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

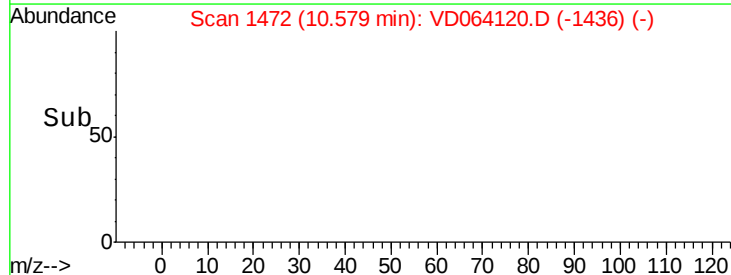
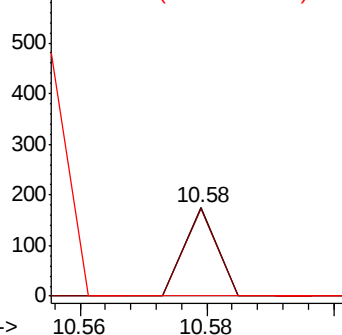


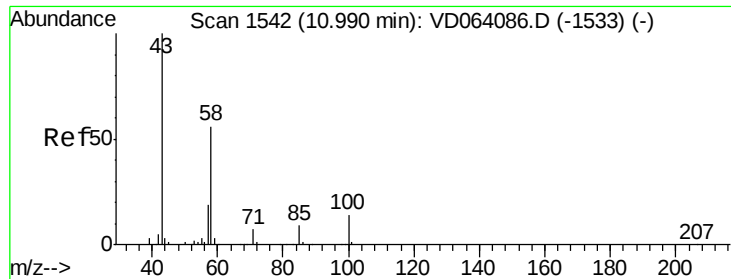
#56
Ethyl methacrylate
Concen: 3.053 ug/l
RT: 10.58 min Scan# 1472
Delta R.T. -0.09 min
Lab File: VD064120.D
Acq: 30 Oct 2019 18:54

Tgt Ion: 69 Resp: 62
Ion Ratio Lower Upper
69 100
41 98.4 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

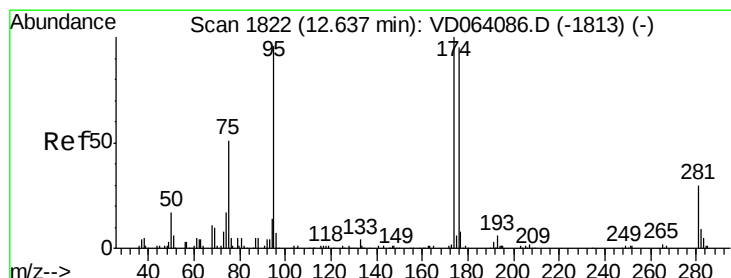
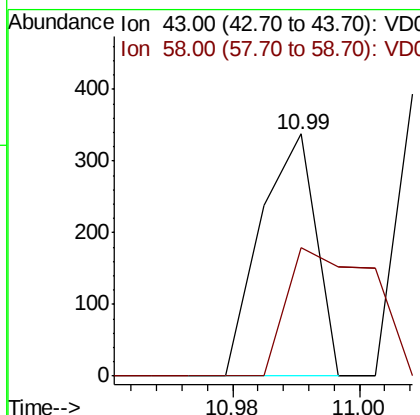
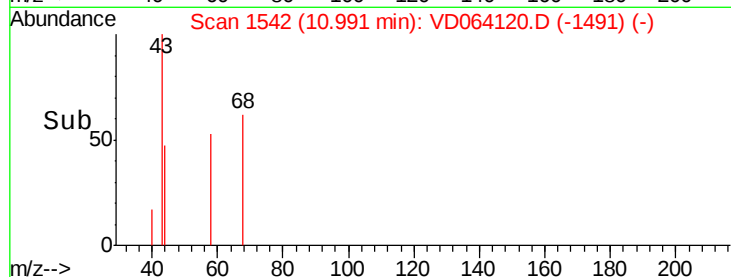
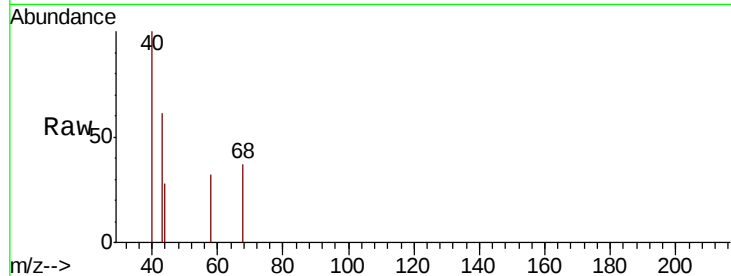




#59
2-Hexanone
Concen: 9.302 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064120.D
Acq: 30 Oct 2019 18:54

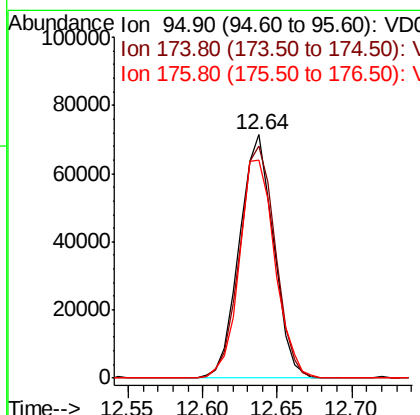
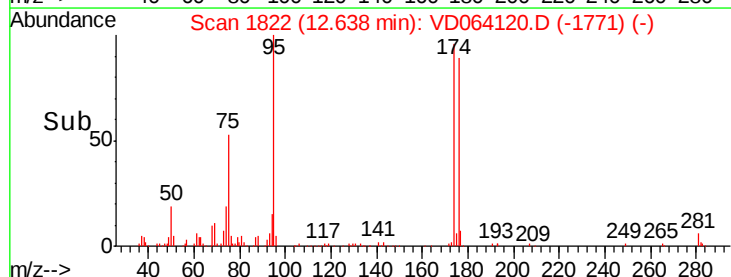
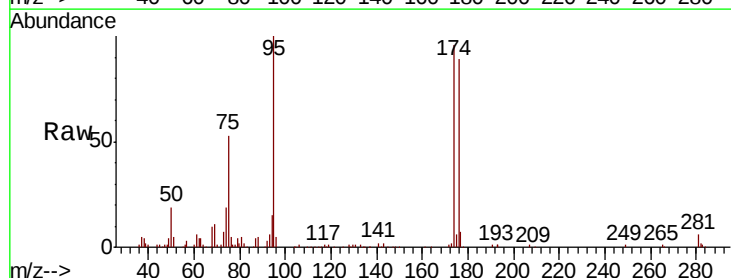
Instrument :
MSVOA_D
ClientSampled :

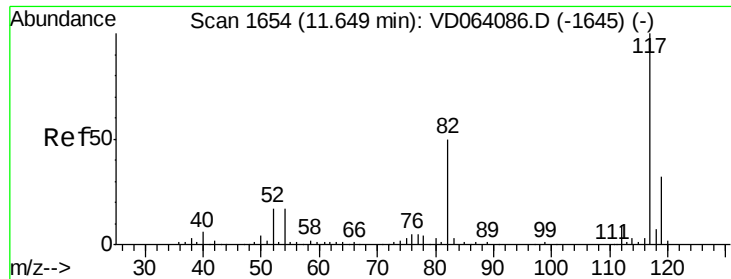
Tot Ion: 43 Resp: 204
Ion Ratio Lower Upper
43 100
58 83.3 29.2 87.6



#62
4-Bromofluorobenzene
Concen: 50.570 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064120.D
Acq: 30 Oct 2019 18:54

Tgt Ion: 95 Resp: 113415
Ion Ratio Lower Upper
95 100
174 99.2 0.0 201.6
176 93.7 0.0 192.6

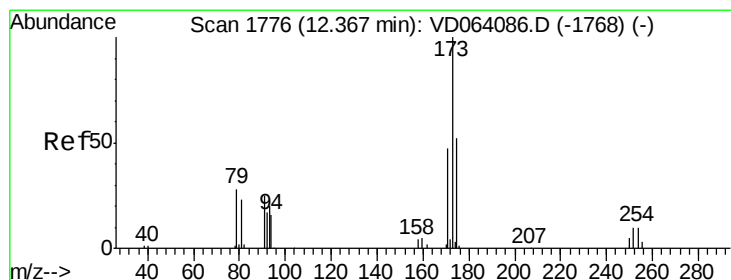
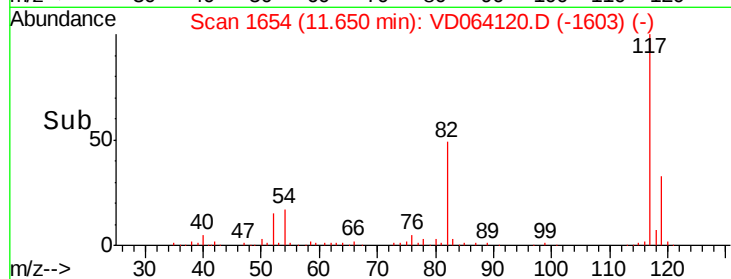
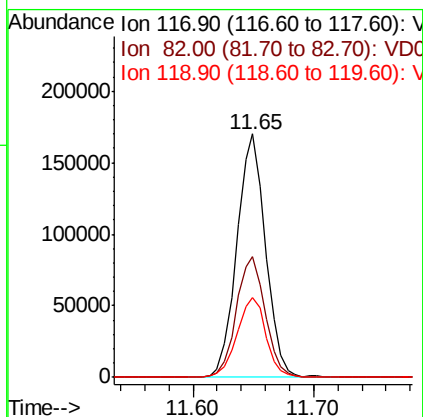
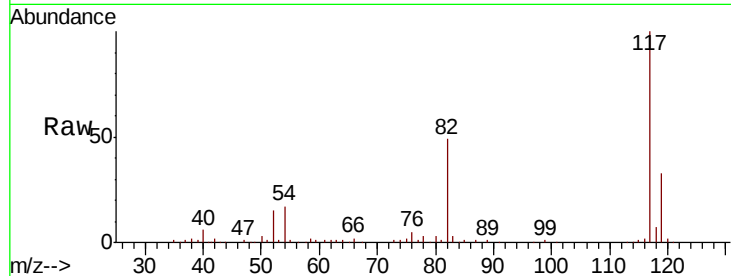




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064120.D
Acq: 30 Oct 2019 18:54

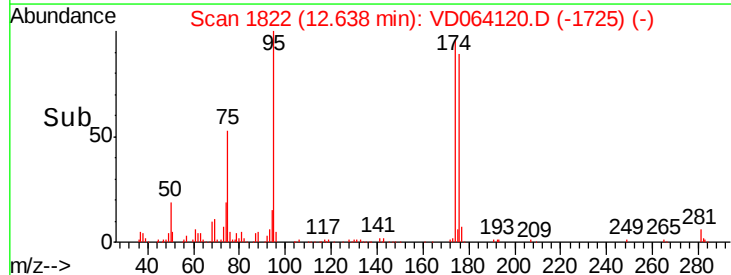
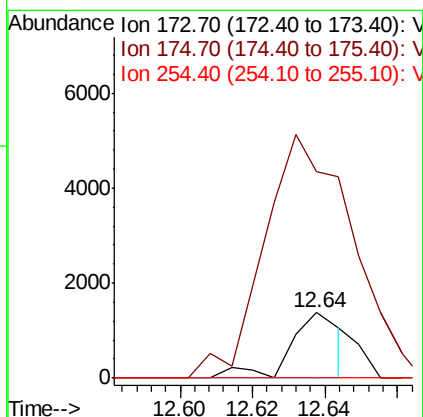
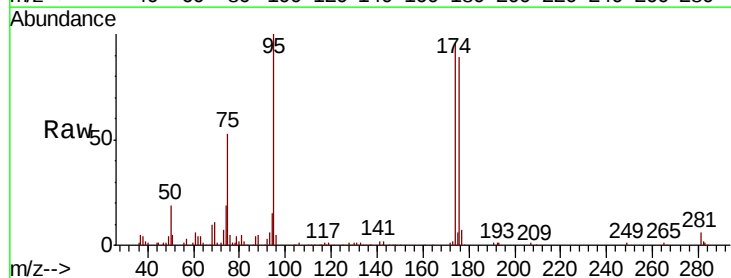
Instrument :
MSVOA_D
ClientSampled :

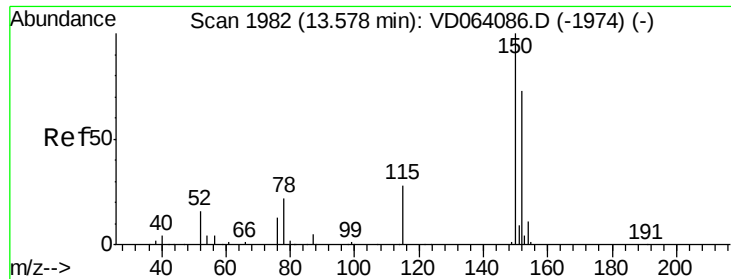
Tot Ion:117 Resp: 281963
Ion Ratio Lower Upper
117 100
82 49.4 40.2 60.4
119 33.0 26.0 39.0



#71
Bromoform
Concen: 1.137 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD064120.D
Acq: 30 Oct 2019 18:54

Tgt Ion:173 Resp: 1324
Ion Ratio Lower Upper
173 100
175 537.7 24.3 72.9#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD064120.D

Acq: 30 Oct 2019 18:54

Instrument :

MSVOA_D

ClientSampleId :

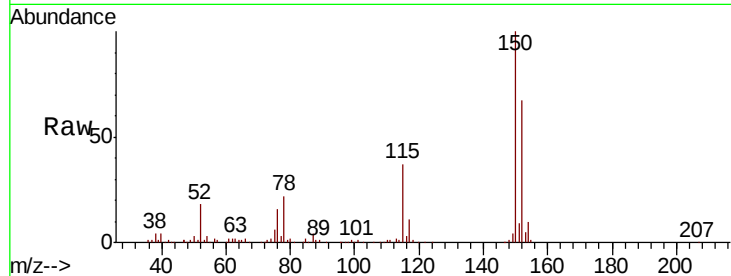
Tot Ion:152 Resp: 134274

Ion Ratio Lower Upper

152 100

115 53.8 26.2 78.6

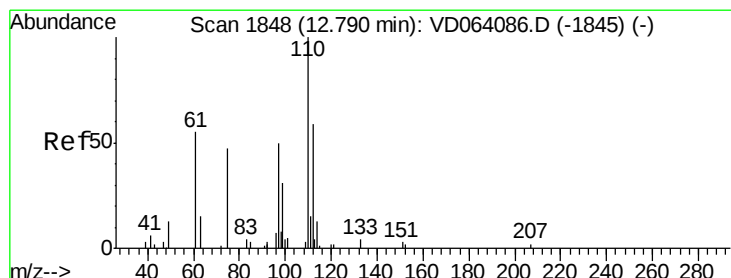
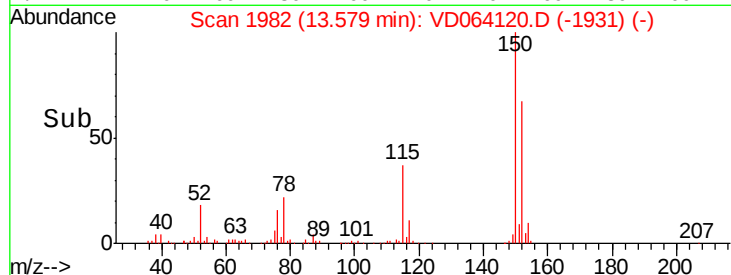
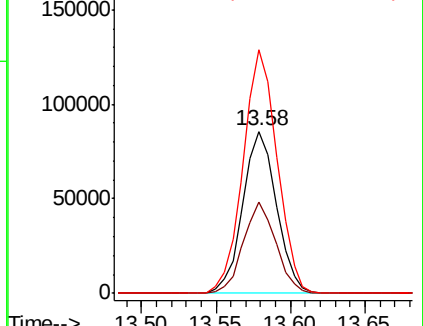
150 151.3 0.0 338.8



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: 65.478 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064120.D

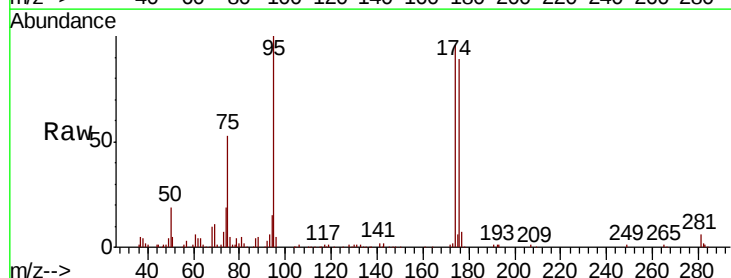
Acq: 30 Oct 2019 18:54

Tgt Ion: 75 Resp: 59077

Ion Ratio Lower Upper

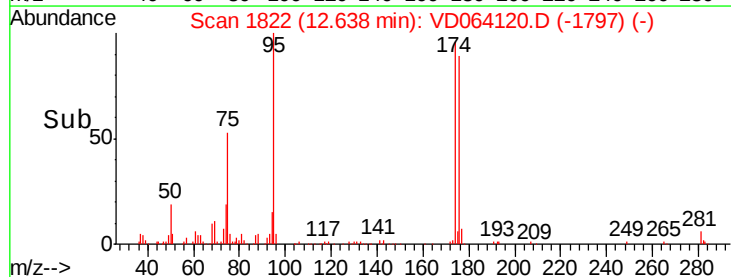
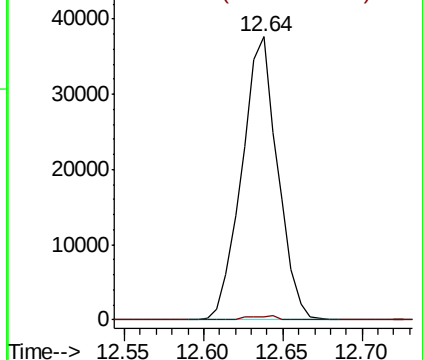
75 100

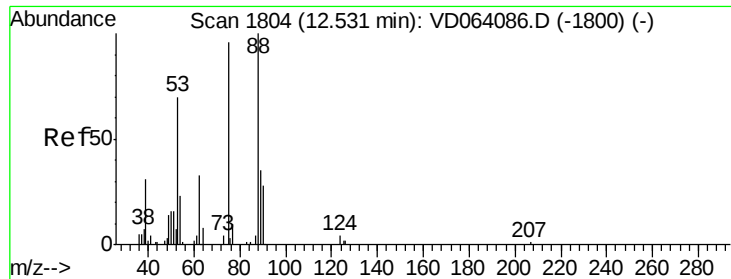
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 133.722 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064120.D

Acq: 30 Oct 2019 18:54

Instrument :

MSVOA_D

ClientSampleId :

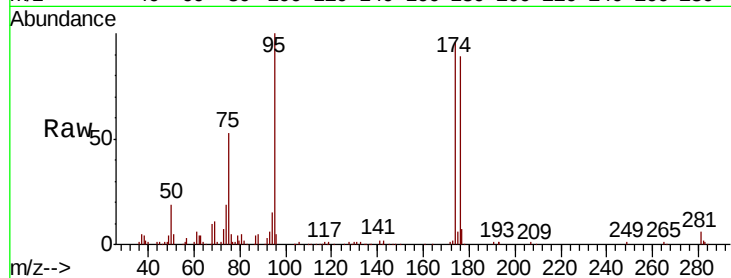
Tot Ion: 75 Resp: 59077

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 36.9 55.3#



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

