

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD013120\
 Data File : VD065031.D
 Acq On : 31 Jan 2020 13:55
 Operator : VA/SY
 Sample : L1325-07
 Misc : 7.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11976

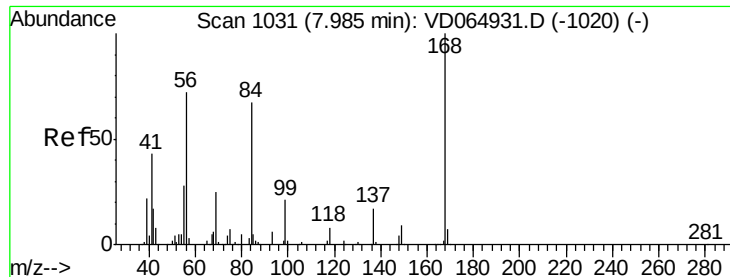
Quant Time: Jan 31 14:30:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	501775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	813332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	804532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	379537	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	247626	51.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.90%	
35) Dibromofluoromethane	7.92	113	253195	49.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.08%	
50) Toluene-d8	10.34	98	1008583	51.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.64	95	339219	56.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	8092	19.51	ug/l	98
20) Methylene Chloride	4.97	84	9750	Below	Cal	97
31) Cyclohexane	7.98	56	12510	1.49	ug/l #	24
36) 1,1-Dichloropropene	7.98	75	38121	4.86	ug/l #	50
38) Carbon Tetrachloride	7.98	117	48657	5.87	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	184403	58.54	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	184403	124.99	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065031.D

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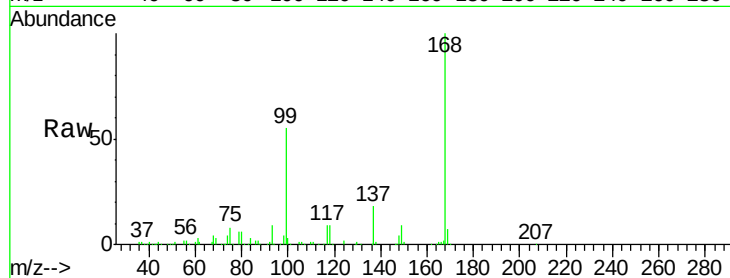
72-11976

Tgt Ion:168 Resp: 501775

Ion Ratio Lower Upper

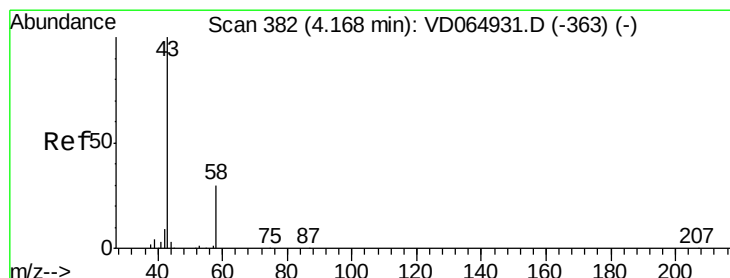
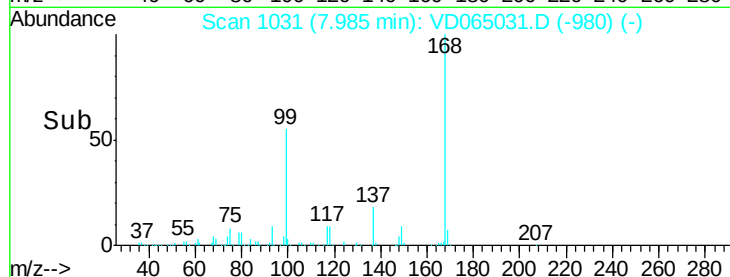
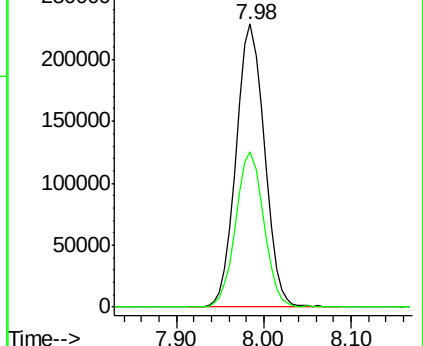
168 100

99 54.9 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 19.51 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065031.D

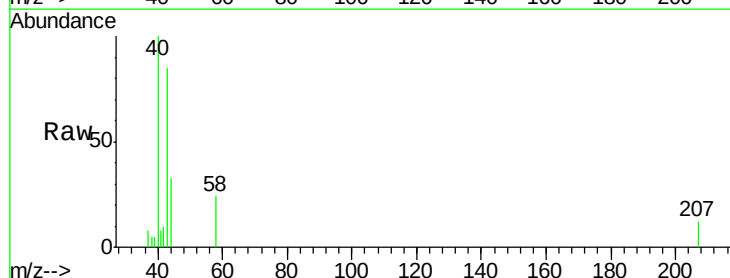
Acq: 31 Jan 2020 13:55

Tgt Ion: 43 Resp: 8092

Ion Ratio Lower Upper

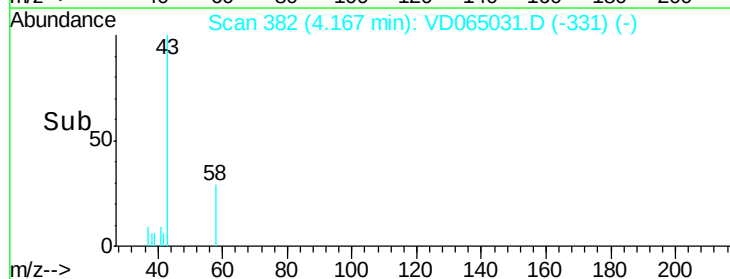
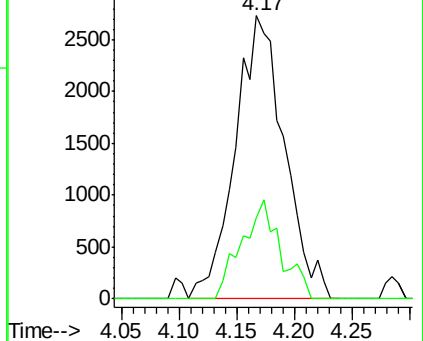
43 100

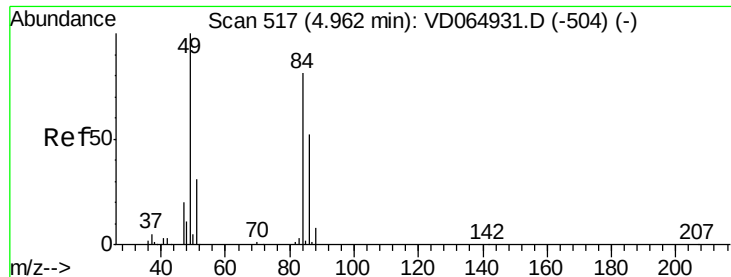
58 28.6 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

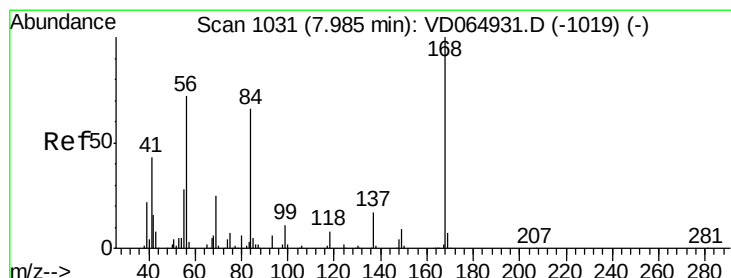
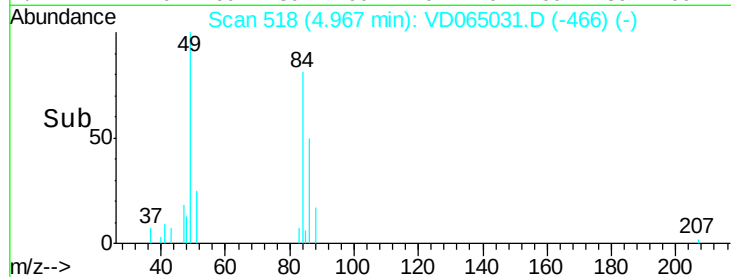
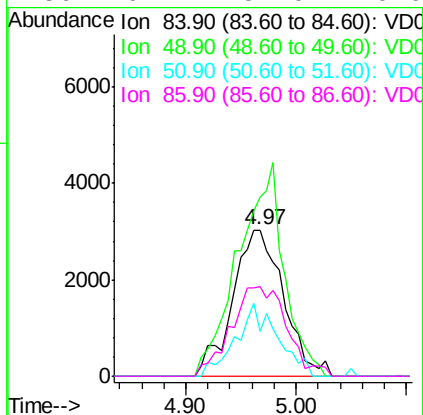
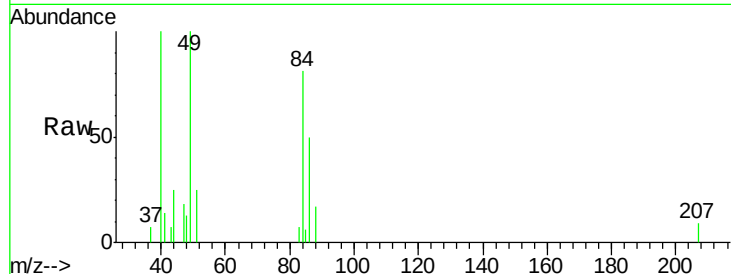




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065031.D
Acq: 31 Jan 2020 13:55

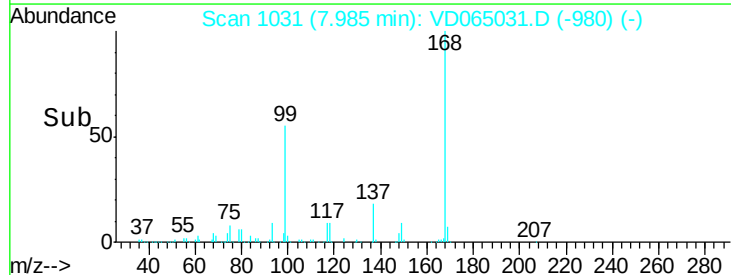
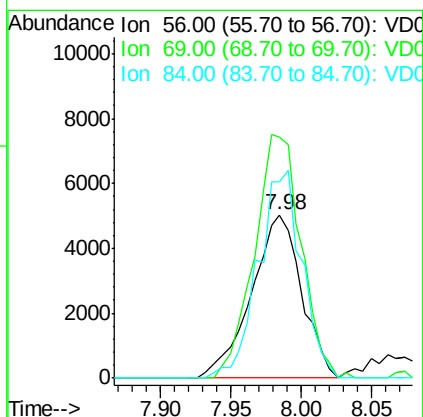
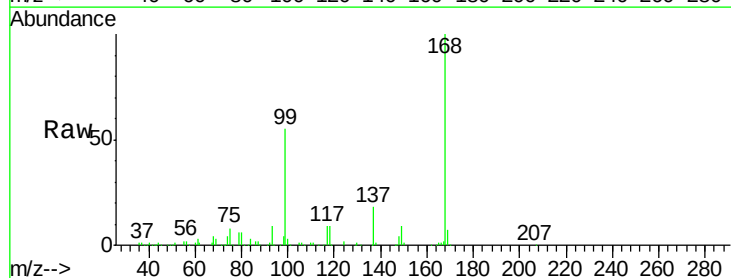
Instrument :
MSVOA_D
ClientSampleId :
72-11976

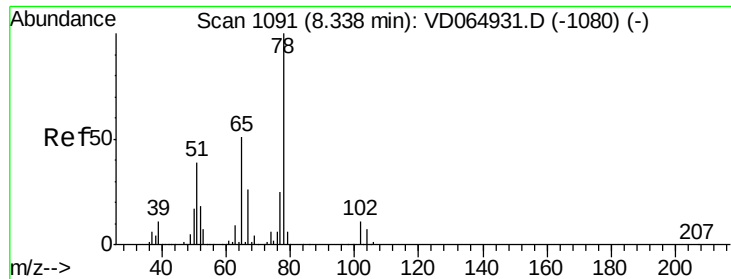
Tgt Ion:	84	Resp:	9750
Ion	Ratio	Lower	Upper
84	100		
49	122.7	98.4	147.6
51	30.9	30.8	46.2
86	61.7	51.0	76.6



#31
Cyclohexane
Concen: 1.49 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065031.D
Acq: 31 Jan 2020 13:55

Tgt Ion:	56	Resp:	12510
Ion	Ratio	Lower	Upper
56	100		
69	147.5	27.9	41.9#
84	120.6	72.8	109.2#

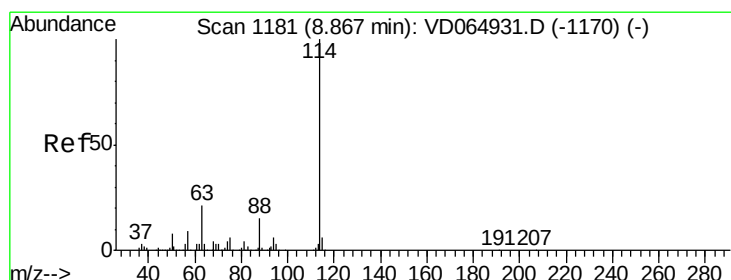
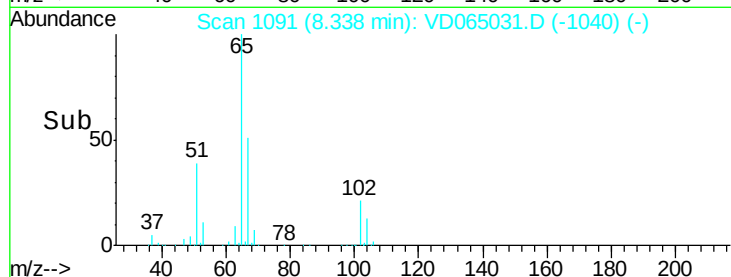
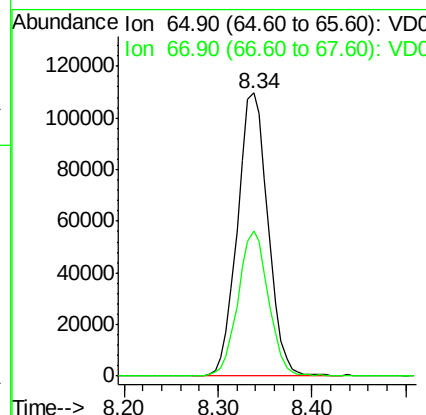
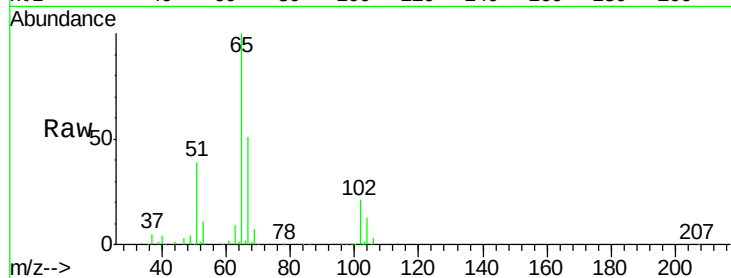




#33
 1,2-Dichloroethane-d4
 Concen: 51.45 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065031.D
 Acq: 31 Jan 2020 13:55

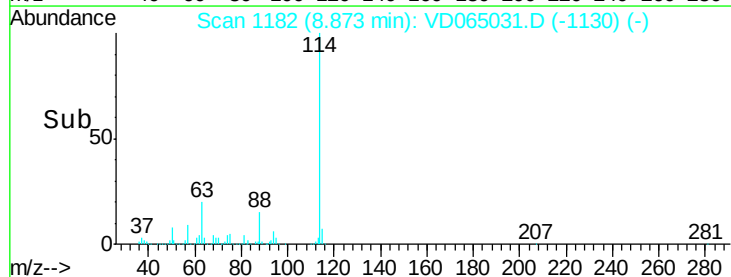
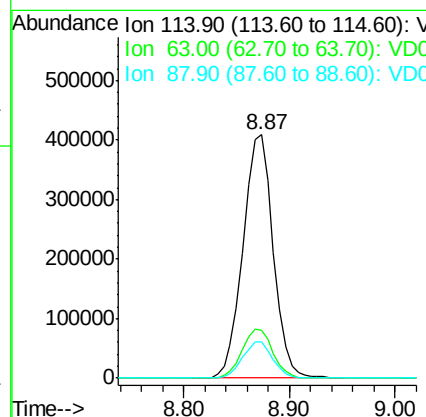
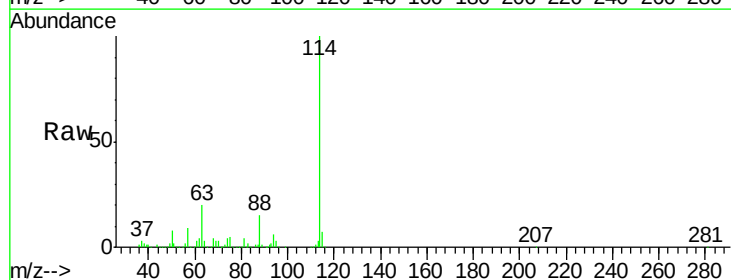
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11976

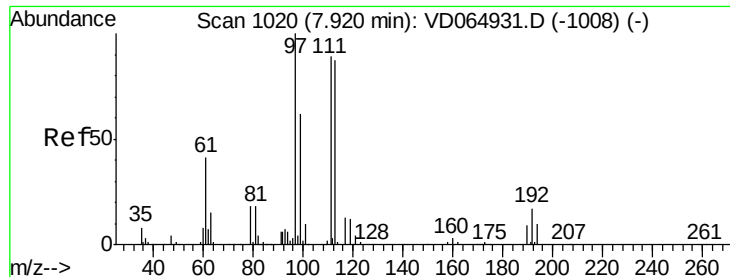
Tgt Ion: 65 Resp: 247626
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065031.D
 Acq: 31 Jan 2020 13:55

Tgt Ion: 114 Resp: 813332
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.0
 88 14.7 0.0 29.4

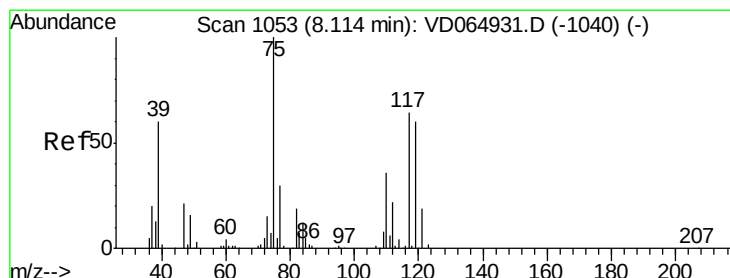
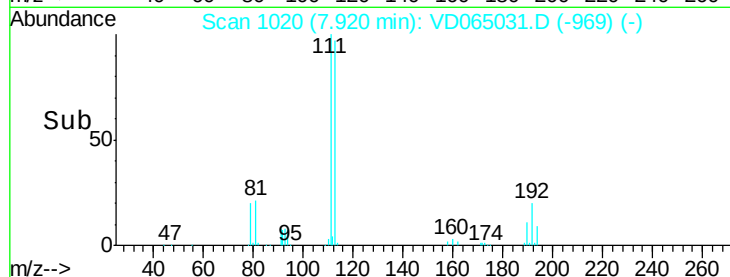
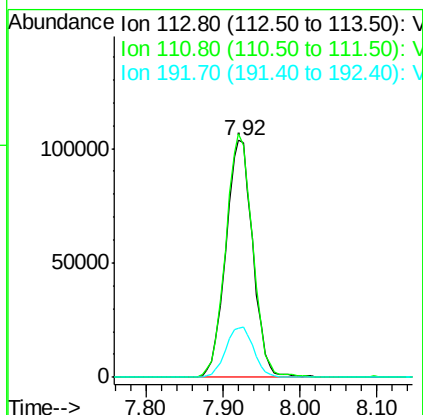
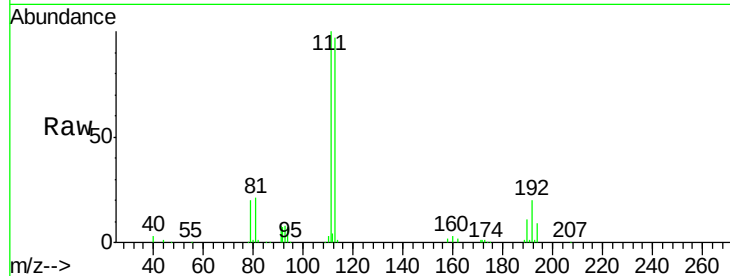




#35
 Dibromofluoromethane
 Concen: 49.54 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065031.D
 Acq: 31 Jan 2020 13:55

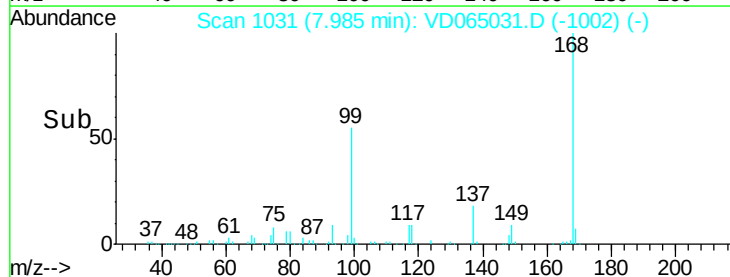
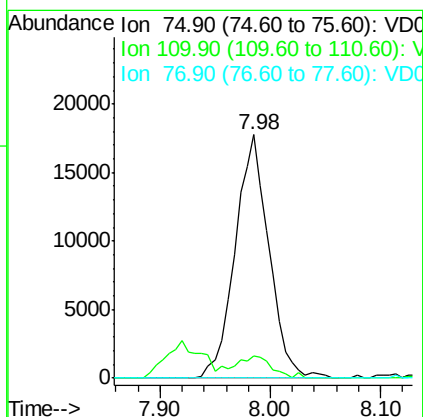
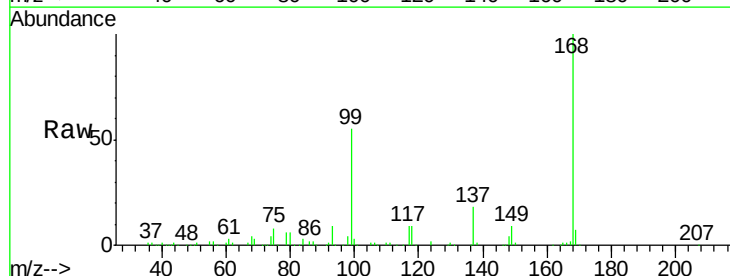
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11976

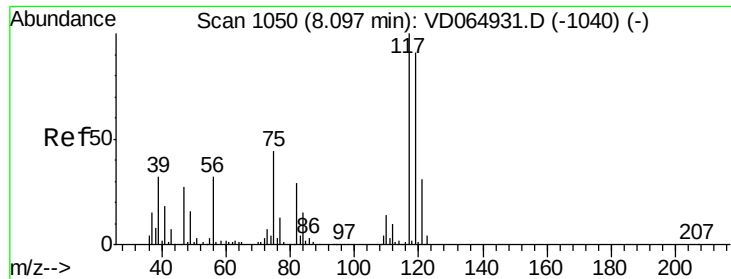
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	21.7	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 4.86 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065031.D
 Acq: 31 Jan 2020 13:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.3	52.0#
77	0.0	24.7	37.1#

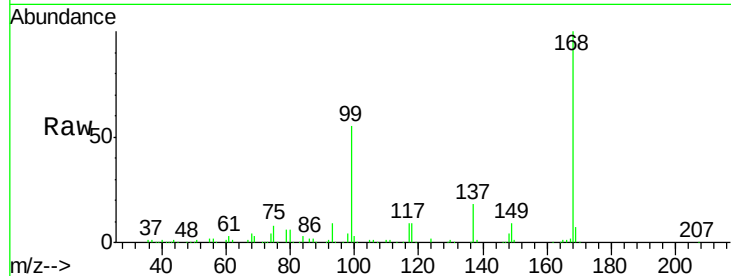




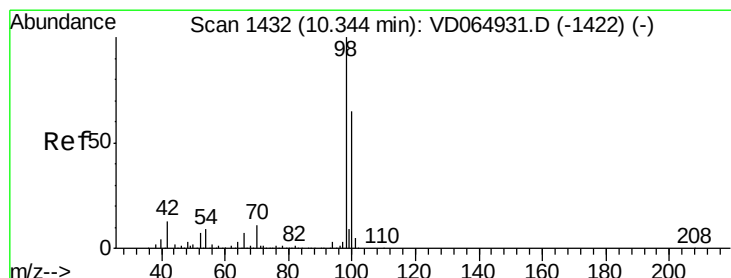
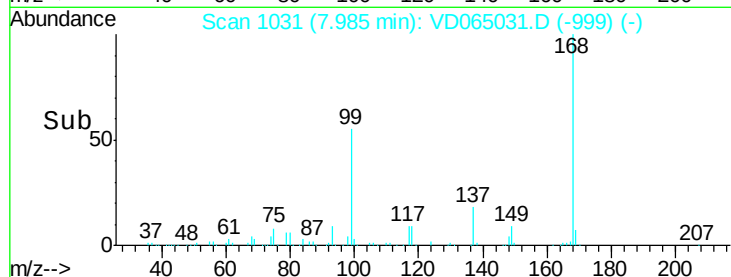
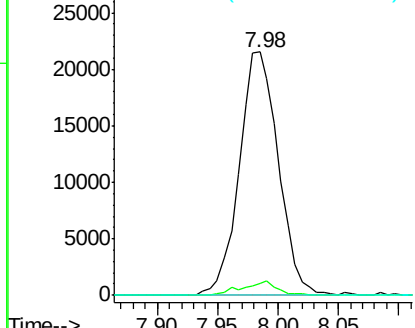
#38
Carbon Tetrachloride
Concen: 5.87 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065031.D
Acq: 31 Jan 2020 13:55

Instrument :
MSVOA_D
ClientSampleId :
72-11976

Tgt Ion:117 Resp: 48657
Ion Ratio Lower Upper
117 100
119 4.8 73.2 109.8#
121 0.0 24.4 36.6#

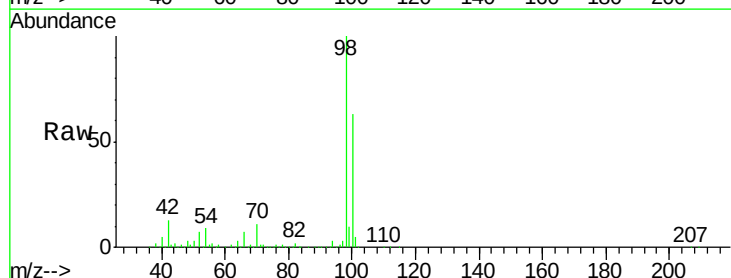


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

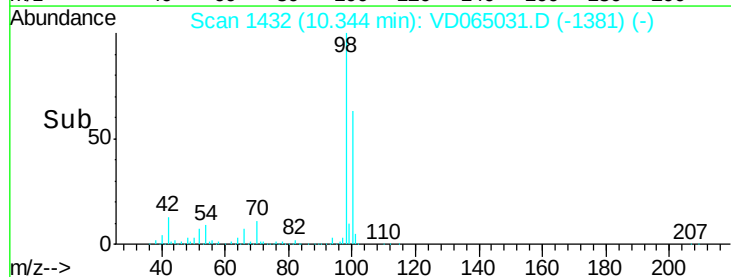
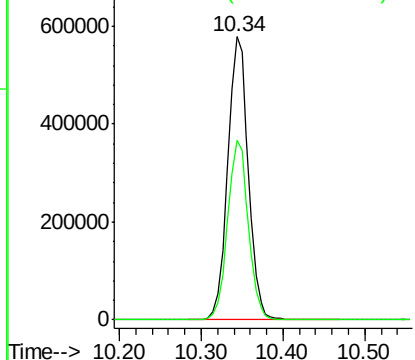


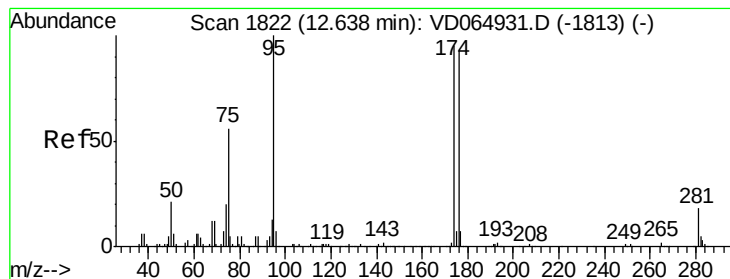
#50
Toluene-d8
Concen: 51.13 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065031.D
Acq: 31 Jan 2020 13:55

Tgt Ion: 98 Resp: 1008583
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5



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





#62

4-Bromofluorobenzene

Concen: 56.19 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065031.D

Acq: 31 Jan 2020 13:55

Instrument :

MSVOA_D

ClientSampleId :

72-11976

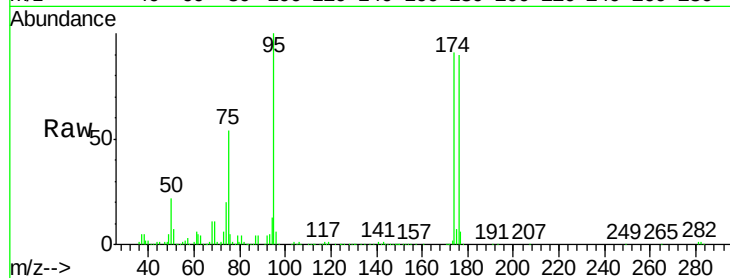
Tgt Ion: 95 Resp: 339219

Ion Ratio Lower Upper

95 100

174 92.5 0.0 186.8

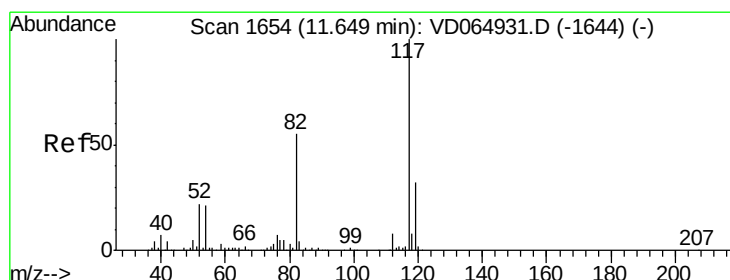
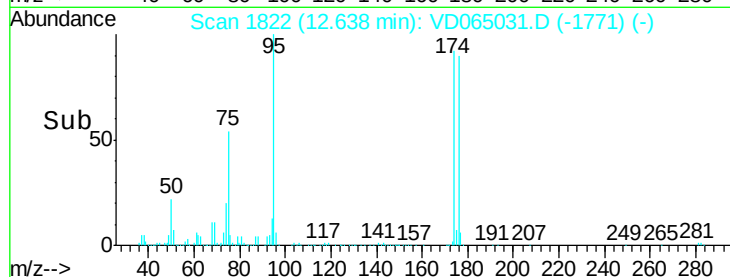
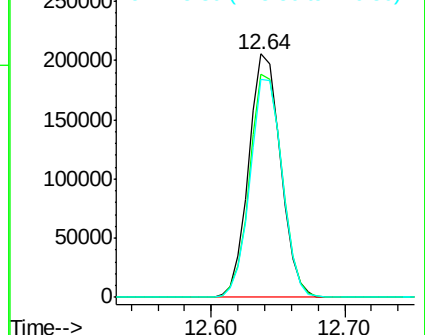
176 90.0 0.0 183.4



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



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065031.D

Acq: 31 Jan 2020 13:55

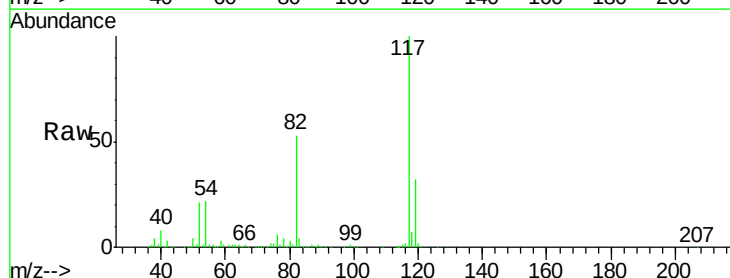
Tgt Ion: 117 Resp: 804532

Ion Ratio Lower Upper

117 100

82 53.4 43.6 65.4

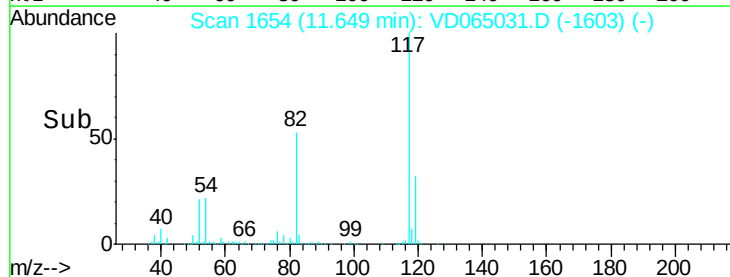
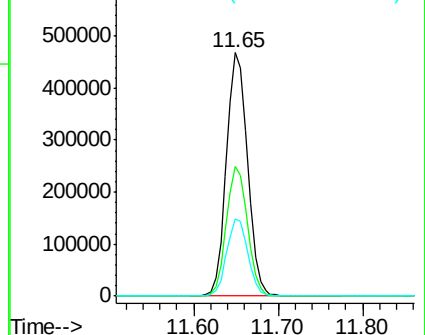
119 31.5 25.2 37.8

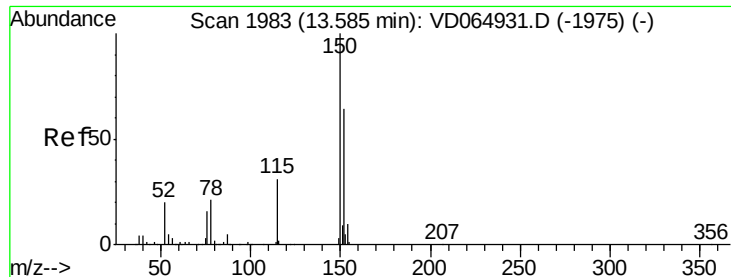


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065031.D

Acq: 31 Jan 2020 13:55

Instrument :

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72-11976

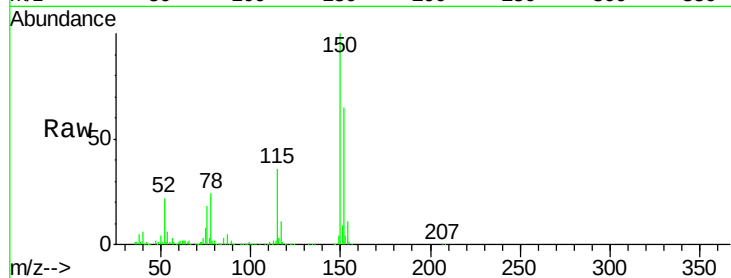
Tgt Ion: 152 Resp: 379537

Ion Ratio Lower Upper

152 100

115 55.4 28.1 84.4

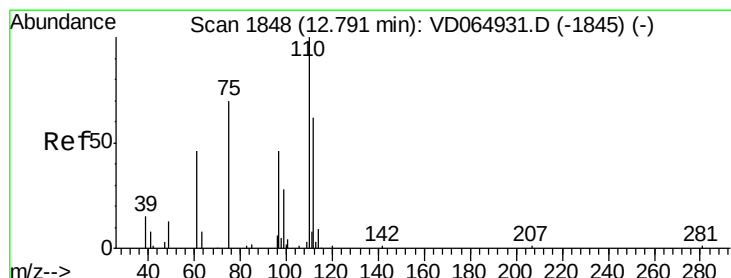
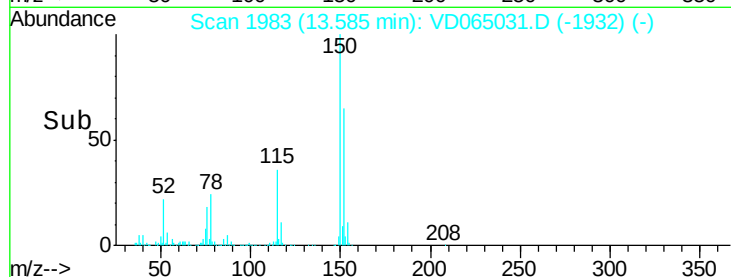
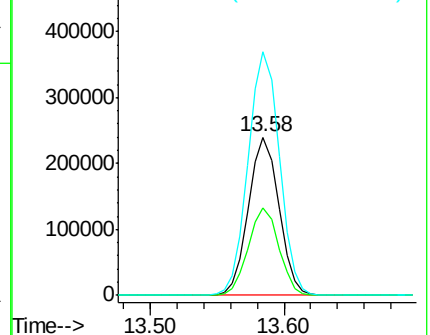
150 157.4 0.0 350.4



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: 58.54 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065031.D

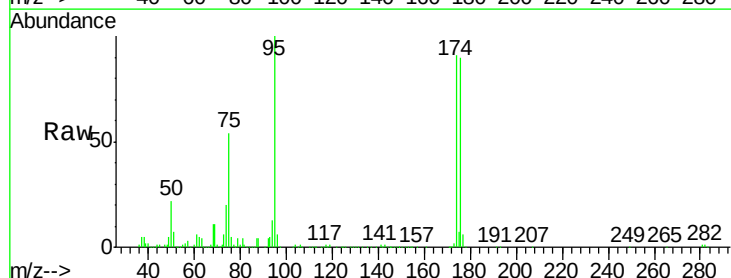
Acq: 31 Jan 2020 13:55

Tgt Ion: 75 Resp: 184403

Ion Ratio Lower Upper

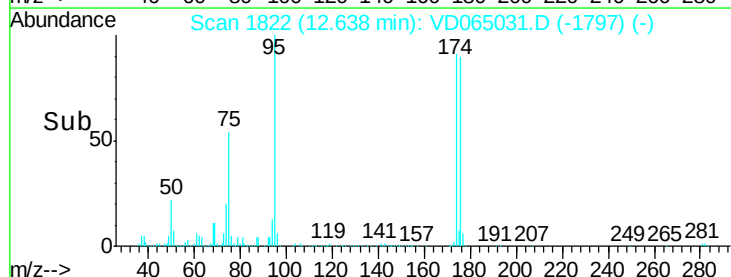
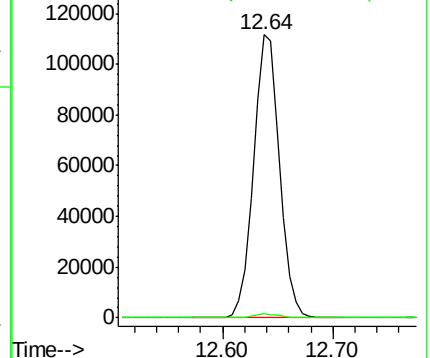
75 100

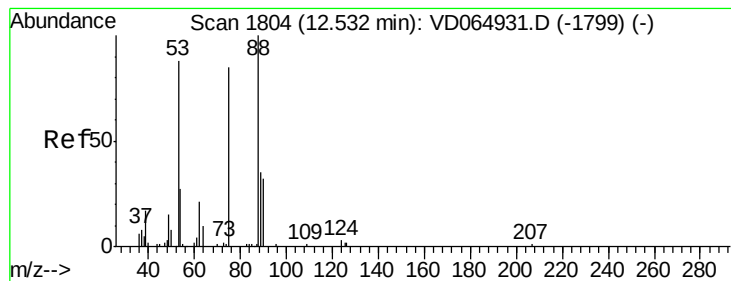
77 1.4 0.0 0.0#



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: 124.99 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065031.D

Acq: 31 Jan 2020 13:55

Instrument :

MSVOA_D

ClientSampleId :

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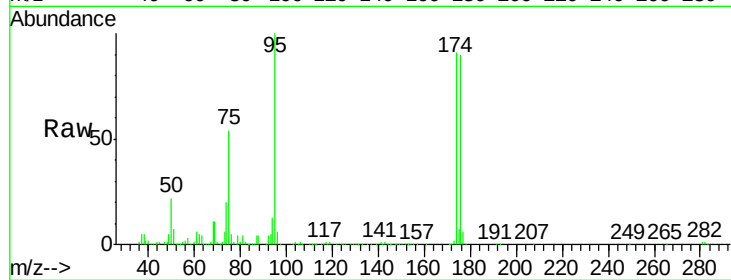
Tgt Ion: 75 Resp: 184403

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.4#

89 0.0 36.2 54.4#



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

