

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064365.D
 Acq On : 25 Nov 2019 17:27
 Operator : VA/SY
 Sample : K5999-07
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 26 05:36:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	777763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1167637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1035519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	489949	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	323244	50.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.06%	
35) Dibromofluoromethane	7.92	113	353360	52.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.44%	
50) Toluene-d8	10.34	98	1381797	54.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.30%	
62) 4-Bromofluorobenzene	12.64	95	446855	51.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.06%	

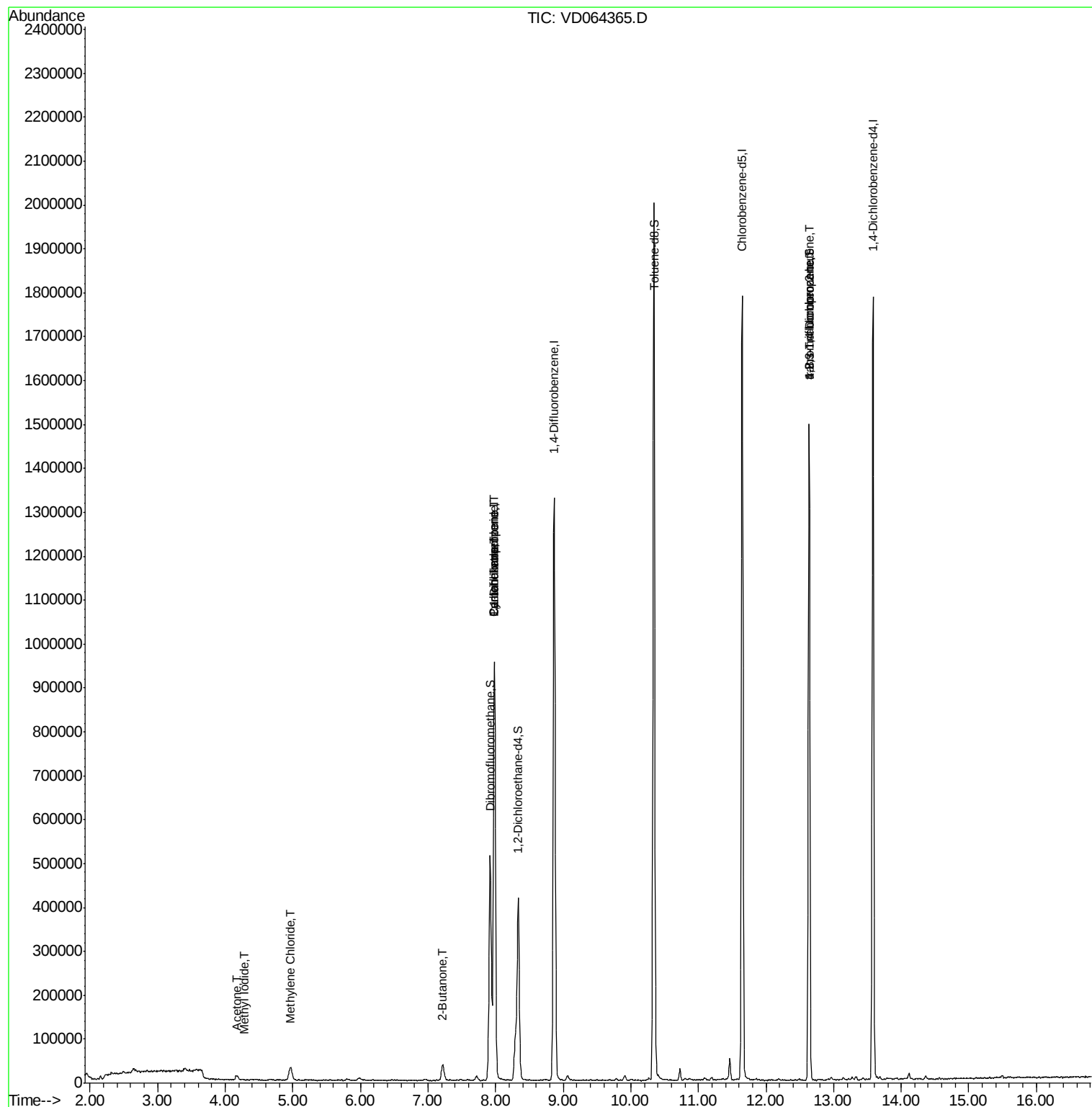
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	94	2.043	ug/l #	41
16) Acetone	4.17	43	16220	10.704	ug/l	95
20) Methylene Chloride	4.97	84	23728	3.100	ug/l	92
25) 2-Butanone	7.21	43	3535	1.806	ug/l #	84
31) Cyclohexane	7.99	56	15188	1.210	ug/l #	15
36) 1,1-Dichloropropene	7.98	75	53383	4.954	ug/l #	49
38) Carbon Tetrachloride	7.99	117	70438	6.109	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	224715	56.942	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	224715	113.109	ug/l #	10

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

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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: VD064365.D

Acq: 25 Nov 2019 17:27

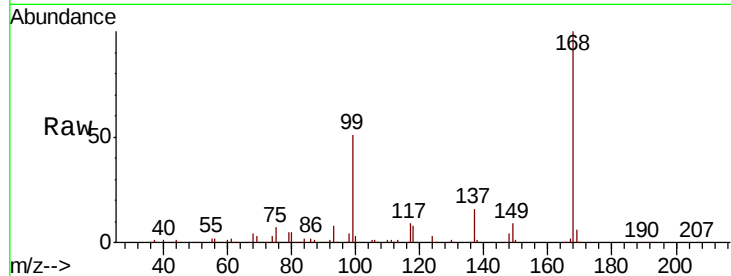
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 777763

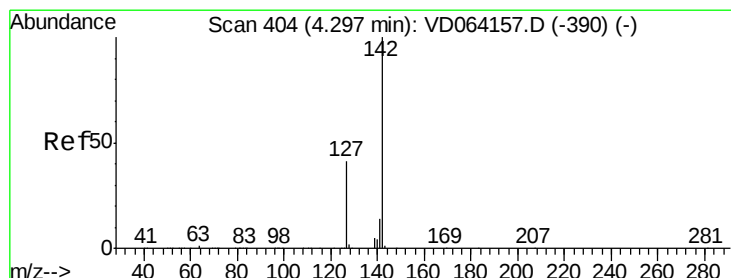
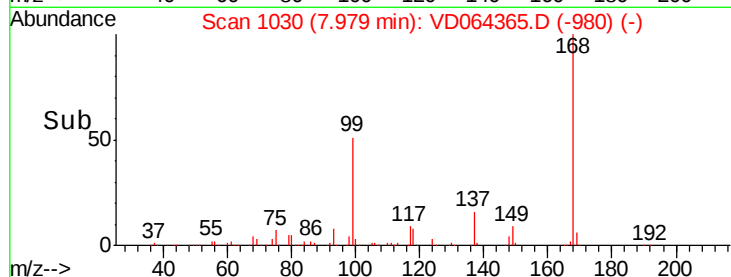
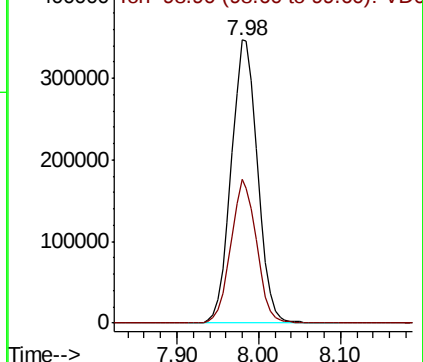
Ion Ratio Lower Upper

168 100

99 50.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 2.043 ug/l

RT: 4.28 min Scan# 401

Delta R.T. -0.02 min

Lab File: VD064365.D

Acq: 25 Nov 2019 17:27

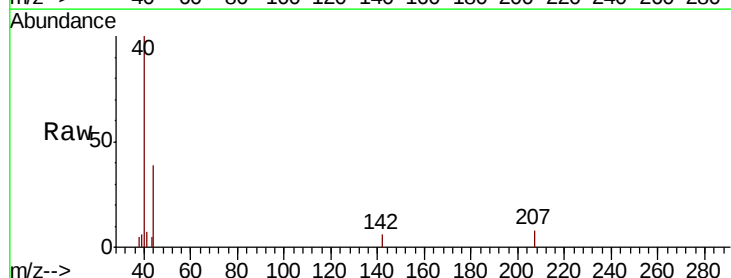
Tgt Ion:142 Resp: 94

Ion Ratio Lower Upper

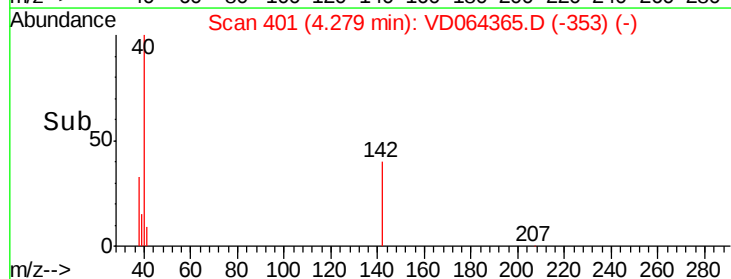
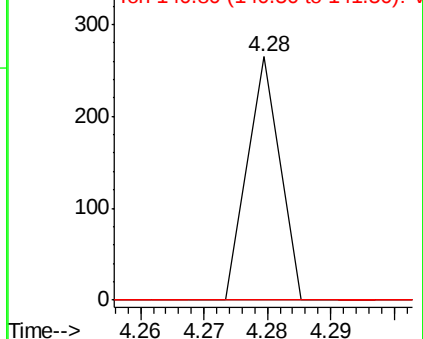
142 100

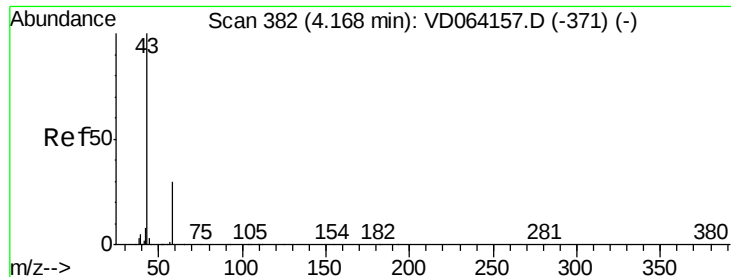
127 0.0 34.4 51.6#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 10.704 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064365.D

Acq: 25 Nov 2019 17:27

Instrument :

MSVOA_D

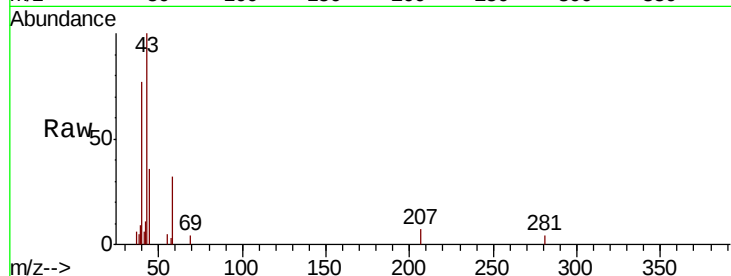
ClientSampleId :

Tot Ion: 43 Resp: 16220

Ion Ratio Lower Upper

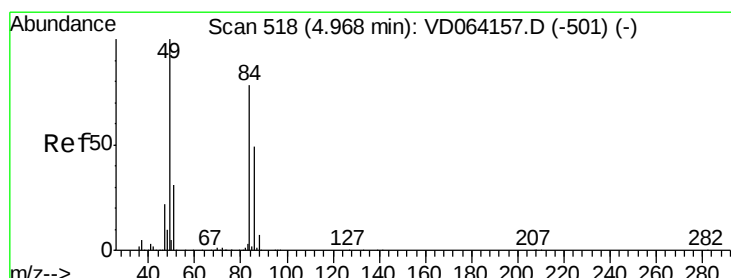
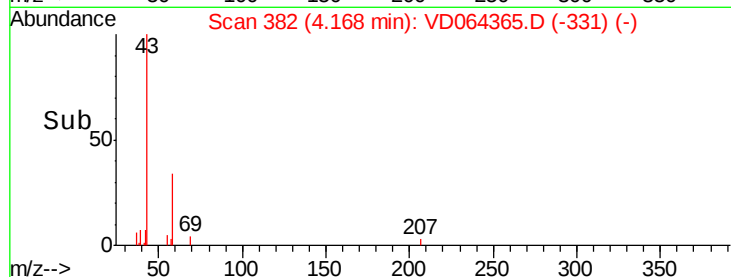
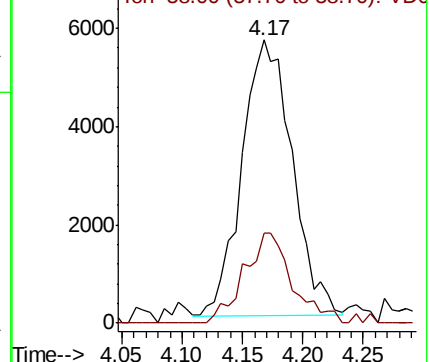
43 100

58 32.9 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 3.100 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD064365.D

Acq: 25 Nov 2019 17:27

Tgt Ion: 84 Resp: 23728

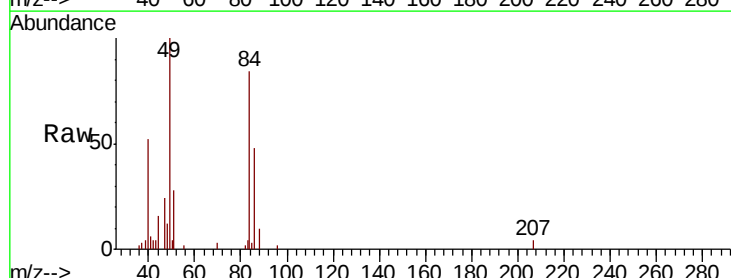
Ion Ratio Lower Upper

84 100

49 119.0 102.1 153.1

51 33.0 32.2 48.2

86 57.7 49.9 74.9

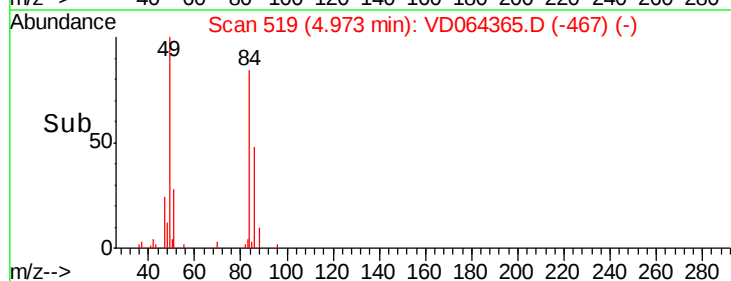
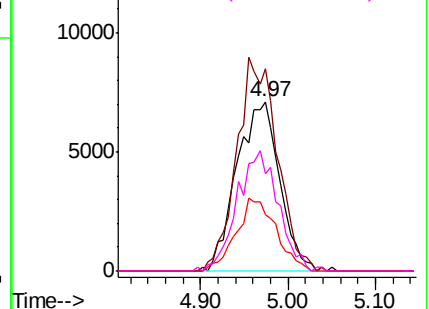


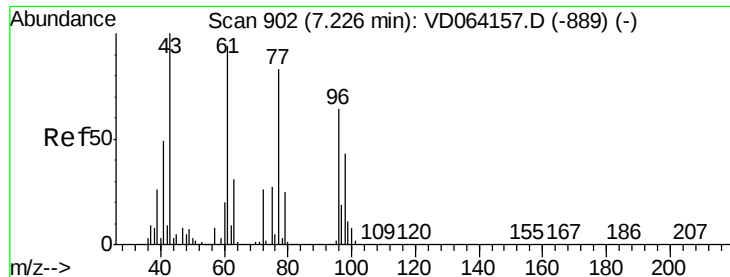
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 1.806 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.02 min

Lab File: VD064365.D

Acq: 25 Nov 2019 17:27

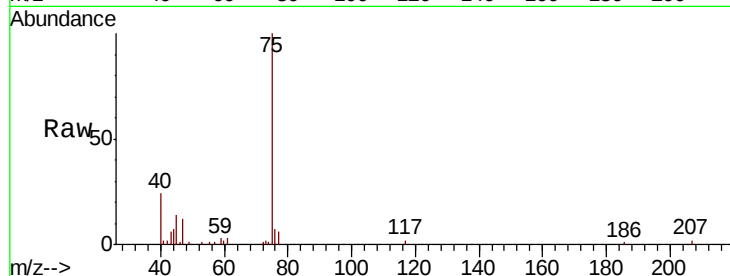
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 3535

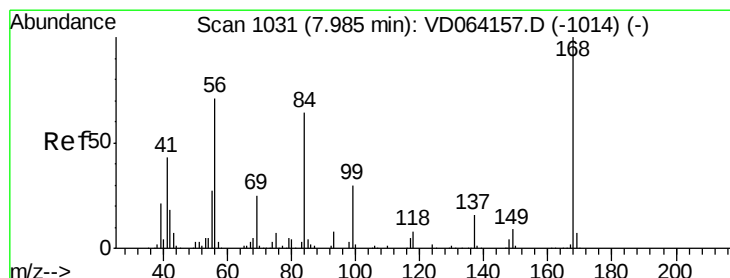
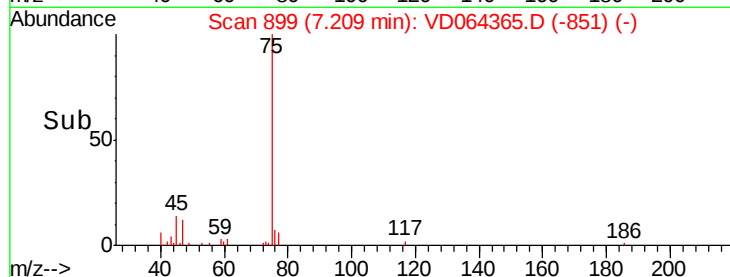
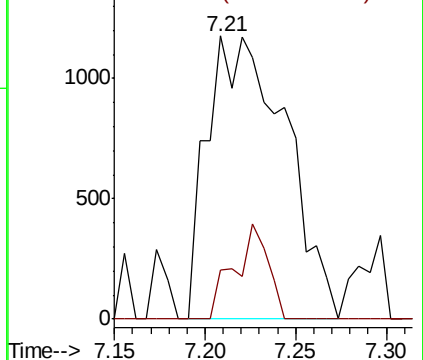
Ion Ratio Lower Upper

43 100

72 17.3 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.210 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064365.D

Acq: 25 Nov 2019 17:27

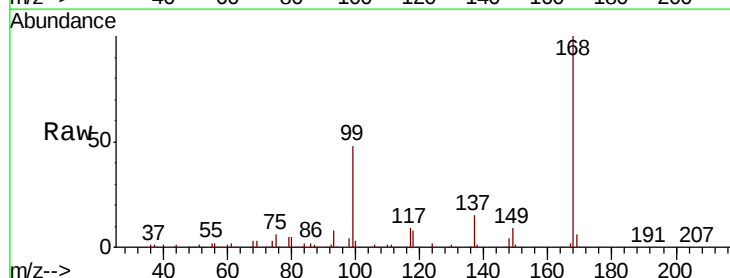
Tgt Ion: 56 Resp: 15188

Ion Ratio Lower Upper

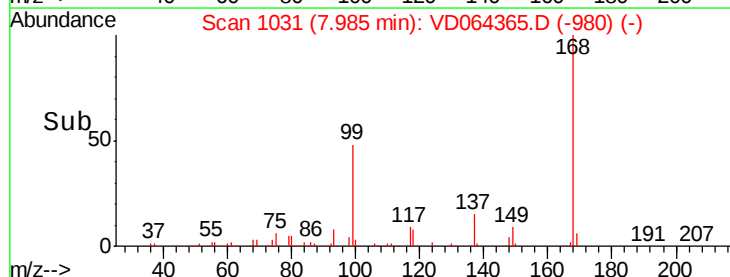
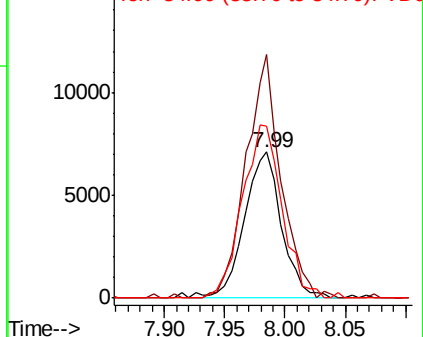
56 100

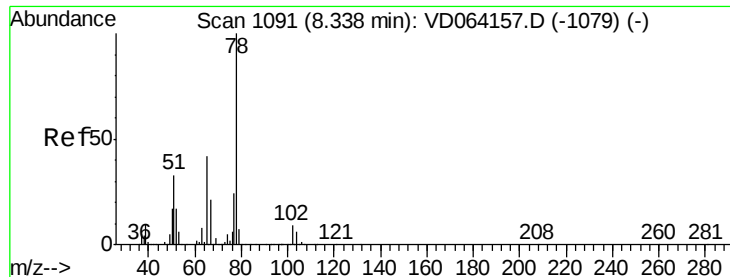
69 166.9 28.2 42.4#

84 117.6 71.8 107.6#



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

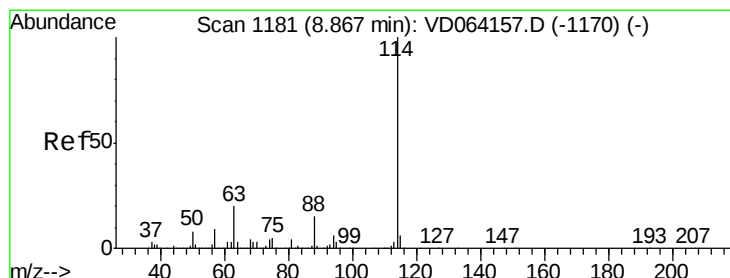
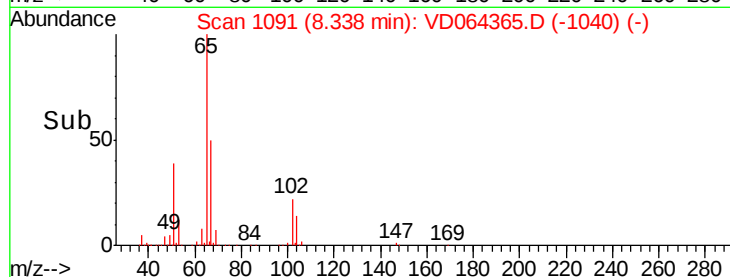
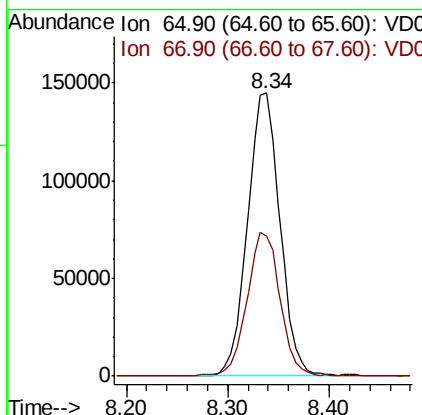
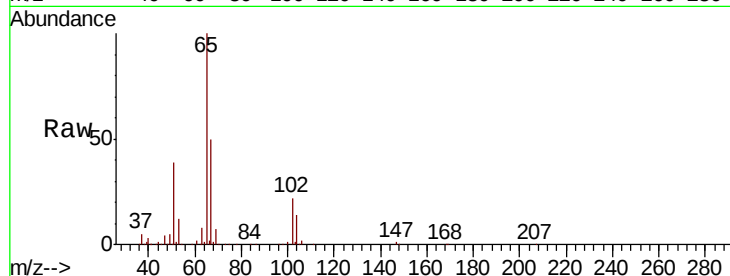




#33
 1,2-Dichloroethane-d4
 Concen: 50.533 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064365.D
 Acq: 25 Nov 2019 17:27

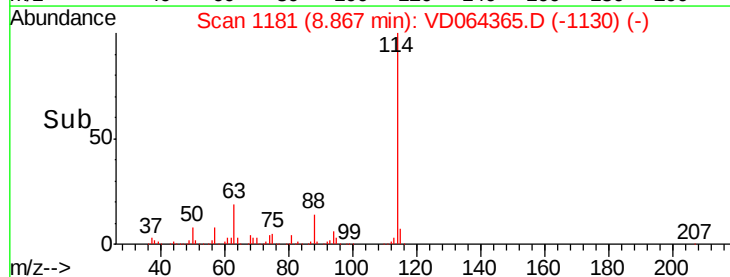
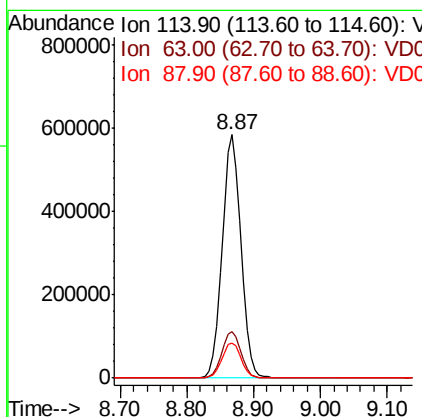
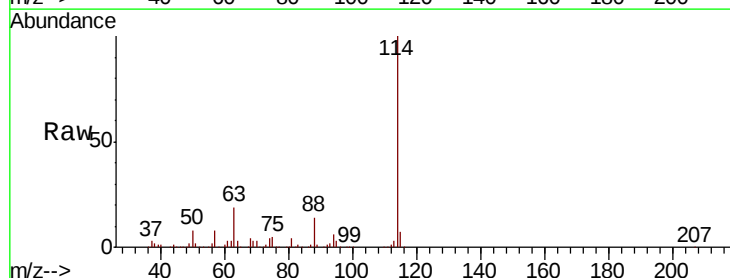
Instrument :
 MSVOA_D
 ClientSampleId :

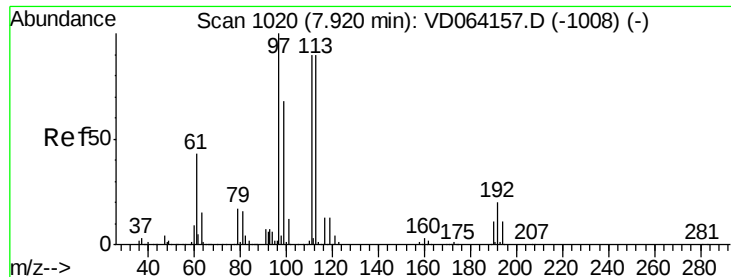
Tot Ion: 65 Resp: 323244
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064365.D
 Acq: 25 Nov 2019 17:27

Tgt Ion: 114 Resp: 1167637
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.0
 88 14.3 0.0 30.2

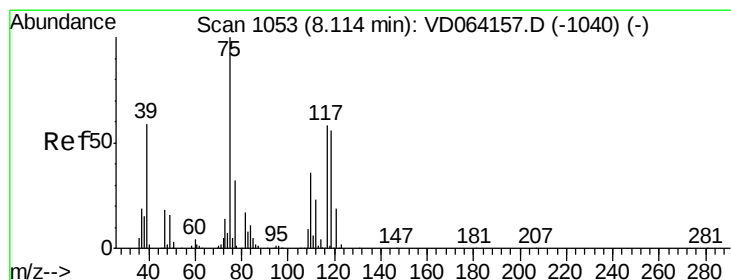
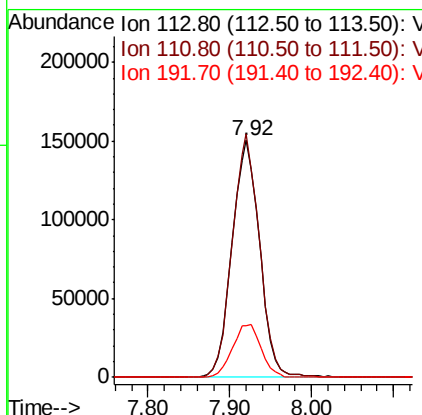
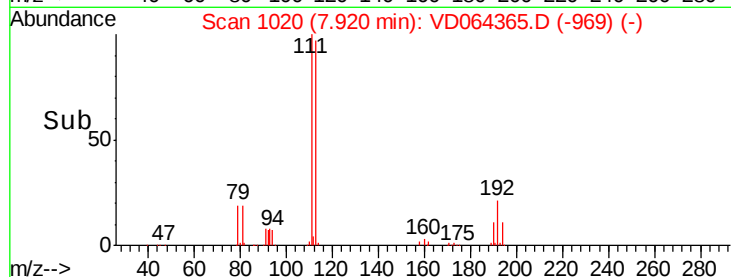
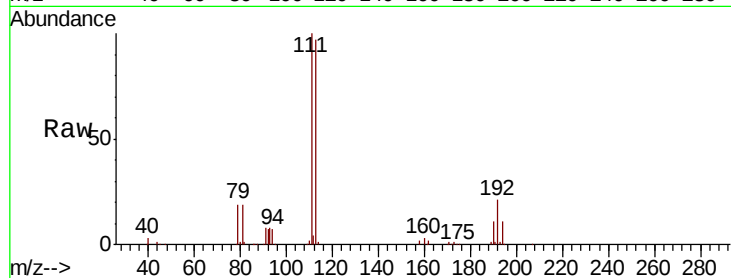




#35
 Dibromofluoromethane
 Concen: 52.721 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064365.D
 Acq: 25 Nov 2019 17:27

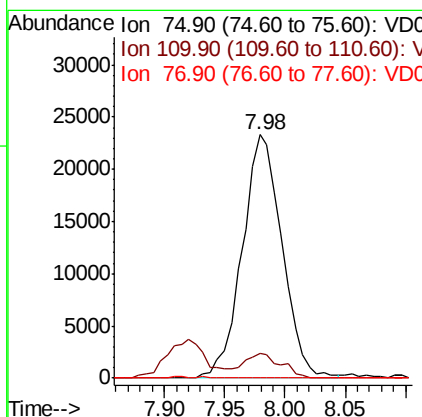
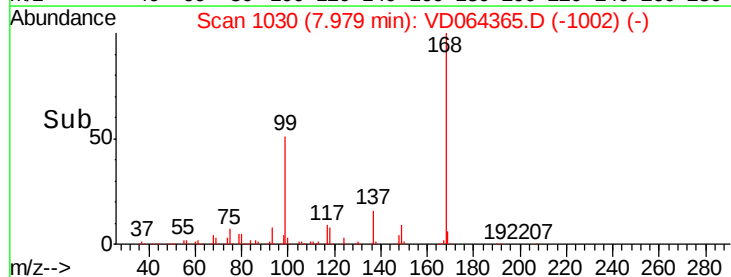
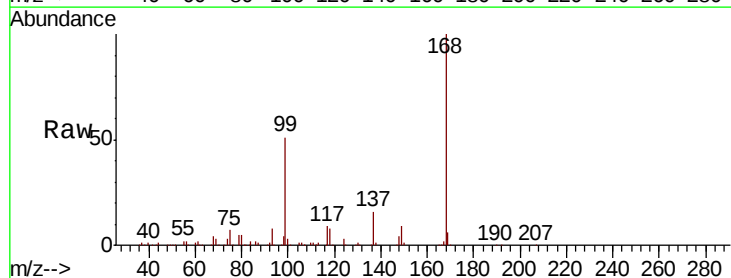
Instrument :
 MSVOA_D
 ClientSampleId :

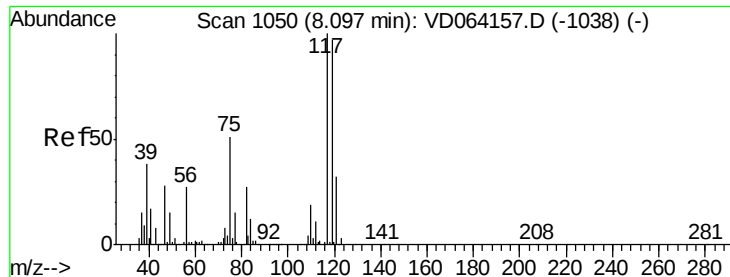
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.5	122.3
192	23.3	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.954 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064365.D
 Acq: 25 Nov 2019 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.3	54.9#
77	0.0	25.0	37.6#

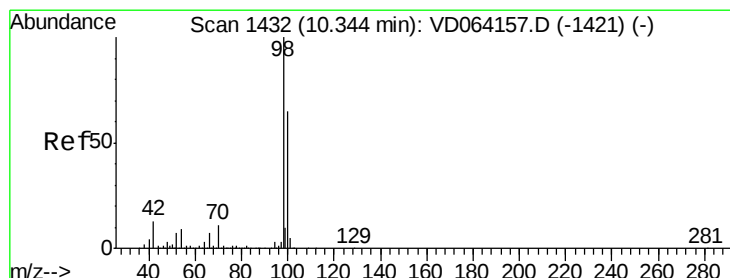
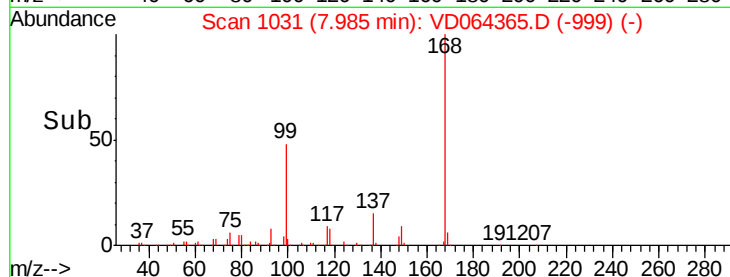
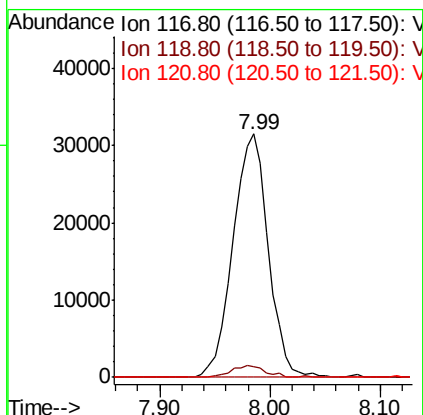
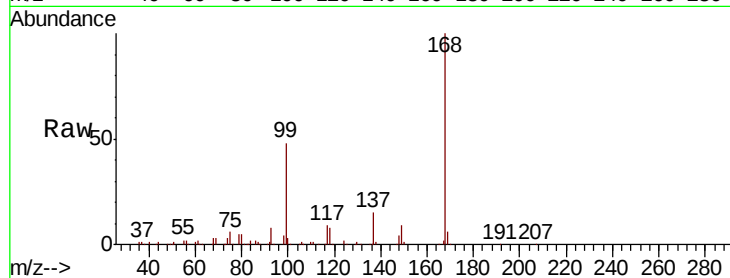




#38
Carbon Tetrachloride
Concen: 6.109 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064365.D
Acq: 25 Nov 2019 17:27

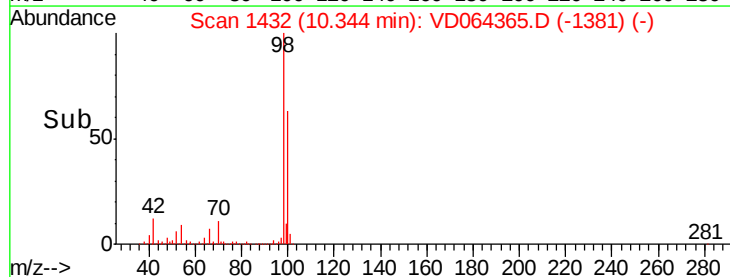
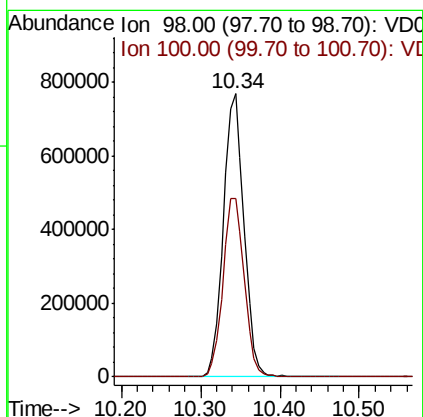
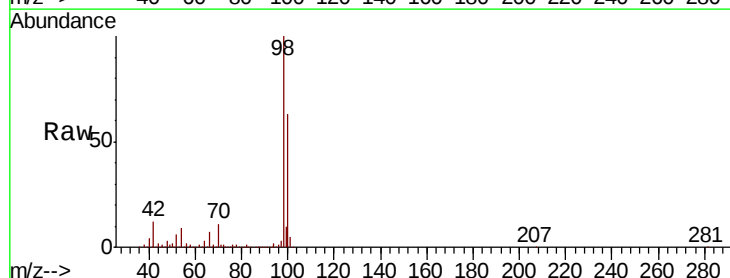
Instrument :
MSVOA_D
ClientSampleId :

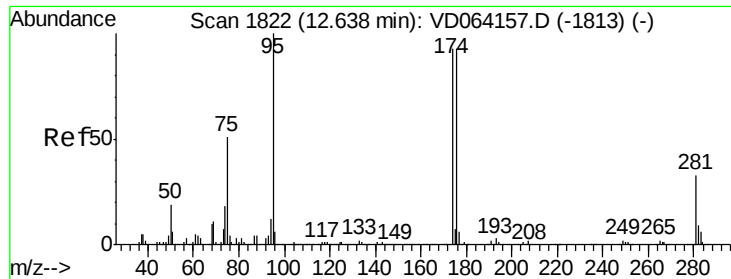
Tot Ion:117 Resp: 70438
Ion Ratio Lower Upper
117 100
119 4.6 77.2 115.8#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 54.650 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064365.D
Acq: 25 Nov 2019 17:27

Tgt Ion: 98 Resp: 1381797
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

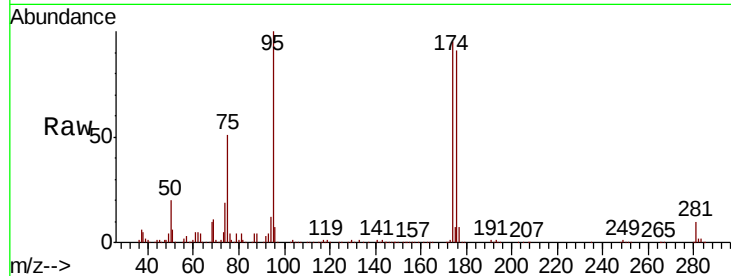




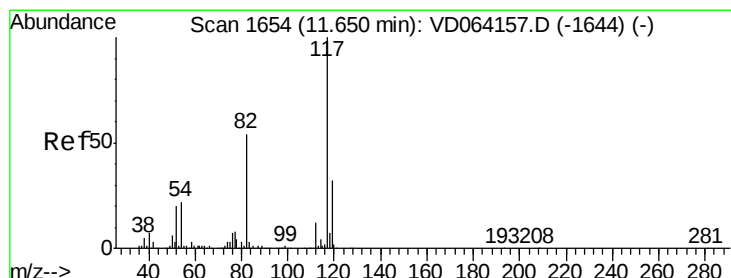
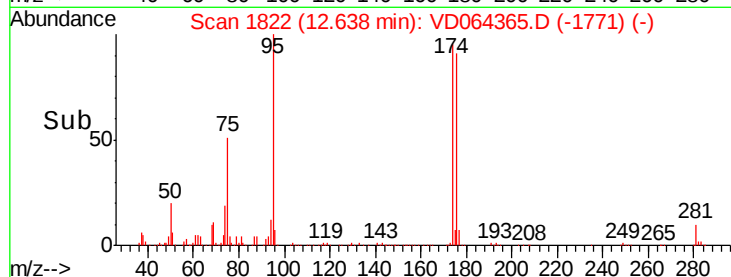
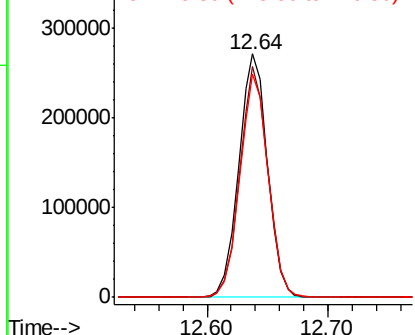
#62
4-Bromofluorobenzene
Concen: 51.033 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064365.D
Acq: 25 Nov 2019 17:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 446855
Ion Ratio Lower Upper
95 100
174 92.8 0.0 183.6
176 90.8 0.0 180.2

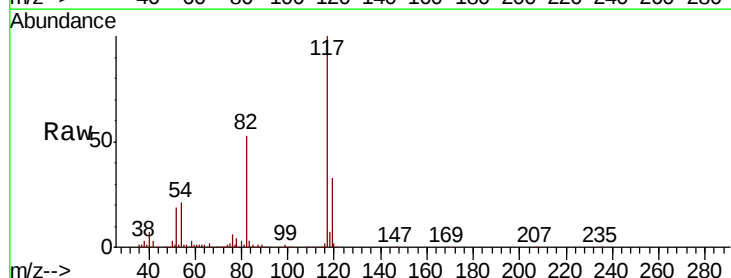


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

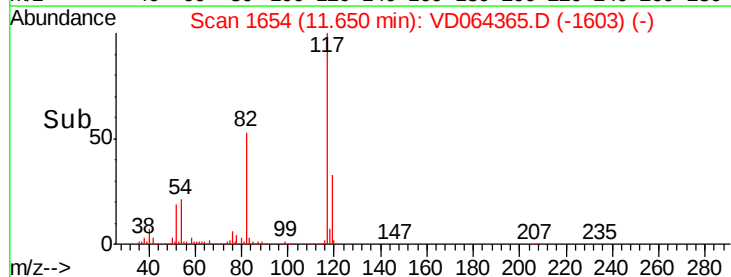
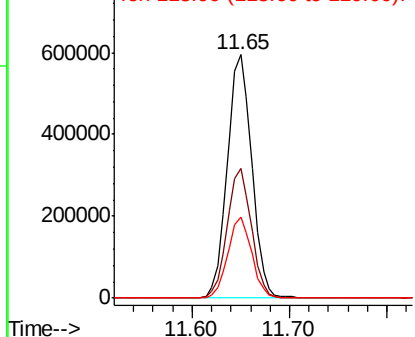


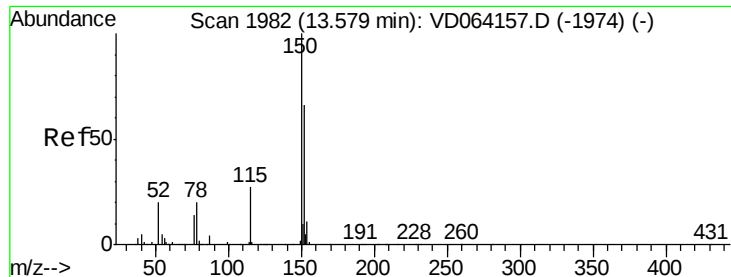
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064365.D
Acq: 25 Nov 2019 17:27

Tgt Ion: 117 Resp: 1035519
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 33.1 25.6 38.4



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: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064365.D

Acq: 25 Nov 2019 17:27

Instrument :

MSVOA_D

ClientSampleId :

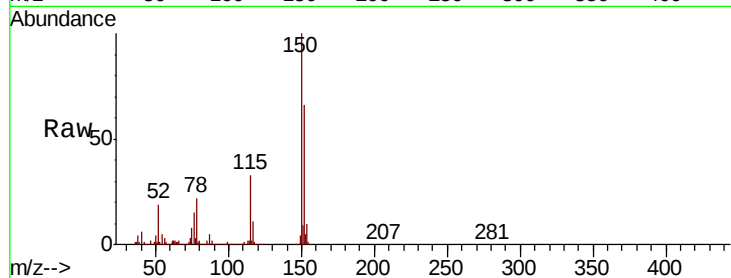
Tot Ion:152 Resp: 489949

Ion Ratio Lower Upper

152 100

115 53.2 27.4 82.2

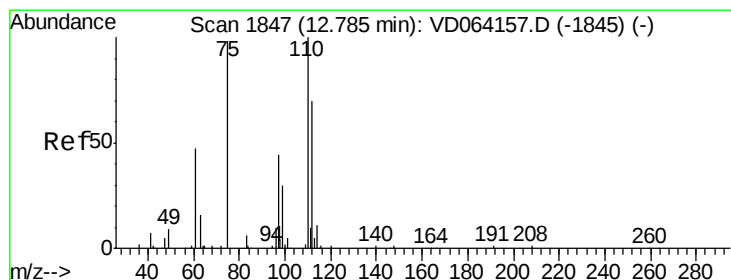
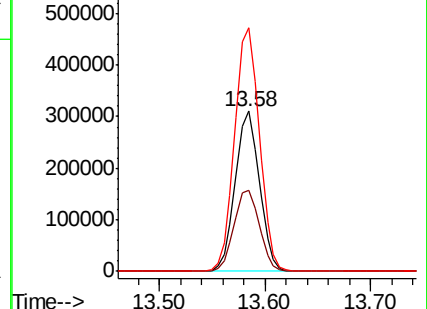
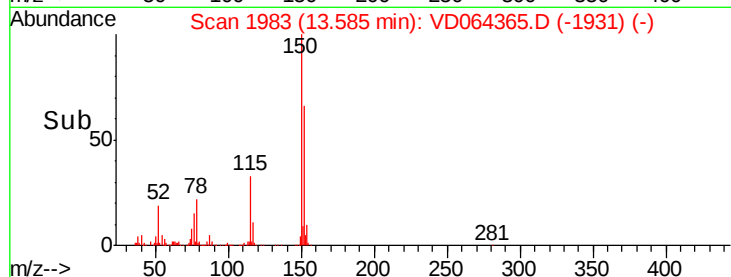
150 155.9 0.0 351.6



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: 56.942 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064365.D

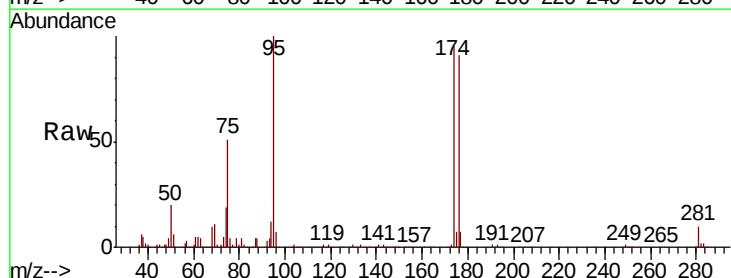
Acq: 25 Nov 2019 17:27

Tgt Ion: 75 Resp: 224715

Ion Ratio Lower Upper

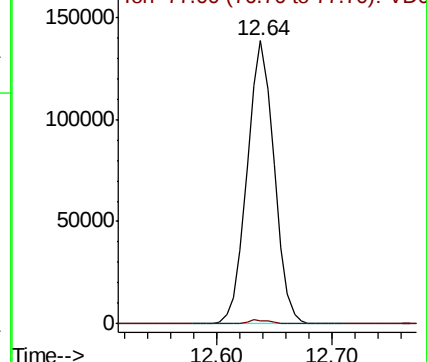
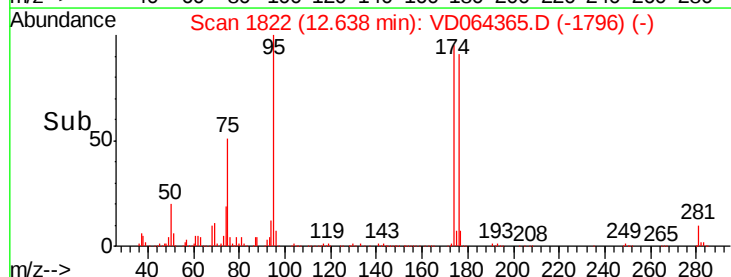
75 100

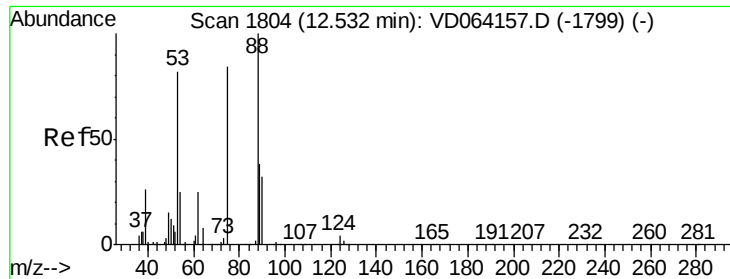
77 1.4 0.0 0.0#



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: 113.109 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064365.D

Acq: 25 Nov 2019 17:27

Instrument :

MSVOA_D

ClientSampleId :

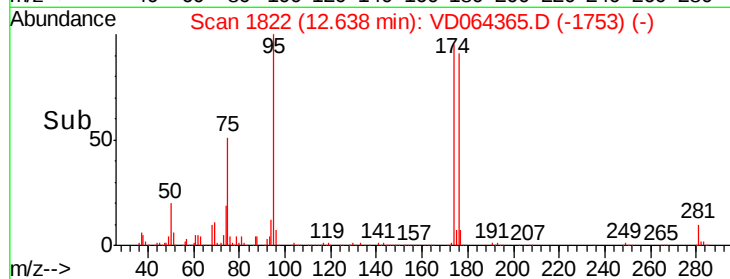
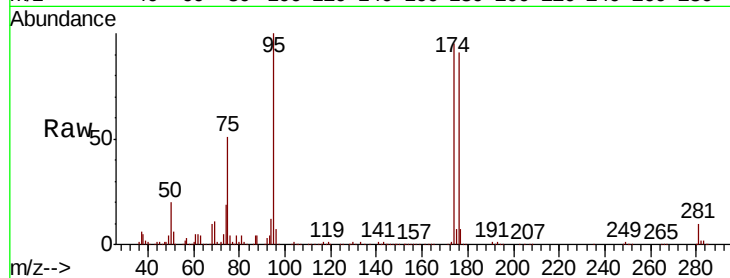
Tot Ion: 75 Resp: 224715

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.1 36.6 55.0#



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

