

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112619\
 Data File : VD064380.D
 Acq On : 26 Nov 2019 13:21
 Operator : VA/SY
 Sample : K6021-01RE
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 27 05:50:43 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	99874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	158907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	148709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	78996	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	64411	78.42	ug/l	0.00
Spiked Amount			Recovery	=	156.84%	
35) Dibromofluoromethane	7.92	113	53046	58.15	ug/l	0.00
Spiked Amount			Recovery	=	116.30%	
50) Toluene-d8	10.34	98	188161	54.68	ug/l	0.00
Spiked Amount			Recovery	=	109.36%	
62) 4-Bromofluorobenzene	12.64	95	68774	57.71	ug/l	0.00
Spiked Amount			Recovery	=	115.42%	

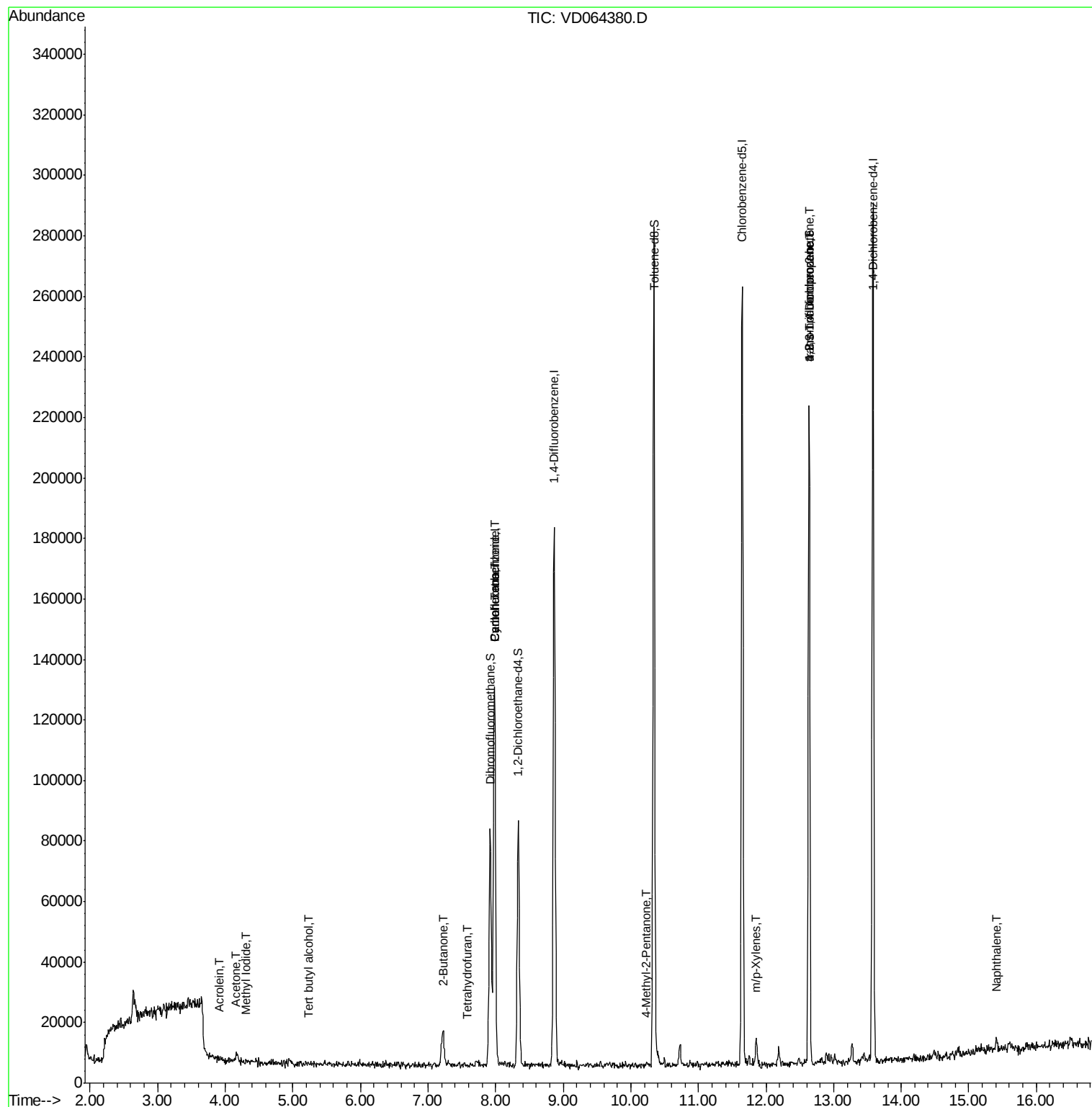
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	123	2.149	ug/l #	76
11) Tert butyl alcohol	5.24	59	256	4.462	ug/l #	69
13) Acrolein	3.91	56	70	1.442	ug/l #	1
16) Acetone	4.16	43	2585	13.284	ug/l	89
25) 2-Butanone	7.23	43	1346	5.354	ug/l #	49
29) Tetrahydrofuran	7.58	42	173	1.145	ug/l #	35
31) Cyclohexane	7.98	56	2474	1.535	ug/l #	36
38) Carbon Tetrachloride	7.98	117	9230	5.882	ug/l #	16
51) 4-Methyl-2-Pentanone	10.23	43	643	1.053	ug/l #	69
68) m/p-Xylenes	11.86	106	2860	1.364	ug/l	90
76) 1,2,3-Trichloropropane	12.64	75	35450	55.714	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	35450	110.669	ug/l #	10
95) Naphthalene	15.41	128	3137	1.121	ug/l	96

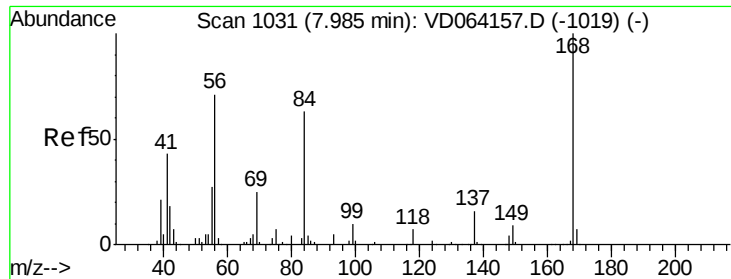
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112619\
Data File : VD064380.D
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ClientSampleId :

Quant Time: Nov 27 05:50:43 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 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: VD064380.D

Acq: 26 Nov 2019 13:21

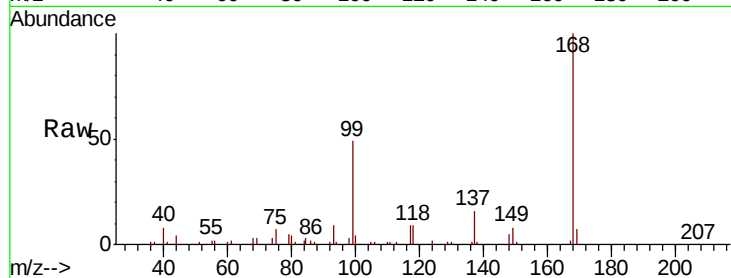
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 99874

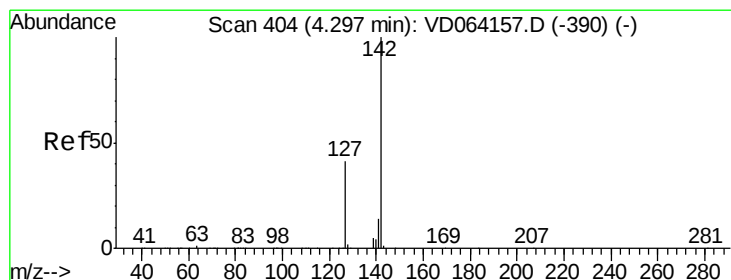
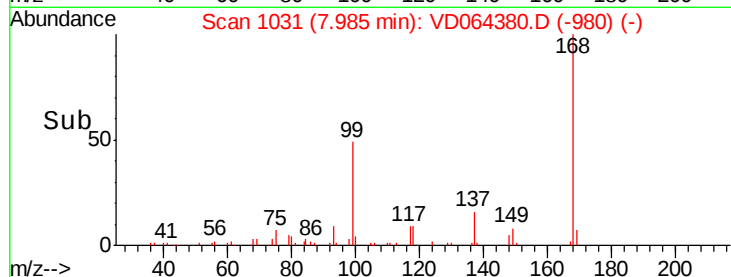
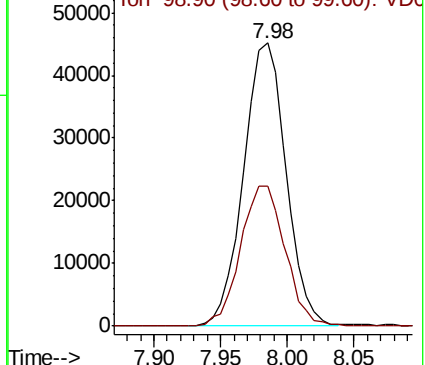
Ion Ratio Lower Upper

168 100

99 49.3 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: 2.149 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD064380.D

Acq: 26 Nov 2019 13:21

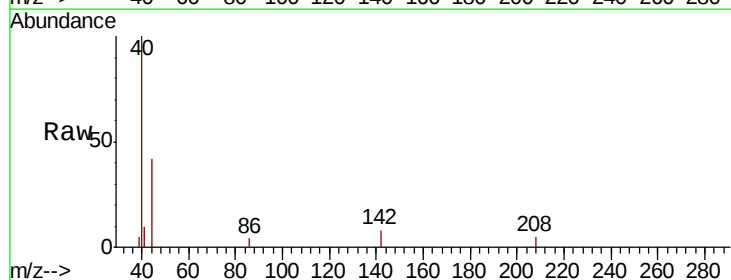
Tgt Ion:142 Resp: 123

Ion Ratio Lower Upper

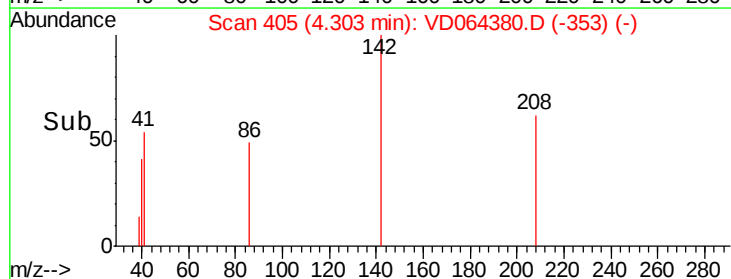
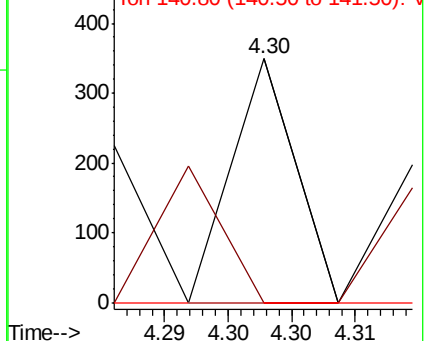
142 100

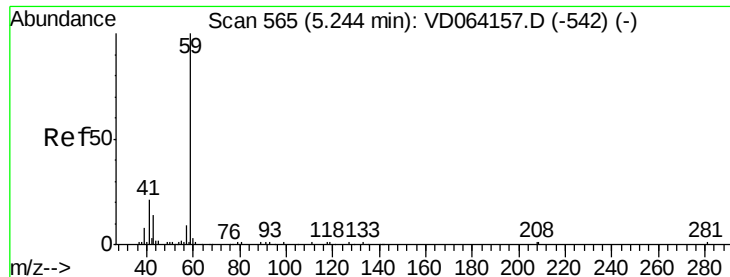
127 56.1 34.4 51.6#

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



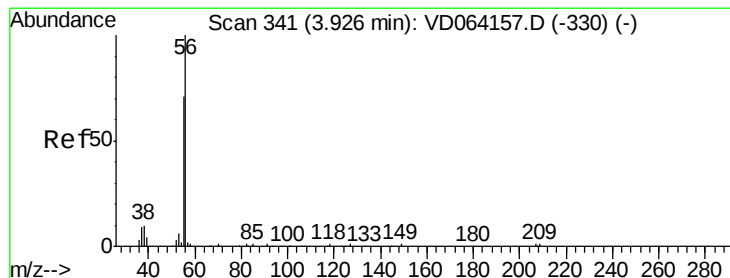
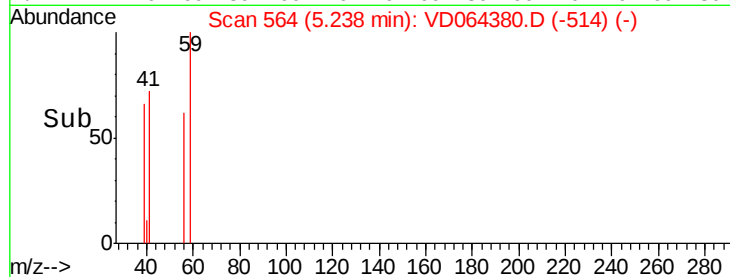
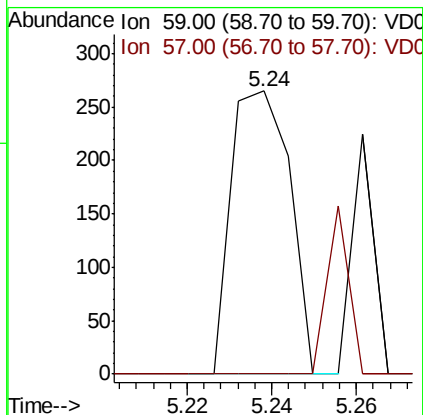
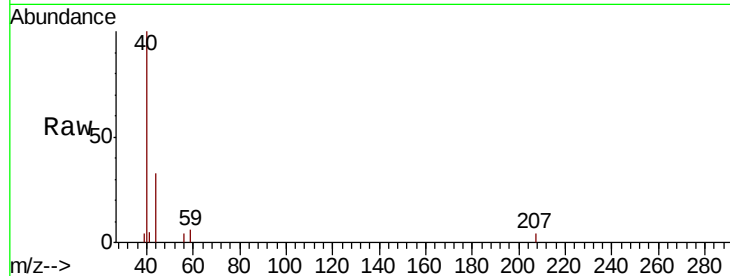


#11

Tert butyl alcohol
Concen: 4.462 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.00 min
Lab File: VD064380.D
Acq: 26 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampled :

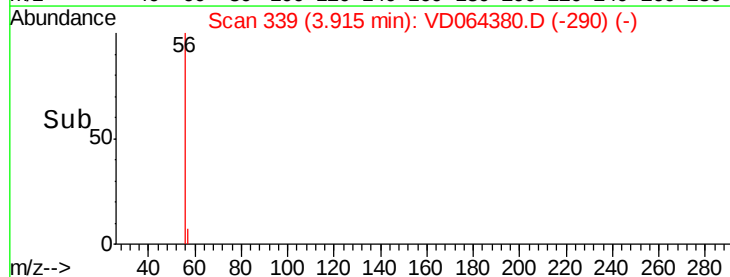
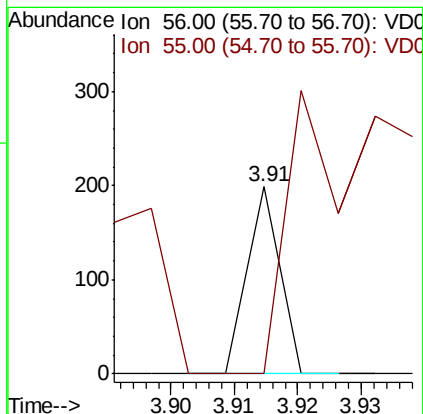
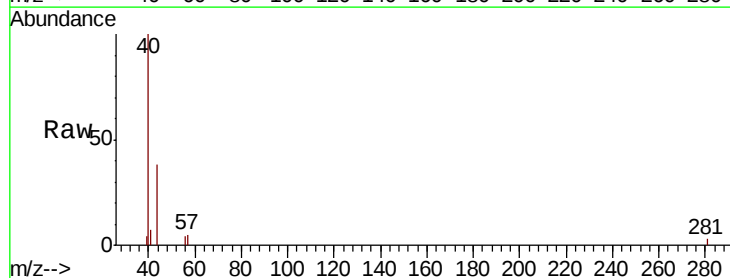
Tot Ion: 59 Resp: 256
Ion Ratio Lower Upper
59 100
57 0.0 9.4 14.2#

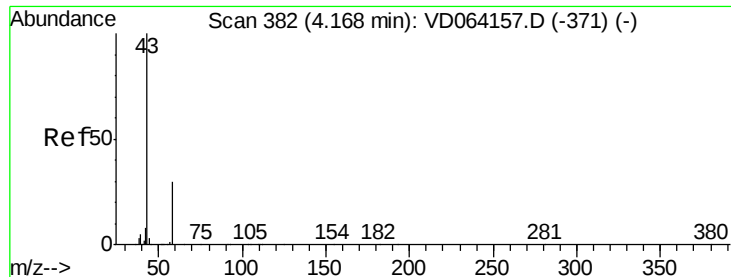


#13

Acrolein
Concen: 1.442 ug/l
RT: 3.91 min Scan# 339
Delta R.T. -0.01 min
Lab File: VD064380.D
Acq: 26 Nov 2019 13:21

Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 504.3 56.1 84.1#

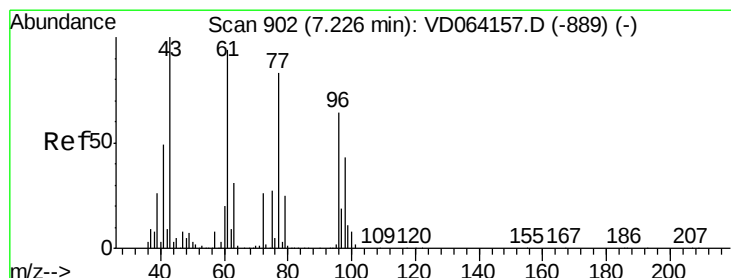
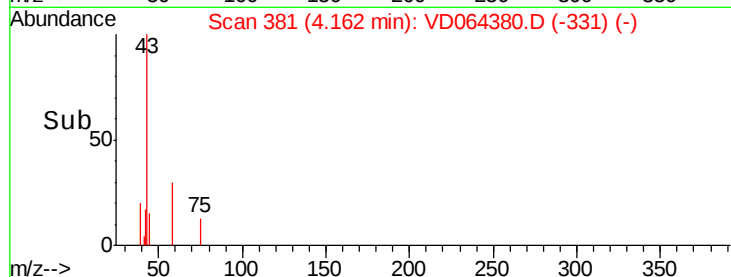
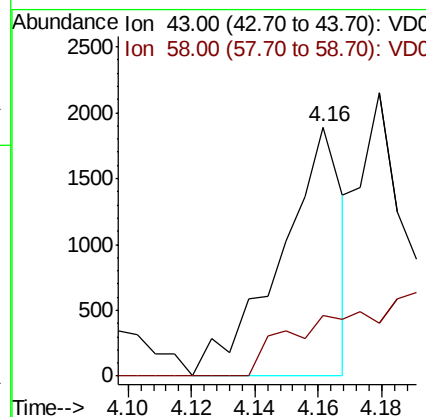
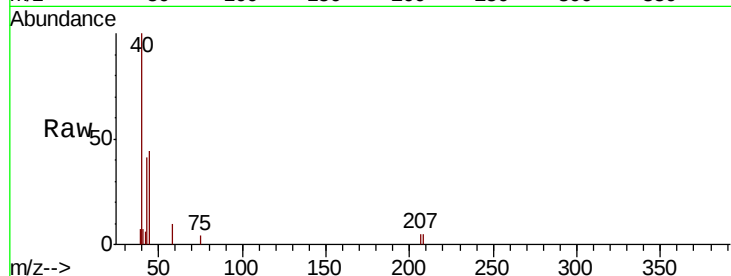




#16
Acetone
Concen: 13.284 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD064380.D
Acq: 26 Nov 2019 13:21

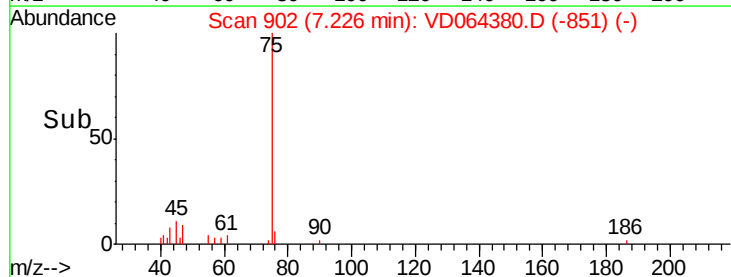
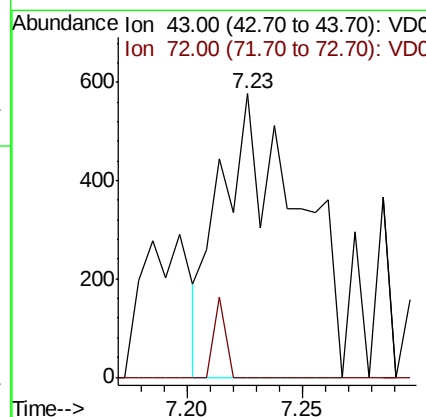
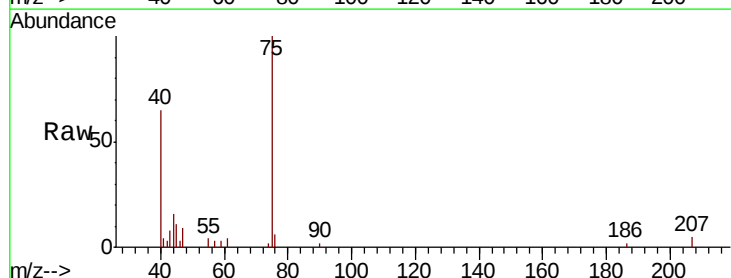
Instrument :
MSVOA_D
ClientSampleId :

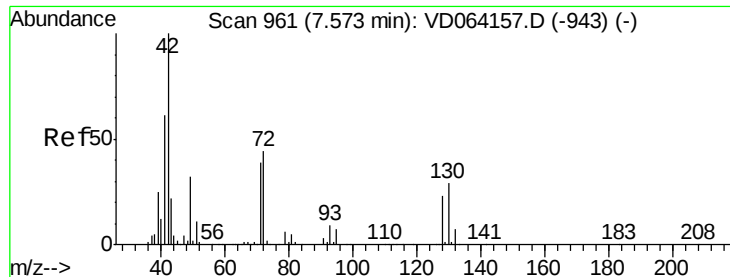
Tot Ion: 43 Resp: 2585
Ion Ratio Lower Upper
43 100
58 24.2 24.1 36.1



#25
2-Butanone
Concen: 5.354 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD064380.D
Acq: 26 Nov 2019 13:21

Tgt Ion: 43 Resp: 1346
Ion Ratio Lower Upper
43 100
72 0.0 20.6 30.8#





#29

Tetrahydrofuran

Concen: 1.145 ug/l

RT: 7.58 min Scan# 963

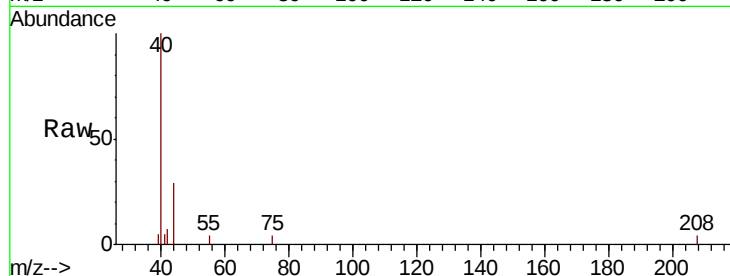
Delta R.T. 0.01 min

Lab File: VD064380.D

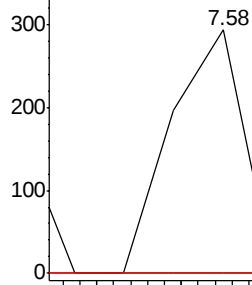
Acq: 26 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :

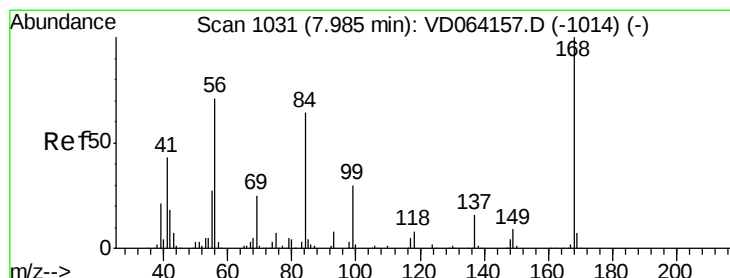
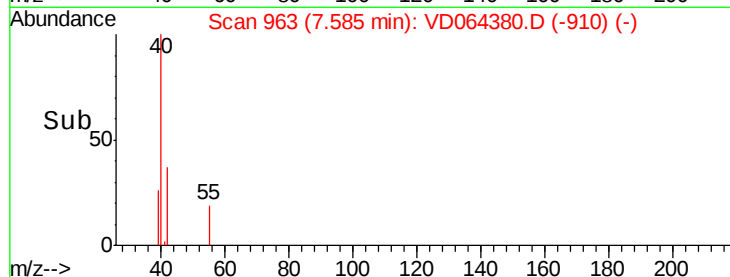
Tot Ion:	42	Resp:	173
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.4	50.2#
71	0.0	31.0	46.4#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



Time-->



#31

Cyclohexane

Concen: 1.535 ug/l

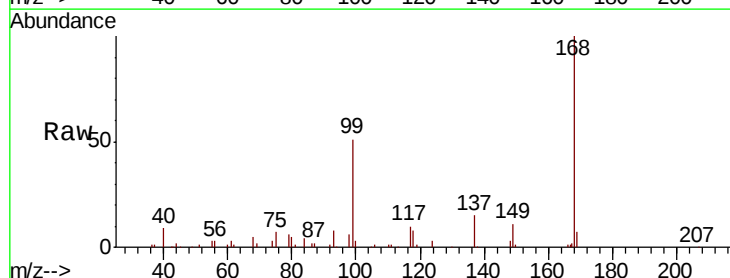
RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

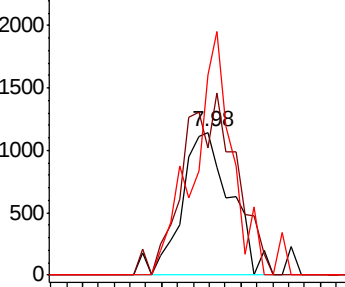
Lab File: VD064380.D

Acq: 26 Nov 2019 13:21

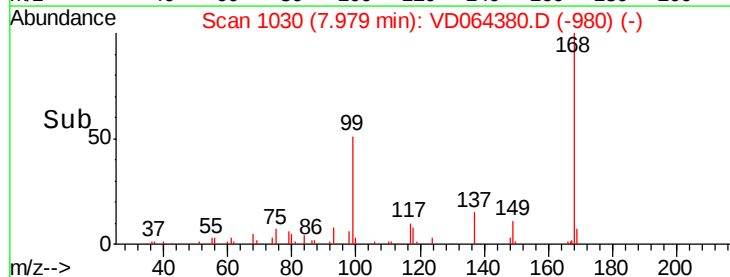
Tgt Ion:	56	Resp:	2474
Ion	Ratio	Lower	Upper
56	100		
69	88.8	28.2	42.4#
84	139.8	71.8	107.6#

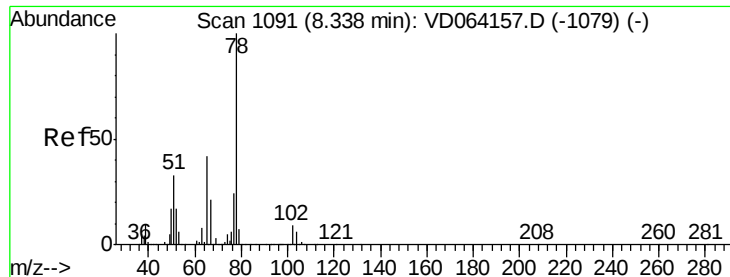


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



Time-->

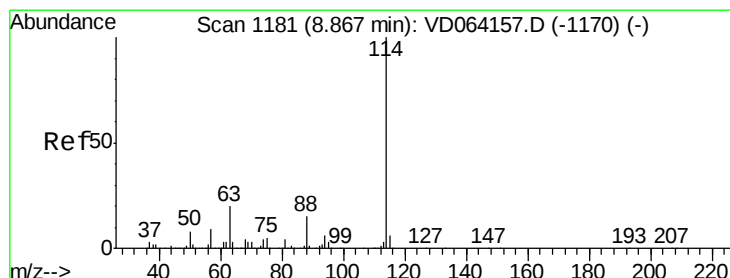
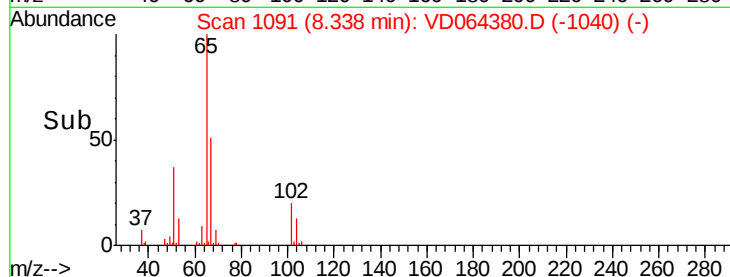
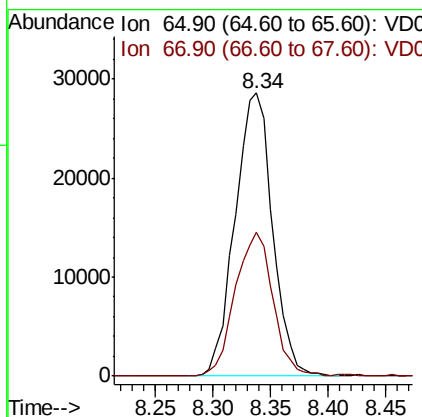
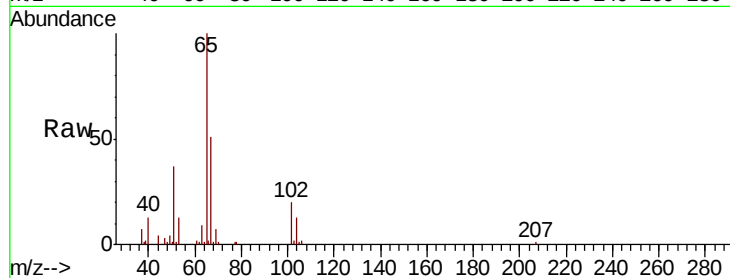




#33
 1,2-Dichloroethane-d4
 Concen: 78.416 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064380.D
 Acq: 26 Nov 2019 13:21

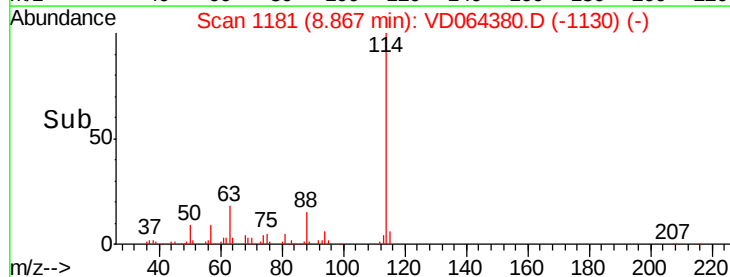
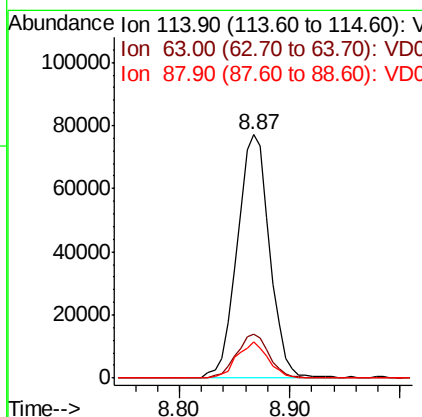
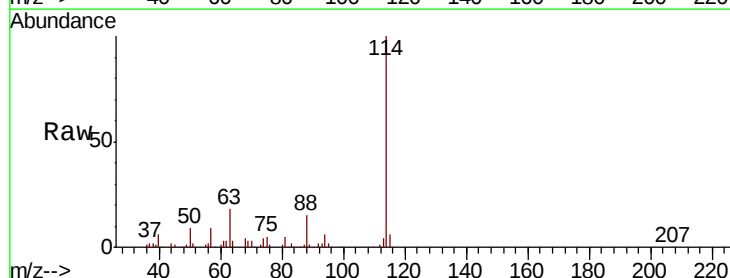
Instrument :
 MSVOA_D
 ClientSampleId :

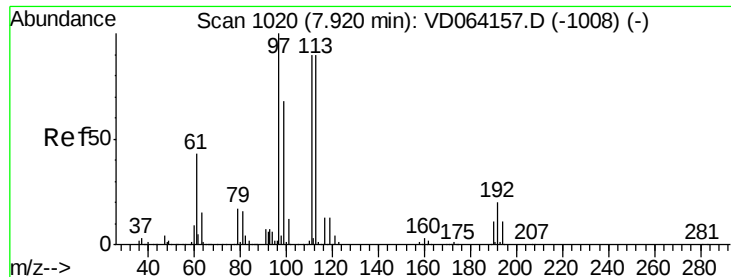
Tot Ion: 65 Resp: 64411
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064380.D
 Acq: 26 Nov 2019 13:21

Tgt Ion: 114 Resp: 158907
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 40.0
 88 15.1 0.0 30.2

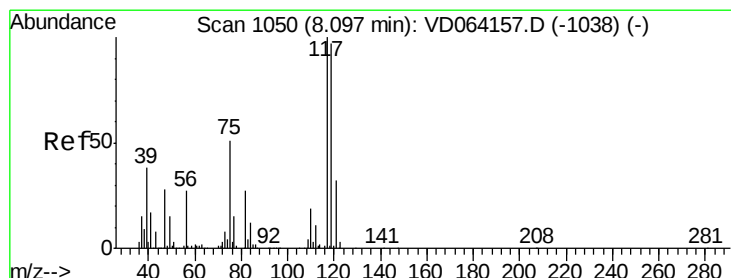
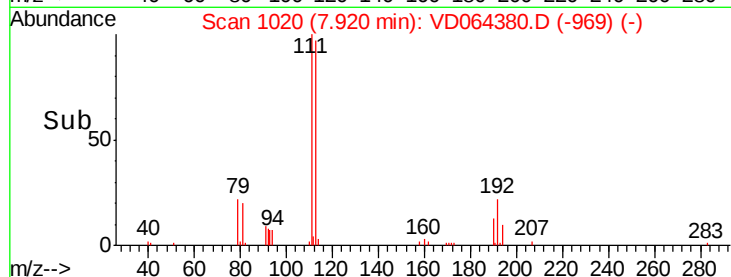
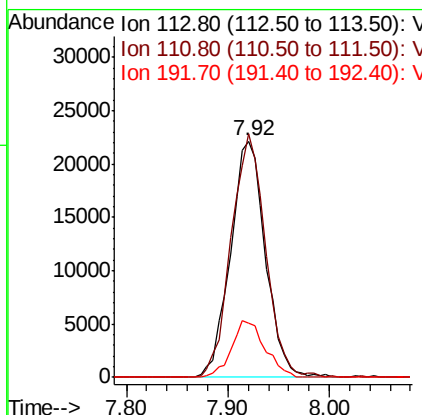
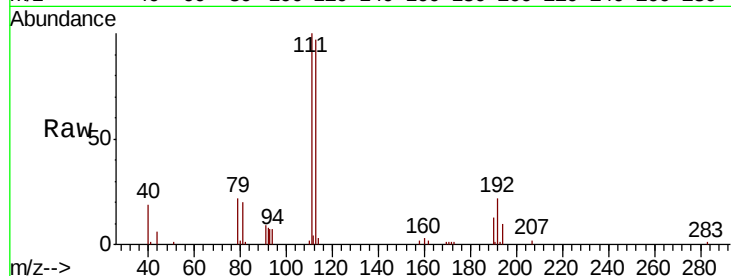




#35
 Dibromofluoromethane
 Concen: 58.155 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064380.D
 Acq: 26 Nov 2019 13:21

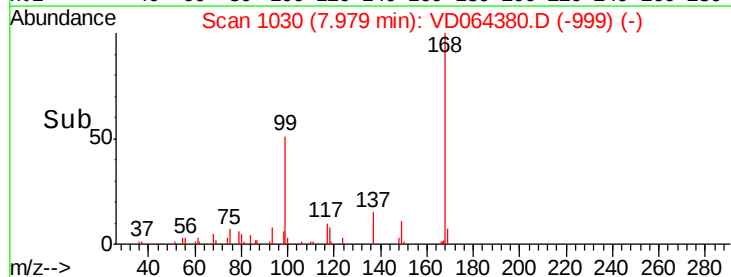
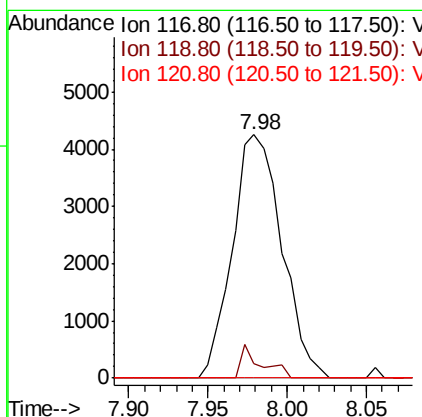
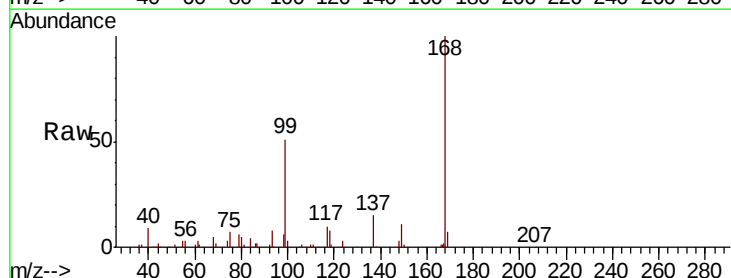
Instrument :
 MSVOA_D
 ClientSampleId :

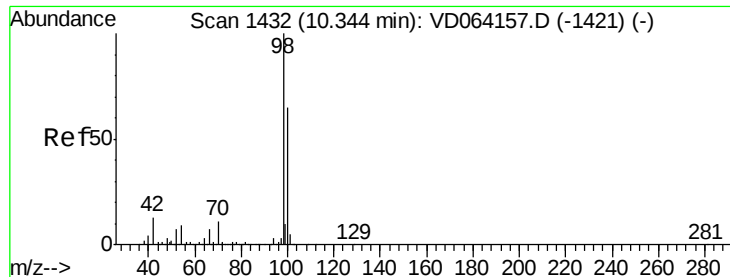
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.5	122.3
192	23.1	18.8	28.2



#38
 Carbon Tetrachloride
 Concen: 5.882 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD064380.D
 Acq: 26 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	77.2	115.8#
121	0.0	25.5	38.3#





#50

Toluene-d8

Concen: 54.682 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064380.D

Acq: 26 Nov 2019 13:21

Instrument :

MSVOA_D

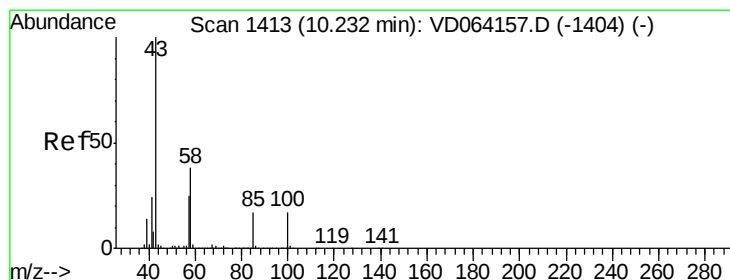
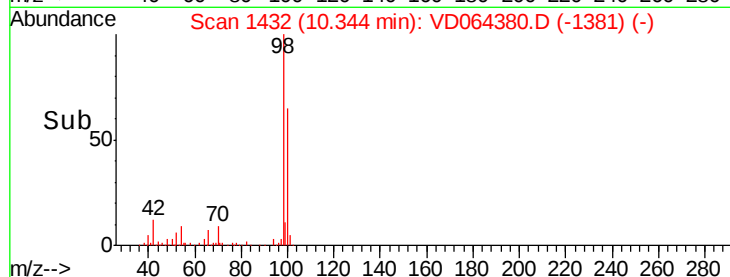
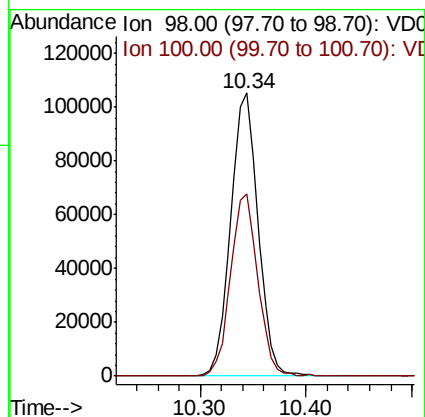
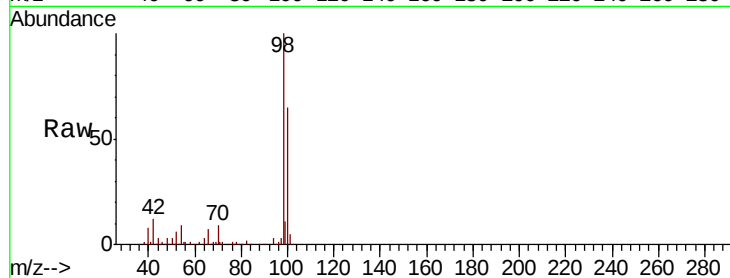
ClientSampleId :

Tot Ion: 98 Resp: 188161

Ion Ratio Lower Upper

98 100

100 64.0 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 1.053 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064380.D

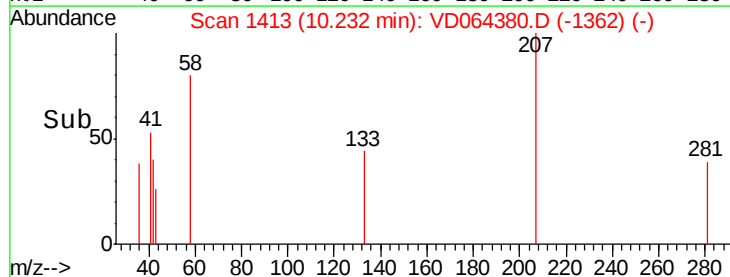
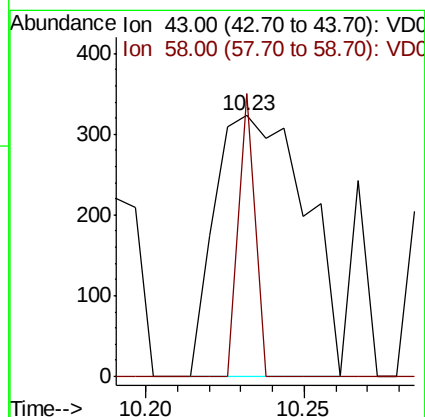
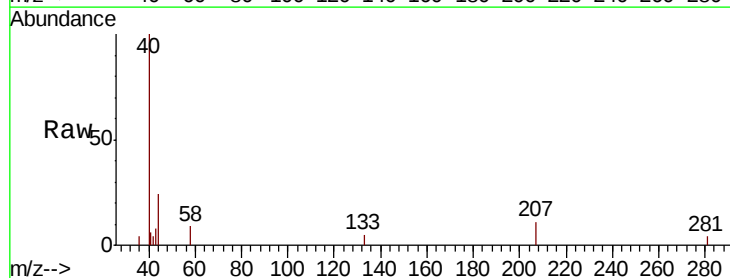
Acq: 26 Nov 2019 13:21

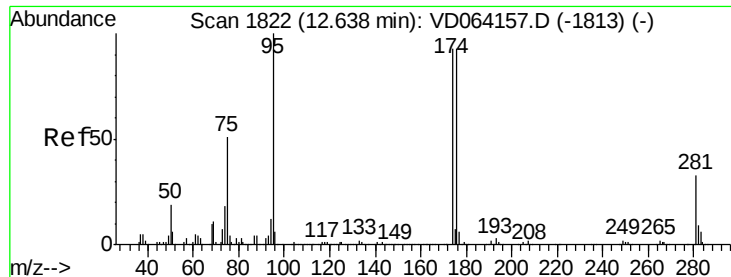
Tgt Ion: 43 Resp: 643

Ion Ratio Lower Upper

43 100

58 19.3 30.2 45.4#

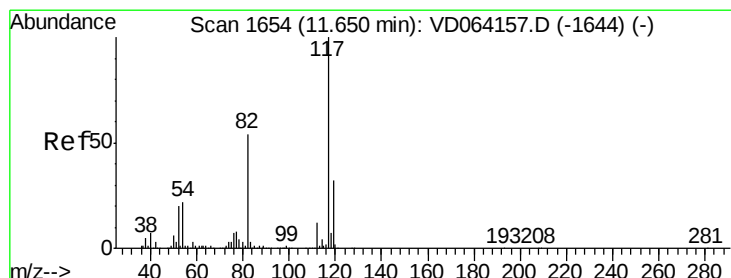
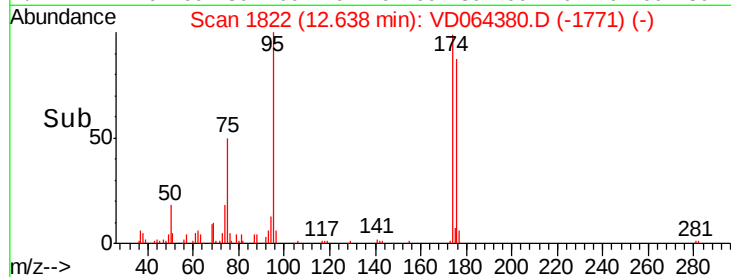
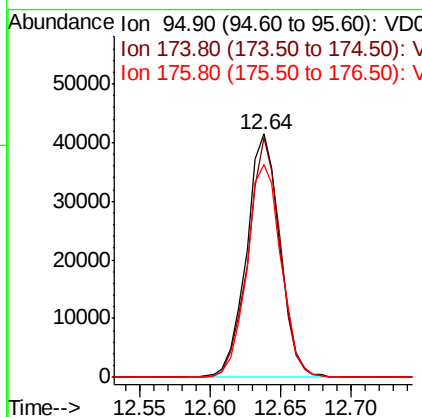
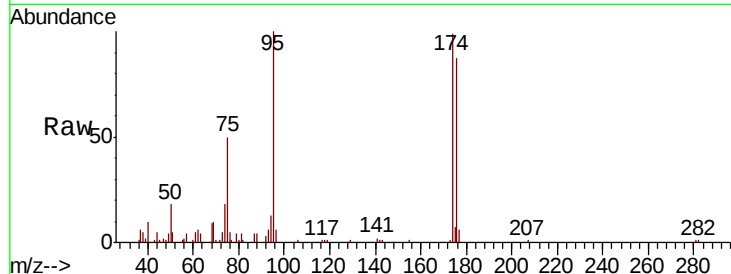




#62
4-Bromofluorobenzene
Concen: 57.713 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064380.D
Acq: 26 Nov 2019 13:21

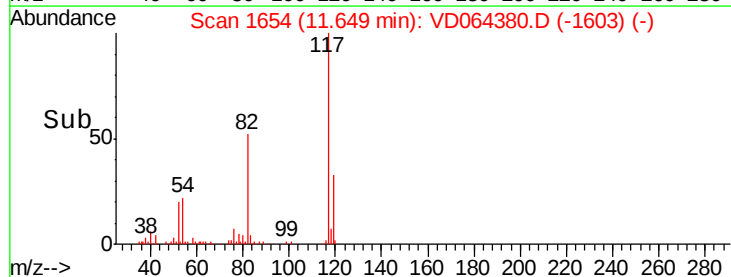
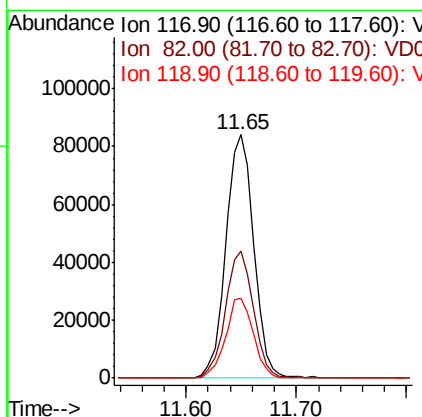
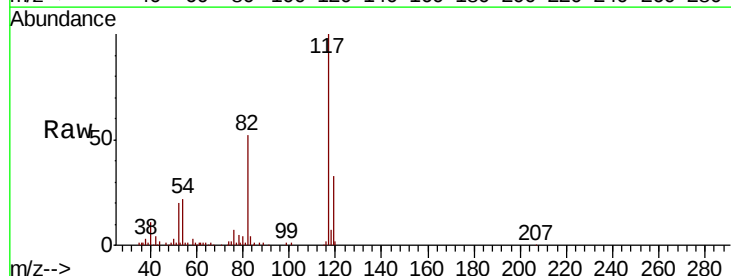
Instrument :
MSVOA_D
ClientSampleId :

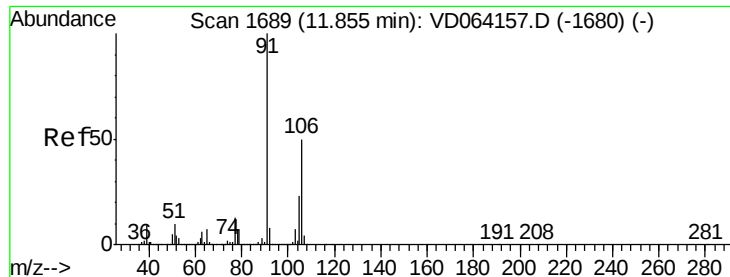
Tot Ion: 95 Resp: 68774
Ion Ratio Lower Upper
95 100
174 94.5 0.0 183.6
176 89.7 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064380.D
Acq: 26 Nov 2019 13:21

Tgt Ion: 117 Resp: 148709
Ion Ratio Lower Upper
117 100
82 52.3 42.8 64.2
119 32.8 25.6 38.4





#68

m/p-Xvlenes

Concen: 1.364 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064380.D

Acq: 26 Nov 2019 13:21

Instrument :

MSVOA_D

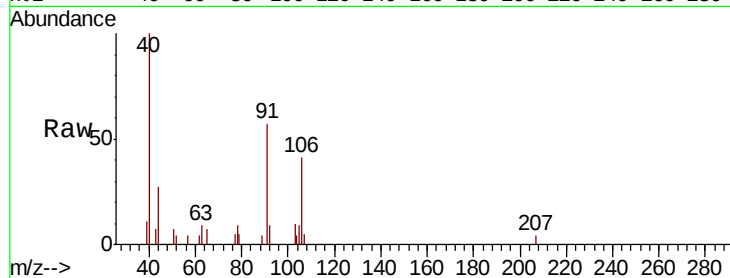
ClientSampleId :

Tot Ion:106 Resp: 2860

Ion Ratio Lower Upper

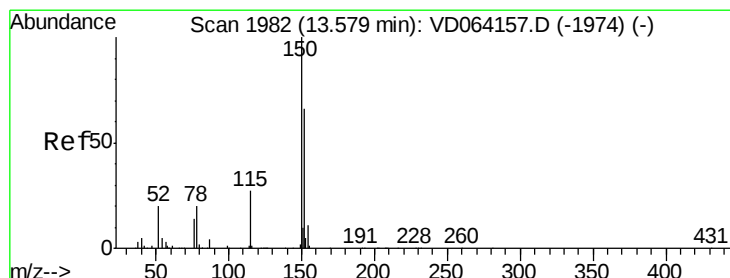
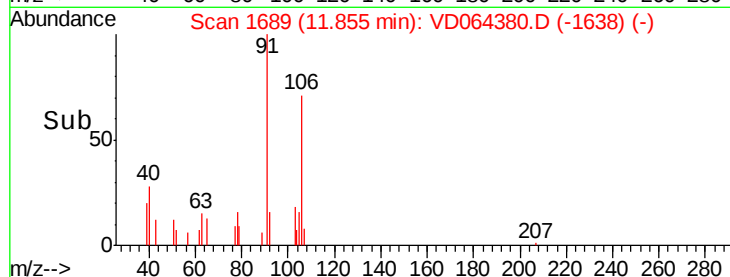
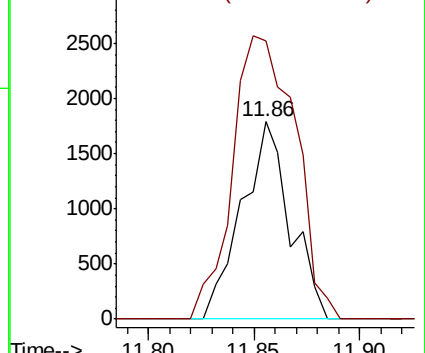
106 100

91 185.0 160.3 240.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): 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: VD064380.D

Acq: 26 Nov 2019 13:21

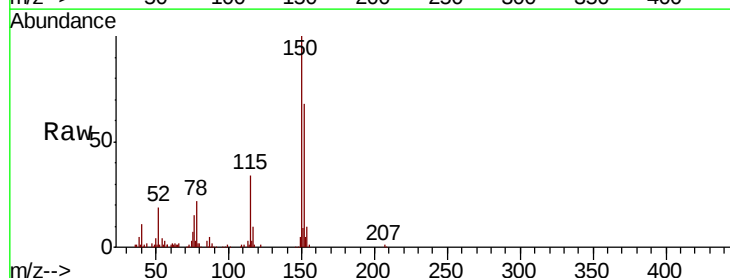
Tgt Ion:152 Resp: 78996

Ion Ratio Lower Upper

152 100

115 53.8 27.4 82.2

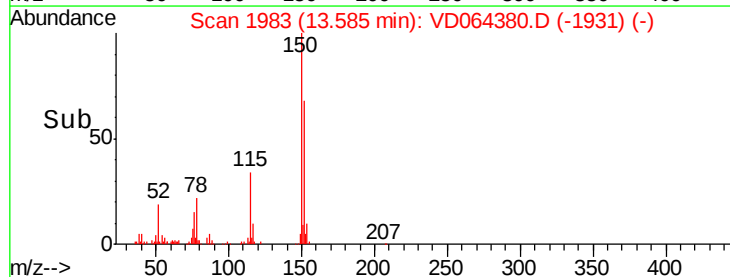
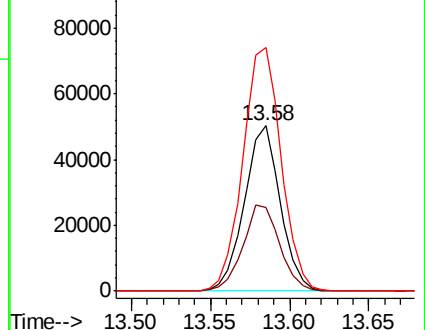
150 157.4 0.0 351.6

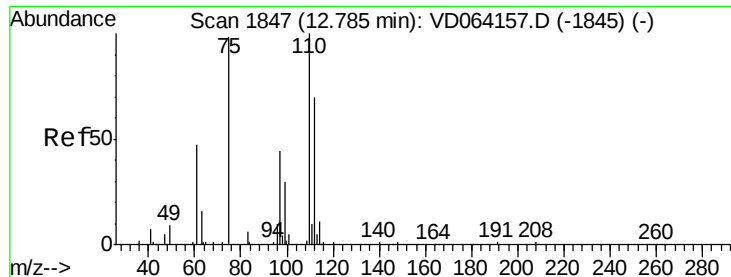


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 55.714 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064380.D

Acq: 26 Nov 2019 13:21

Instrument :

MSVOA_D

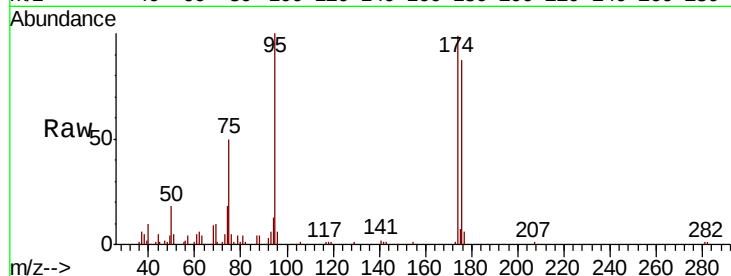
ClientSampleId :

Tot Ion: 75 Resp: 35450

Ion Ratio Lower Upper

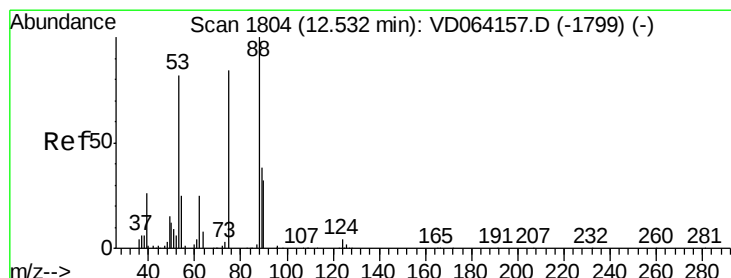
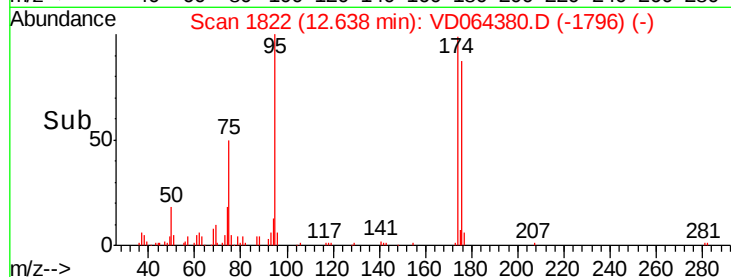
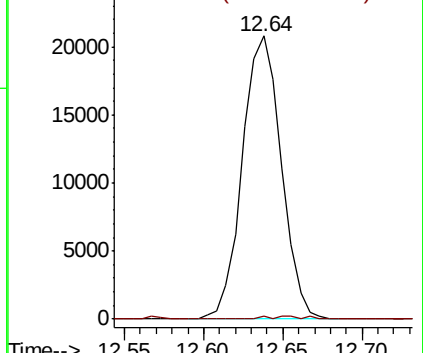
75 100

77 0.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 110.669 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064380.D

Acq: 26 Nov 2019 13:21

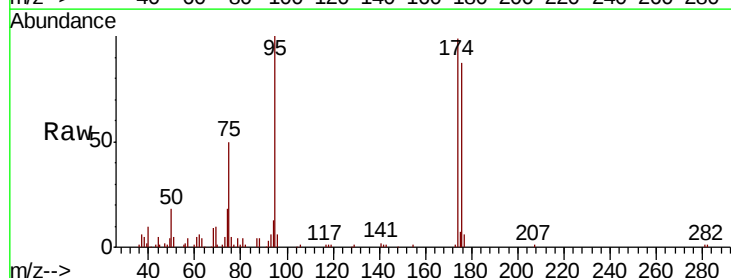
Tgt Ion: 75 Resp: 35450

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

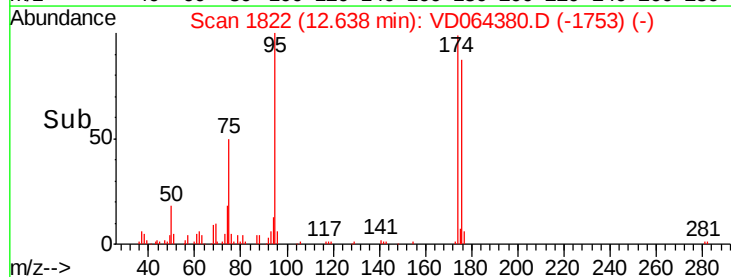
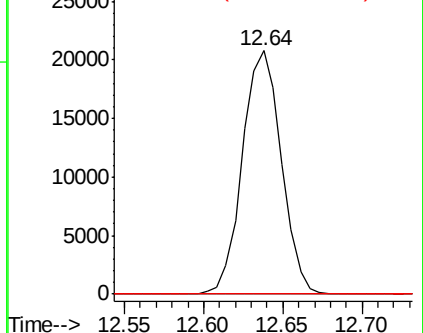
89 0.0 36.6 55.0#

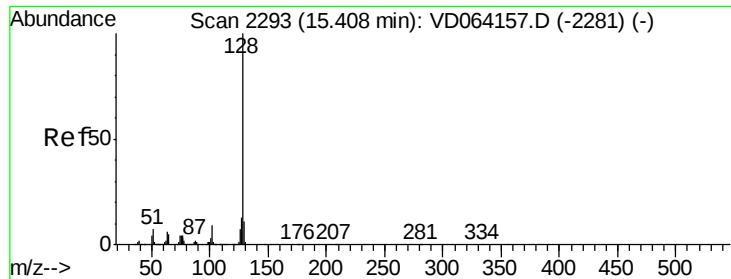


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 1.121 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064380.D

Acq: 26 Nov 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

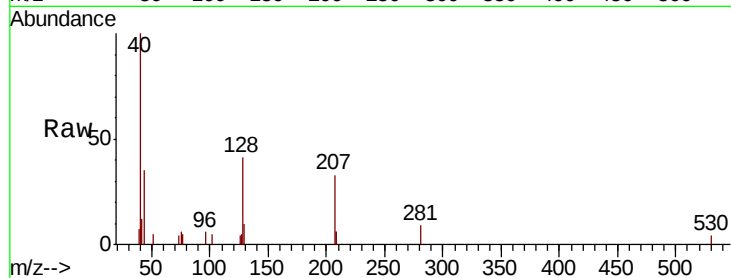
Tot Ion:128 Resp: 3137

Ion Ratio Lower Upper

128 100

127 10.6 10.5 15.7

129 11.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

