

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064269.D
 Acq On : 18 Nov 2019 17:26
 Operator : VA/SY
 Sample : K5839-04RE
 Misc : 3.90G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 19 04:39:18 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	144457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	218196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	209202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	111558	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	87968	74.04	ug/l	0.00
Spiked Amount			Recovery	=	148.08%	
35) Dibromofluoromethane	7.91	113	71865	57.38	ug/l	0.00
Spiked Amount			Recovery	=	114.76%	
50) Toluene-d8	10.34	98	260124	55.05	ug/l	0.00
Spiked Amount			Recovery	=	110.10%	
62) 4-Bromofluorobenzene	12.64	95	96376	58.90	ug/l	0.00
Spiked Amount			Recovery	=	117.80%	

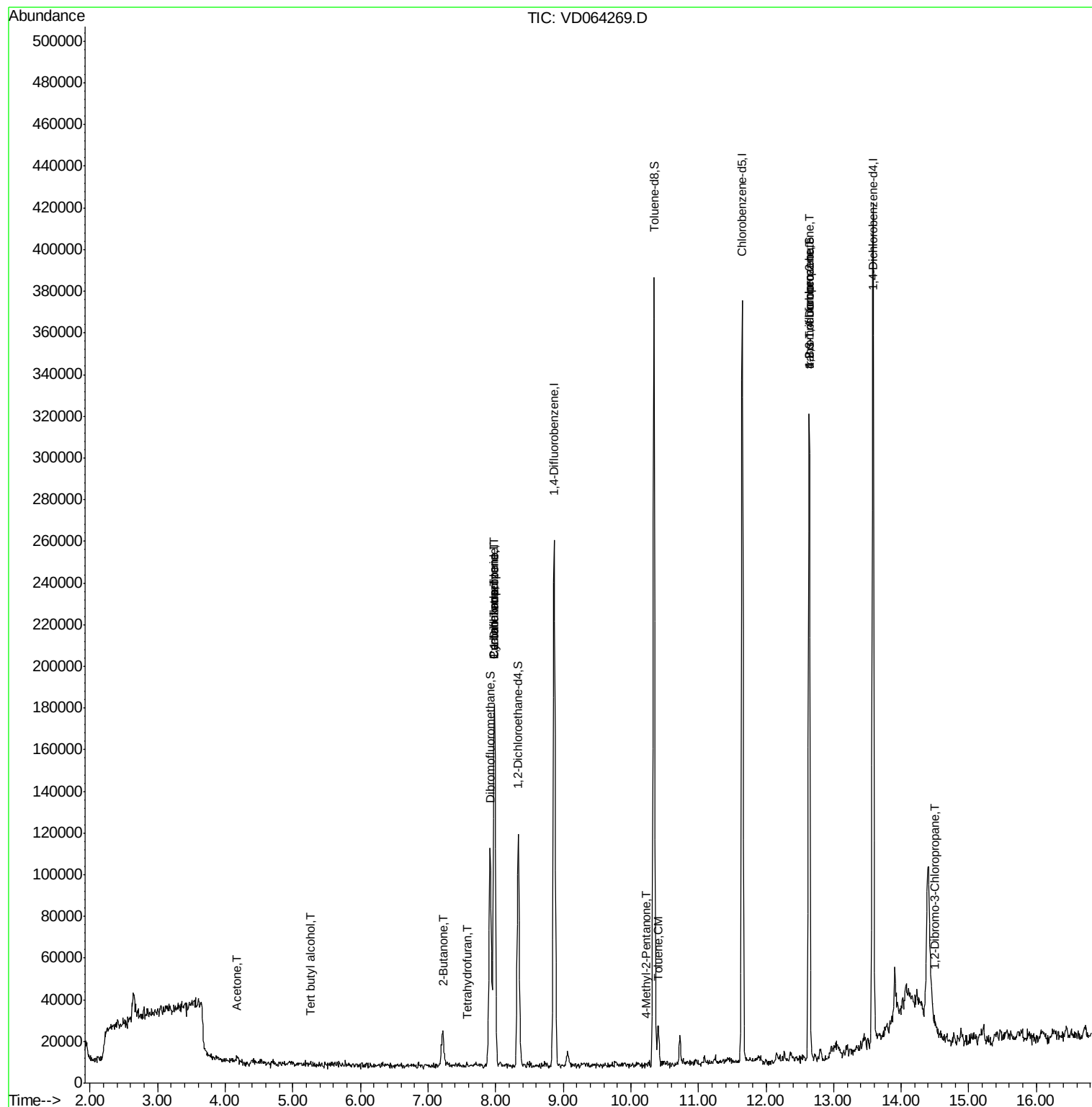
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.26	59	233	2.808	ug/l #	1
16) Acetone	4.16	43	4348	15.448	ug/l #	62
25) 2-Butanone	7.22	43	950	2.613	ug/l #	49
29) Tetrahydrofuran	7.58	42	270	1.236	ug/l #	52
31) Cyclohexane	7.98	56	3158	1.354	ug/l #	22
36) 1,1-Dichloropropene	7.98	75	10249	5.089	ug/l #	46
38) Carbon Tetrachloride	7.98	117	12633	5.863	ug/l #	19
51) 4-Methyl-2-Pentanone	10.22	43	1220	1.454	ug/l #	48
52) Toluene	10.41	92	7630	2.108	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	48865	54.381	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	48865	108.022	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.49	75	231	1.047	ug/l #	1

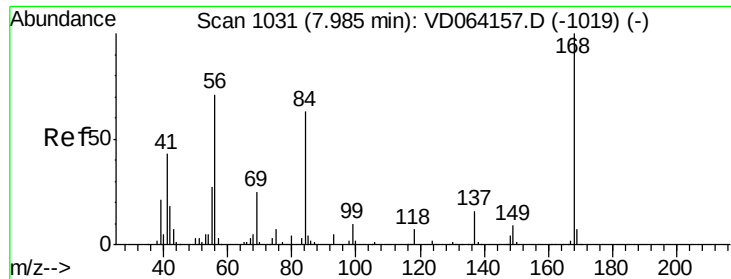
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111819\
Data File : VD064269.D
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Quant Time: Nov 19 04:39:18 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: VD064269.D

Acq: 18 Nov 2019 17:26

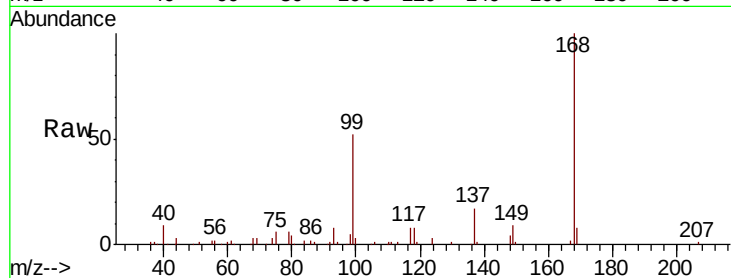
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 144457

Ion Ratio Lower Upper

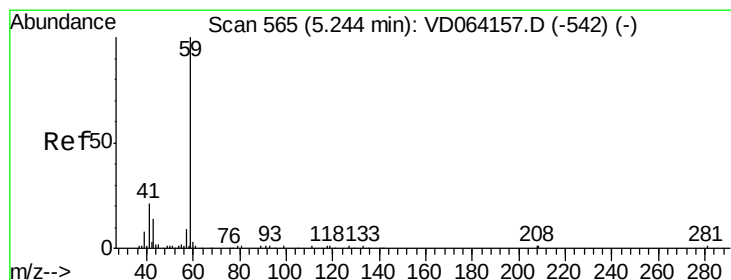
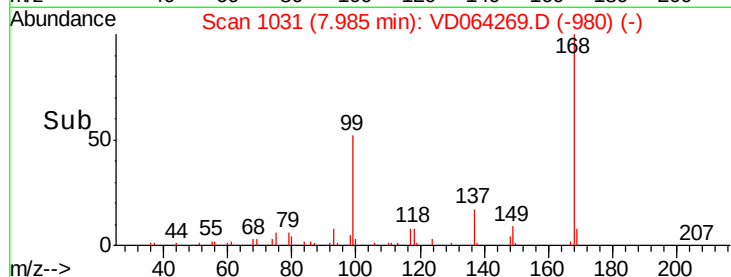
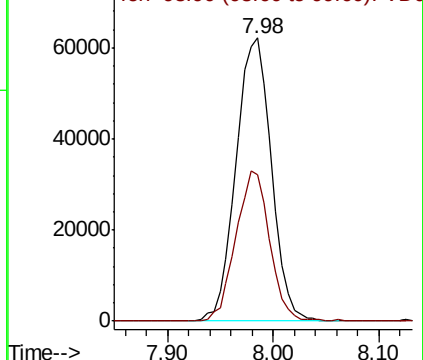
168 100

99 51.7 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 2.808 ug/l

RT: 5.26 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD064269.D

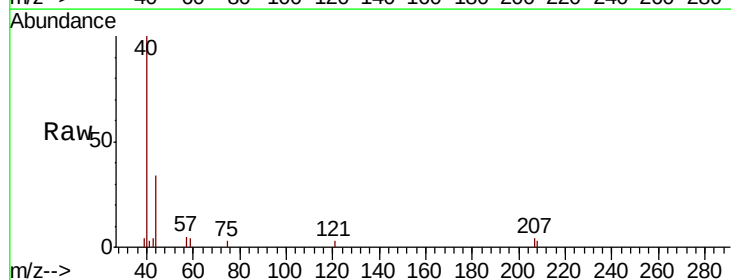
Acq: 18 Nov 2019 17:26

Tgt Ion: 59 Resp: 233

Ion Ratio Lower Upper

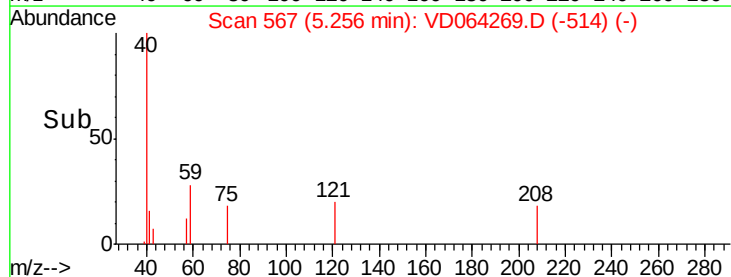
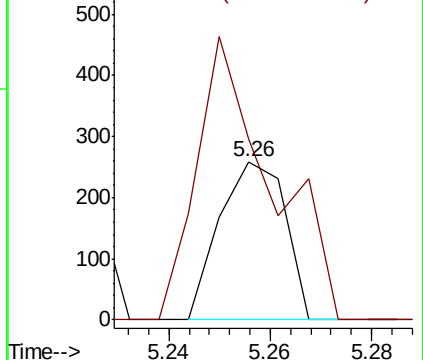
59 100

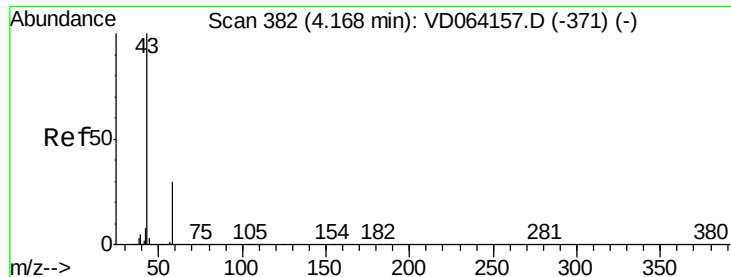
57 202.6 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

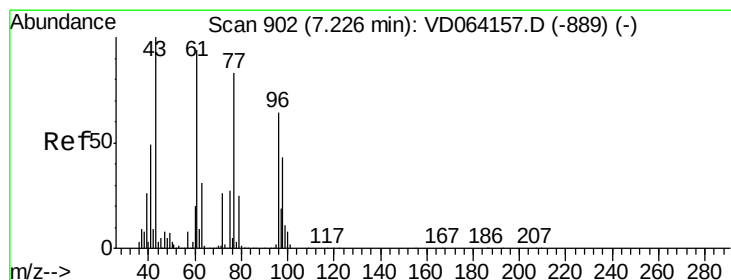
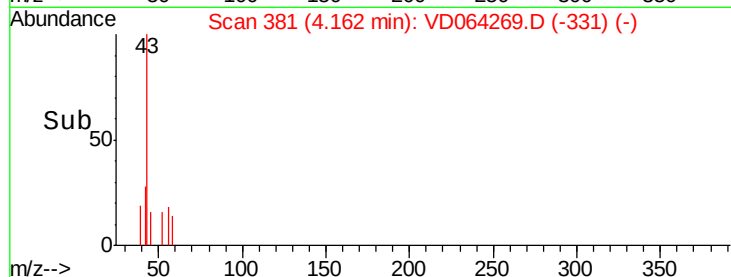
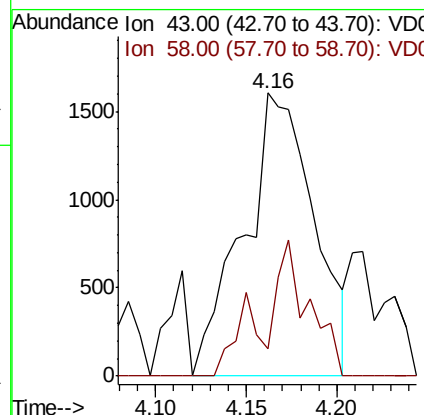
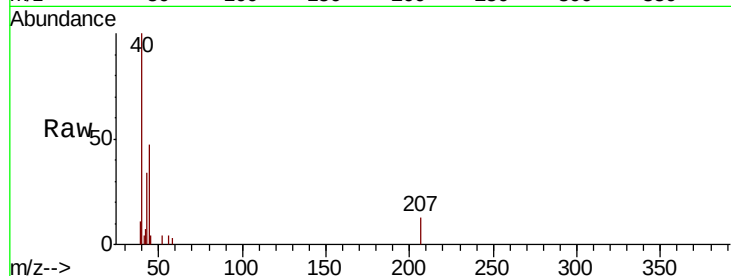




#16
Acetone
Concen: 15.448 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD064269.D
Acq: 18 Nov 2019 17:26

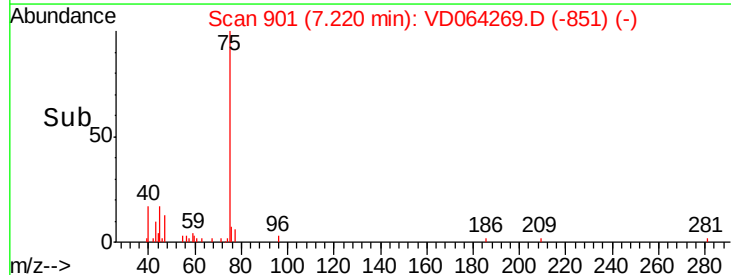
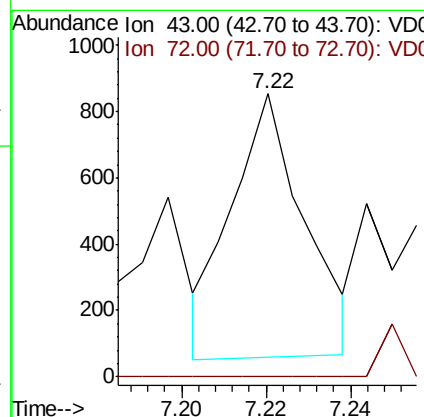
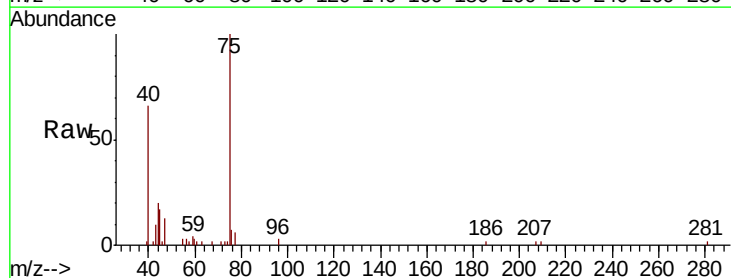
Instrument :
MSVOA_D
ClientSampleId :

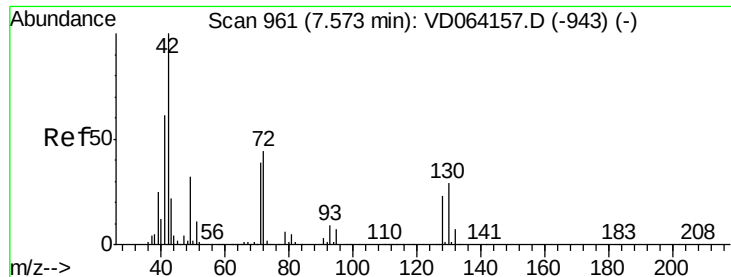
Tot Ion: 43 Resp: 4348
Ion Ratio Lower Upper
43 100
58 9.7 24.1 36.1#



#25
2-Butanone
Concen: 2.613 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD064269.D
Acq: 18 Nov 2019 17:26

Tgt Ion: 43 Resp: 950
Ion Ratio Lower Upper
43 100
72 0.0 20.6 30.8#

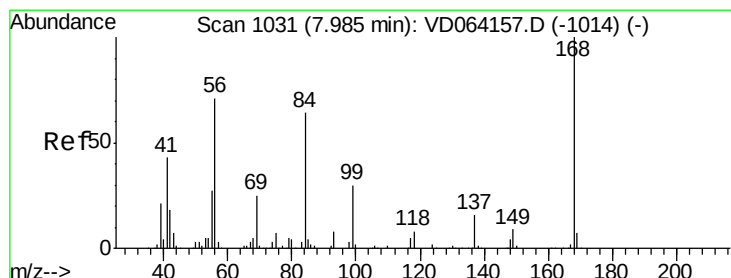
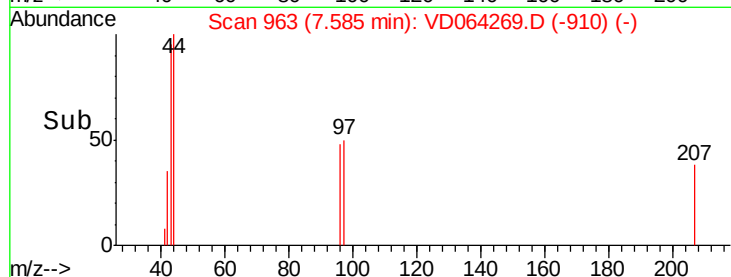
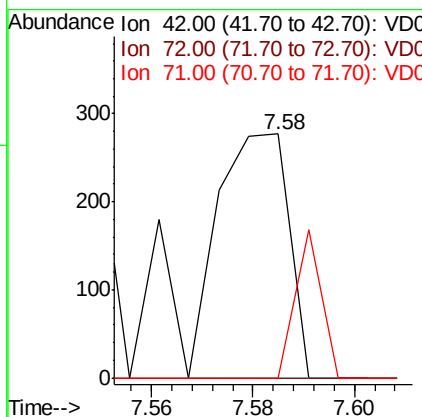
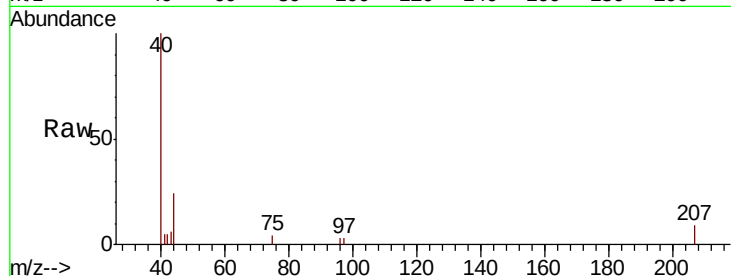




#29
Tetrahydrofuran
Concen: 1.236 ug/l
RT: 7.58 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD064269.D
Acq: 18 Nov 2019 17:26

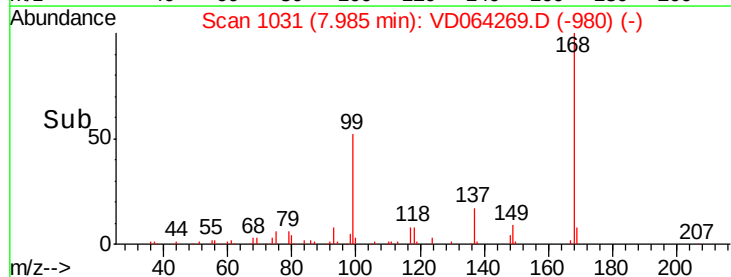
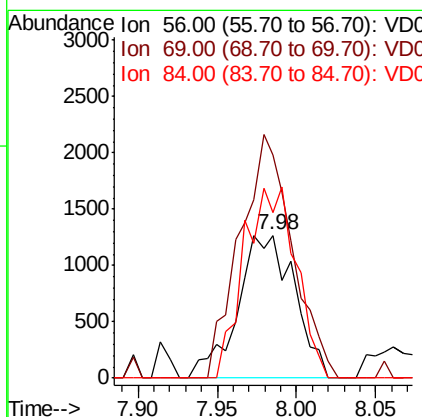
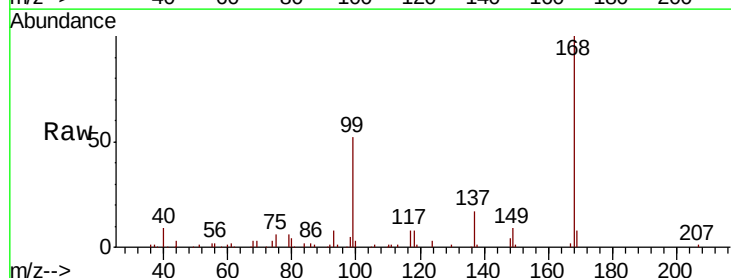
Instrument :
MSVOA_D
ClientSampleId :

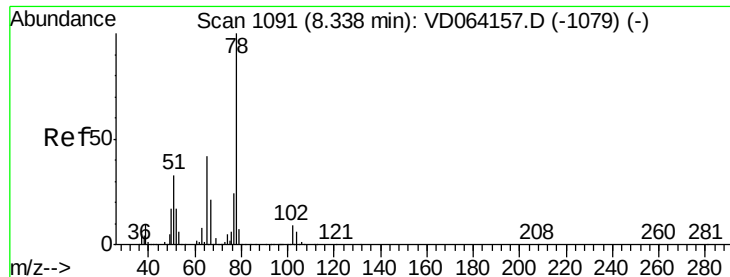
Tot Ion: 42 Resp: 270
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.2#
71 21.9 31.0 46.4#



#31
Cyclohexane
Concen: 1.354 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064269.D
Acq: 18 Nov 2019 17:26

Tgt Ion: 56 Resp: 3158
Ion Ratio Lower Upper
56 100
69 156.0 28.2 42.4#
84 115.4 71.8 107.6#

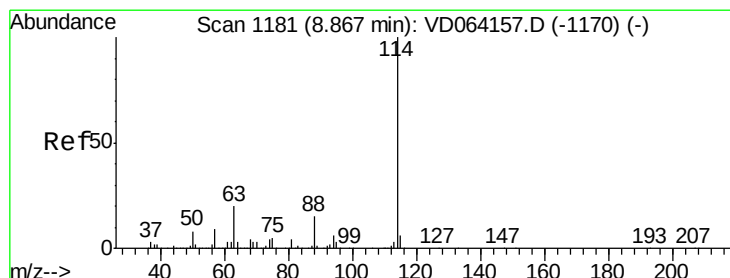
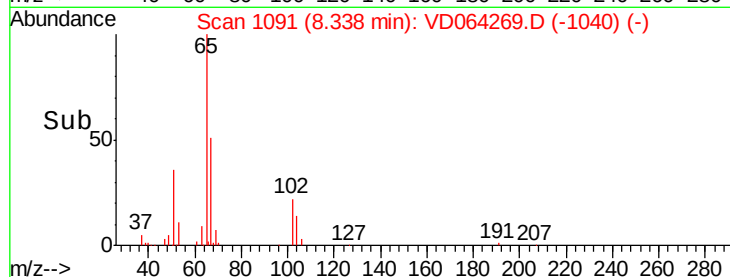
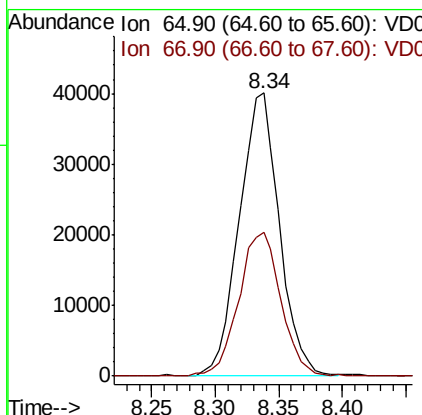
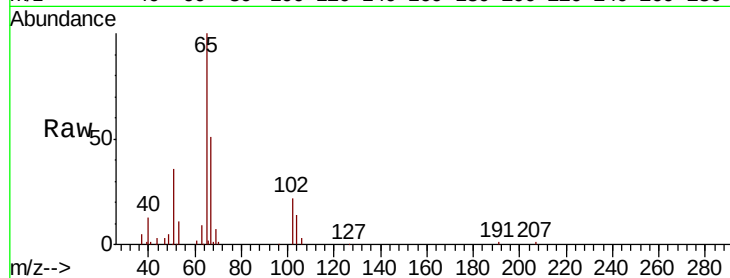




#33
 1,2-Dichloroethane-d4
 Concen: 74.043 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064269.D
 Acq: 18 Nov 2019 17:26

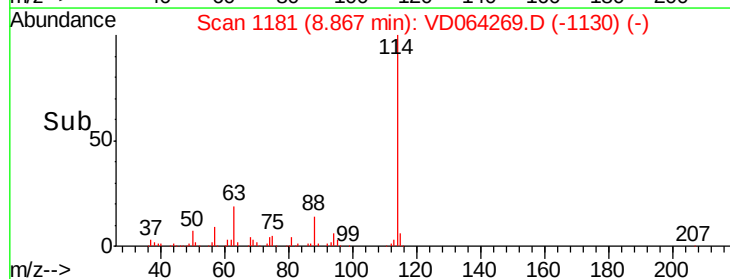
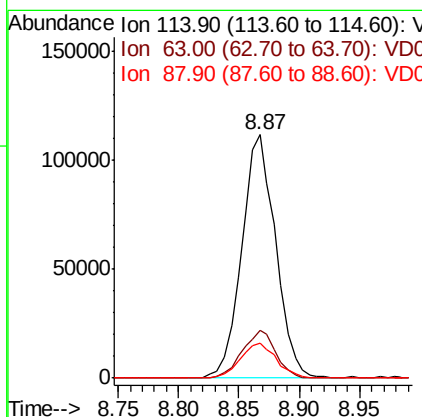
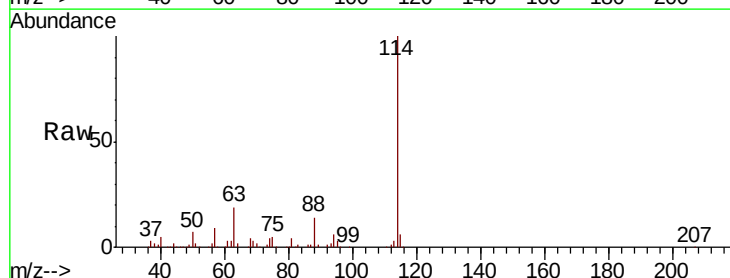
Instrument :
 MSVOA_D
 ClientSampleId :

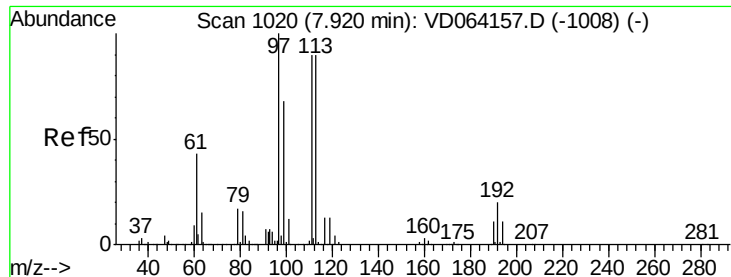
Tot Ion: 65 Resp: 87968
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064269.D
 Acq: 18 Nov 2019 17:26

Tgt Ion: 114 Resp: 218196
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 14.3 0.0 30.2

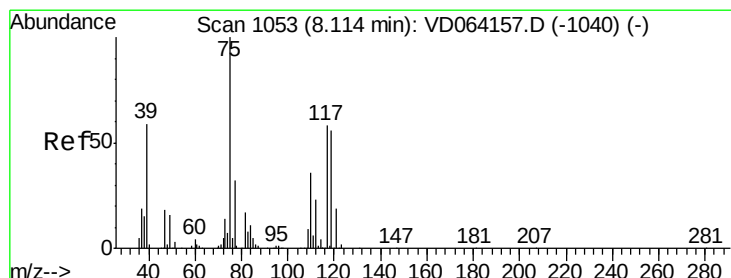
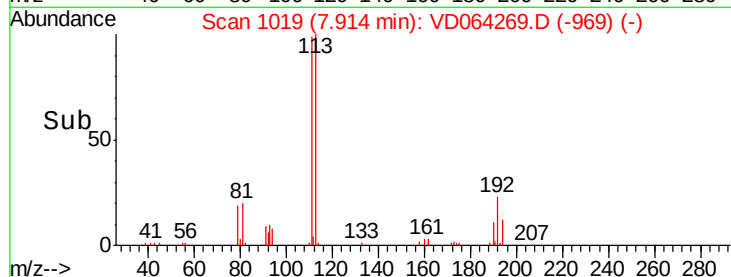
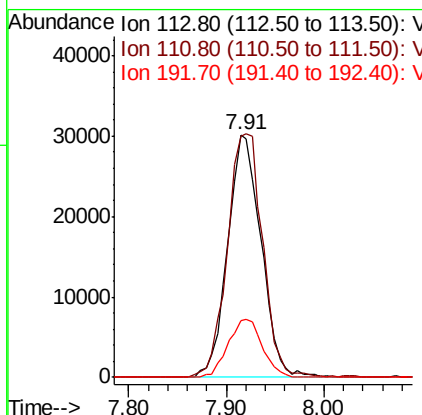
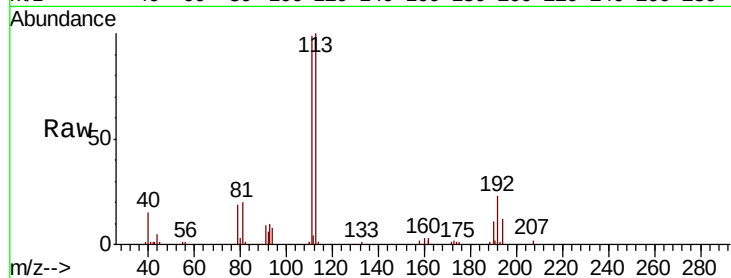




#35
 Dibromofluoromethane
 Concen: 57.378 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064269.D
 Acq: 18 Nov 2019 17:26

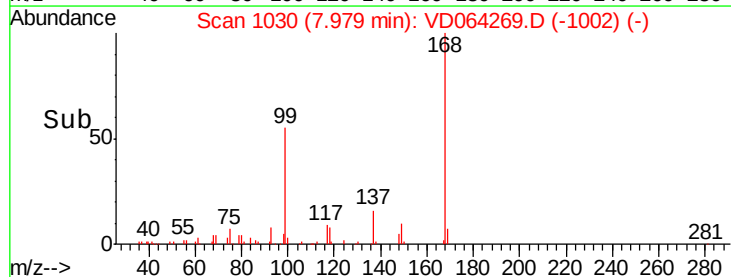
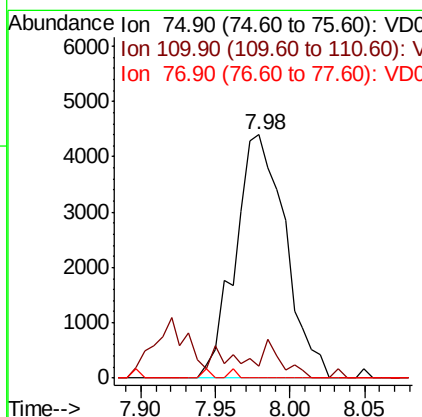
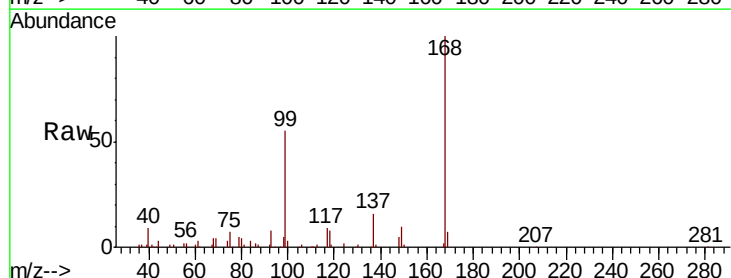
Instrument :
 MSVOA_D
 ClientSampleId :

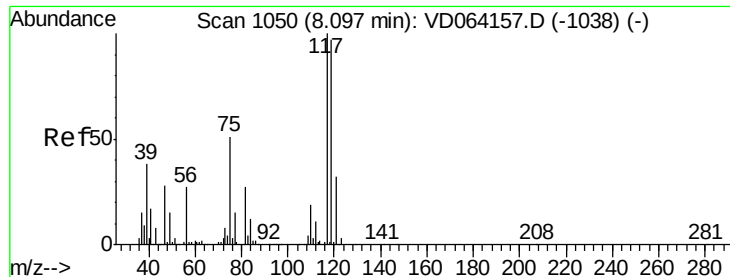
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.6	81.5	122.3
192	24.4	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 5.089 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064269.D
 Acq: 18 Nov 2019 17:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.7	18.3	54.9#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.863 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064269.D

Acq: 18 Nov 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

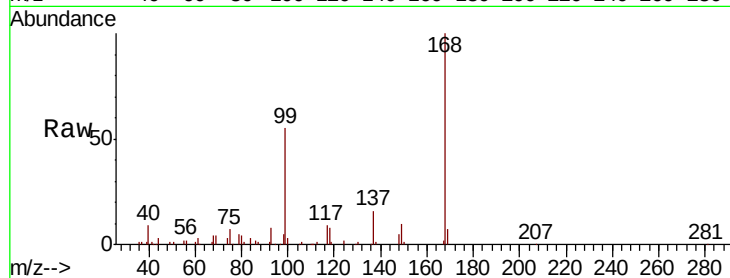
Tot Ion:117 Resp: 12633

Ion Ratio Lower Upper

117 100

119 9.5 77.2 115.8#

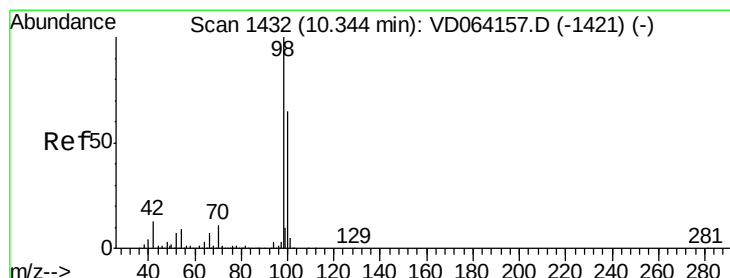
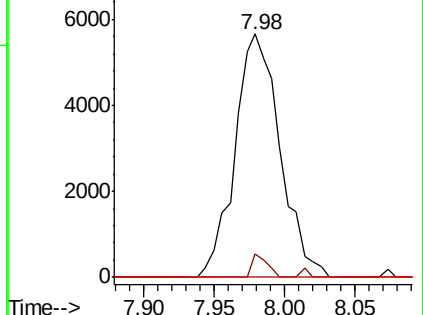
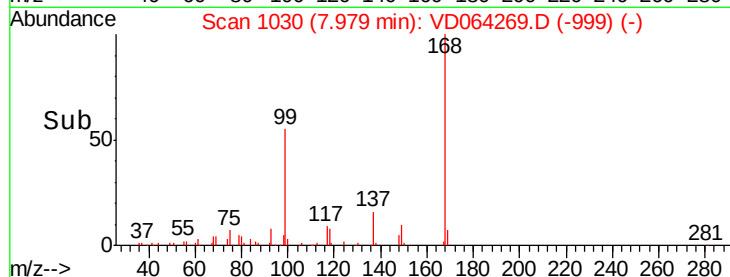
121 0.0 25.5 38.3#



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: 55.054 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064269.D

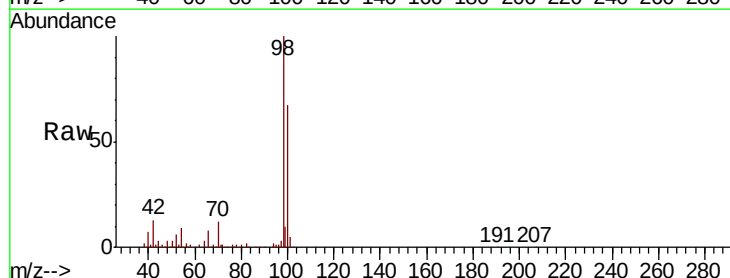
Acq: 18 Nov 2019 17:26

Tgt Ion: 98 Resp: 260124

Ion Ratio Lower Upper

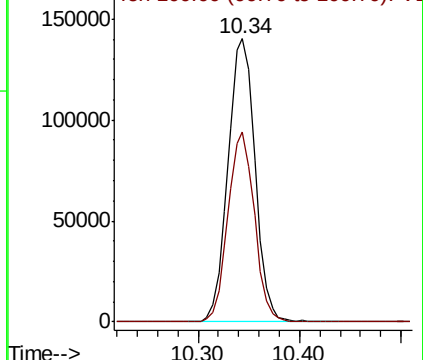
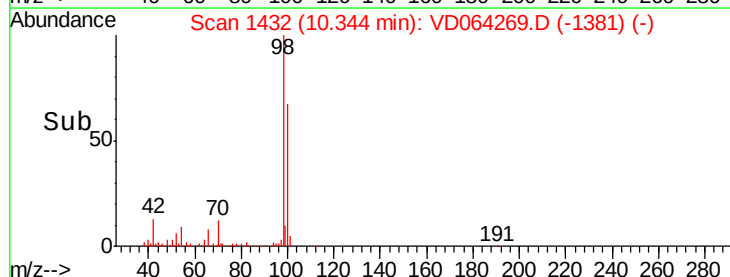
98 100

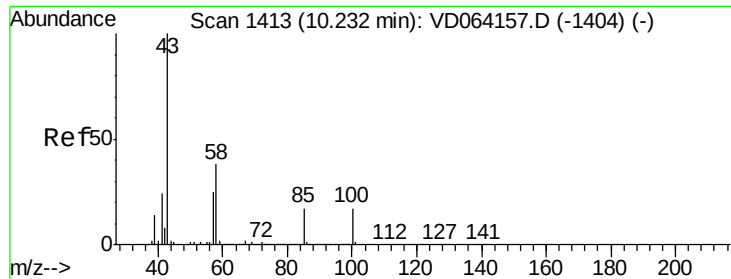
100 65.5 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

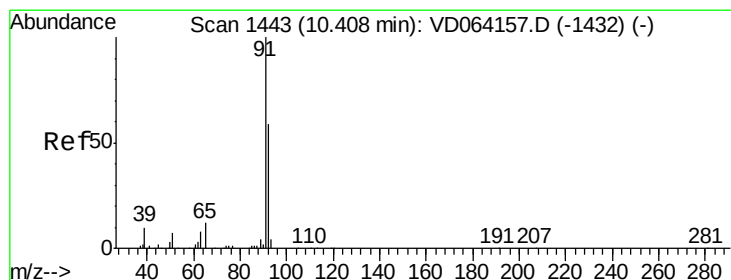
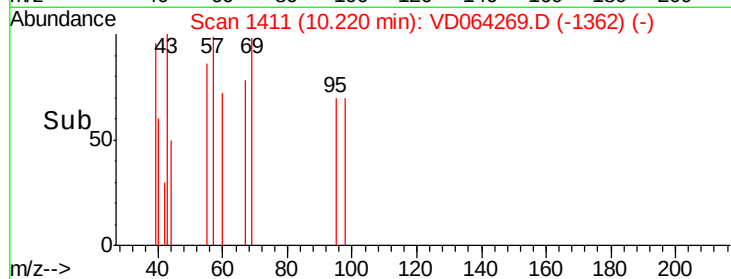
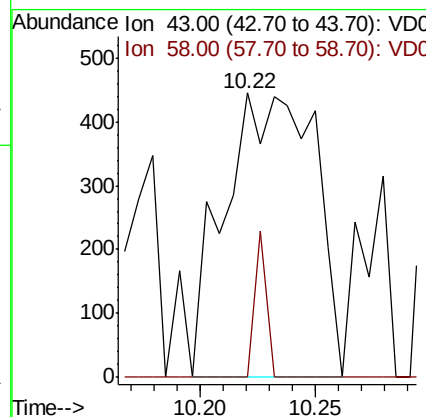
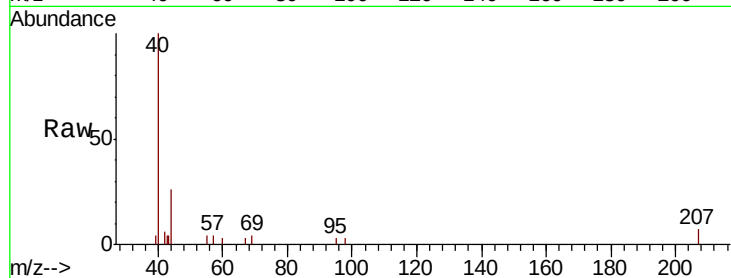




#51
 4-Methyl-2-Pentanone
 Concen: 1.454 ug/l
 RT: 10.22 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: VD064269.D
 Acq: 18 Nov 2019 17:26

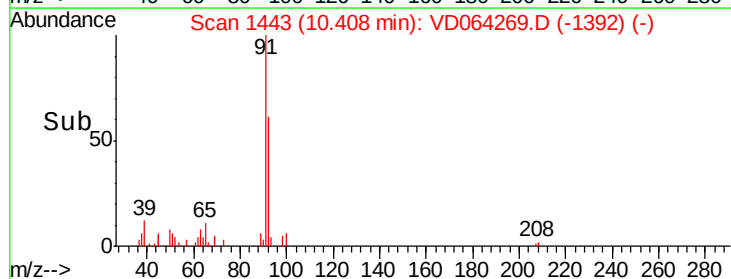
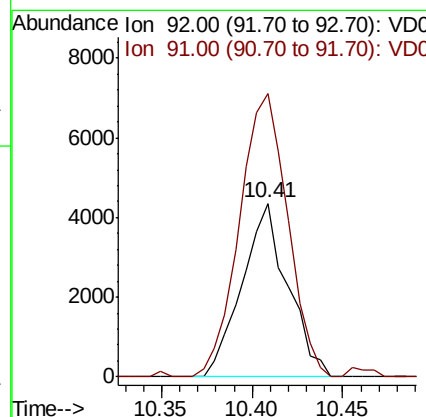
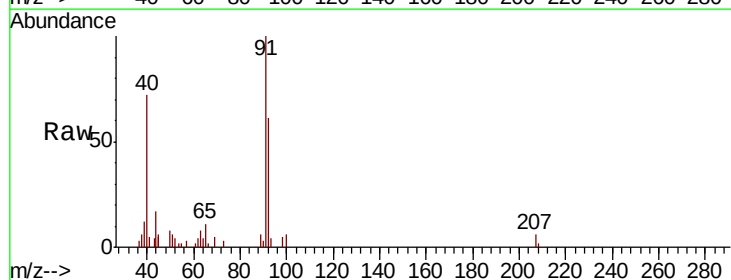
Instrument :
 MSVOA_D
 ClientSampleId :

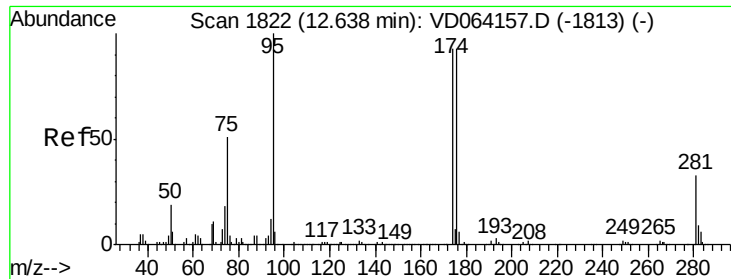
Tot Ion: 43 Resp: 1220
 Ion Ratio Lower Upper
 43 100
 58 6.6 30.2 45.4#



#52
 Toluene
 Concen: 2.108 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD064269.D
 Acq: 18 Nov 2019 17:26

Tgt Ion: 92 Resp: 7630
 Ion Ratio Lower Upper
 92 100
 91 172.2 136.4 204.6





#62

4-Bromofluorobenzene

Concen: 58.900 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064269.D

Acq: 18 Nov 2019 17:26

Instrument :

MSVOA_D

ClientSampled :

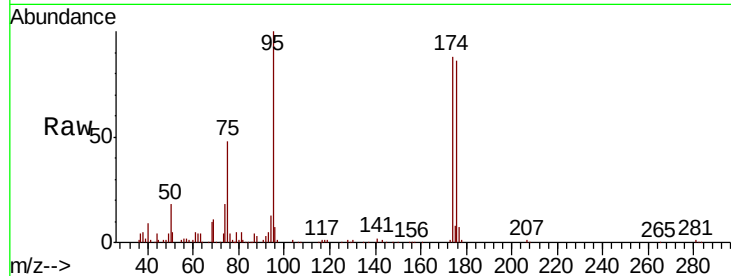
Tot Ion: 95 Resp: 96376

Ion Ratio Lower Upper

95 100

174 94.9 0.0 183.6

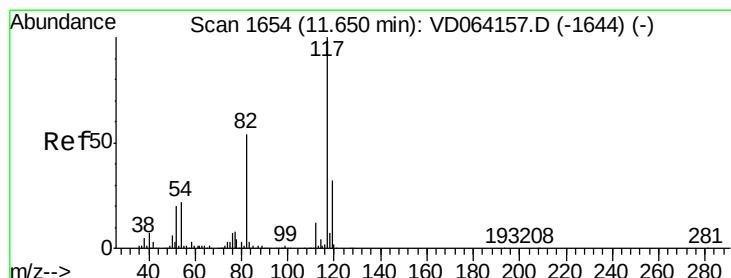
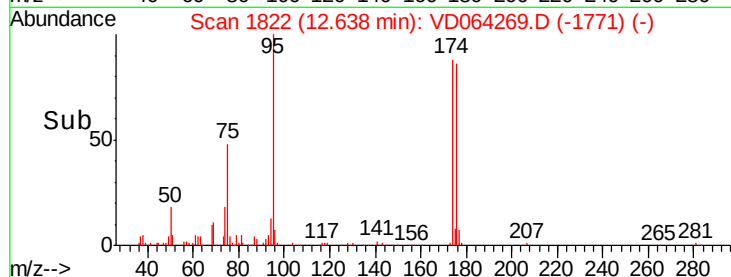
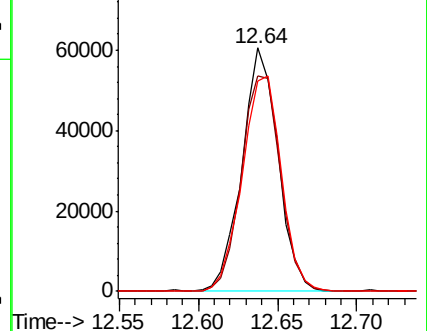
176 95.2 0.0 180.2



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: VD064269.D

Acq: 18 Nov 2019 17:26

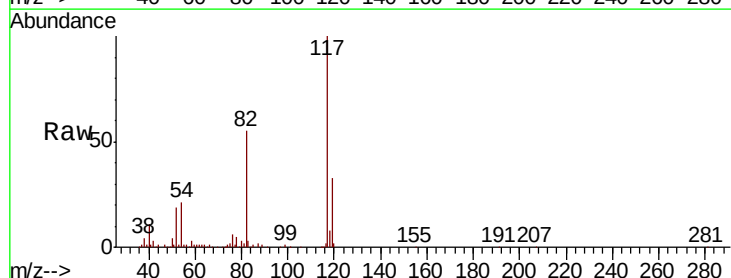
Tgt Ion: 117 Resp: 209202

Ion Ratio Lower Upper

117 100

82 54.6 42.8 64.2

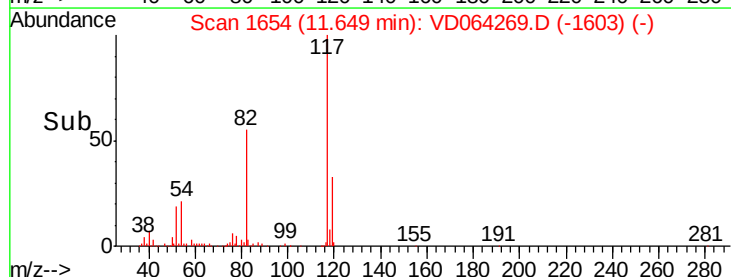
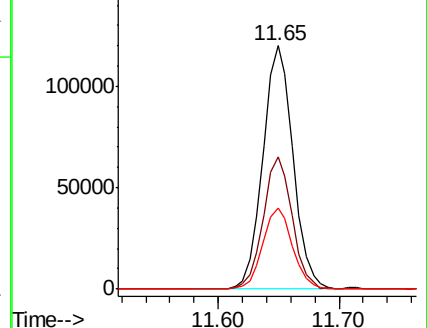
119 33.1 25.6 38.4

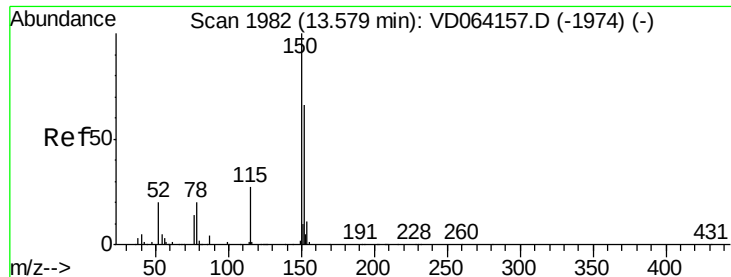


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD064269.D

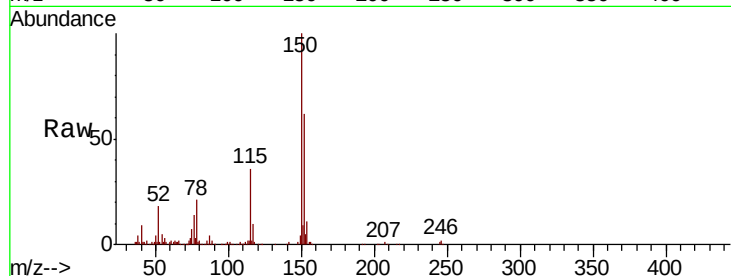
Acq: 18 Nov 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

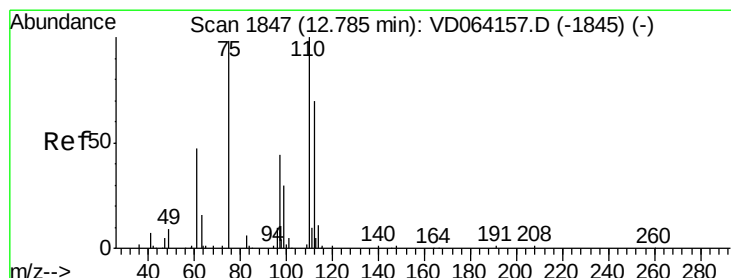
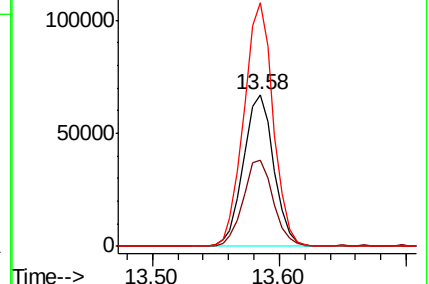
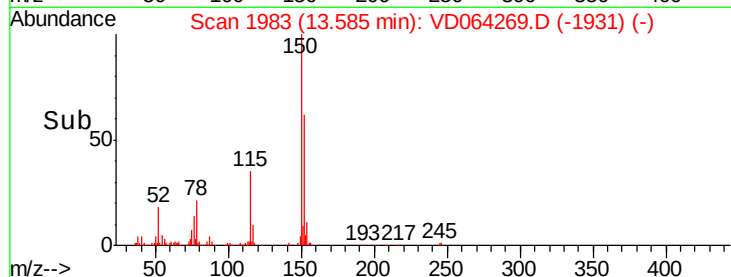
Tot Ion:	152	Resp:	111558
Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.4	82.2
150	154.7	0.0	351.6



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: 54.381 ug/l

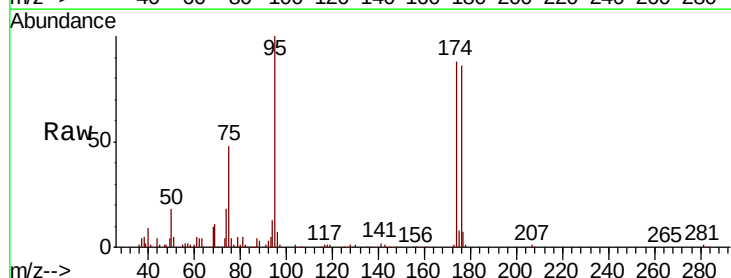
RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064269.D

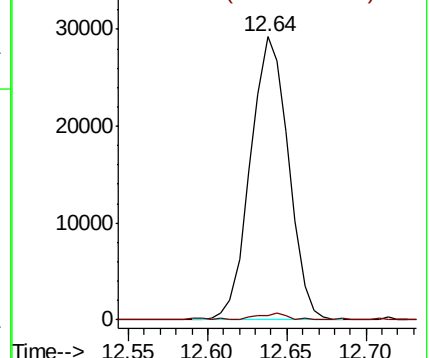
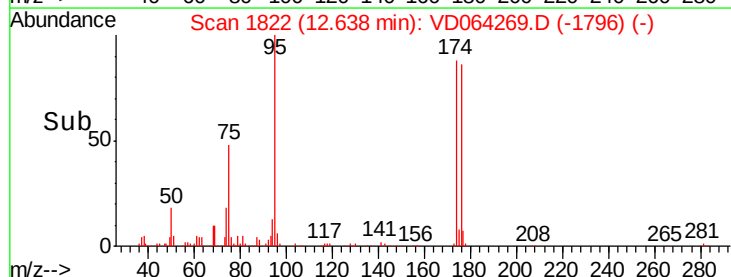
Acq: 18 Nov 2019 17:26

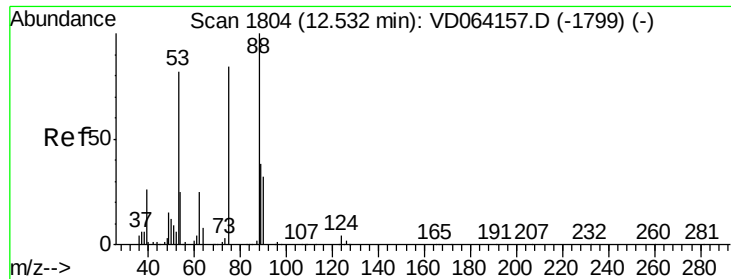
Tgt Ion:	75	Resp:	48865
Ion	Ratio	Lower	Upper
75	100		
77	1.8	0.0	0.0#



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: 108.022 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064269.D

Acq: 18 Nov 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

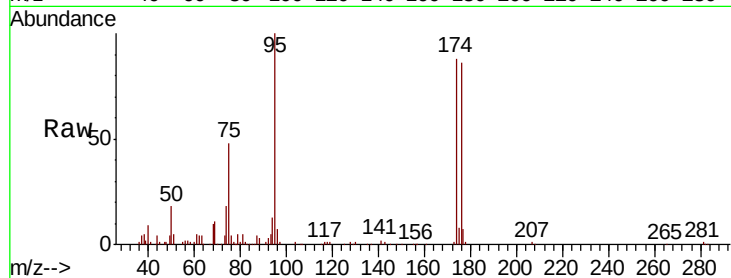
Tot Ion: 75 Resp: 48865

Ion Ratio Lower Upper

75 100

53 0.2 79.4 119.0#

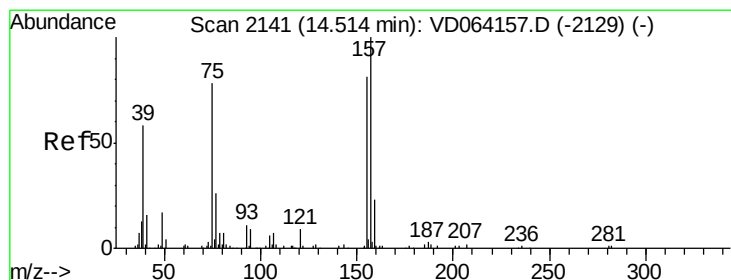
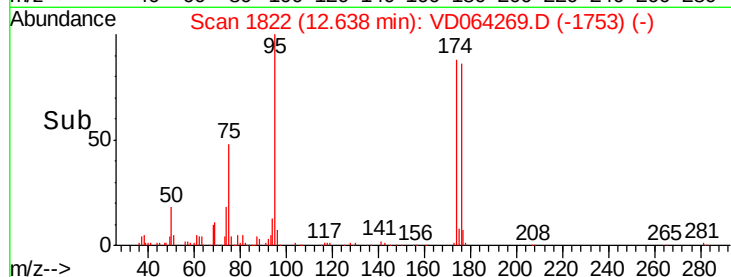
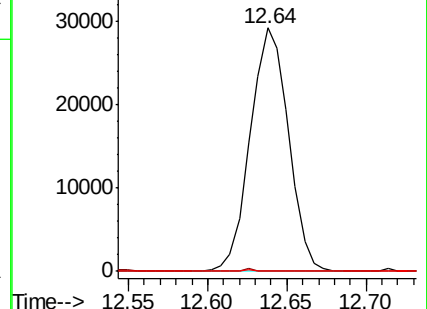
89 0.1 36.6 55.0#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.047 ug/l

RT: 14.49 min Scan# 2137

Delta R.T. -0.02 min

Lab File: VD064269.D

Acq: 18 Nov 2019 17:26

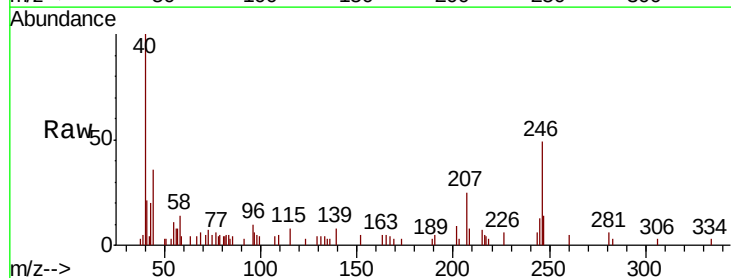
Tgt Ion: 75 Resp: 231

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.0#

157 0.0 61.5 184.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

