

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
 Data File : VD064102.D
 Acq On : 29 Oct 2019 21:32
 Operator : VA/SY
 Sample : K5599-05
 Misc : 5.55G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 08:10:22 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	240994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	404152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	417050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	216916	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	113729	59.34	ug/l	0.00
Spiked Amount			Recovery	=	118.68%	
35) Dibromofluoromethane	7.92	113	128407	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
50) Toluene-d8	10.34	98	502615	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.64	95	173493	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	

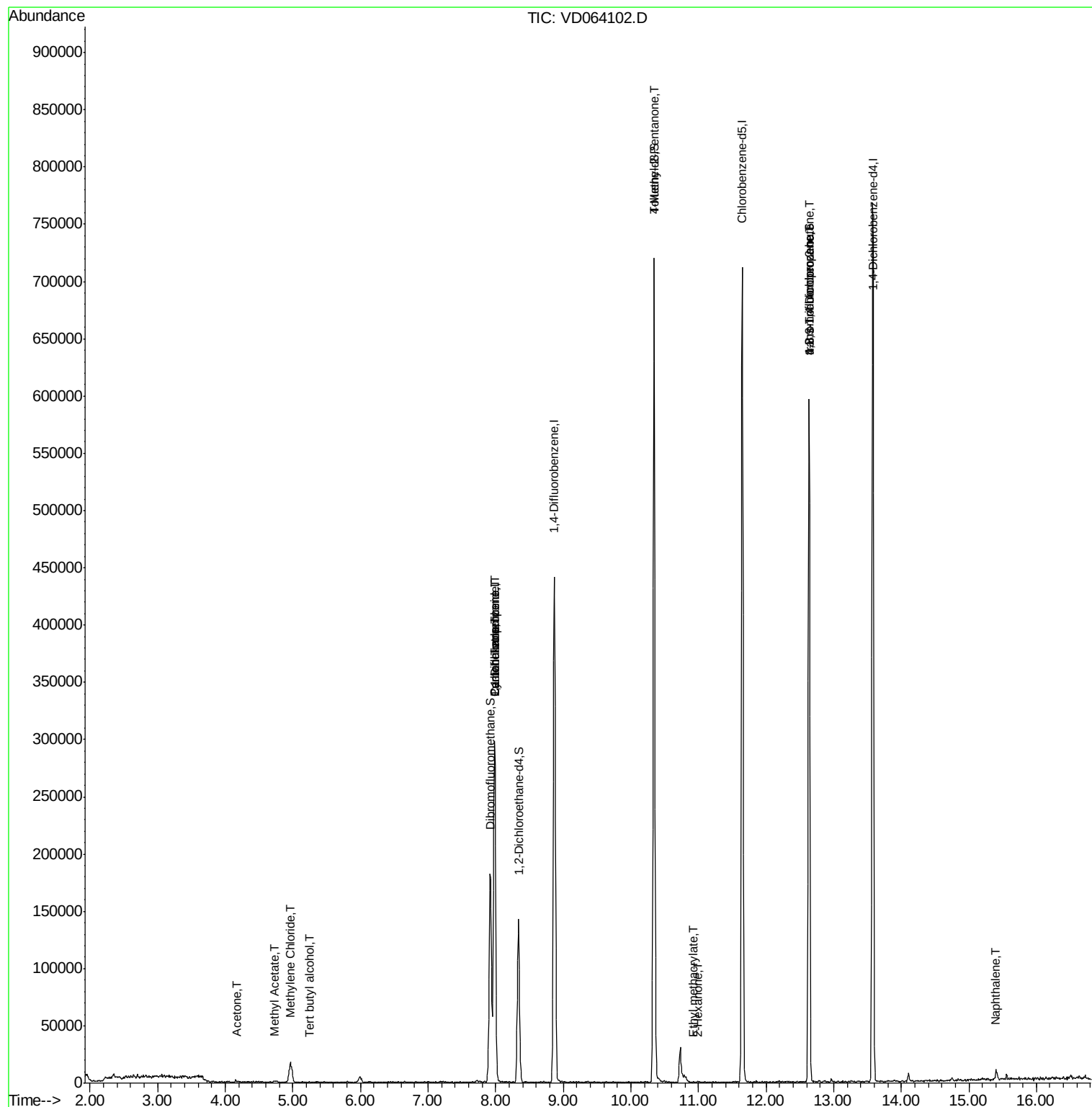
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	60	6.721	ug/l #	71
16) Acetone	4.17	43	1968	5.397	ug/l #	42
18) Methyl Acetate	4.72	43	1310	1.350	ug/l	95
20) Methylene Chloride	4.96	84	13180	1.719	ug/l #	86
31) Cyclohexane	7.98	56	4553	1.277	ug/l #	19
36) 1,1-Dichloropropene	7.98	75	16407	4.332	ug/l #	49
38) Carbon Tetrachloride	7.98	117	22590	5.467	ug/l #	18
51) 4-Methyl-2-Pentanone	10.35	43	1908	1.488	ug/l #	1
56) Ethyl methacrylate	10.93	69	113	3.061	ug/l #	34
59) 2-Hexanone	11.00	43	62	9.073	ug/l #	22
76) 1,2,3-Trichloropropane	12.64	75	91876	63.034	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	91876	128.733	ug/l #	15
95) Naphthalene	15.40	128	8007	1.088	ug/l #	76

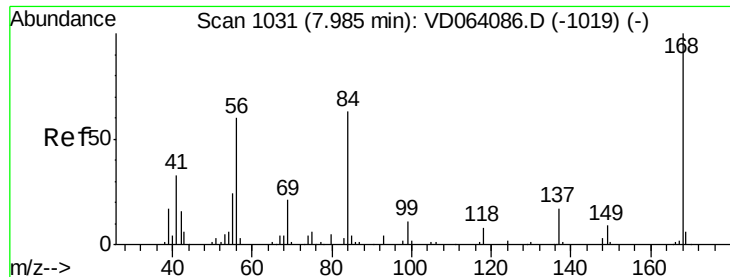
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102919\
Data File : VD064102.D
Acq On : 29 Oct 2019 21:32
Operator : VA/SY
Sample : K5599-05
Misc : 5.55G/5.00ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :

Quant Time: Oct 30 08:10:22 2019
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# 1031

Delta R.T. 0.00 min

Lab File: VD064102.D

Acq: 29 Oct 2019 21:32

Instrument :

MSVOA_D

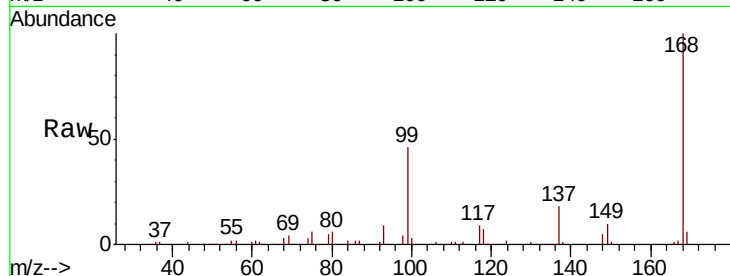
ClientSampleId :

Tot Ion:168 Resp: 240994

Ion Ratio Lower Upper

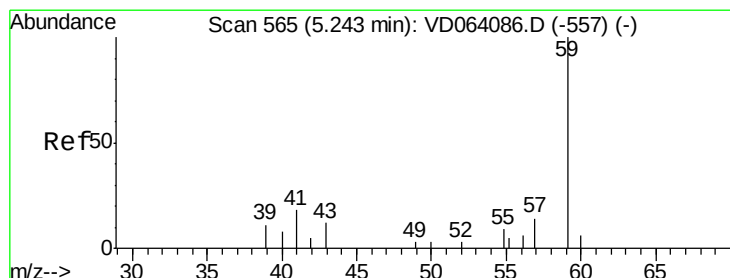
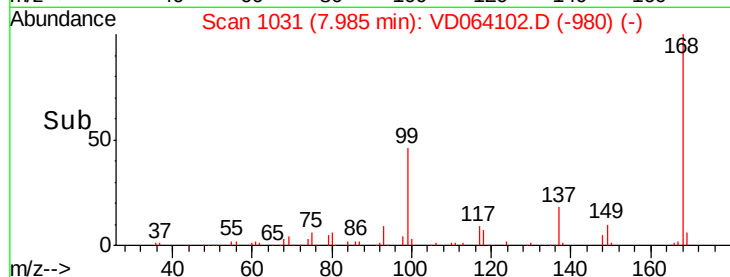
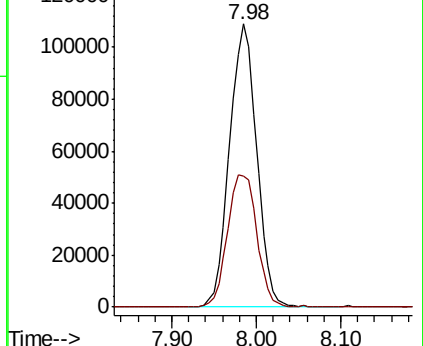
168 100

99 46.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 6.721 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.01 min

Lab File: VD064102.D

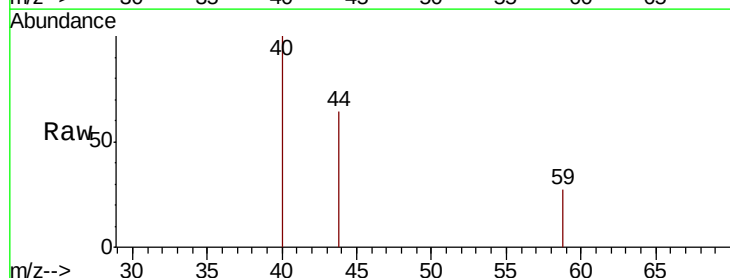
Acq: 29 Oct 2019 21:32

Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

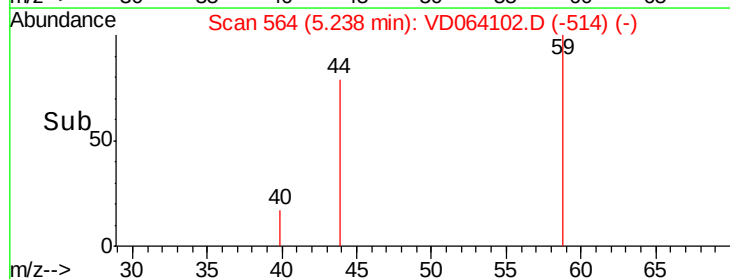
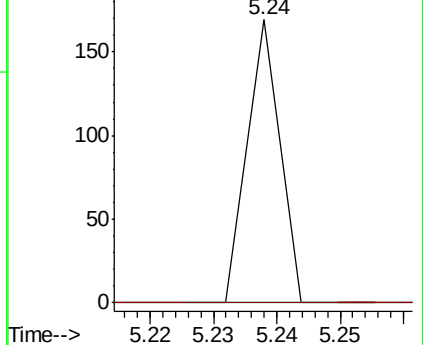
59 100

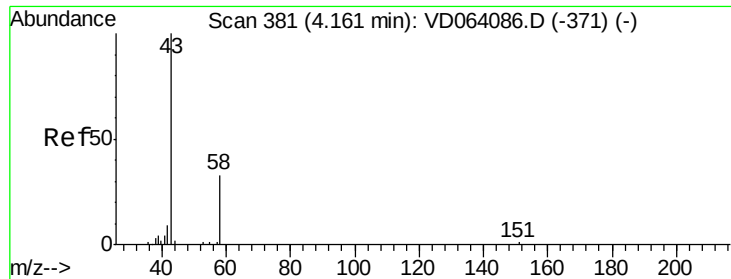
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

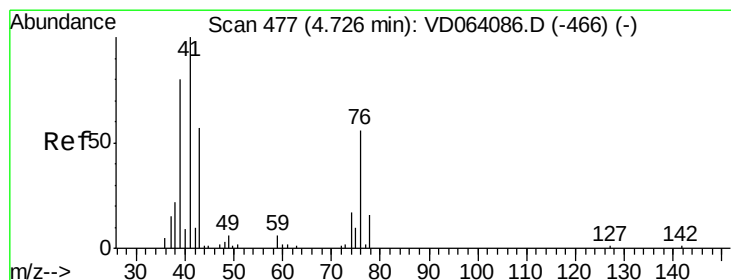
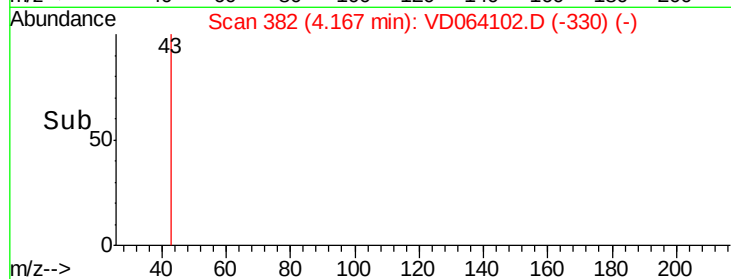
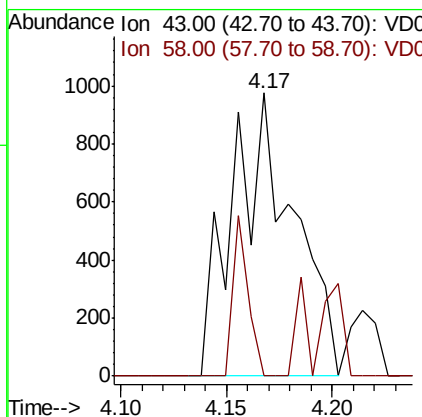
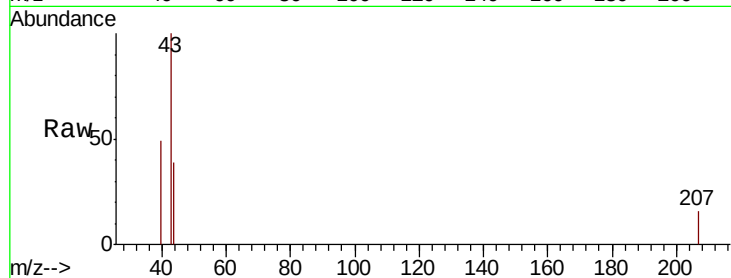




#16
Acetone
Concen: 5.397 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.01 min
Lab File: VD064102.D
Acq: 29 Oct 2019 21:32

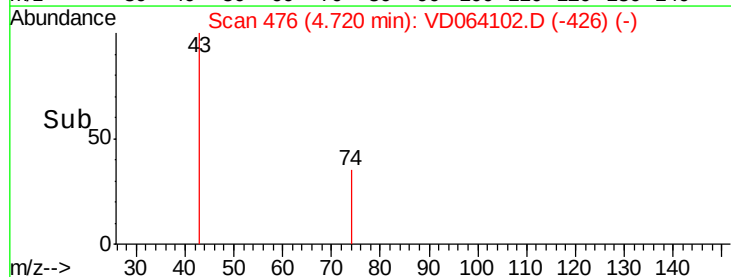
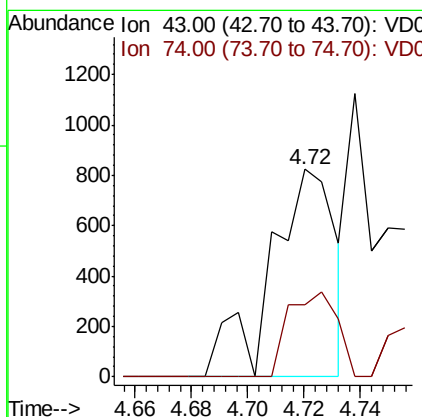
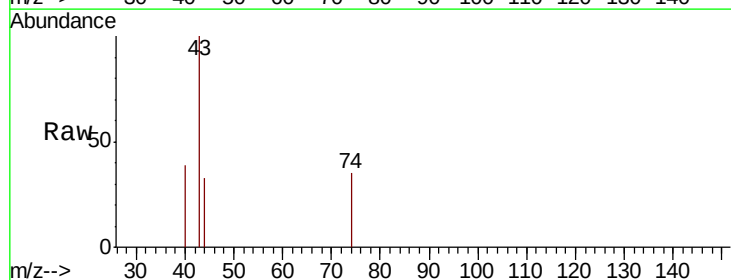
Instrument :
MSVOA_D
ClientSampled :

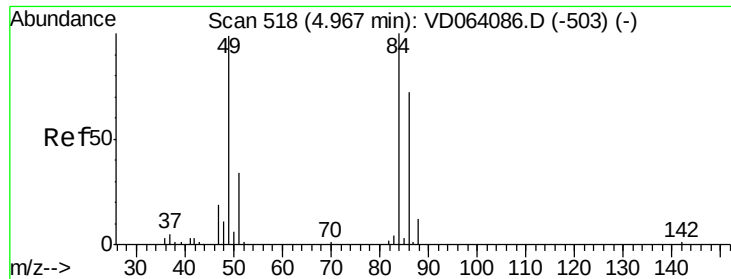
Tot Ion: 43 Resp: 1968
Ion Ratio Lower Upper
43 100
58 0.0 26.3 39.5#



#18
Methyl Acetate
Concen: 1.350 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064102.D
Acq: 29 Oct 2019 21:32

Tgt Ion: 43 Resp: 1310
Ion Ratio Lower Upper
43 100
74 30.6 22.2 33.4

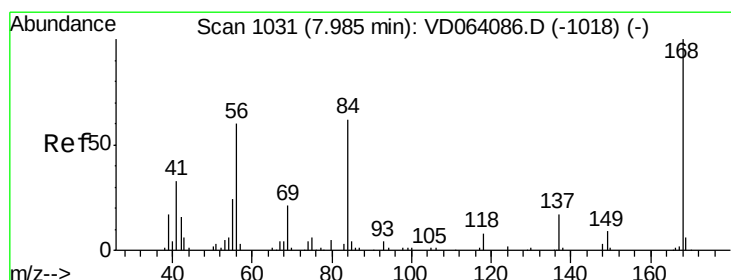
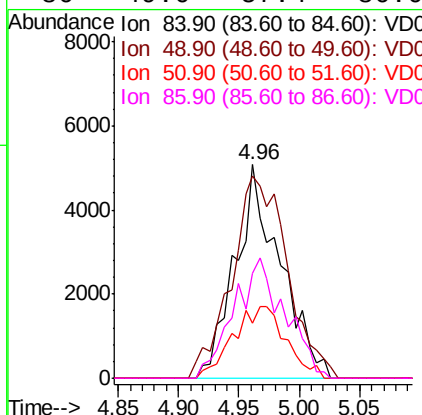
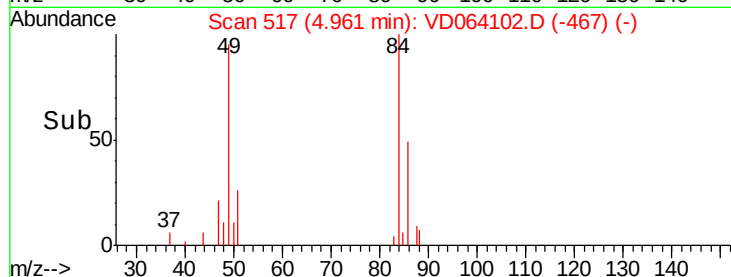
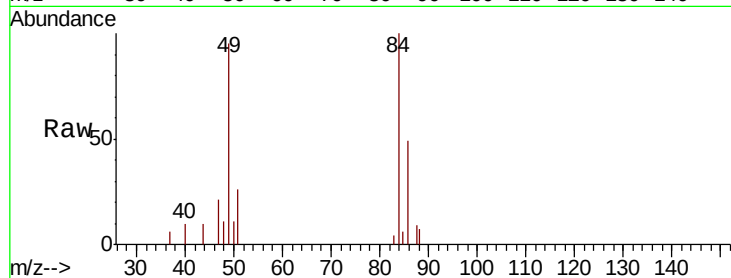




#20
Methvlene Chloride
Concen: 1.719 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064102.D
Acq: 29 Oct 2019 21:32

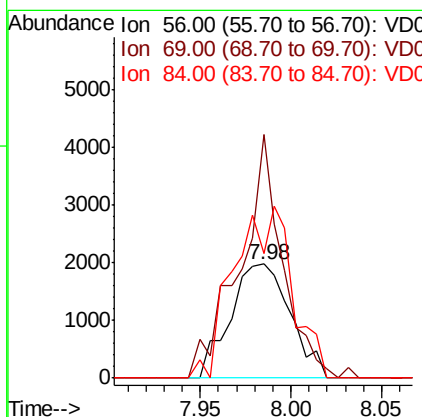
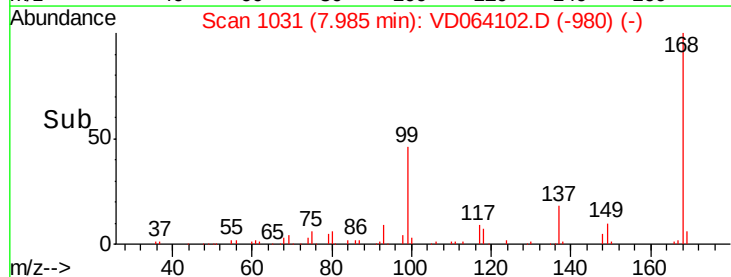
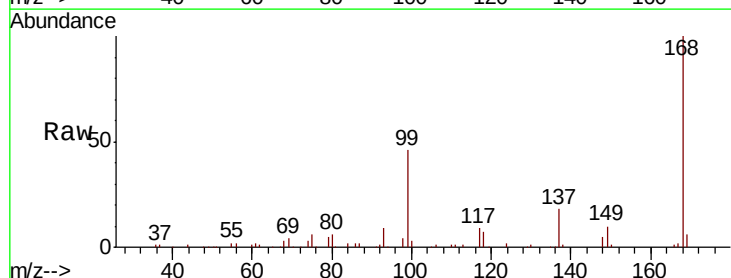
Instrument :
MSVOA_D
ClientSampleId :

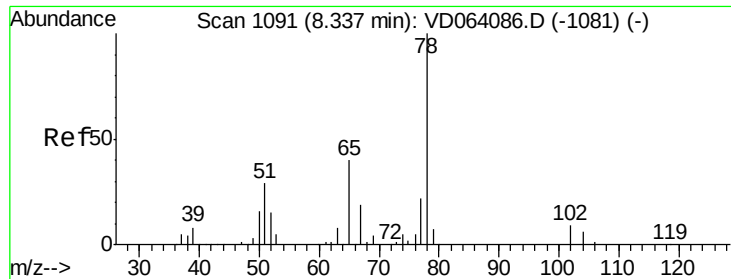
Tot Ion: 84 Resp: 13180
Ion Ratio Lower Upper
84 100
49 94.6 79.4 119.0
51 25.5 27.4 41.2#
86 49.0 57.4 86.0#



#31
Cyclohexane
Concen: 1.277 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064102.D
Acq: 29 Oct 2019 21:32

Tgt Ion: 56 Resp: 4553
Ion Ratio Lower Upper
56 100
69 213.4 27.7 41.5#
84 109.2 83.1 124.7

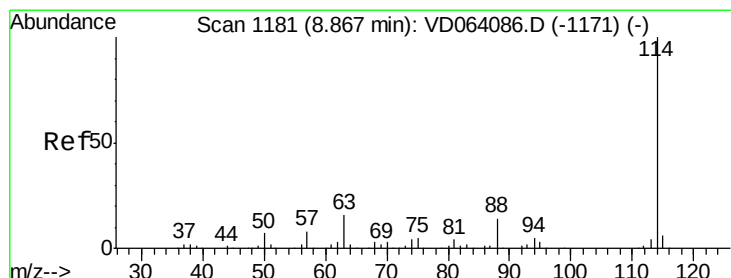
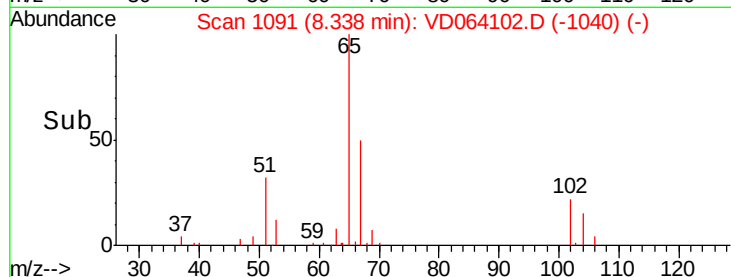
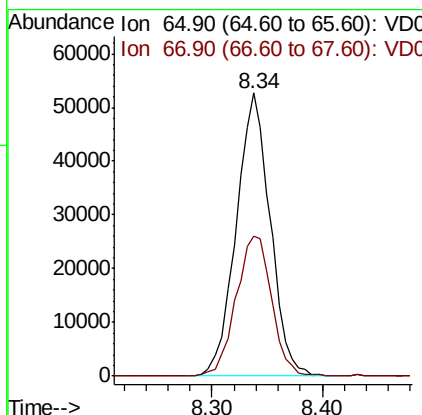
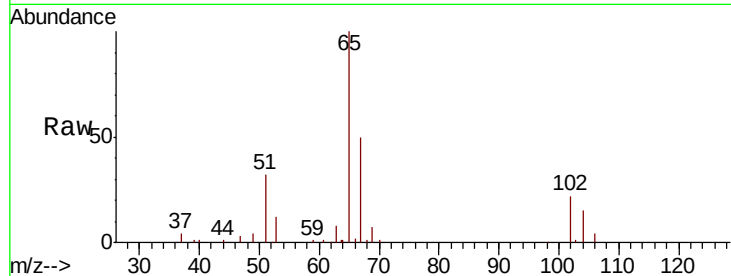




#33
 1,2-Dichloroethane-d4
 Concen: 59.338 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064102.D
 Acq: 29 Oct 2019 21:32

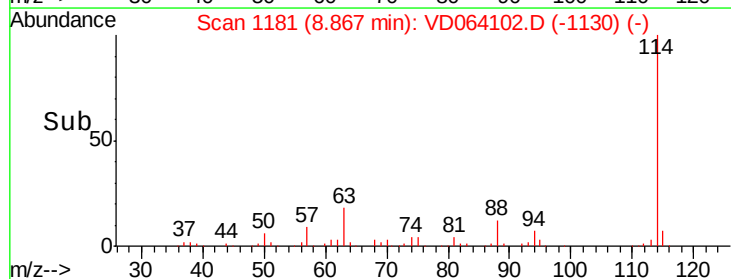
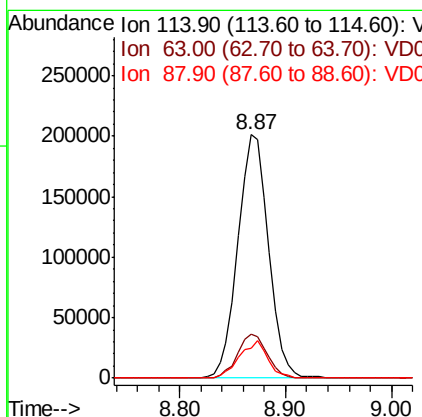
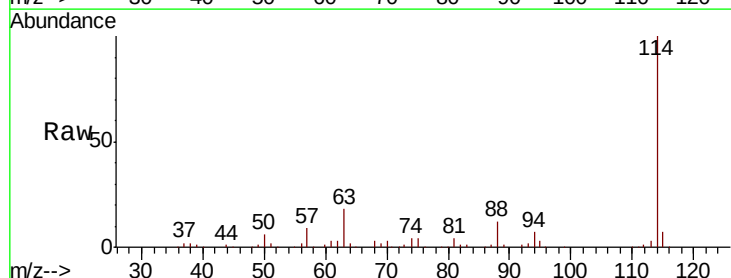
Instrument :
 MSVOA_D
 ClientSampled :

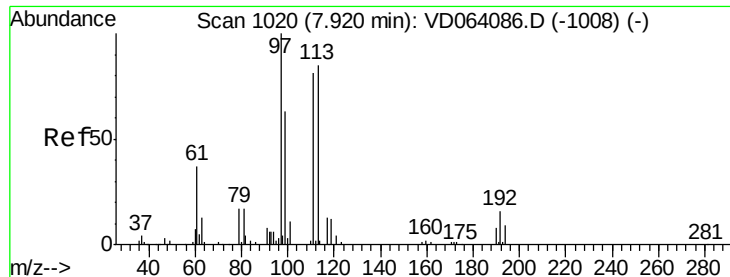
Tot Ion: 65 Resp: 113729
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064102.D
 Acq: 29 Oct 2019 21:32

Tgt Ion: 114 Resp: 404152
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 32.8
 88 12.1 0.0 27.6

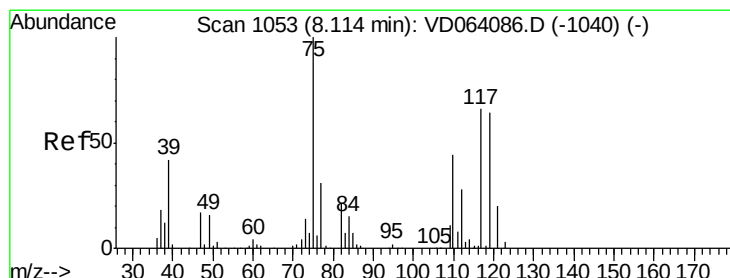
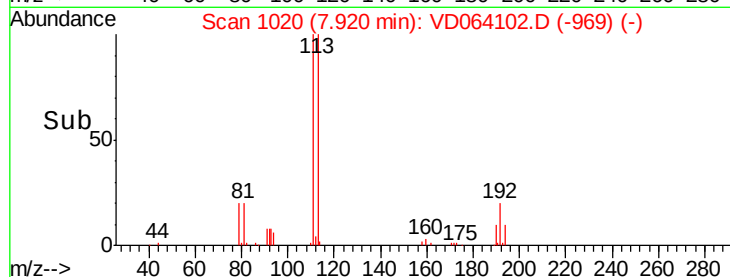
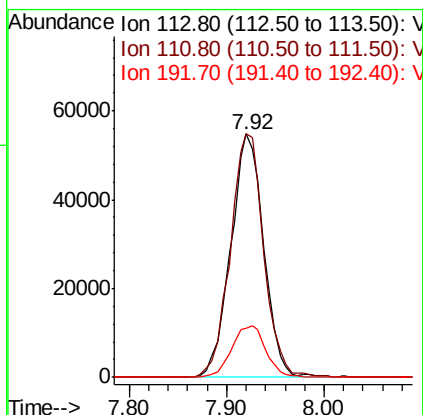
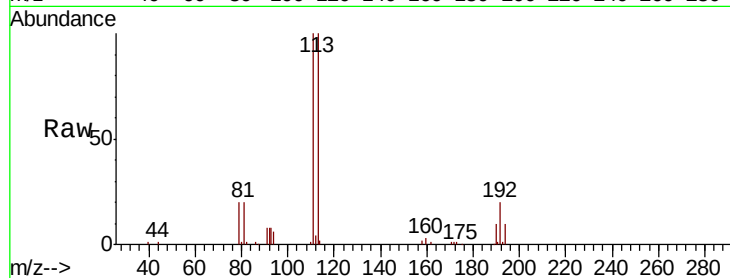




#35
 Dibromofluoromethane
 Concen: 51.643 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064102.D
 Acq: 29 Oct 2019 21:32

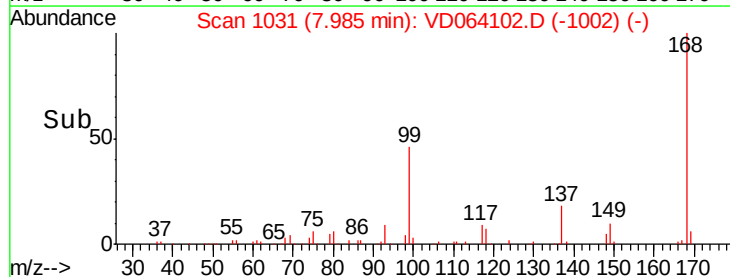
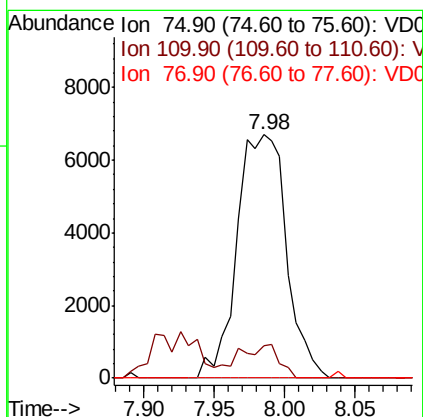
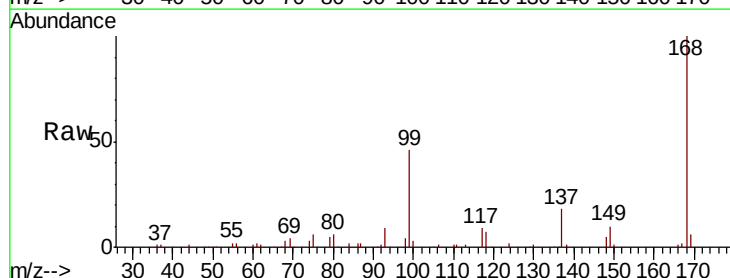
Instrument :
 MSVOA_D
 ClientSampleId :

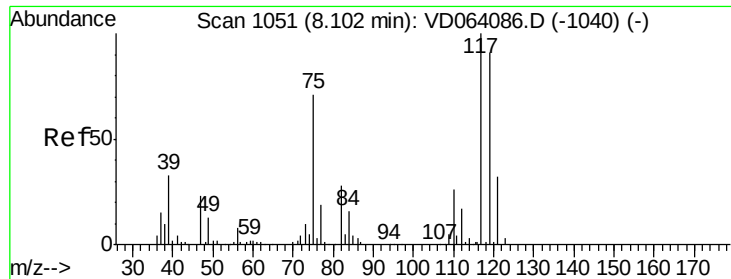
Tot Ion:113 Resp: 128407
 Ion Ratio Lower Upper
 113 100
 111 101.5 79.3 118.9
 192 21.9 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.332 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064102.D
 Acq: 29 Oct 2019 21:32

Tgt Ion: 75 Resp: 16407
 Ion Ratio Lower Upper
 75 100
 110 11.5 20.0 59.9#
 77 0.0 24.7 37.1#

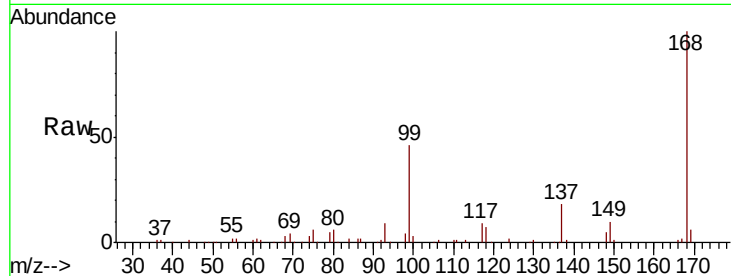




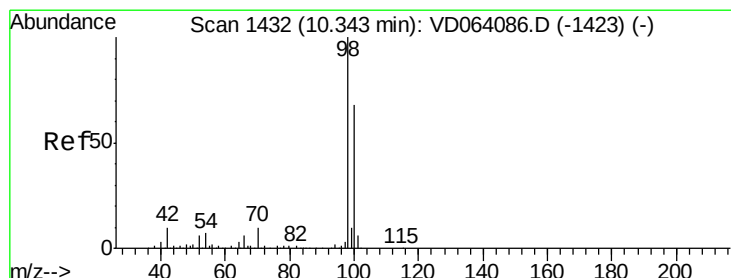
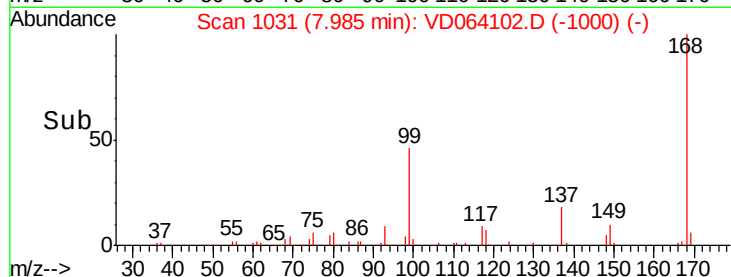
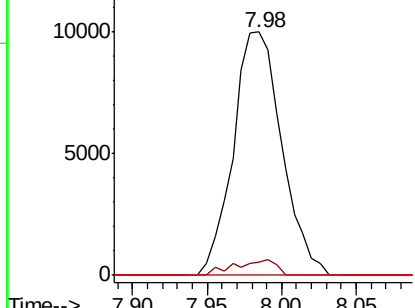
#38
Carbon Tetrachloride
Concen: 5.467 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD064102.D
Acq: 29 Oct 2019 21:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 22590
Ion Ratio Lower Upper
117 100
119 5.3 72.6 108.8#
121 0.0 25.8 38.6#

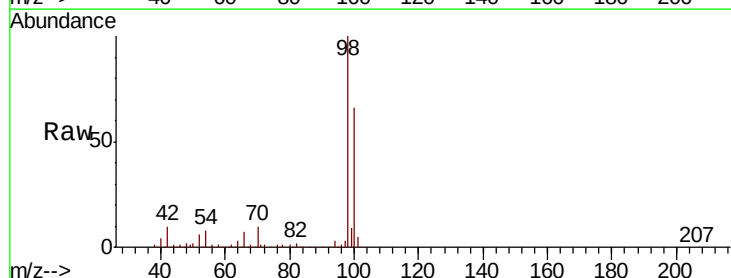


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

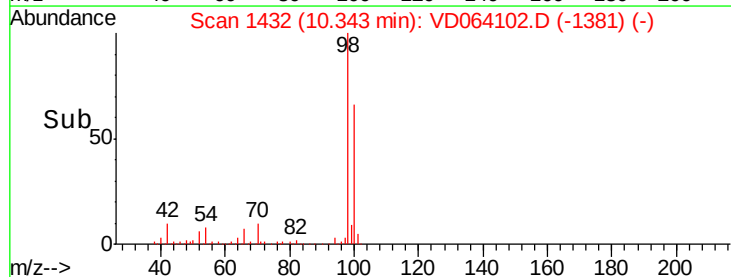
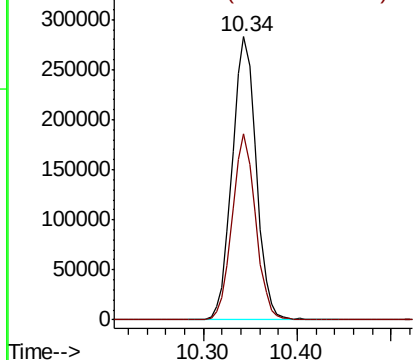


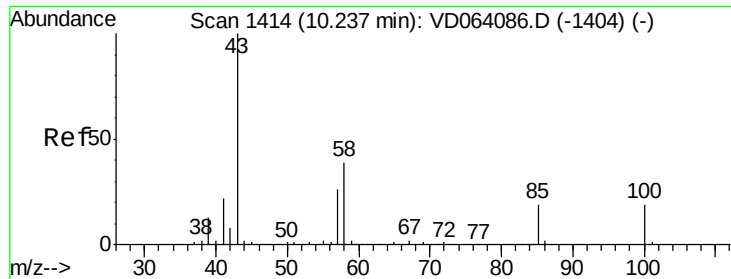
#50
Toluene-d8
Concen: 50.546 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064102.D
Acq: 29 Oct 2019 21:32

Tgt Ion: 98 Resp: 502615
Ion Ratio Lower Upper
98 100
100 63.9 53.4 80.0



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





#51

4-Methyl-2-Pentanone

Concen: 1.488 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.11 min

Lab File: VD064102.D

Acq: 29 Oct 2019 21:32

Instrument :

MSVOA_D

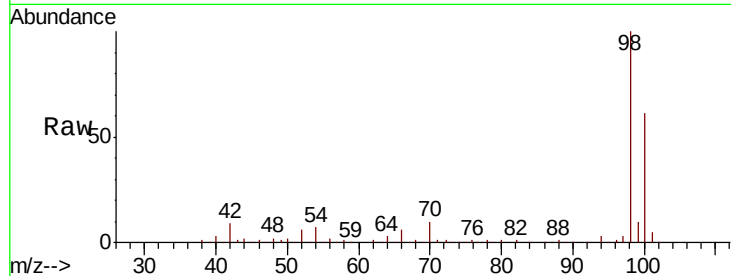
ClientSampled :

Tot Ion: 43 Resp: 1908

Ion Ratio Lower Upper

43 100

58 184.8 33.0 49.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

2500

2000

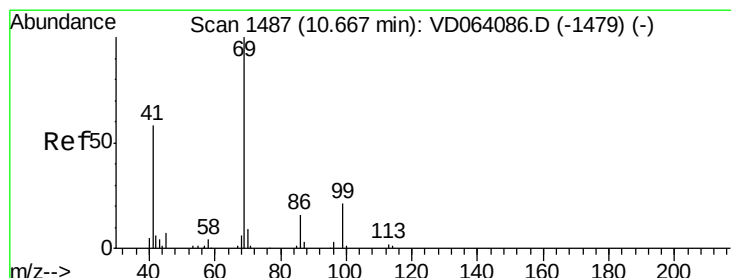
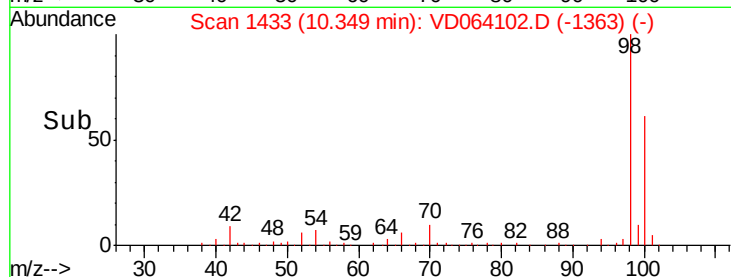
1500

1000

500

0

Time--> 10.30 10.35 10.40



#56

Ethyl methacrylate

Concen: 3.061 ug/l

RT: 10.93 min Scan# 1531

Delta R.T. 0.26 min

Lab File: VD064102.D

Acq: 29 Oct 2019 21:32

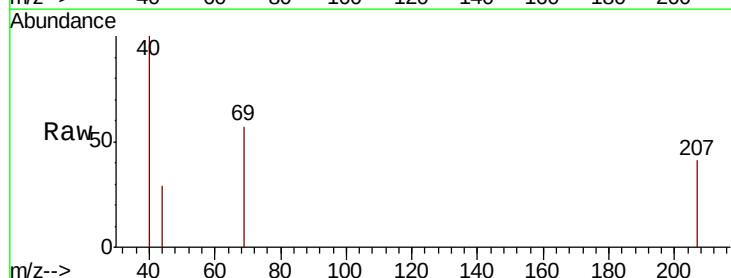
Tgt Ion: 69 Resp: 113

Ion Ratio Lower Upper

69 100

41 0.0 46.9 70.3#

39 60.2 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

400

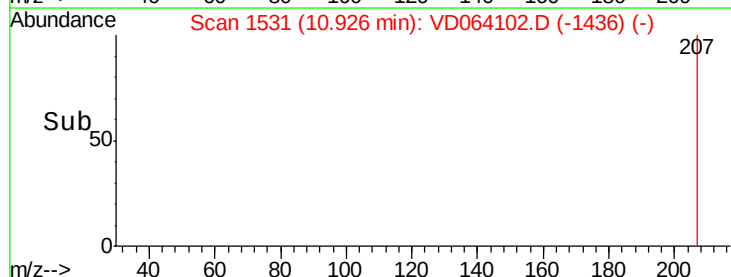
300

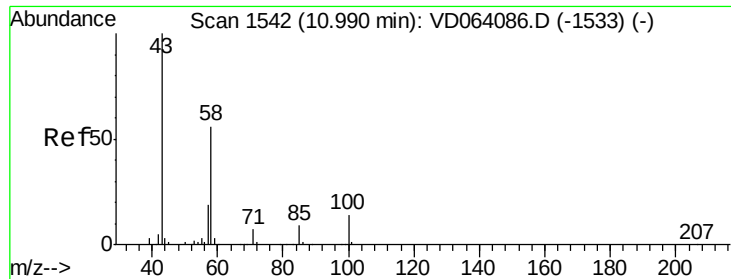
200

100

0

Time--> 10.92 10.94

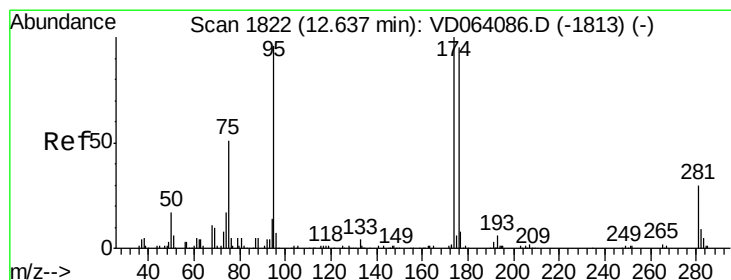
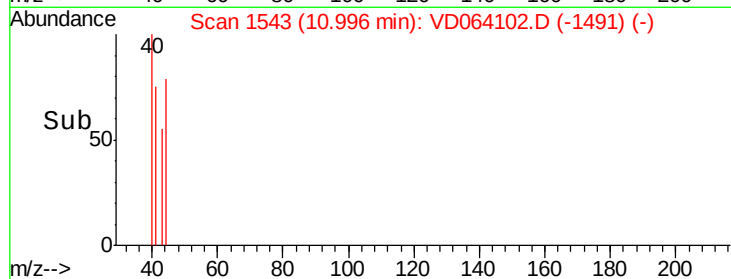
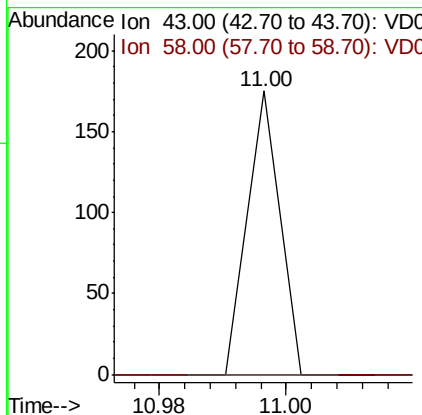
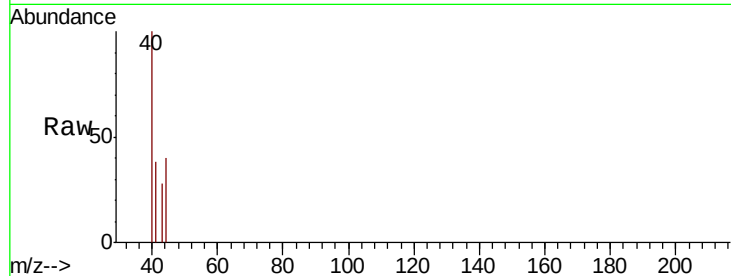




#59
2-Hexanone
Concen: 9.073 ug/l
RT: 11.00 min Scan# 1543
Delta R.T. 0.01 min
Lab File: VD064102.D
Acq: 29 Oct 2019 21:32

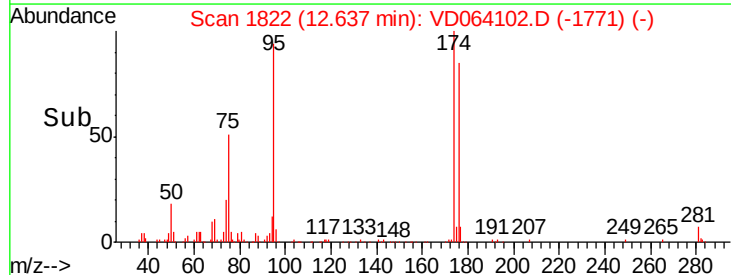
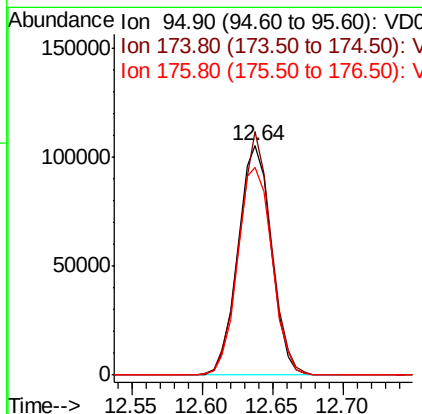
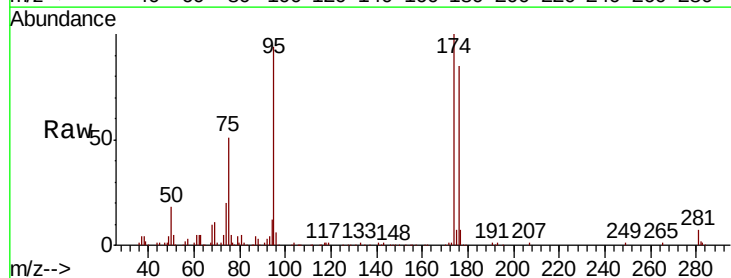
Instrument :
MSVOA_D
ClientSampleId :

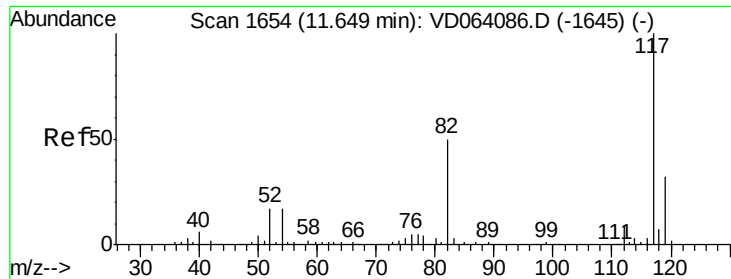
Tot Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 29.2 87.6#



#62
4-Bromofluorobenzene
Concen: 52.627 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064102.D
Acq: 29 Oct 2019 21:32

Tgt Ion: 95 Resp: 173493
Ion Ratio Lower Upper
95 100
174 102.2 0.0 201.6
176 93.7 0.0 192.6

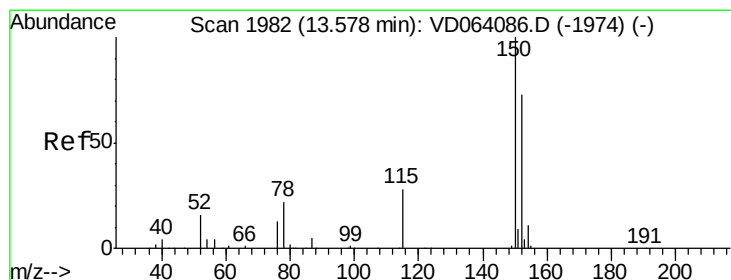
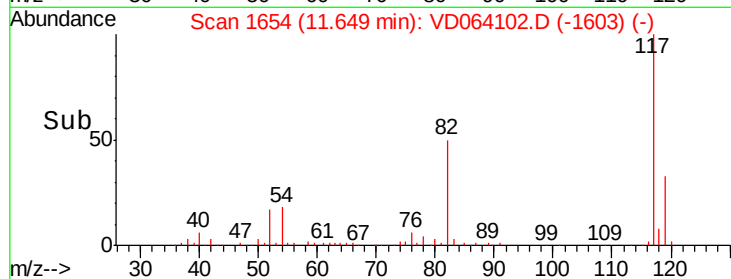
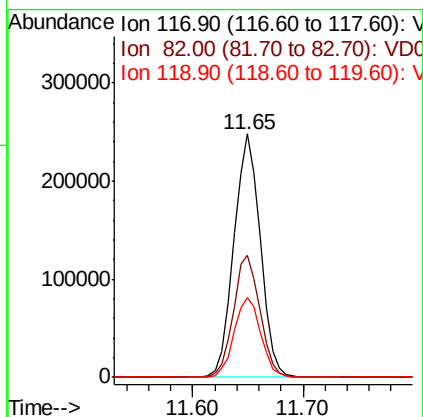
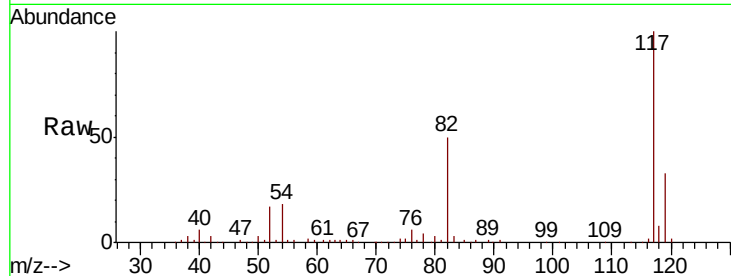




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064102.D
Acq: 29 Oct 2019 21:32

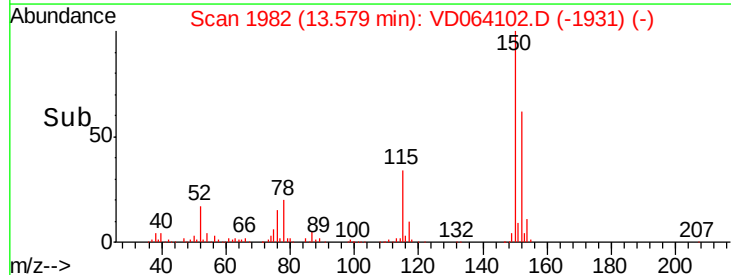
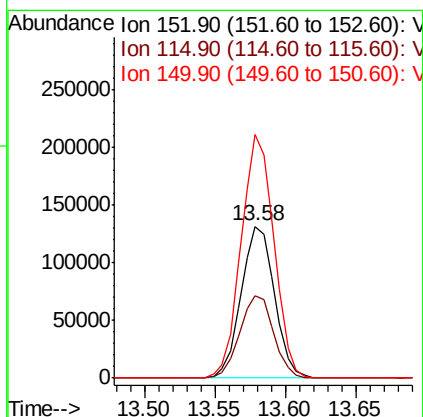
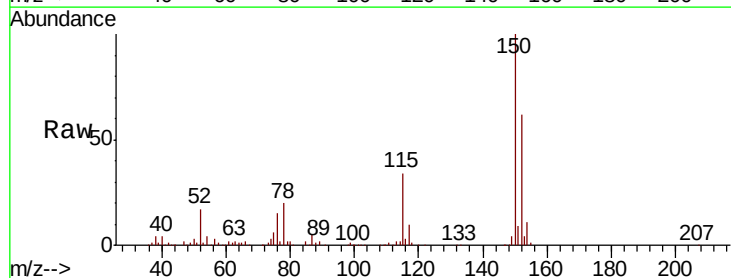
Instrument :
MSVOA_D
ClientSampleId :

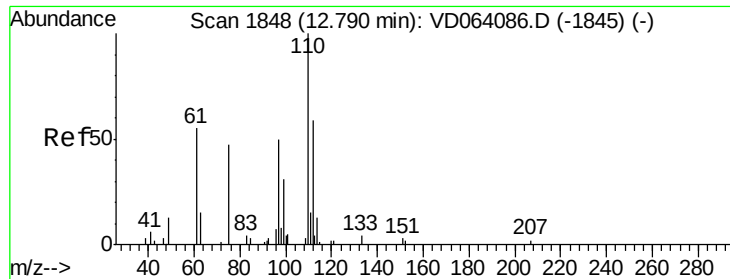
Tot Ion:117 Resp: 417050
Ion Ratio Lower Upper
117 100
82 50.1 40.2 60.4
119 32.7 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064102.D
Acq: 29 Oct 2019 21:32

Tgt Ion:152 Resp: 216916
Ion Ratio Lower Upper
152 100
115 55.3 26.2 78.6
150 158.1 0.0 338.8

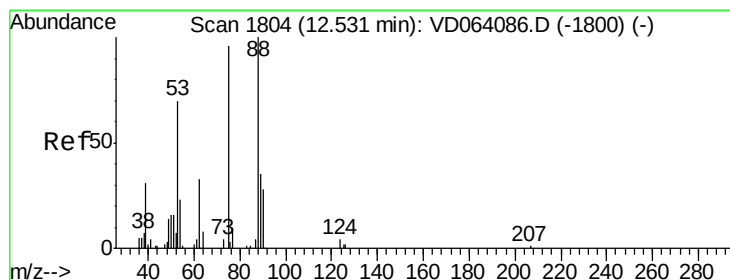
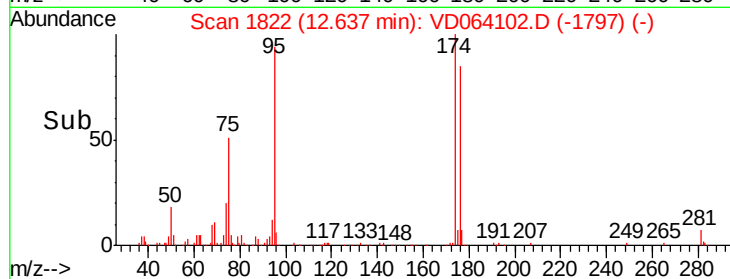
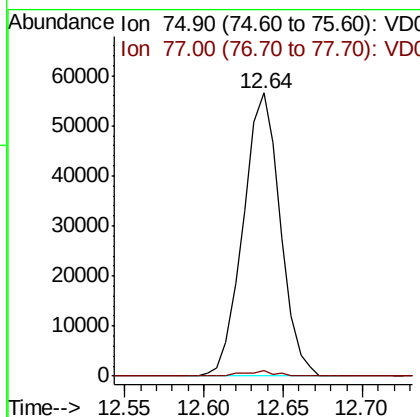
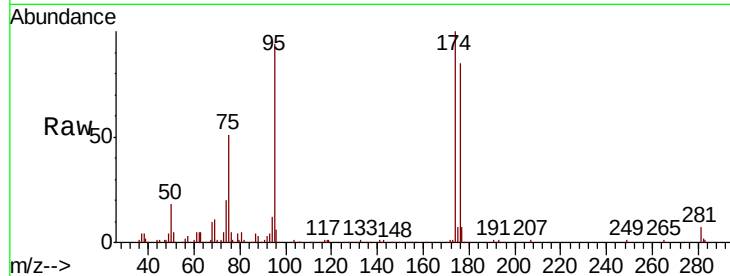




#76
 1,2,3-Trichloropropane
 Concen: 63.034 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064102.D
 Acq: 29 Oct 2019 21:32

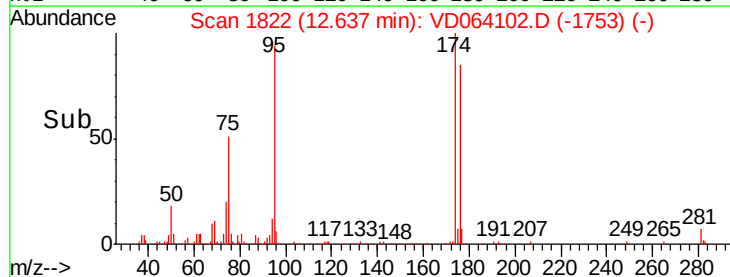
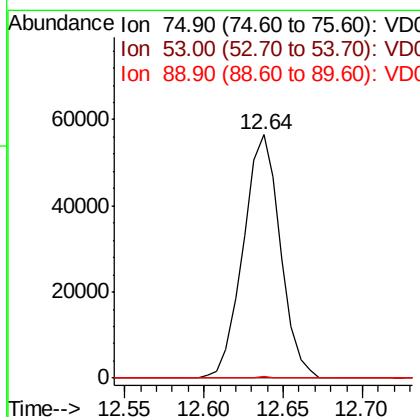
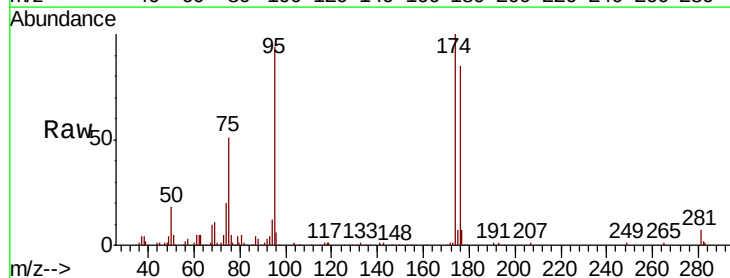
Instrument :
 MSVOA_D
 ClientSampleId :

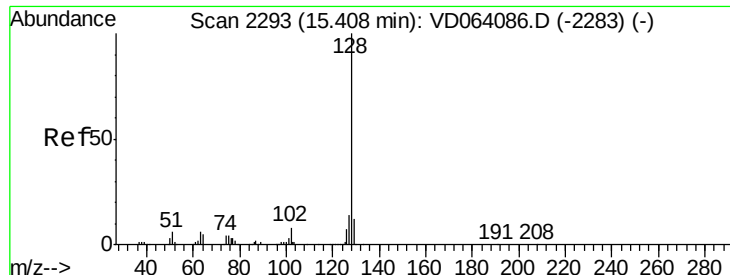
Tot Ion: 75 Resp: 91876
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.733 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD064102.D
 Acq: 29 Oct 2019 21:32

Tgt Ion: 75 Resp: 91876
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 103.0#
 89 0.2 36.9 55.3#





#95

Naphthalene

Concen: 1.088 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD064102.D

Acq: 29 Oct 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

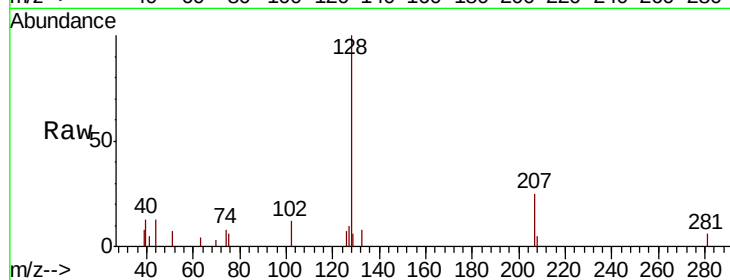
Tot Ion:128 Resp: 8007

Ion Ratio Lower Upper

128 100

127 0.0 10.9 16.3#

129 6.8 8.8 13.2#



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

