

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064273.D
 Acq On : 18 Nov 2019 19:21
 Operator : VA/SY
 Sample : K5840-12RE
 Misc : 5.23G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 19 04:39:58 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	7.99	168	82172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	128016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	117496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	64663	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	52233	77.29	ug/l	0.00
Spiked Amount			Recovery	=	154.58%	
35) Dibromofluoromethane	7.91	113	40255	54.78	ug/l	0.00
Spiked Amount			Recovery	=	109.56%	
50) Toluene-d8	10.34	98	148565	53.59	ug/l	0.00
Spiked Amount			Recovery	=	107.18%	
62) 4-Bromofluorobenzene	12.64	95	54655	56.93	ug/l	0.00
Spiked Amount			Recovery	=	113.86%	

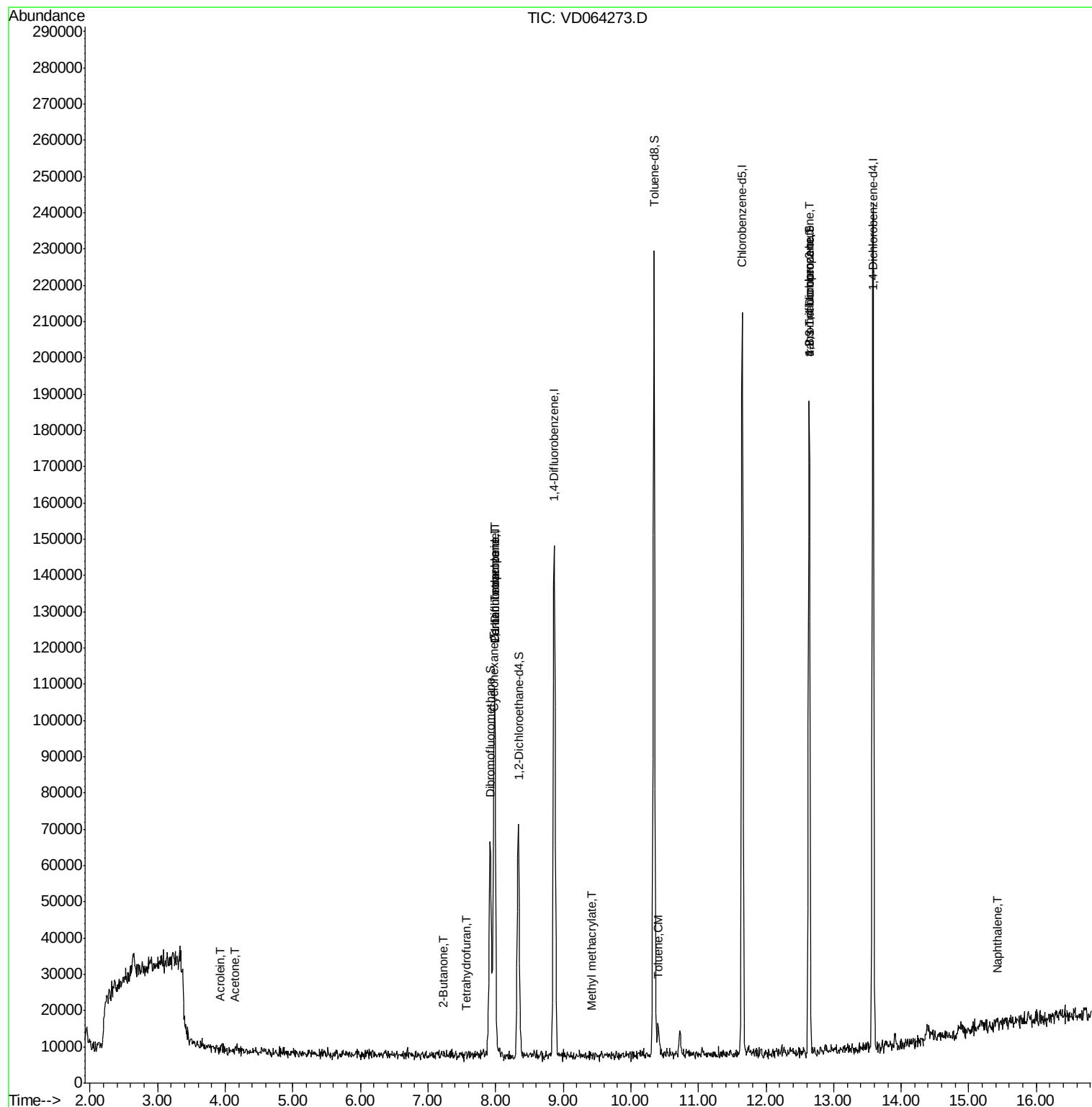
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.92	56	59	1.477	ug/l #	15
16) Acetone	4.16	43	1073	6.702	ug/l #	45
25) 2-Butanone	7.22	43	790	3.819	ug/l #	49
29) Tetrahydrofuran	7.58	42	140	1.127	ug/l #	1
31) Cyclohexane	7.97	56	1828	1.378	ug/l #	44
36) 1,1-Dichloropropene	7.98	75	5959	5.044	ug/l #	47
38) Carbon Tetrachloride	7.99	117	7457	5.899	ug/l #	15
48) Methyl methacrylate	9.43	41	745	1.485	ug/l #	46
52) Toluene	10.40	92	3632	1.711	ug/l	92
76) 1,2,3-Trichloropropane	12.64	75	28163	54.072	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	28163	107.409	ug/l #	10
95) Naphthalene	15.42	128	2473	1.079	ug/l #	73

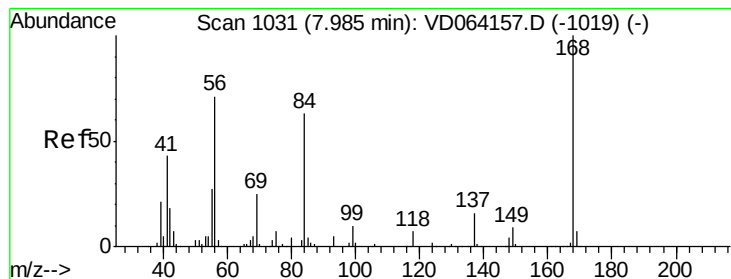
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 12 02:43:24 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064273.D

Acq: 18 Nov 2019 19:21

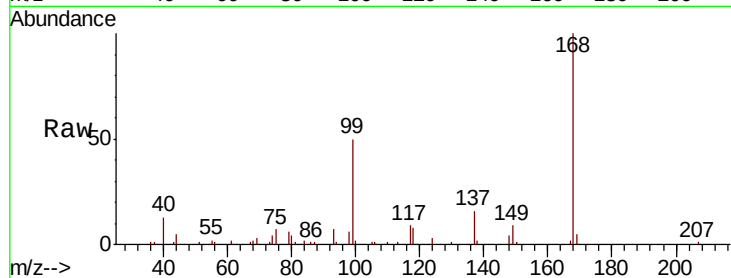
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 82172

Ion Ratio Lower Upper

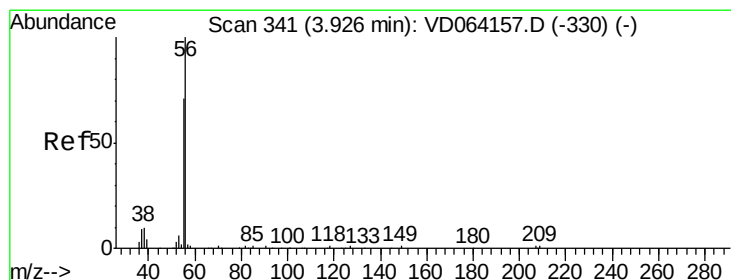
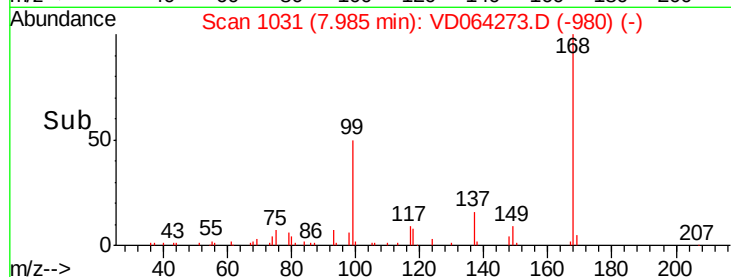
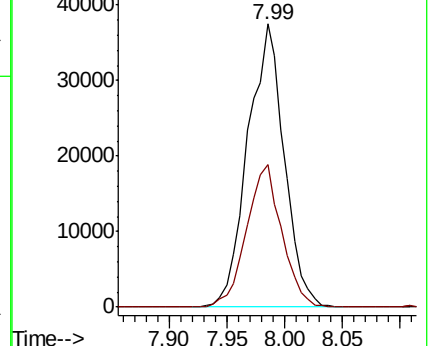
168 100

99 50.1 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#13

Acrolein

Concen: 1.477 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064273.D

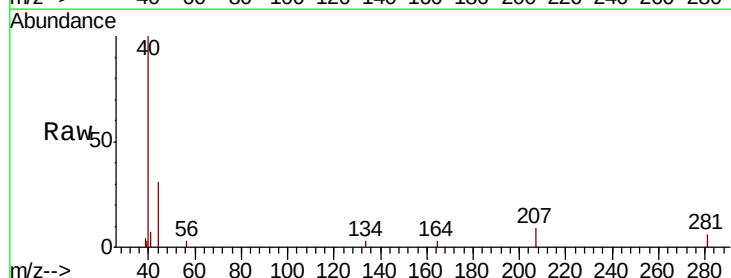
Acq: 18 Nov 2019 19:21

Tgt Ion: 56 Resp: 59

Ion Ratio Lower Upper

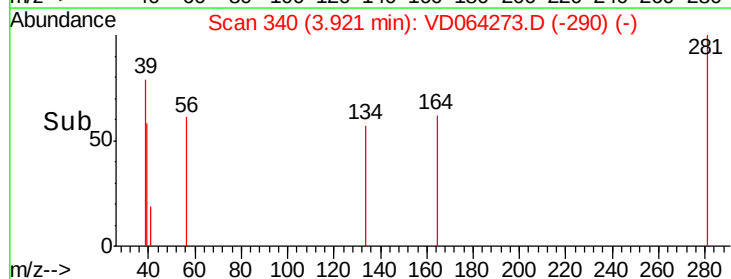
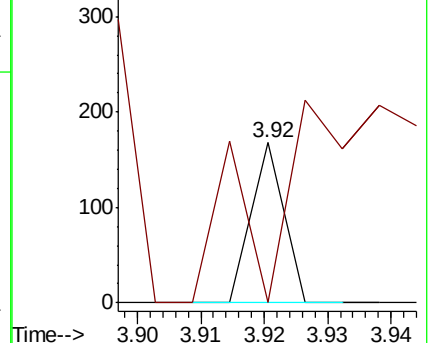
56 100

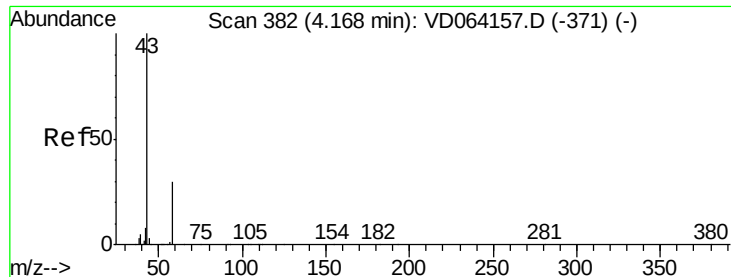
55 0.0 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

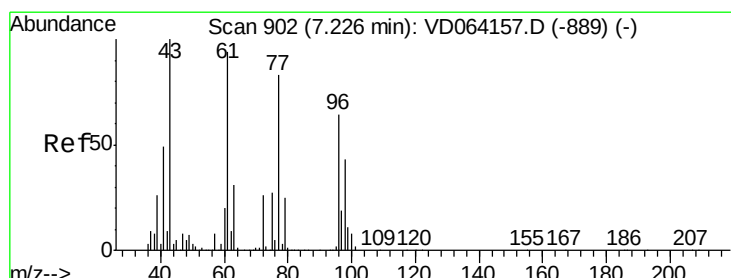
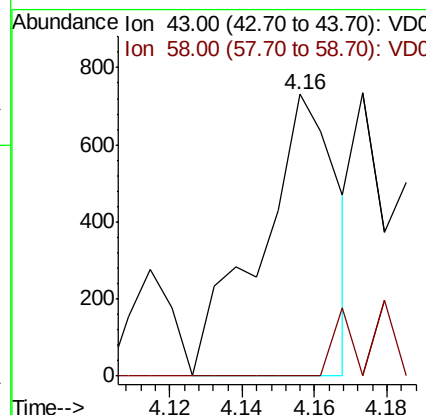
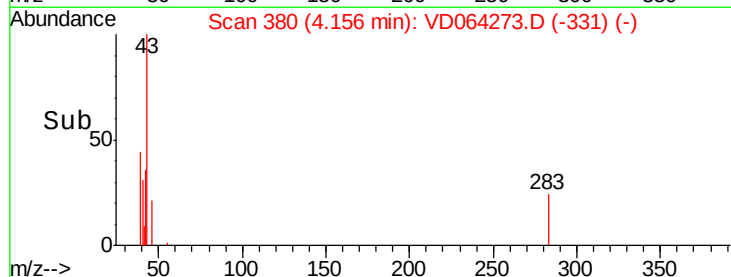
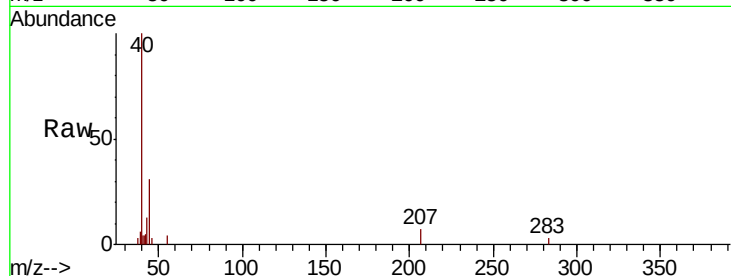




#16
Acetone
Concen: 6.702 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD064273.D
Acq: 18 Nov 2019 19:21

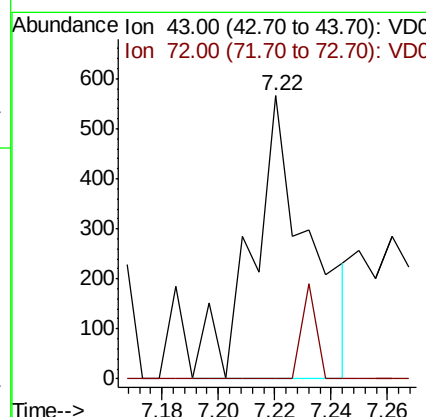
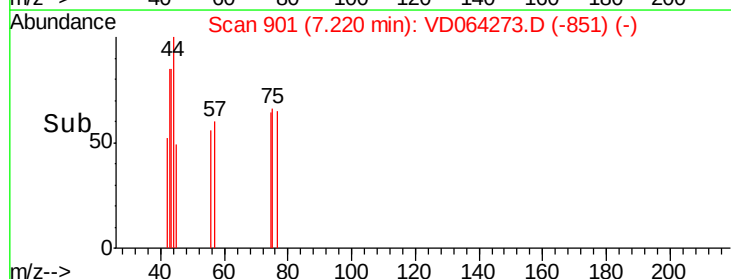
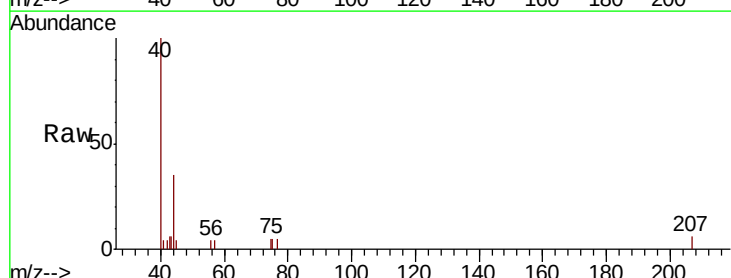
Instrument :
MSVOA_D
ClientSampled :

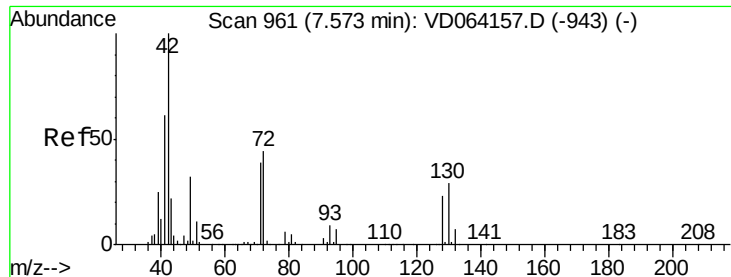
Tot Ion: 43 Resp: 1073
Ion Ratio Lower Upper
43 100
58 0.0 24.1 36.1#



#25
2-Butanone
Concen: 3.819 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD064273.D
Acq: 18 Nov 2019 19:21

Tgt Ion: 43 Resp: 790
Ion Ratio Lower Upper
43 100
72 0.0 20.6 30.8#

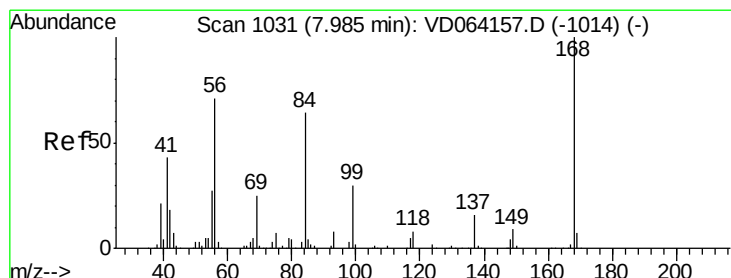
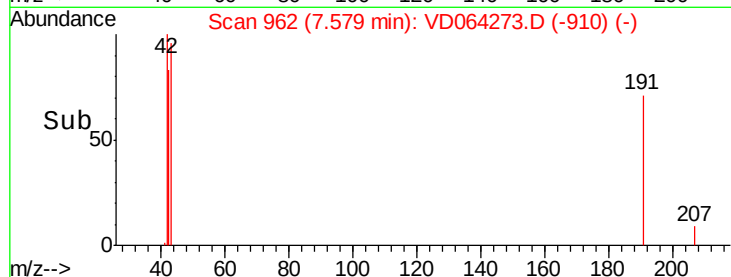
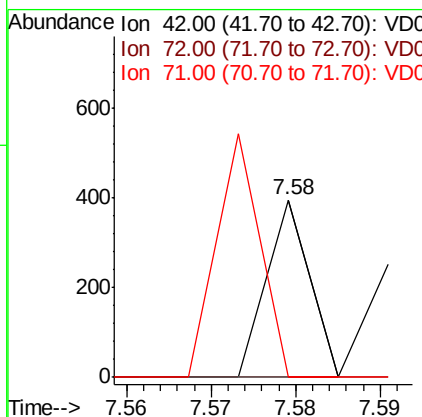
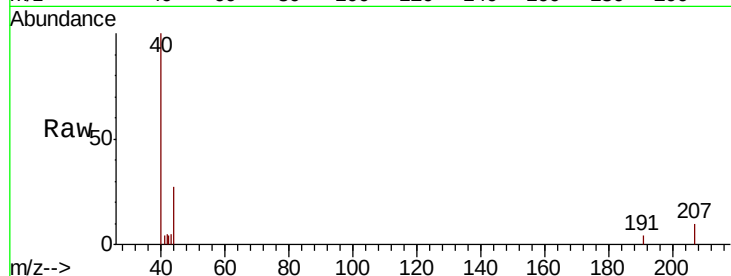




#29
Tetrahydrofuran
Concen: 1.127 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064273.D
Acq: 18 Nov 2019 19:21

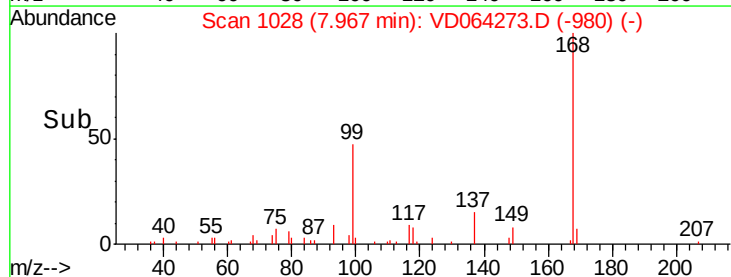
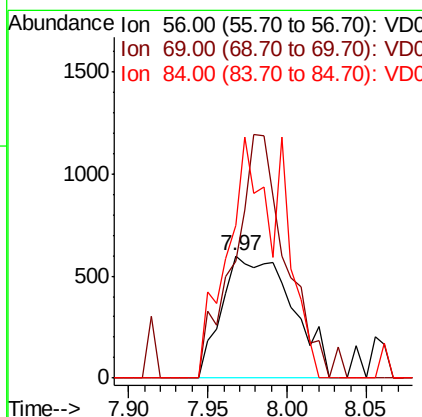
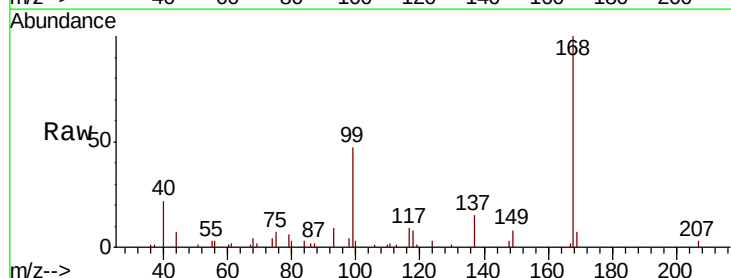
Instrument :
MSVOA_D
ClientSampleId :

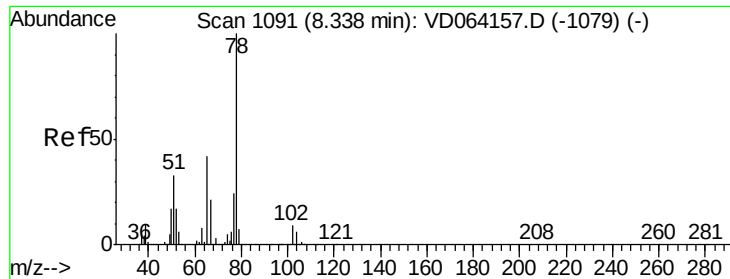
Tot Ion: 42 Resp: 140
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.2#
71 137.1 31.0 46.4#



#31
Cyclohexane
Concen: 1.378 ug/l
RT: 7.97 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VD064273.D
Acq: 18 Nov 2019 19:21

Tgt Ion: 56 Resp: 1828
Ion Ratio Lower Upper
56 100
69 95.3 28.2 42.4#
84 124.9 71.8 107.6#

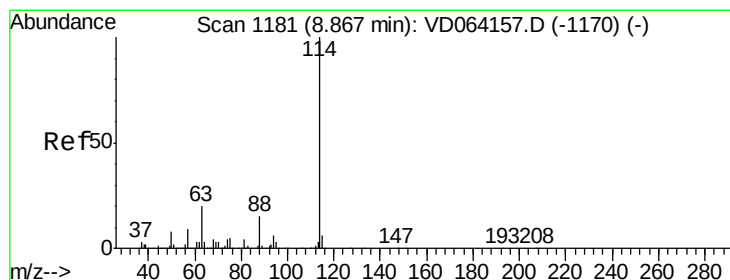
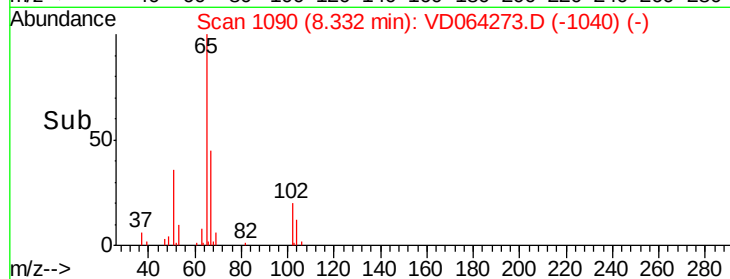
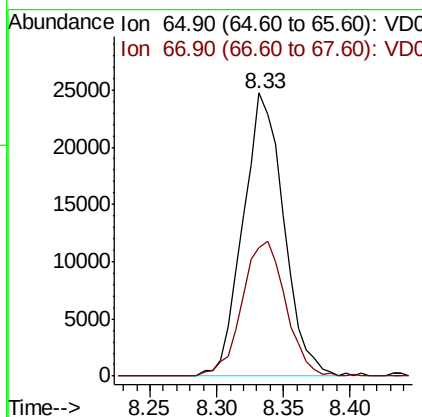
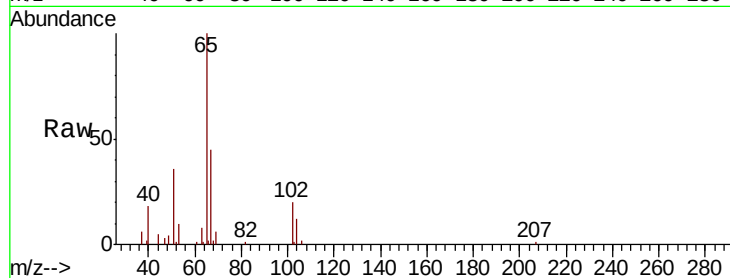




#33
 1,2-Dichloroethane-d4
 Concen: 77.289 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064273.D
 Acq: 18 Nov 2019 19:21

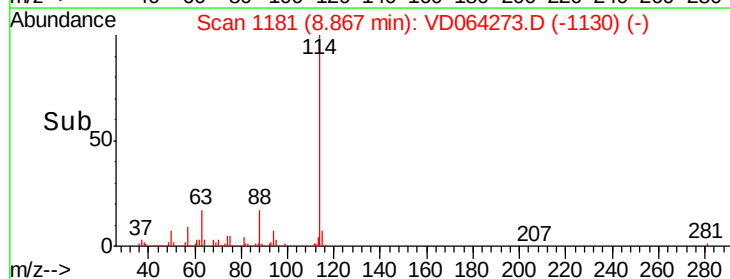
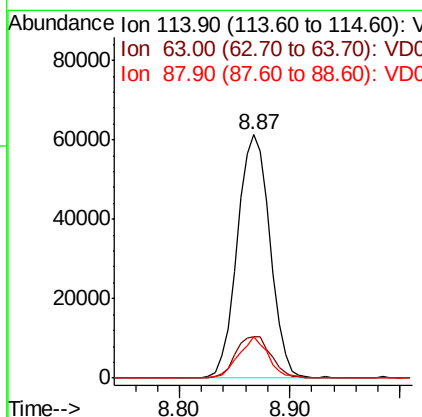
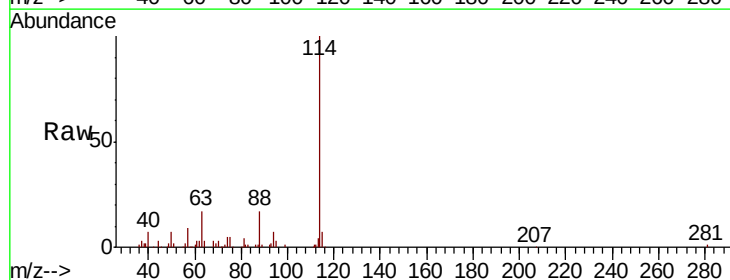
Instrument :
 MSVOA_D
 ClientSampleId :

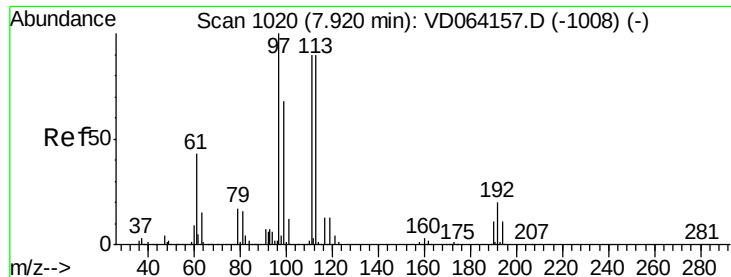
Tot Ion: 65 Resp: 52233
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064273.D
 Acq: 18 Nov 2019 19:21

Tgt Ion: 114 Resp: 128016
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 40.0
 88 17.0 0.0 30.2

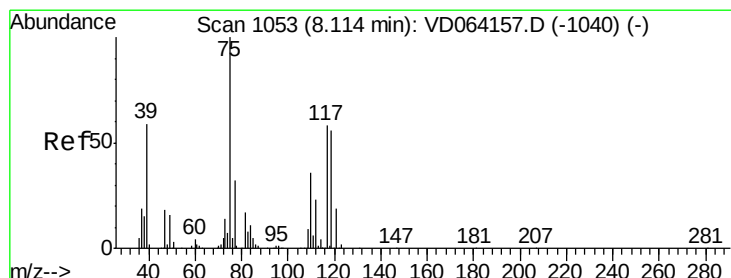
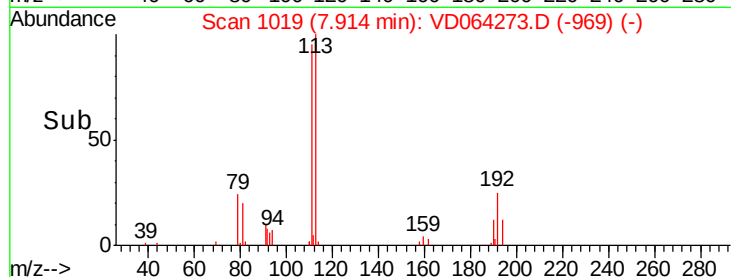
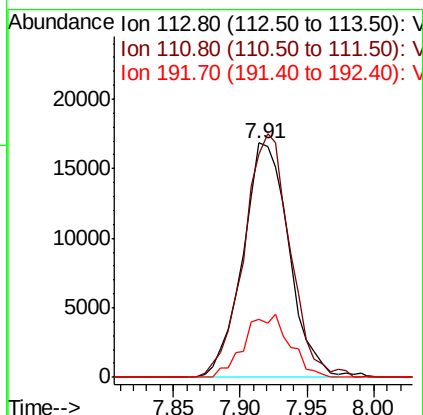
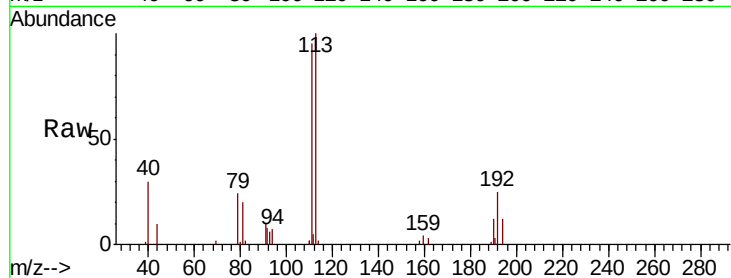




#35
 Dibromofluoromethane
 Concen: 54.781 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064273.D
 Acq: 18 Nov 2019 19:21

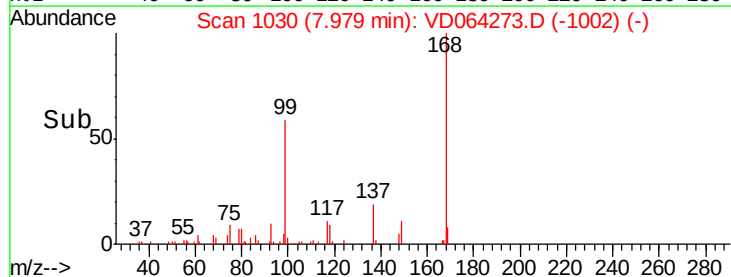
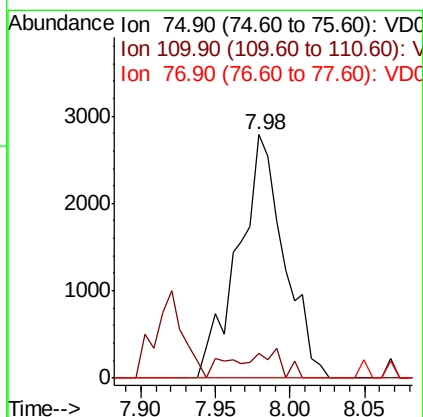
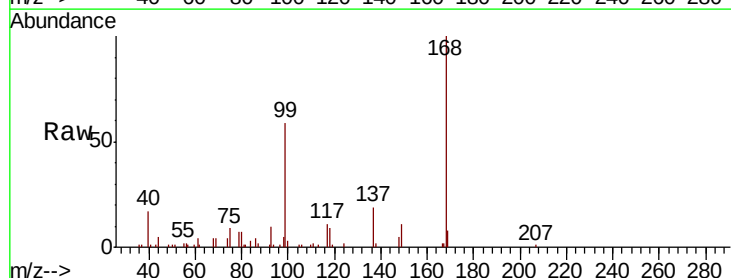
Instrument :
 MSVOA_D
 ClientSampleId :

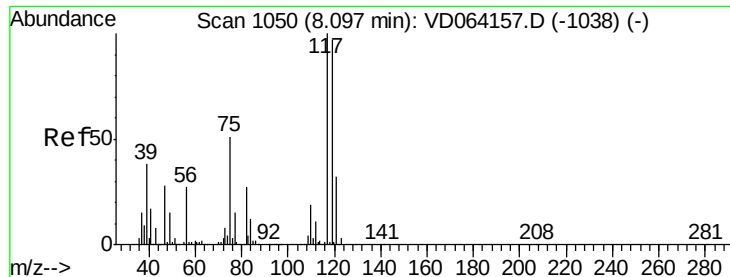
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.5	122.3
192	26.4	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 5.044 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064273.D
 Acq: 18 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.2	18.3	54.9#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.899 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064273.D

Acq: 18 Nov 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

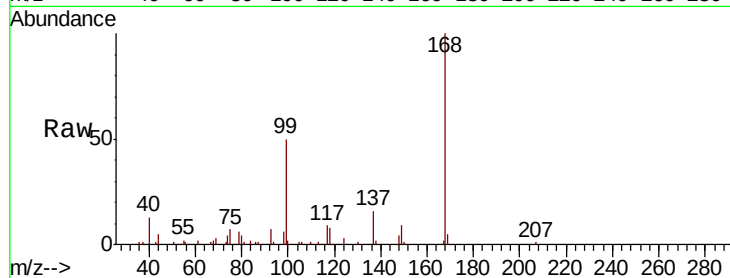
Tot Ion:117 Resp: 7457

Ion Ratio Lower Upper

117 100

119 4.8 77.2 115.8#

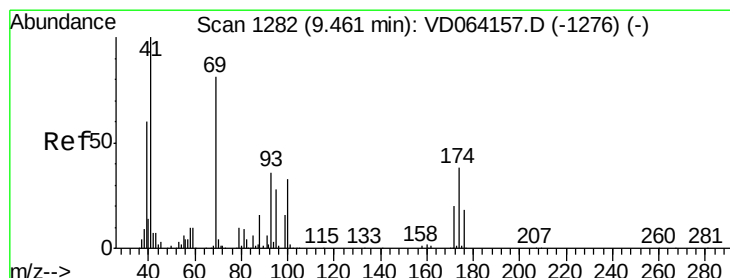
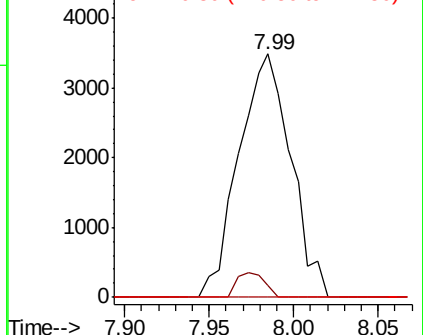
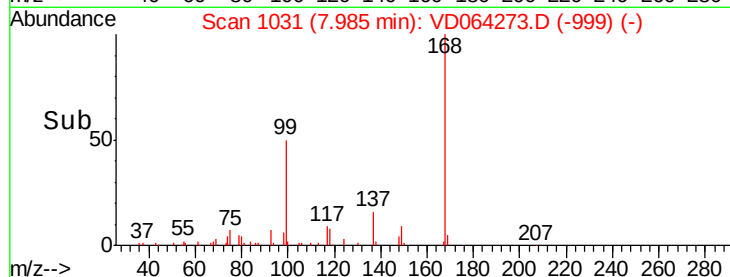
121 0.0 25.5 38.3#



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



#48

Methyl methacrylate

Concen: 1.485 ug/l

RT: 9.43 min Scan# 1276

Delta R.T. -0.04 min

Lab File: VD064273.D

Acq: 18 Nov 2019 19:21

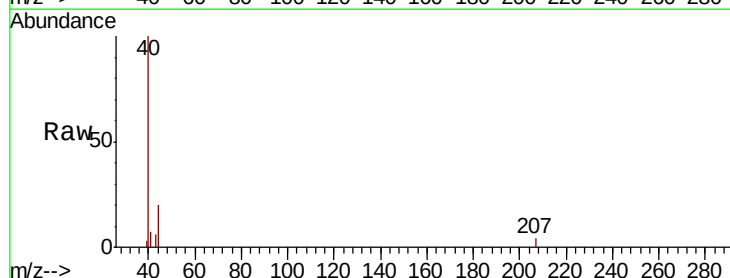
Tgt Ion: 41 Resp: 745

Ion Ratio Lower Upper

41 100

69 17.0 64.6 97.0#

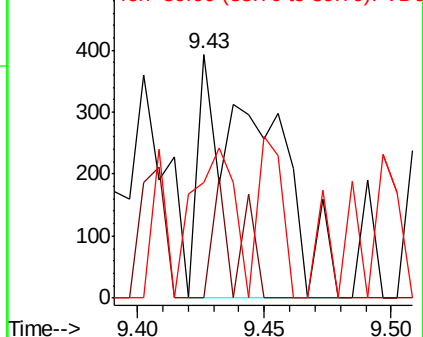
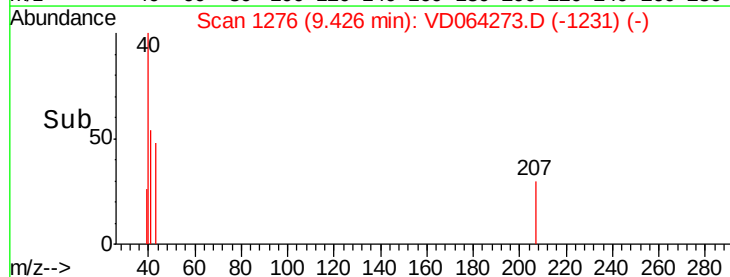
39 37.2 48.2 72.2#

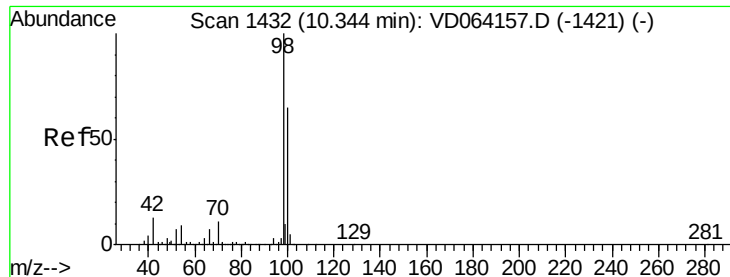


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

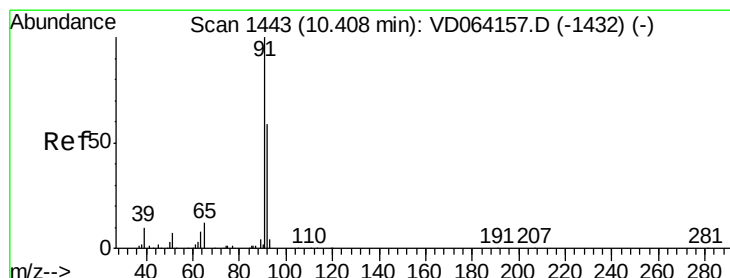
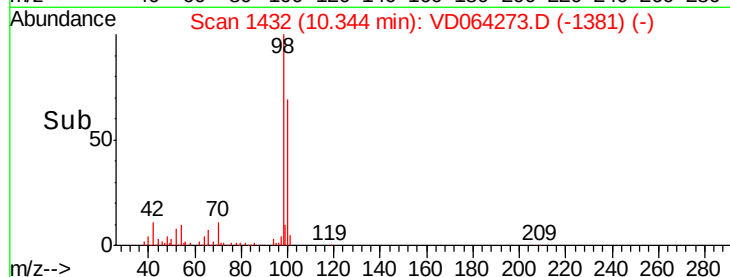
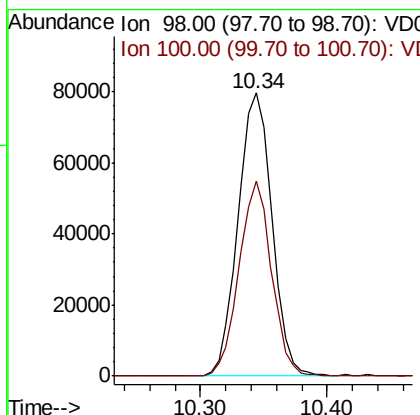
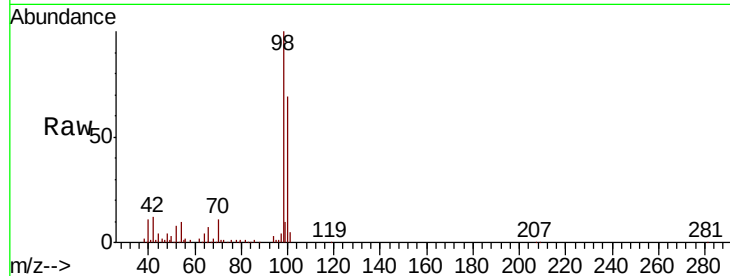




#50
Toluene-d8
Concen: 53.593 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064273.D
Acq: 18 Nov 2019 19:21

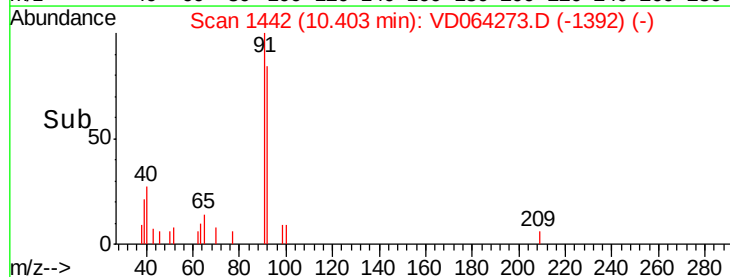
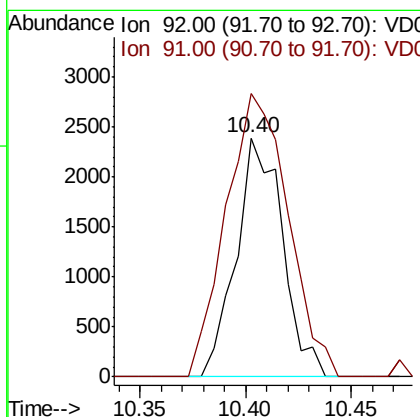
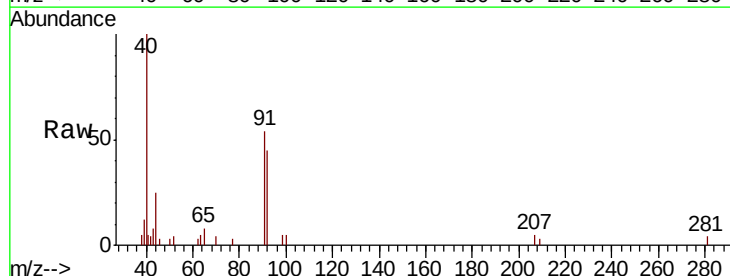
Instrument :
MSVOA_D
ClientSampleId :

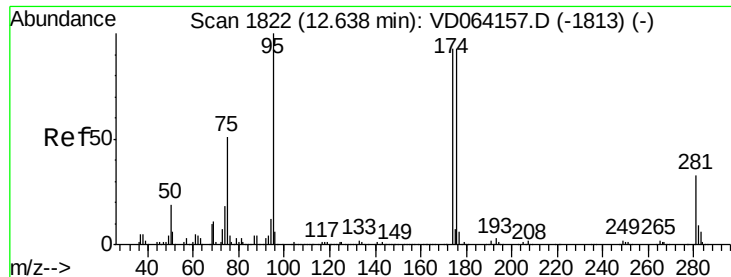
Tot Ion: 98 Resp: 148565
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



#52
Toluene
Concen: 1.711 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064273.D
Acq: 18 Nov 2019 19:21

Tgt Ion: 92 Resp: 3632
Ion Ratio Lower Upper
92 100
91 159.1 136.4 204.6

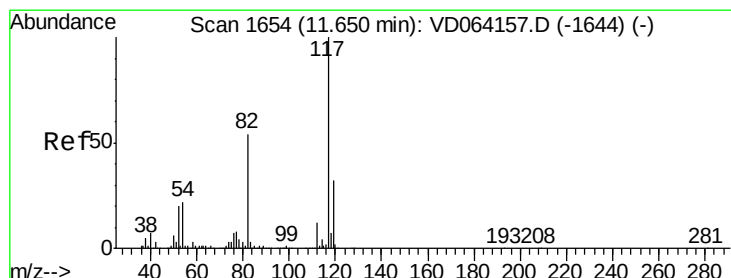
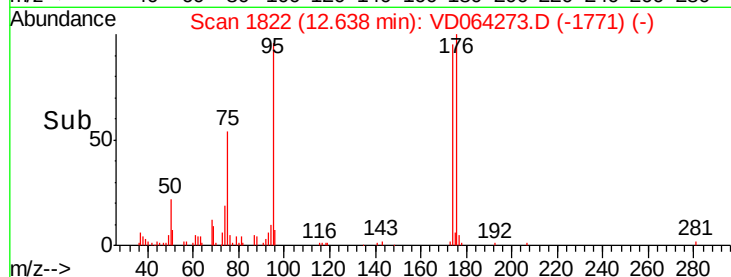
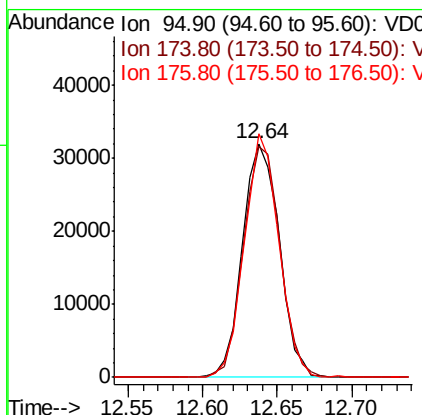
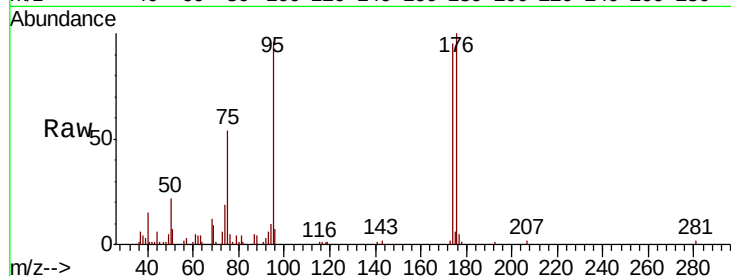




#62
4-Bromofluorobenzene
Concen: 56.932 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064273.D
Acq: 18 Nov 2019 19:21

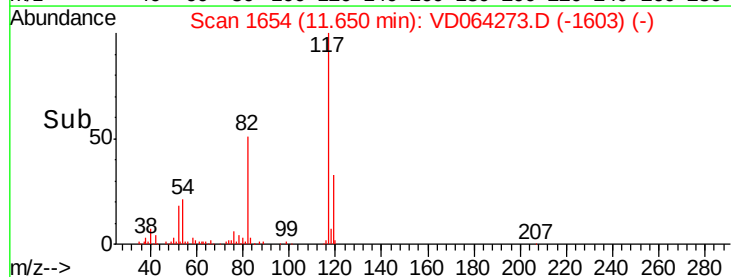
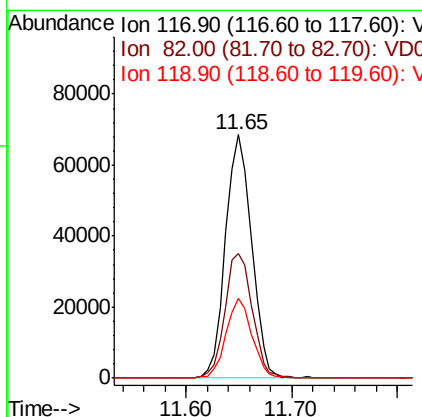
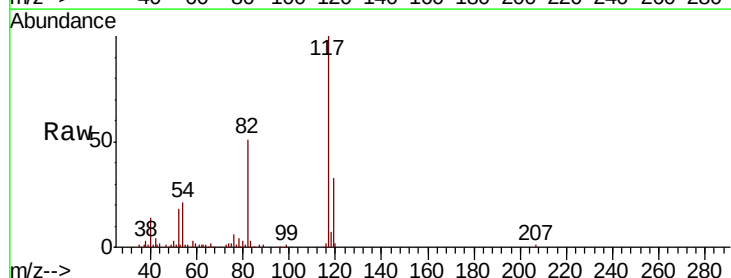
Instrument :
MSVOA_D
ClientSampleId :

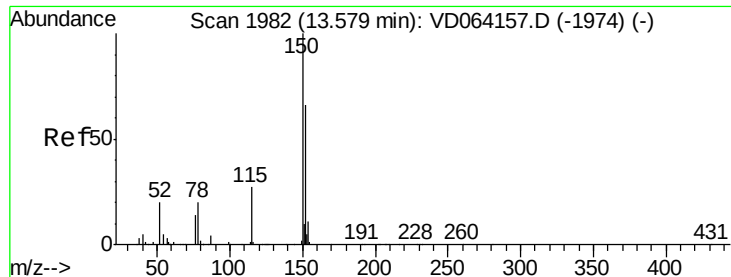
Tot Ion: 95 Resp: 54655
Ion Ratio Lower Upper
95 100
174 98.3 0.0 183.6
176 97.1 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064273.D
Acq: 18 Nov 2019 19:21

Tgt Ion: 117 Resp: 117496
Ion Ratio Lower Upper
117 100
82 51.4 42.8 64.2
119 32.7 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064273.D

Acq: 18 Nov 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

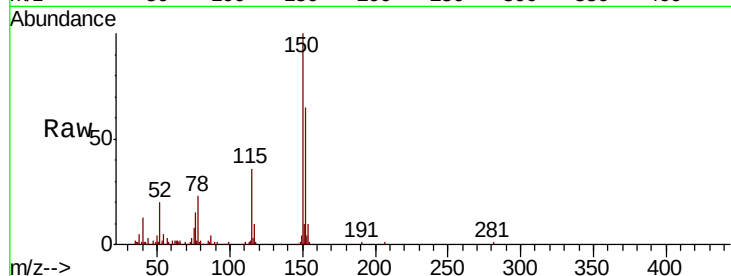
Tot Ion:152 Resp: 64663

Ion Ratio Lower Upper

152 100

115 54.4 27.4 82.2

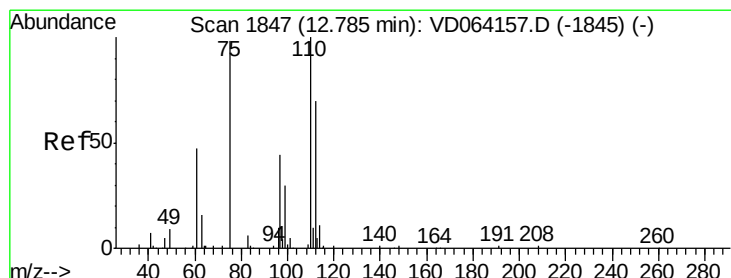
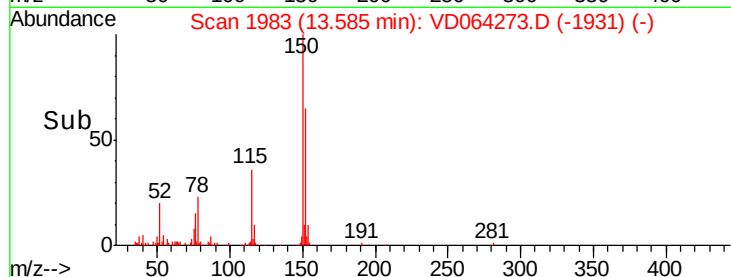
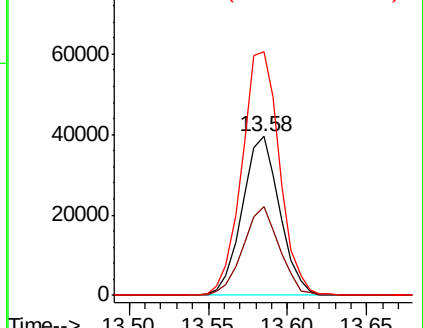
150 154.5 0.0 351.6



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: 54.072 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064273.D

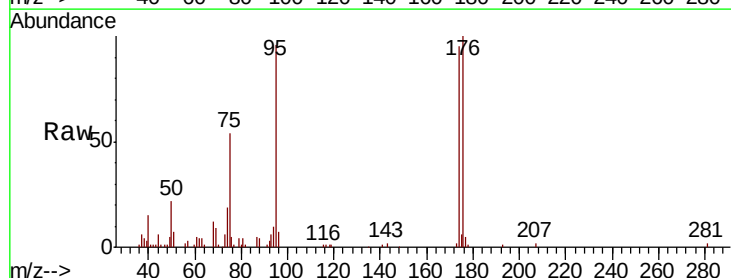
Acq: 18 Nov 2019 19:21

Tgt Ion: 75 Resp: 28163

Ion Ratio Lower Upper

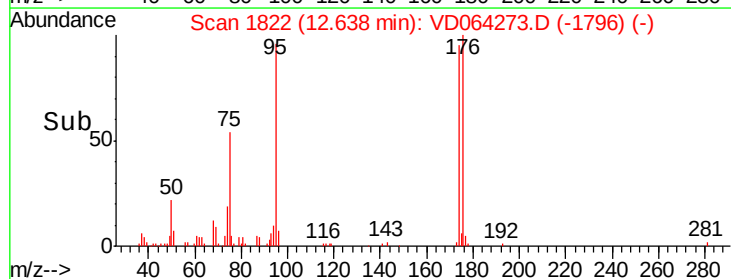
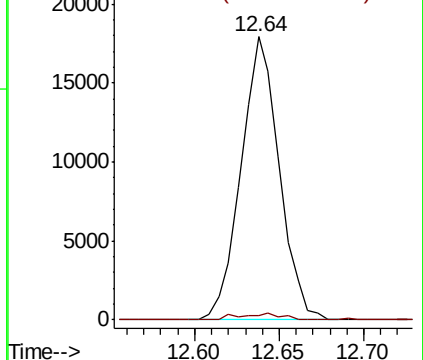
75 100

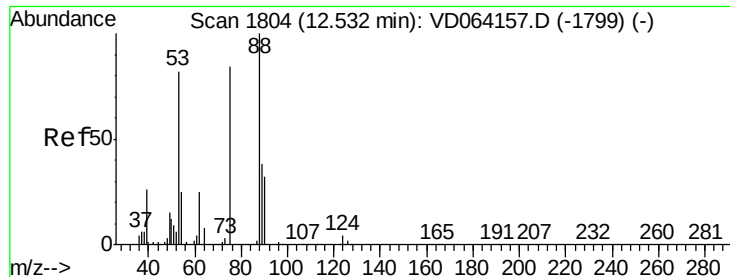
77 2.6 0.0 0.0#



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: 107.409 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064273.D

Acq: 18 Nov 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

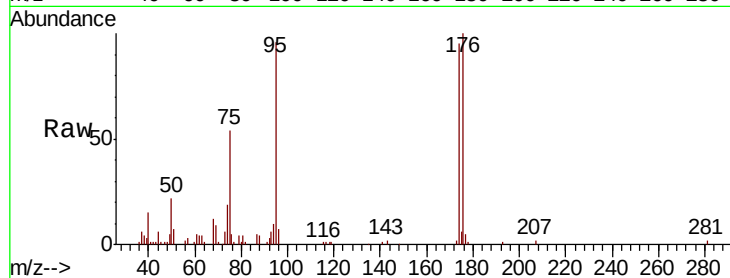
Tot Ion: 75 Resp: 28163

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

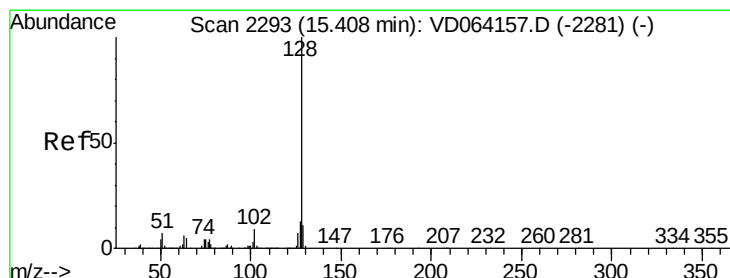
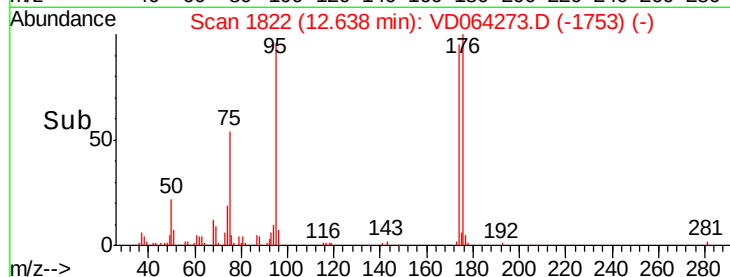
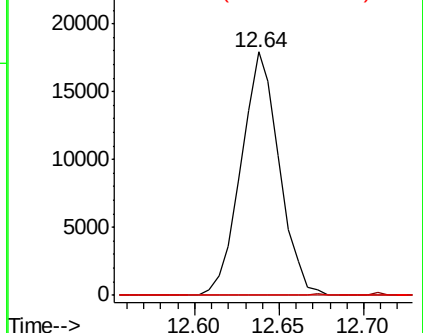
89 0.0 36.6 55.0#



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: 1.079 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD064273.D

Acq: 18 Nov 2019 19:21

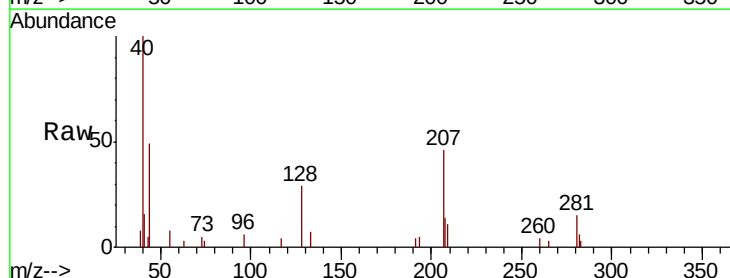
Tgt Ion: 128 Resp: 2473

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 3.5 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

