

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
 Data File : VD064983.D
 Acq On : 28 Jan 2020 18:19
 Operator : VA/SY
 Sample : L1289-17
 Misc : 9.80G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 29 01:35:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	32896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	49888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	53453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	29288	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	22598	71.62	ug/l	0.00
Spiked Amount			Recovery	=	143.24%	
35) Dibromofluoromethane	7.92	113	19955	63.65	ug/l	0.00
Spiked Amount			Recovery	=	127.30%	
50) Toluene-d8	10.34	98	59100	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	12.64	95	25042	67.63	ug/l	0.00
Spiked Amount			Recovery	=	135.26%	

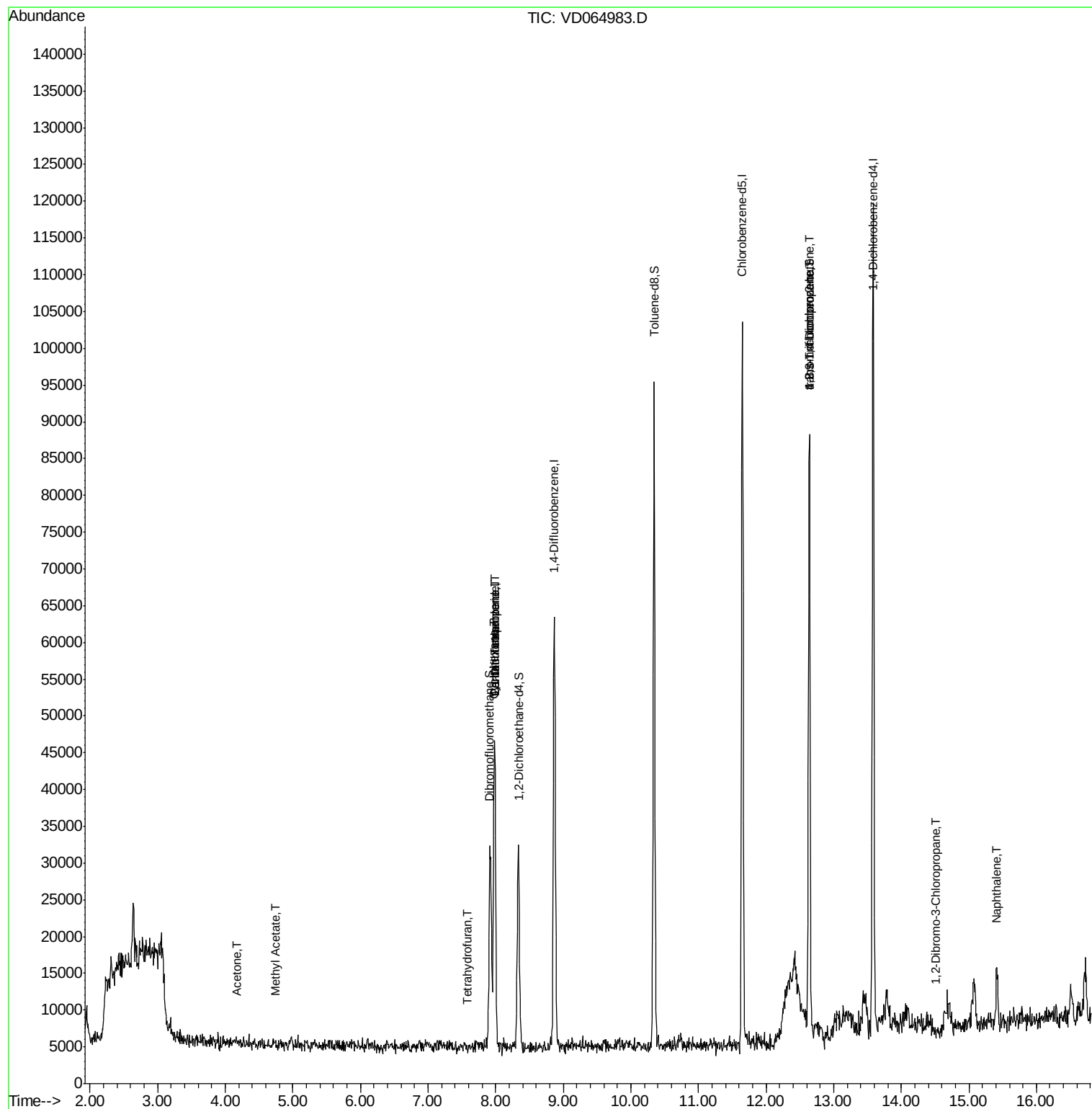
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	1131	26.003	ug/l #	45
18) Methyl Acetate	4.74	43	209	1.414	ug/l #	51
20) Methylene Chloride	4.97	84	454	Below Cal	#	25
29) Tetrahydrofuran	7.58	42	62	1.179	ug/l #	34
31) Cyclohexane	7.97	56	717	1.304	ug/l #	27
36) 1,1-Dichloropropene	7.99	75	2853	5.931	ug/l #	44
38) Carbon Tetrachloride	7.98	117	3318	6.526	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	12742	52.416	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	12742	111.921	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.51	75	63	1.170	ug/l #	1
95) Naphthalene	15.41	128	7286	8.179	ug/l #	82

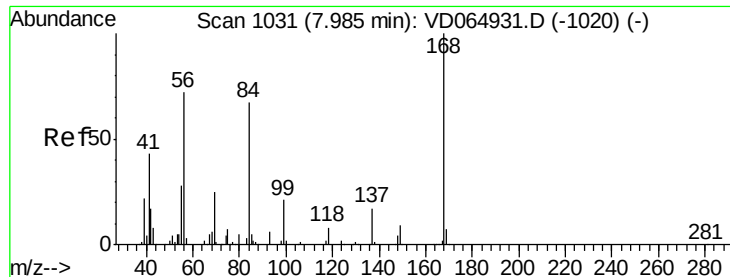
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
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: VD064983.D

Acq: 28 Jan 2020 18:19

Instrument :

MSVOA_D

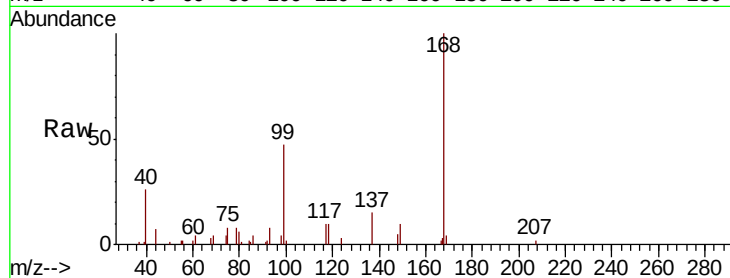
ClientSampleId :

Tot Ion:168 Resp: 32896

Ion Ratio Lower Upper

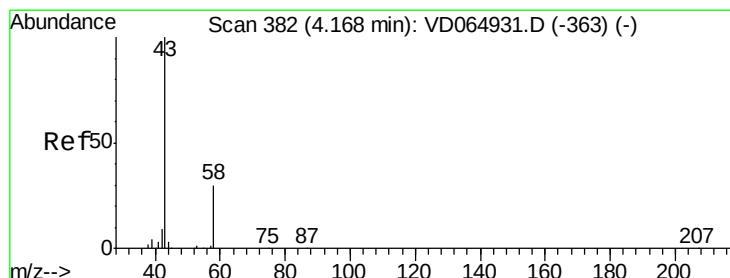
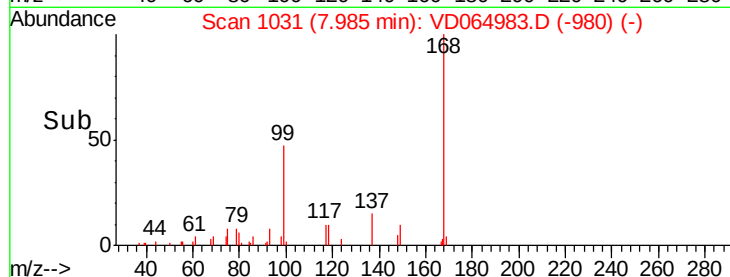
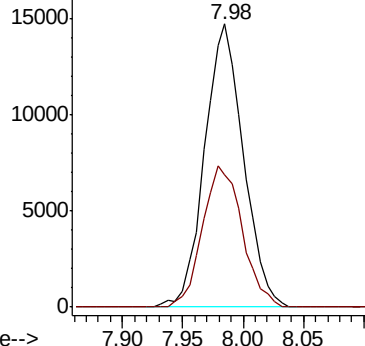
168 100

99 46.8 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 26.003 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064983.D

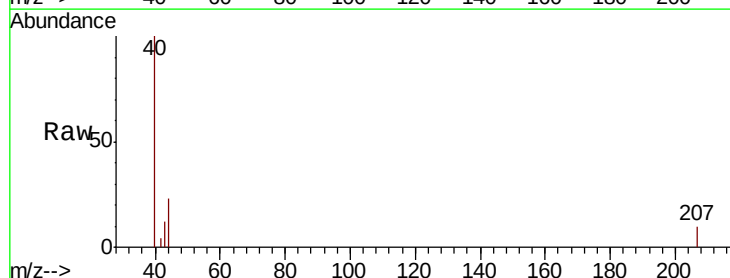
Acq: 28 Jan 2020 18:19

Tgt Ion: 43 Resp: 1131

Ion Ratio Lower Upper

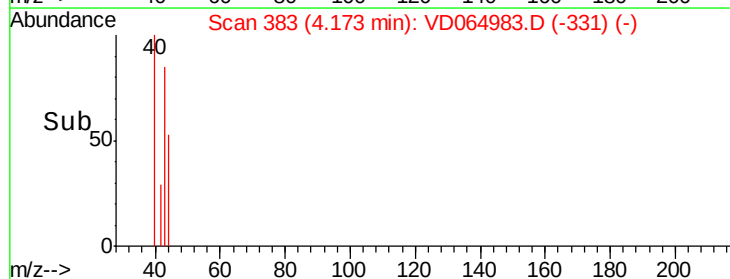
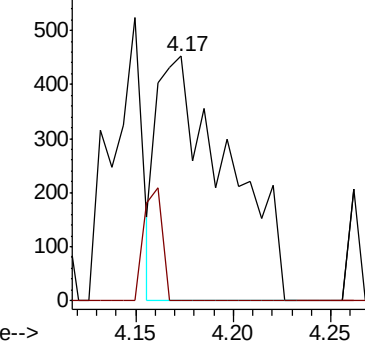
43 100

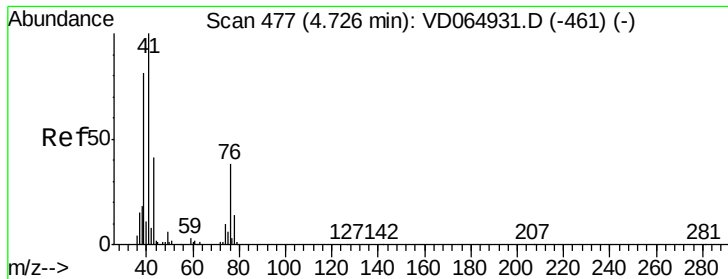
58 0.0 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

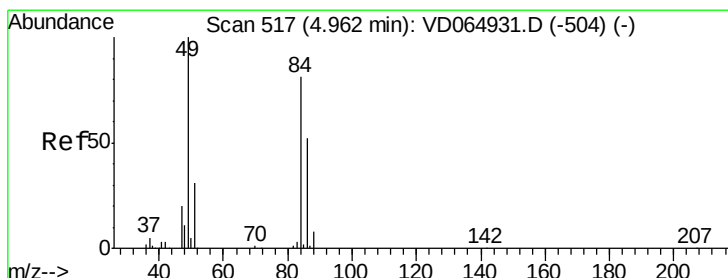
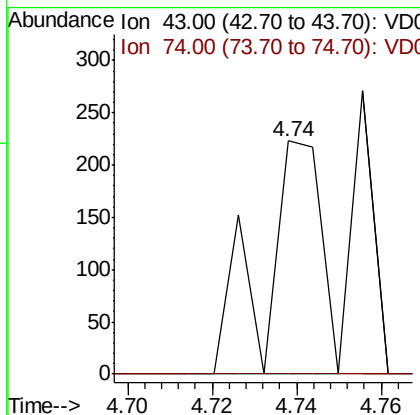
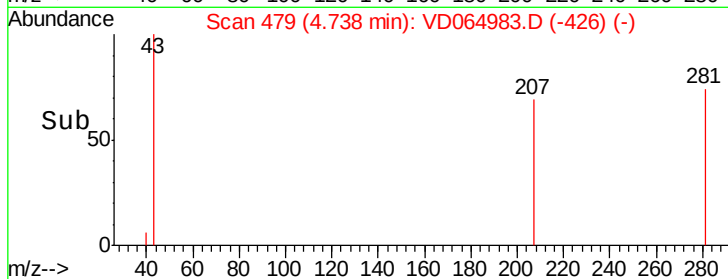
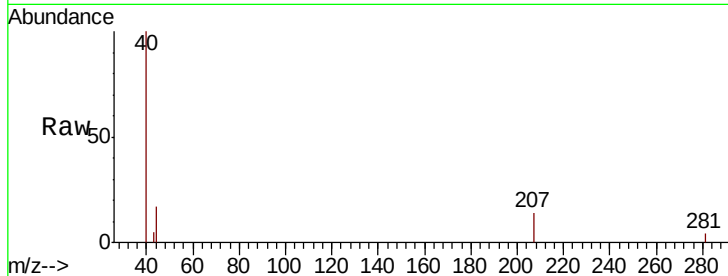




#18
Methyl Acetate
Concen: 1.414 ug/l
RT: 4.74 min Scan# 479
Delta R.T. 0.01 min
Lab File: VD064983.D
Acq: 28 Jan 2020 18:19

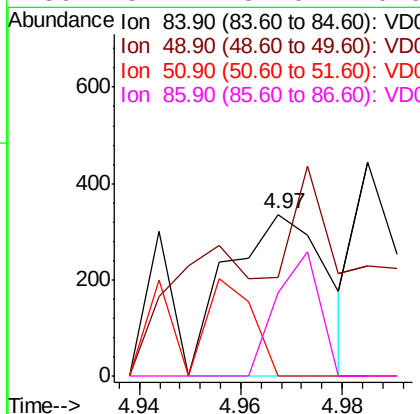
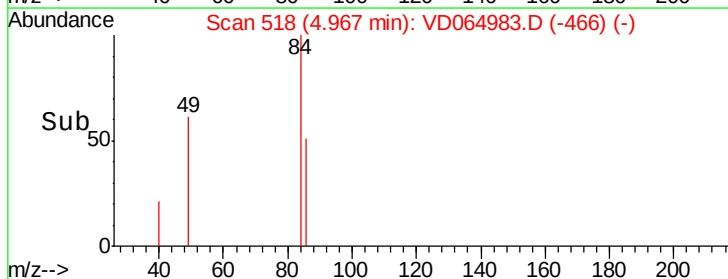
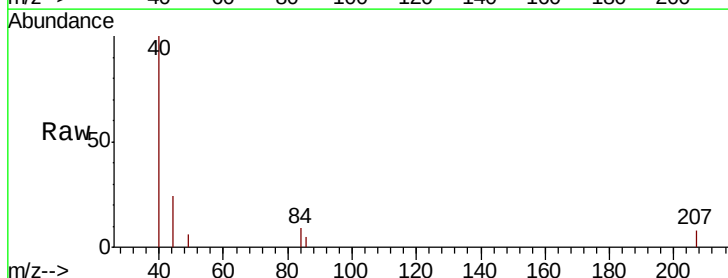
Instrument :
MSVOA_D
ClientSampled :

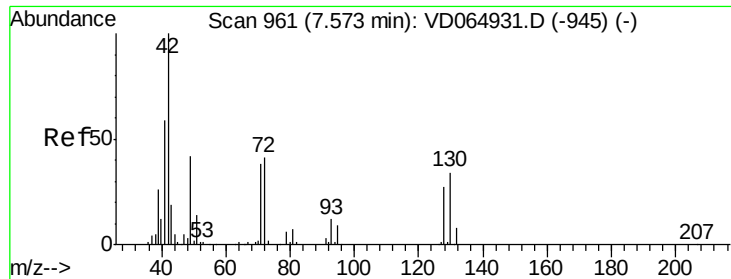
Tot Ion: 43 Resp: 209
Ion Ratio Lower Upper
43 100
74 0.0 19.1 28.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064983.D
Acq: 28 Jan 2020 18:19

Tgt Ion: 84 Resp: 454
Ion Ratio Lower Upper
84 100
49 0.0 98.4 147.6#
51 0.0 30.8 46.2#
86 51.2 51.0 76.6

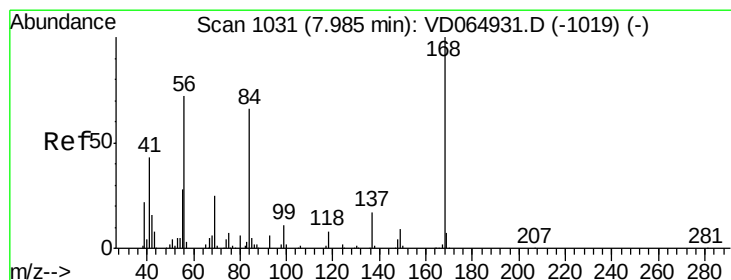
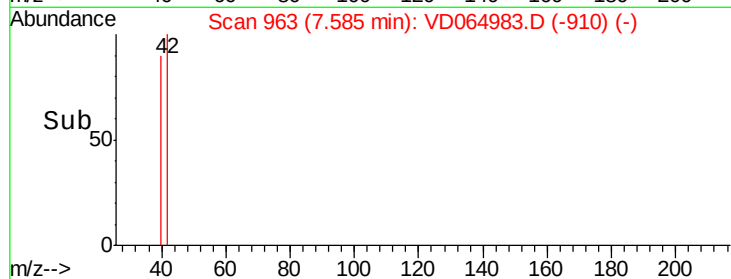
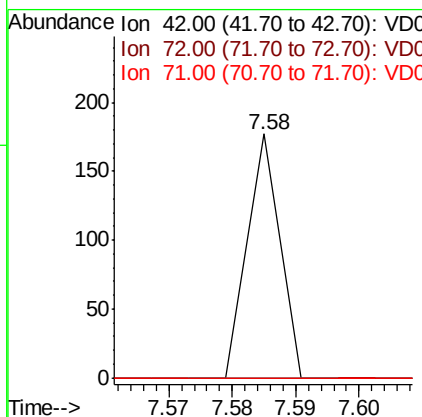
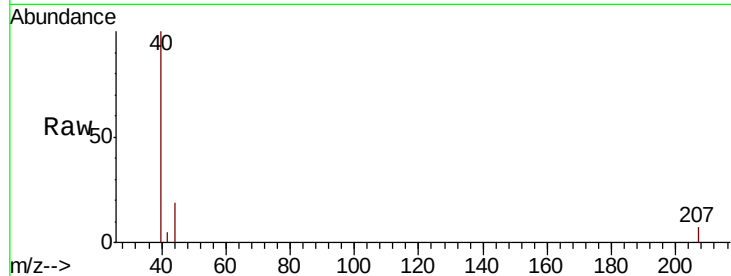




#29
Tetrahydrofuran
Concen: 1.179 ug/l
RT: 7.58 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD064983.D
Acq: 28 Jan 2020 18:19

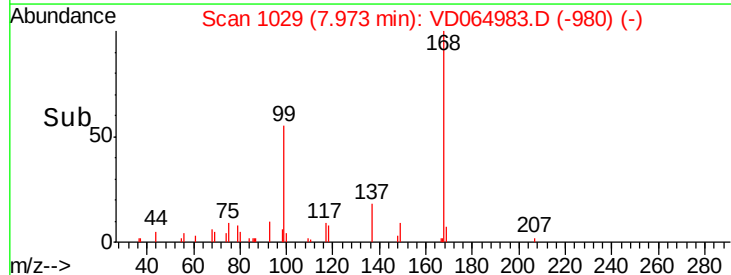
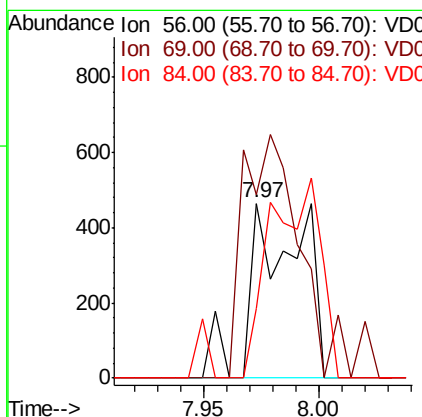
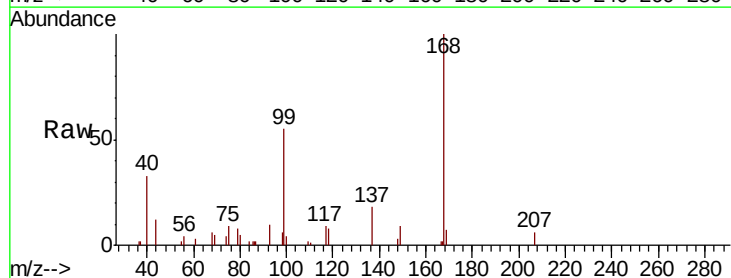
Instrument :
MSVOA_D
ClientSampleId :

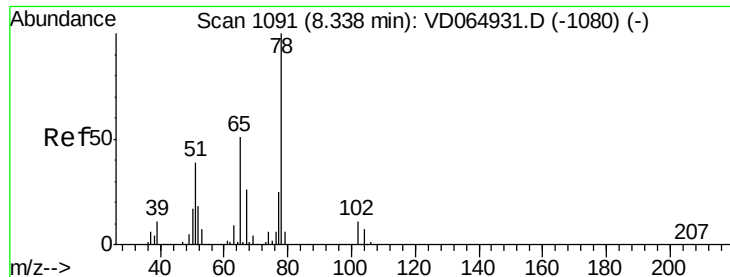
Tot Ion: 42 Resp: 62
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 0.0 31.5 47.3#



#31
Cyclohexane
Concen: 1.304 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD064983.D
Acq: 28 Jan 2020 18:19

Tgt Ion: 56 Resp: 717
Ion Ratio Lower Upper
56 100
69 105.2 27.9 41.9#
84 39.5 72.8 109.2#

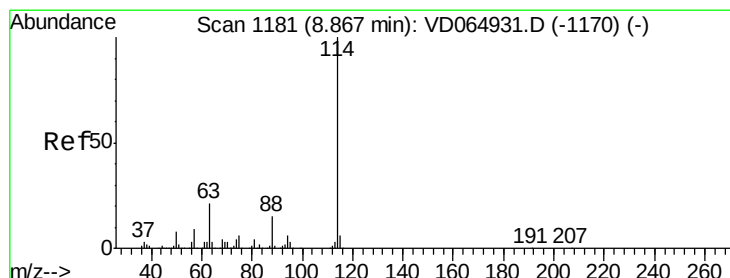
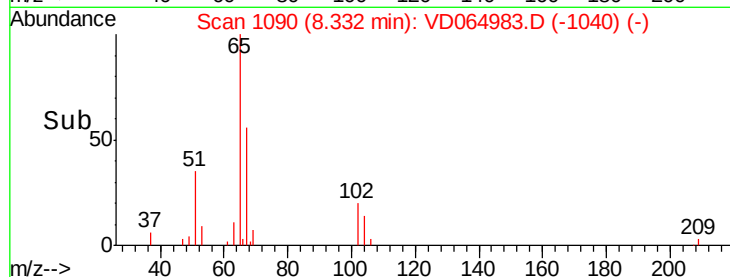
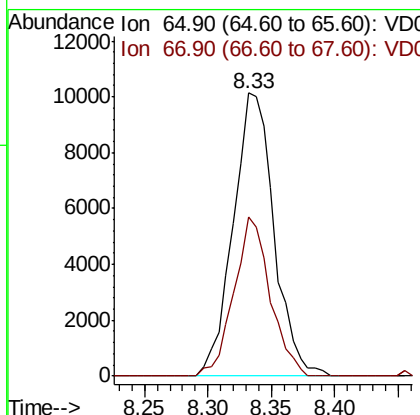
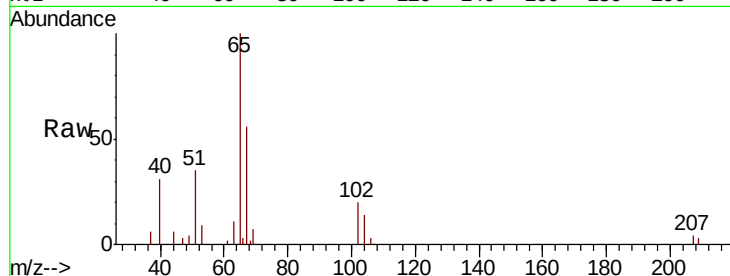




#33
 1,2-Dichloroethane-d4
 Concen: 71.616 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064983.D
 Acq: 28 Jan 2020 18:19

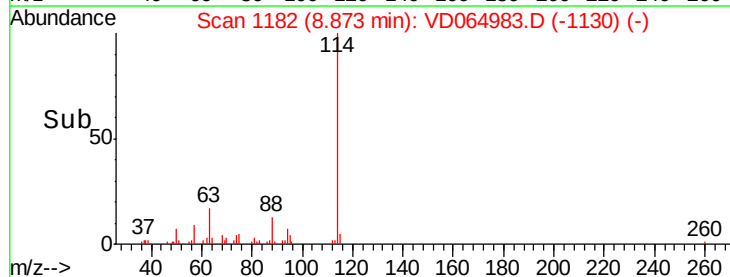
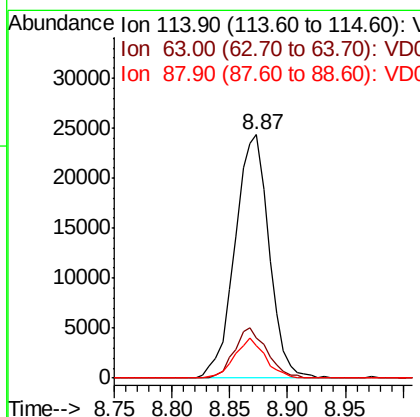
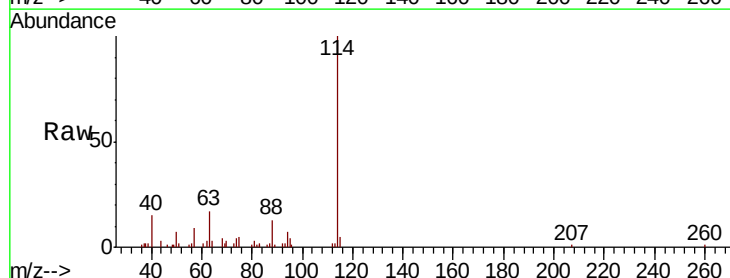
Instrument :
 MSVOA_D
 ClientSampleId :

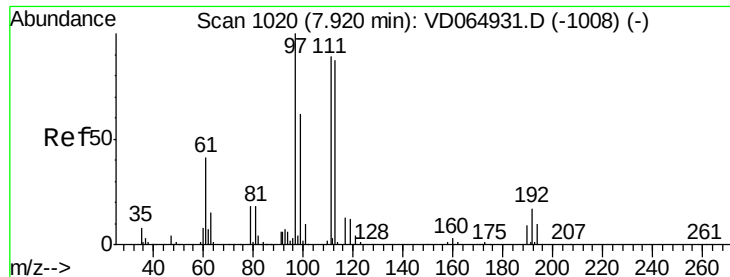
Tot Ion: 65 Resp: 22598
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD064983.D
 Acq: 28 Jan 2020 18:19

Tgt Ion: 114 Resp: 49888
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 42.0
 88 13.1 0.0 29.4





#35

Dibromofluoromethane

Concen: 63.652 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064983.D

Acq: 28 Jan 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

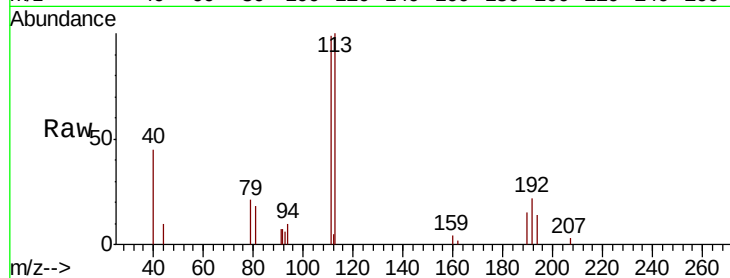
Tot Ion:113 Resp: 19955

Ion Ratio Lower Upper

113 100

111 95.3 82.4 123.6

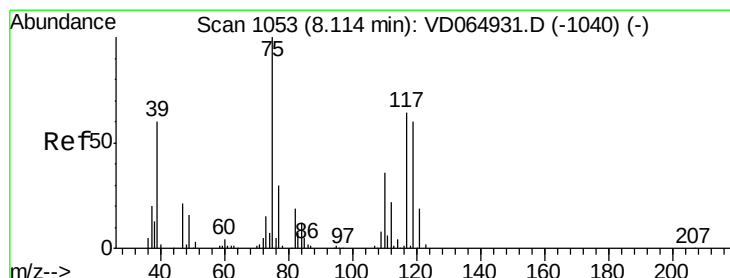
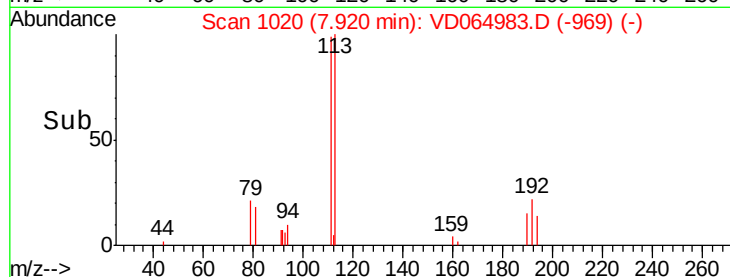
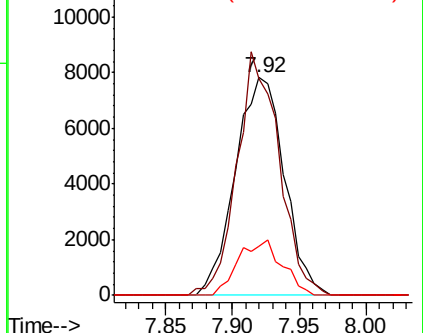
192 22.7 16.9 25.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.931 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.12 min

Lab File: VD064983.D

Acq: 28 Jan 2020 18:19

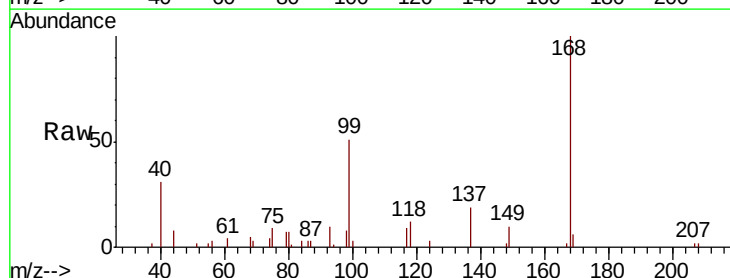
Tgt Ion: 75 Resp: 2853

Ion Ratio Lower Upper

75 100

110 2.0 17.3 52.0#

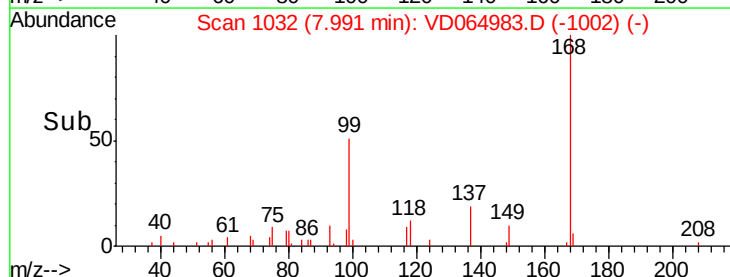
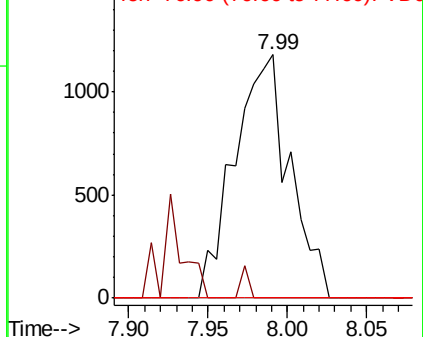
77 0.0 24.7 37.1#

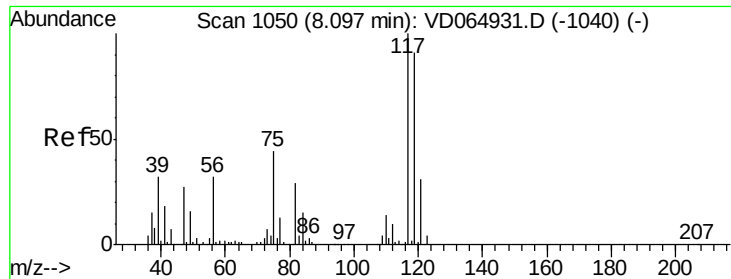


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

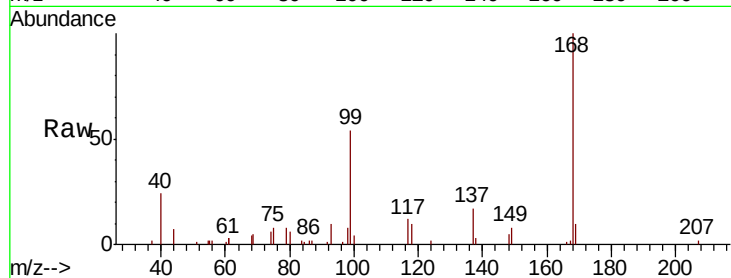




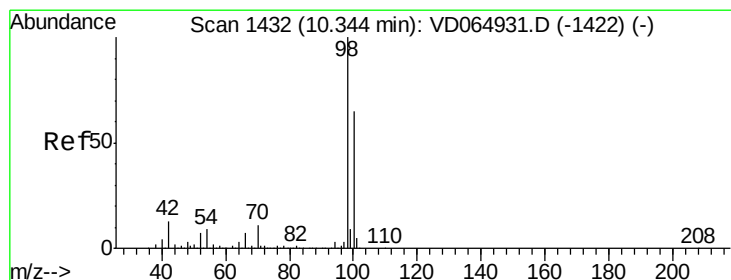
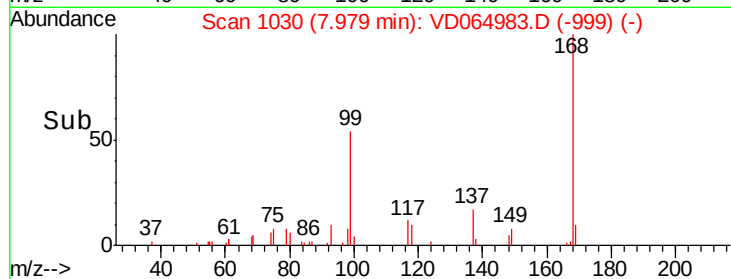
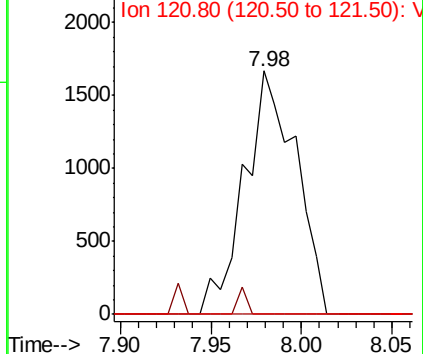
#38
Carbon Tetrachloride
Concen: 6.526 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064983.D
Acq: 28 Jan 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 3318
Ion Ratio Lower Upper
117 100
119 0.0 73.2 109.8#
121 0.0 24.4 36.6#

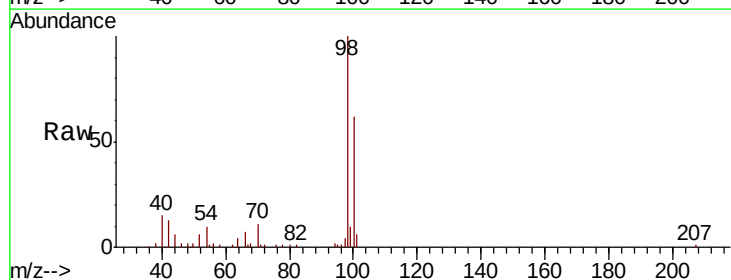


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

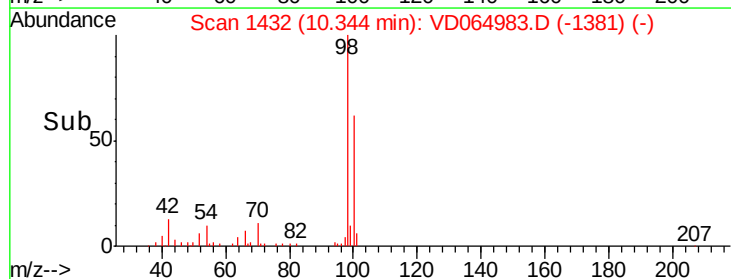
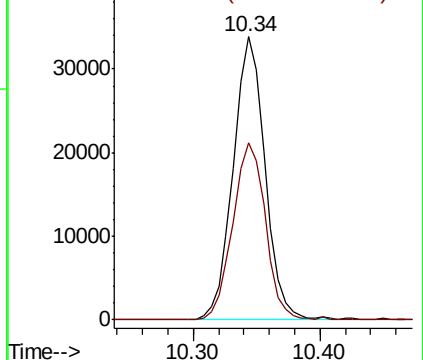


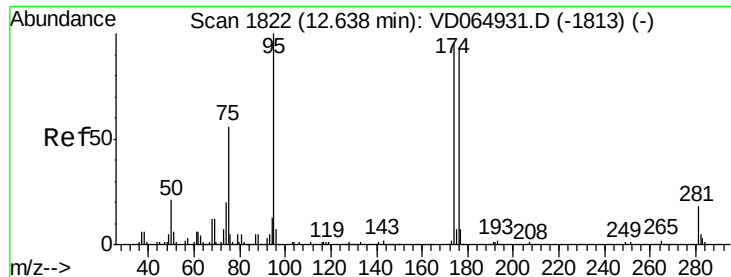
#50
Toluene-d8
Concen: 48.843 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064983.D
Acq: 28 Jan 2020 18:19

Tgt Ion: 98 Resp: 59100
Ion Ratio Lower Upper
98 100
100 63.9 52.3 78.5



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





#62

4-Bromofluorobenzene

Concen: 67.629 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD064983.D

Acq: 28 Jan 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

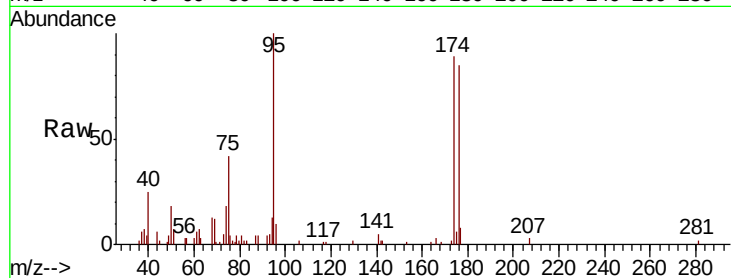
Tot Ion: 95 Resp: 25042

Ion Ratio Lower Upper

95 100

174 89.7 0.0 186.8

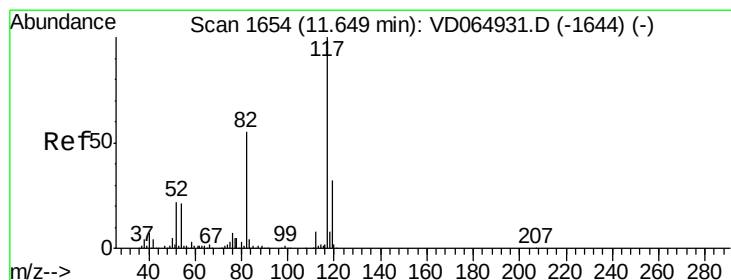
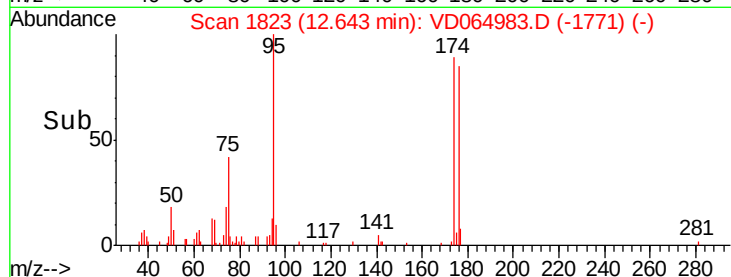
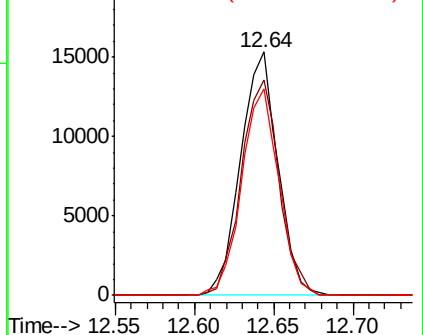
176 84.9 0.0 183.4



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: VD064983.D

Acq: 28 Jan 2020 18:19

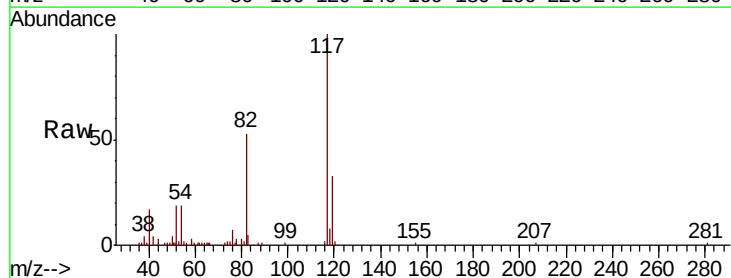
Tgt Ion: 117 Resp: 53453

Ion Ratio Lower Upper

117 100

82 52.7 43.6 65.4

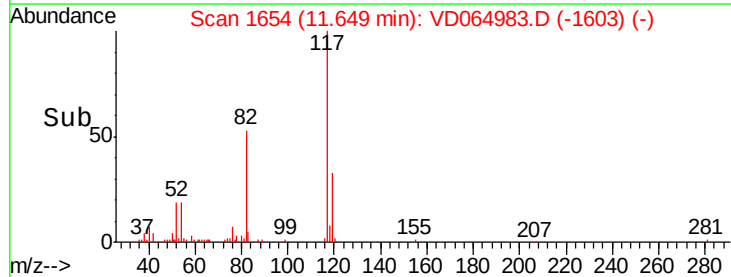
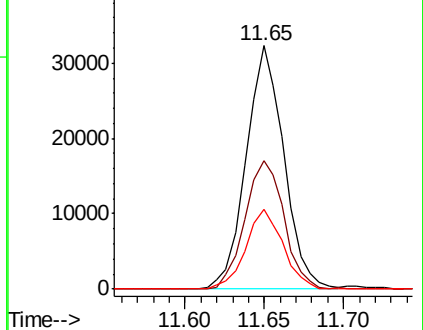
119 32.9 25.2 37.8

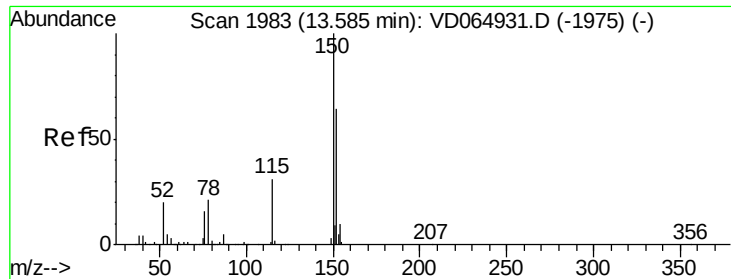


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



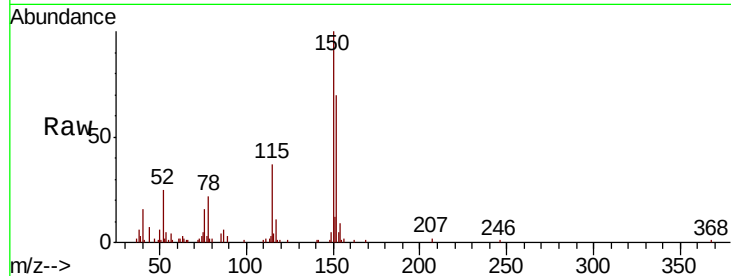


#72

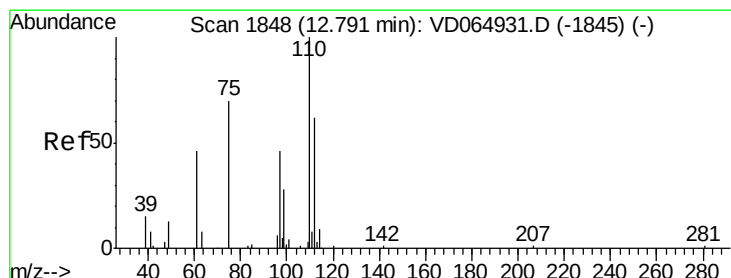
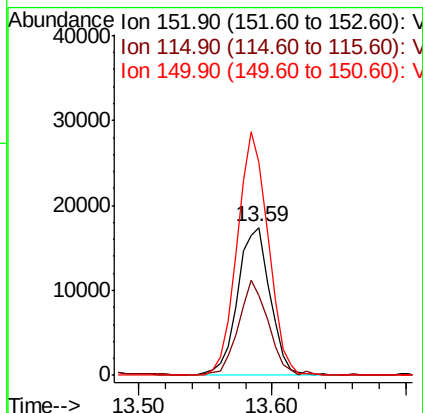
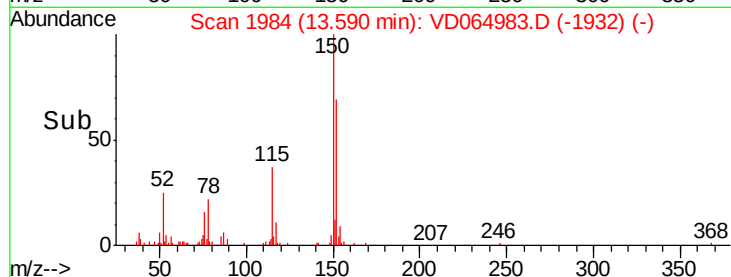
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.59 min Scan# 1984
Delta R.T. 0.01 min
Lab File: VD064983.D
Acq: 28 Jan 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.3	28.1	84.4
150	157.0	0.0	350.4



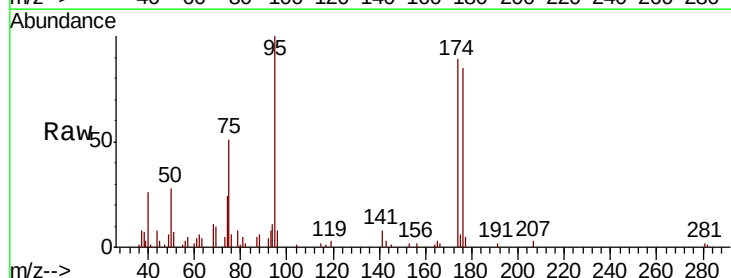
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



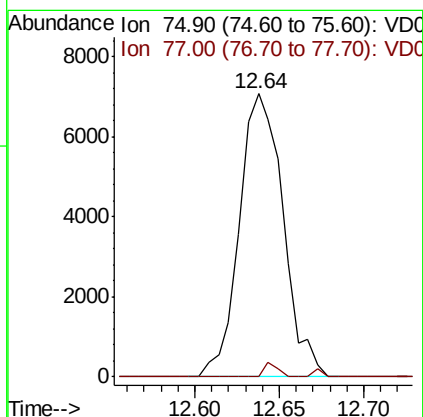
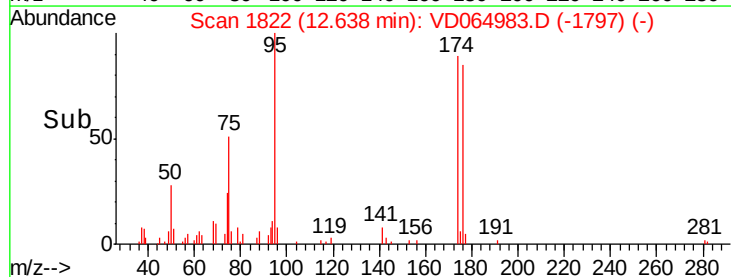
#76

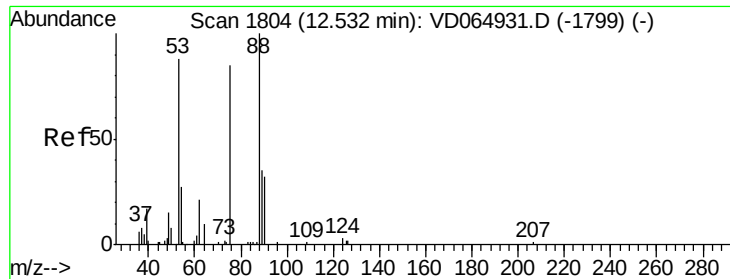
1,2,3-Trichloropropane
Concen: 52.416 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064983.D
Acq: 28 Jan 2020 18:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	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: 111.921 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064983.D

Acq: 28 Jan 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

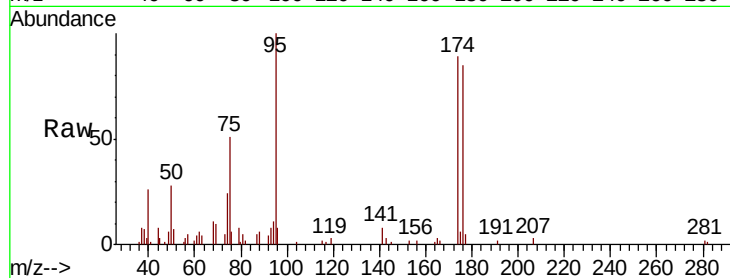
Tot Ion: 75 Resp: 12742

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

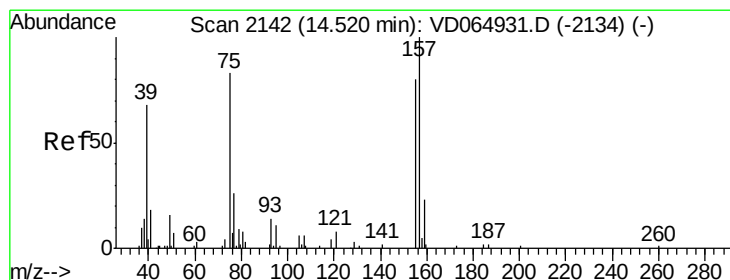
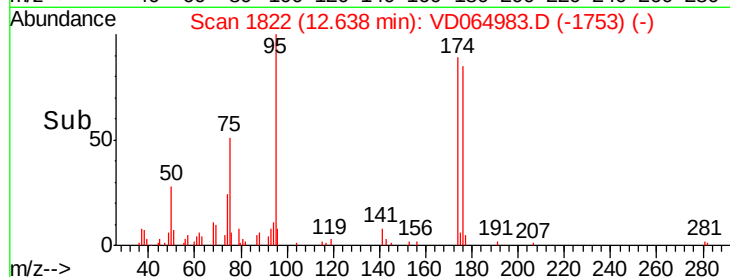
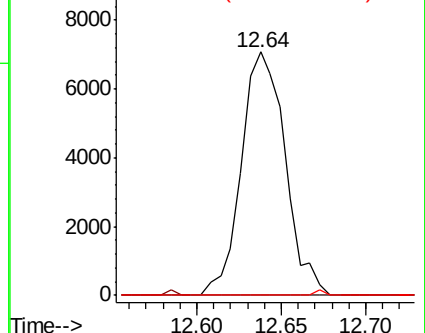
89 0.0 36.2 54.4#



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: 1.170 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD064983.D

Acq: 28 Jan 2020 18:19

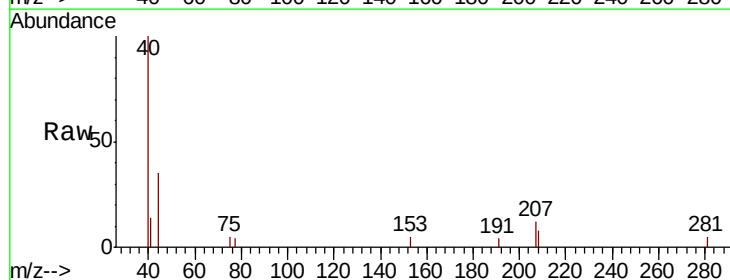
Tgt Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

155 181.0 44.9 134.7#

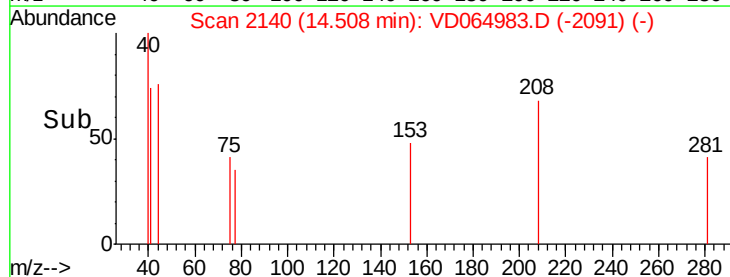
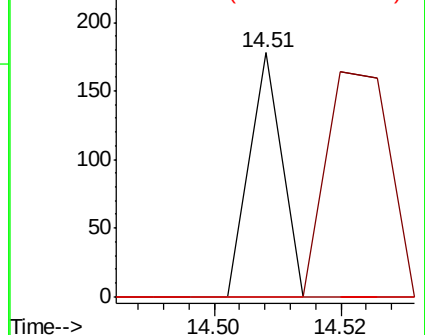
157 0.0 58.9 176.6#

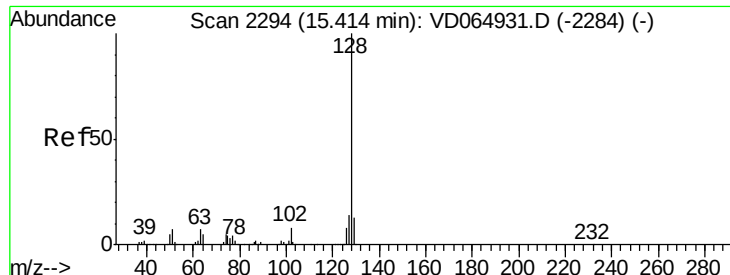


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 8.179 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

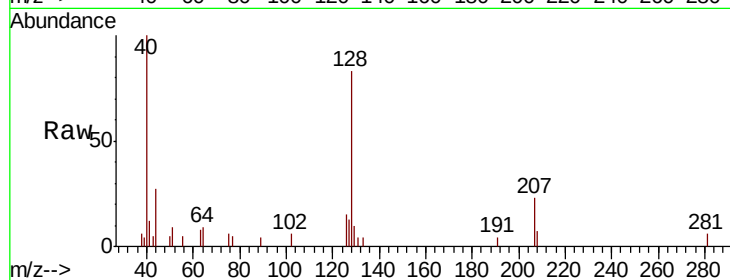
Lab File: VD064983.D

Acq: 28 Jan 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :



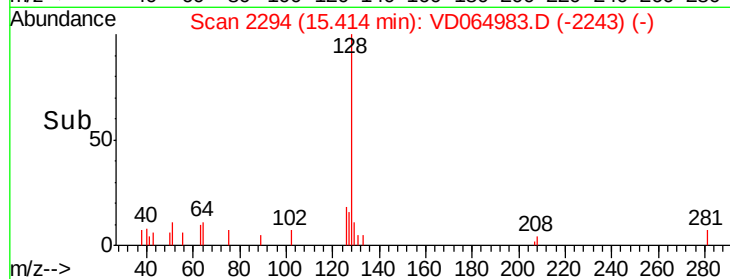
Tot Ion:128 Resp: 7286

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 11.2 9.3 13.9



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

