

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064297.D
 Acq On : 19 Nov 2019 18:46
 Operator : VA/SY
 Sample : K5927-07
 Misc : 7.09G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 20 03:28:12 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	758811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1103919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	979591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	487331	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	336959	53.99	ug/l	0.00
Spiked Amount			Recovery	=	107.98%	
35) Dibromofluoromethane	7.92	113	338964	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
50) Toluene-d8	10.34	98	1286613	53.82	ug/l	0.00
Spiked Amount			Recovery	=	107.64%	
62) 4-Bromofluorobenzene	12.64	95	421317	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	

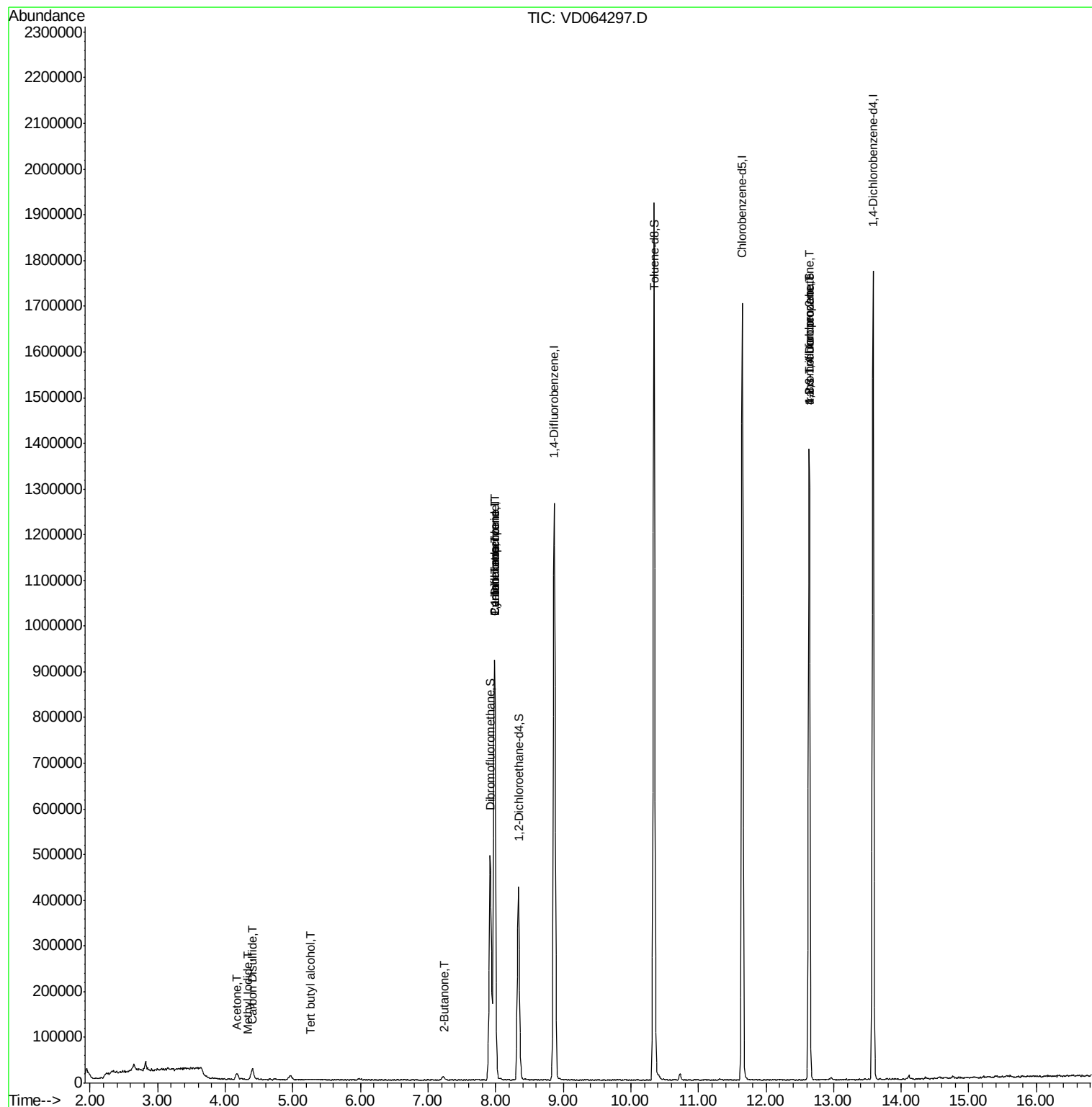
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.33	142	119	2.046	ug/l #	89
11) Tert butyl alcohol	5.26	59	2263	5.192	ug/l #	90
16) Acetone	4.18	43	23795	16.095	ug/l	89
17) Carbon Disulfide	4.40	76	47620	2.398	ug/l	97
25) 2-Butanone	7.24	43	6221	3.257	ug/l #	79
31) Cyclohexane	7.99	56	14691	1.199	ug/l #	19
36) 1,1-Dichloropropene	7.98	75	50938	5.000	ug/l #	49
38) Carbon Tetrachloride	7.98	117	67092	6.154	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	221541	56.439	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	221541	112.110	ug/l #	10

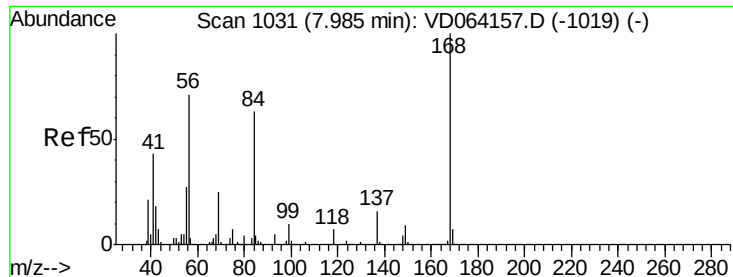
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111919\
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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: VD064297.D

Acq: 19 Nov 2019 18:46

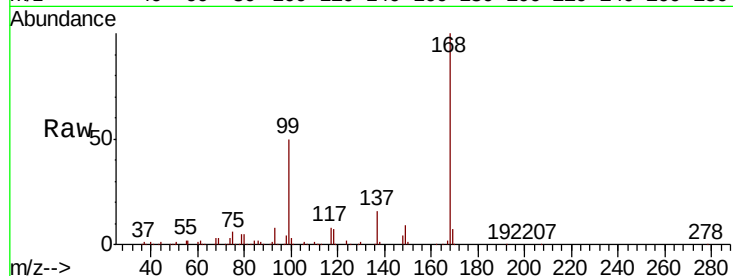
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 758811

Ion Ratio Lower Upper

168 100

99 49.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.99

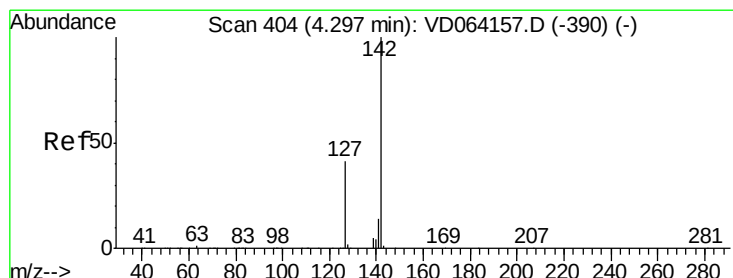
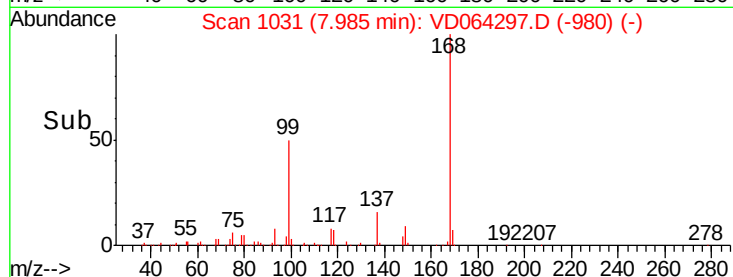
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.046 ug/l

RT: 4.33 min Scan# 409

Delta R.T. 0.03 min

Lab File: VD064297.D

Acq: 19 Nov 2019 18:46

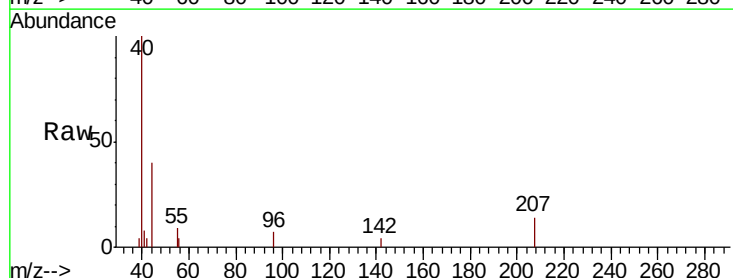
Tgt Ion:142 Resp: 119

Ion Ratio Lower Upper

142 100

127 45.4 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

200

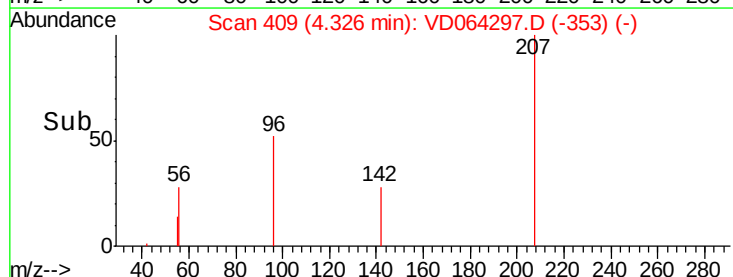
150

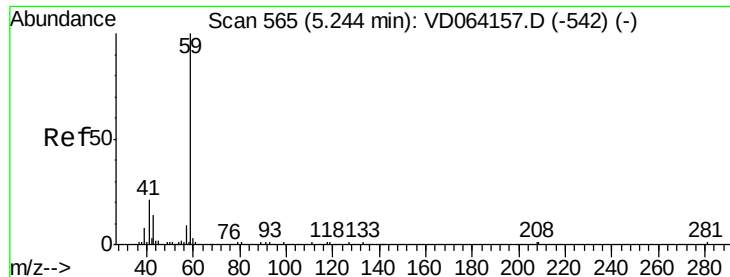
100

50

0

Time-->

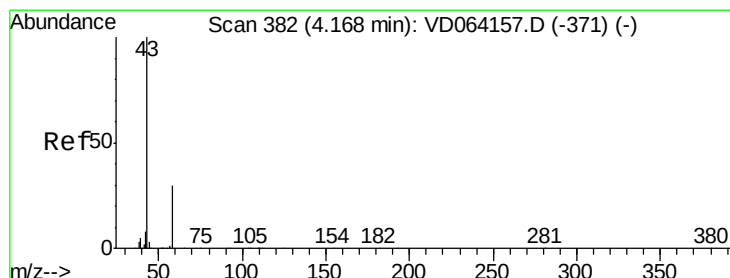
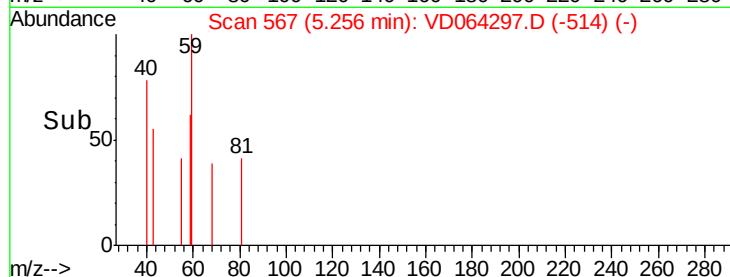
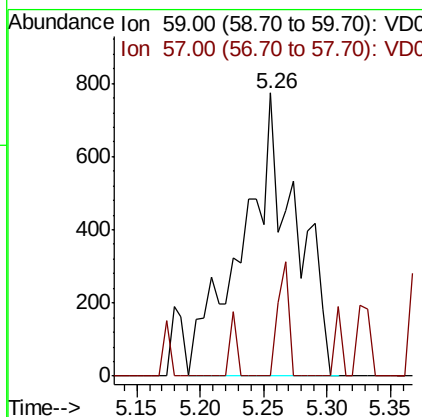
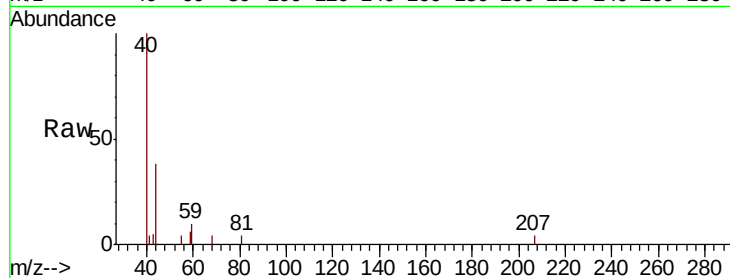




#11
Tert butyl alcohol
Concen: 5.192 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064297.D
Acq: 19 Nov 2019 18:46

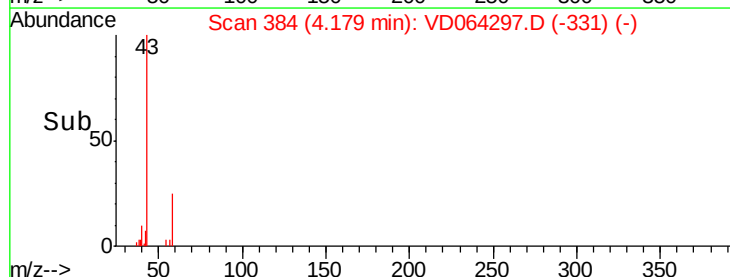
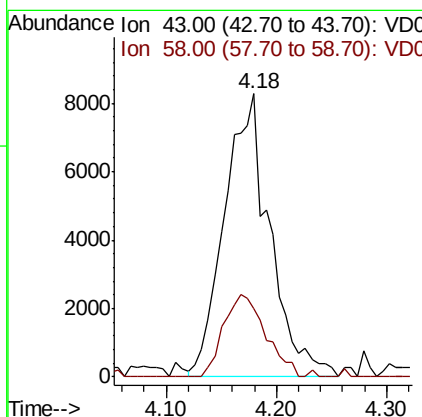
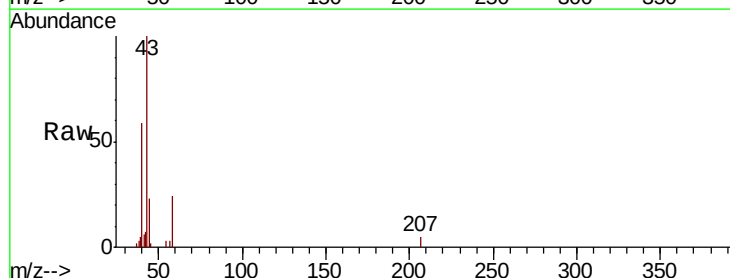
Instrument :
MSVOA_D
ClientSampled :

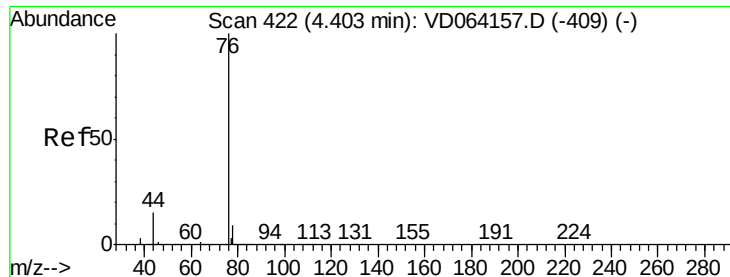
Tot Ion: 59 Resp: 2263
Ion Ratio Lower Upper
59 100
57 8.0 9.4 14.2#



#16
Acetone
Concen: 16.095 ug/l
RT: 4.18 min Scan# 384
Delta R.T. 0.01 min
Lab File: VD064297.D
Acq: 19 Nov 2019 18:46

Tgt Ion: 43 Resp: 23795
Ion Ratio Lower Upper
43 100
58 24.1 24.1 36.1





#17

Carbon Disulfide

Concen: 2.398 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD064297.D

Acq: 19 Nov 2019 18:46

Instrument :

MSVOA_D

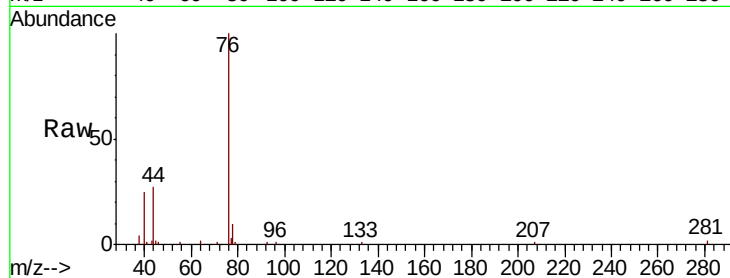
ClientSampleId :

Tot Ion: 76 Resp: 47620

Ion Ratio Lower Upper

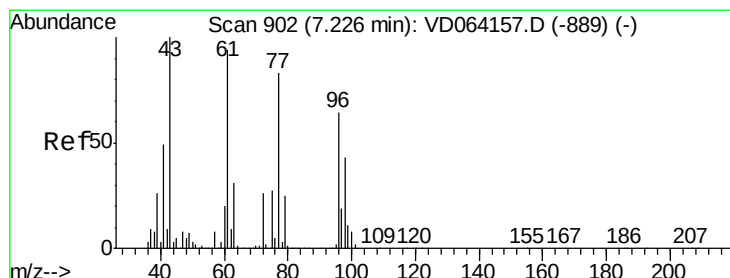
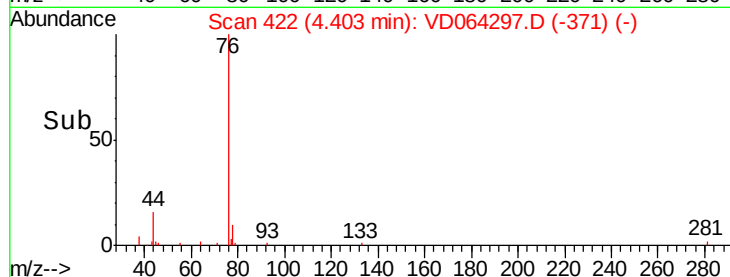
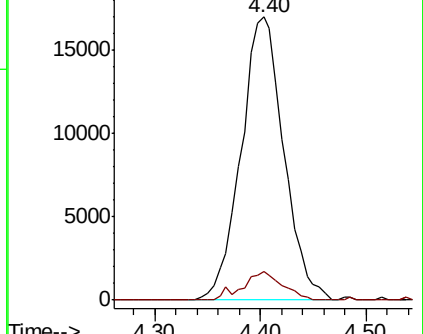
76 100

78 10.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#25

2-Butanone

Concen: 3.257 ug/l

RT: 7.24 min Scan# 905

Delta R.T. 0.02 min

Lab File: VD064297.D

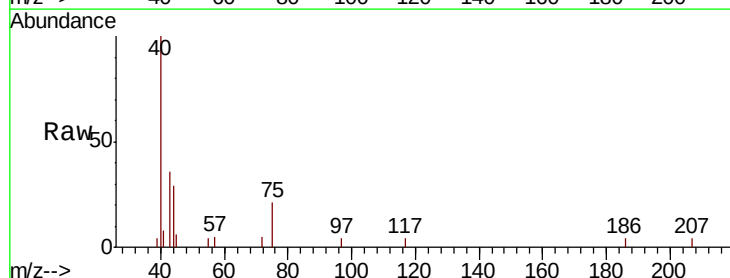
Acq: 19 Nov 2019 18:46

Tgt Ion: 43 Resp: 6221

Ion Ratio Lower Upper

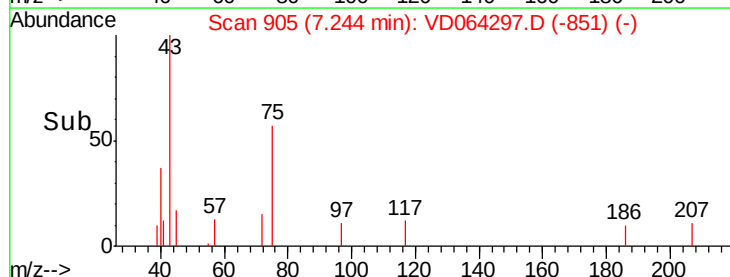
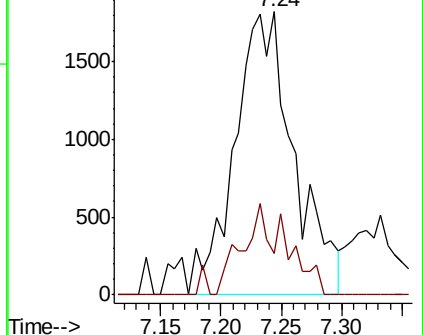
43 100

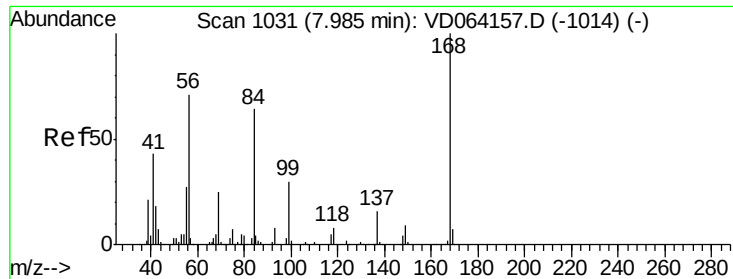
72 14.8 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

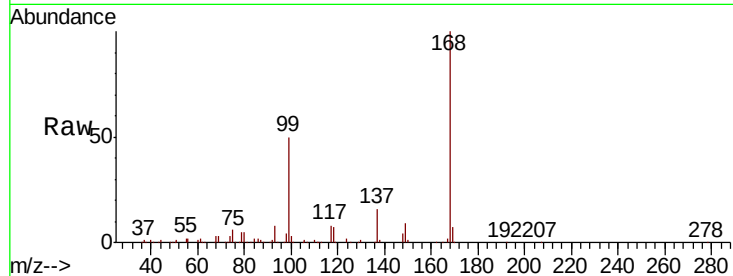




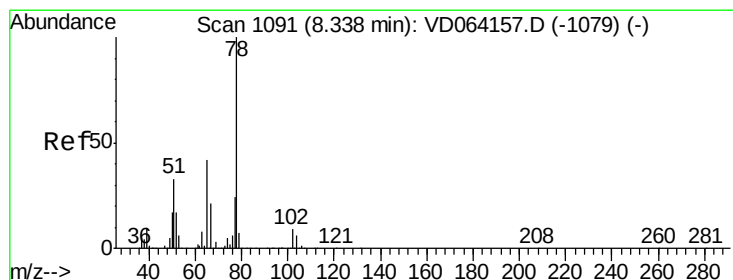
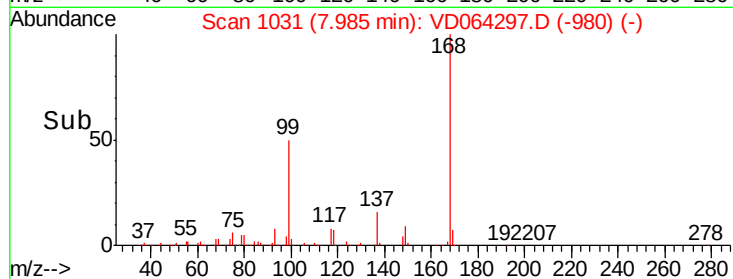
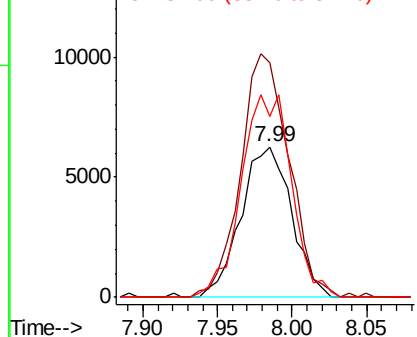
#31
Cyclohexane
Concen: 1.199 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064297.D
Acq: 19 Nov 2019 18:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 14691
Ion Ratio Lower Upper
56 100
69 155.3 28.2 42.4#
84 120.0 71.8 107.6#

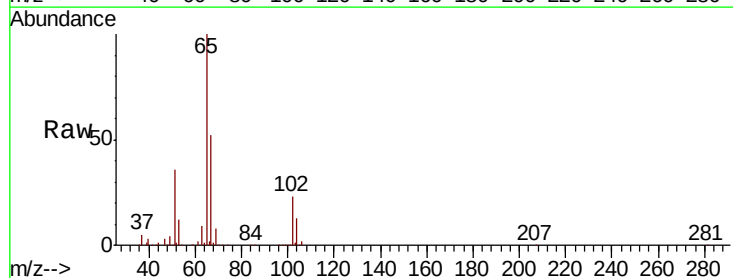


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

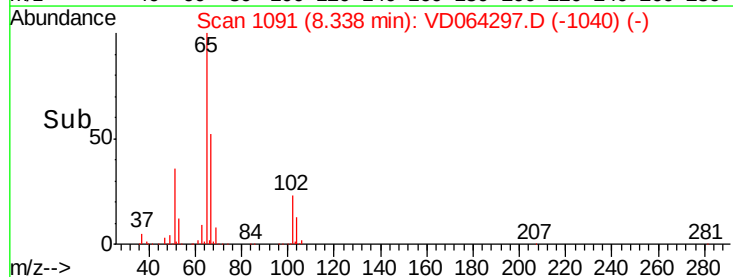
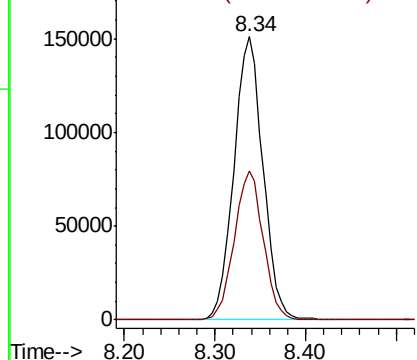


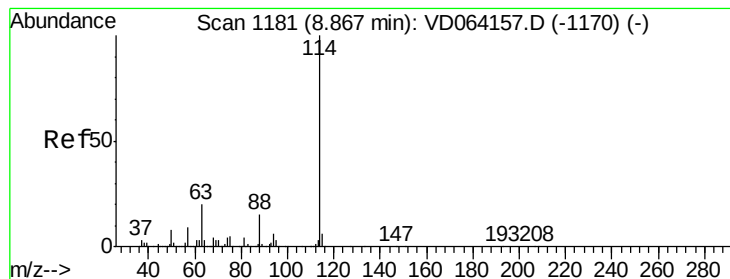
#33
1,2-Dichloroethane-d4
Concen: 53.993 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064297.D
Acq: 19 Nov 2019 18:46

Tgt Ion: 65 Resp: 336959
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064297.D

Acq: 19 Nov 2019 18:46

Instrument :

MSVOA_D

ClientSampleId :

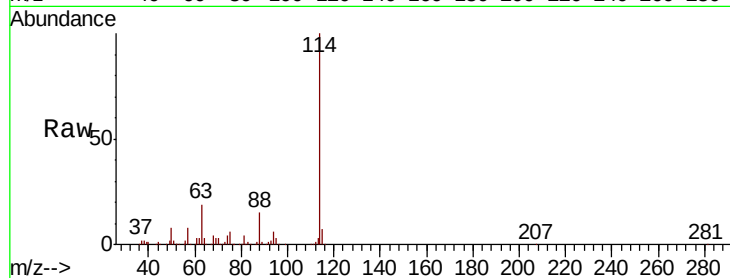
Tot Ion:114 Resp: 1103919

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

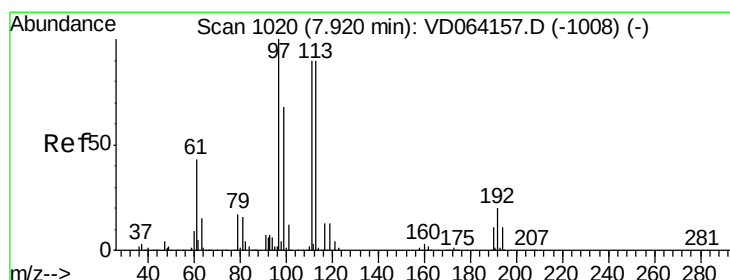
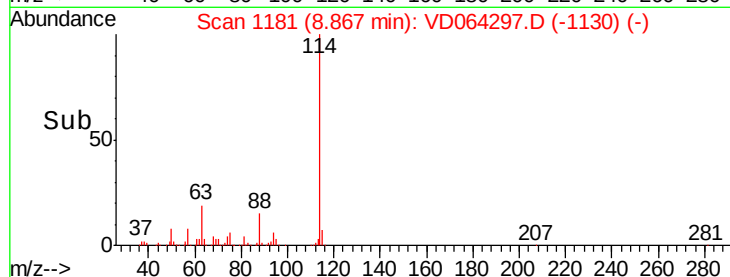
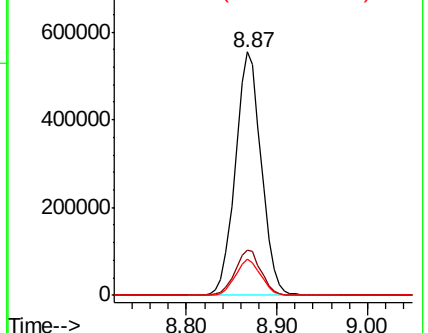
88 14.9 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 53.492 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064297.D

Acq: 19 Nov 2019 18:46

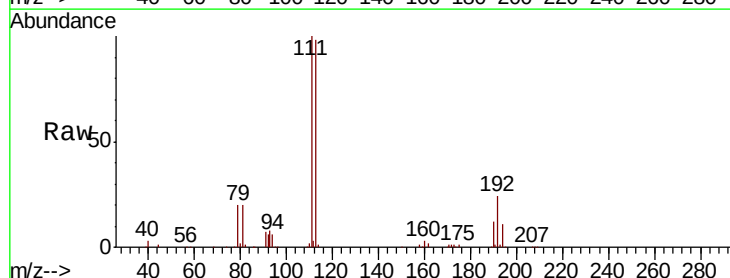
Tgt Ion:113 Resp: 338964

Ion Ratio Lower Upper

113 100

111 102.0 81.5 122.3

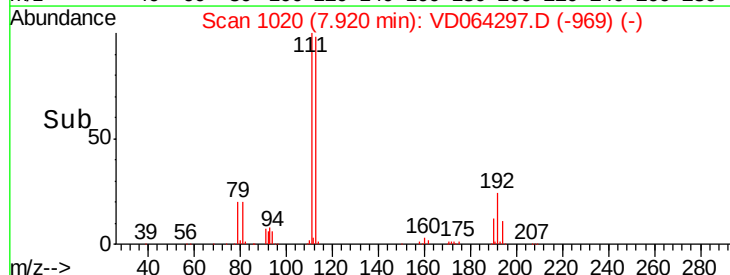
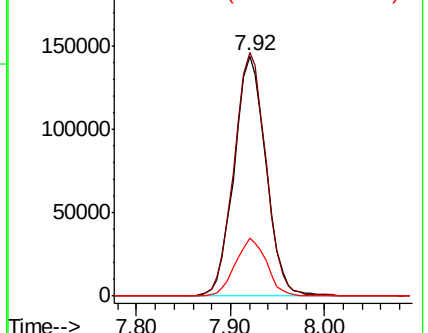
192 23.7 18.8 28.2

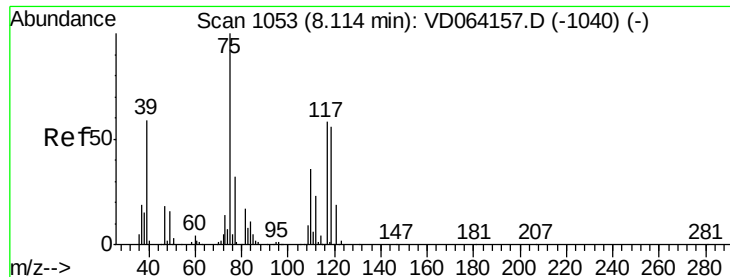


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064297.D

Acq: 19 Nov 2019 18:46

Instrument :

MSVOA_D

ClientSampleId :

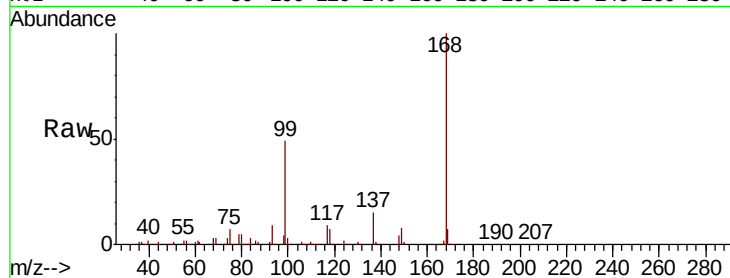
Tot Ion: 75 Resp: 50938

Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.9#

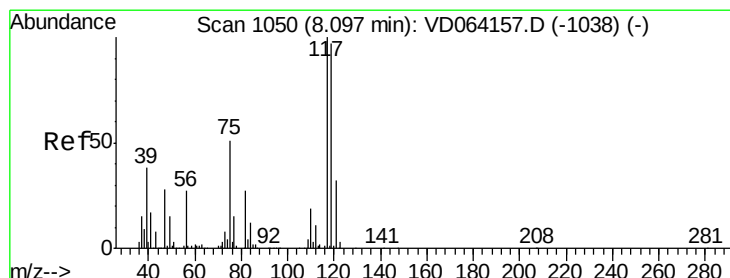
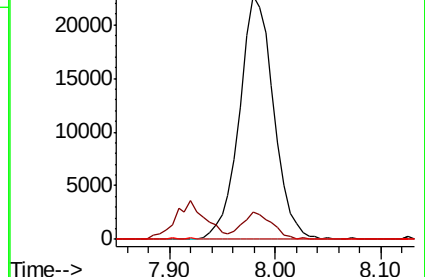
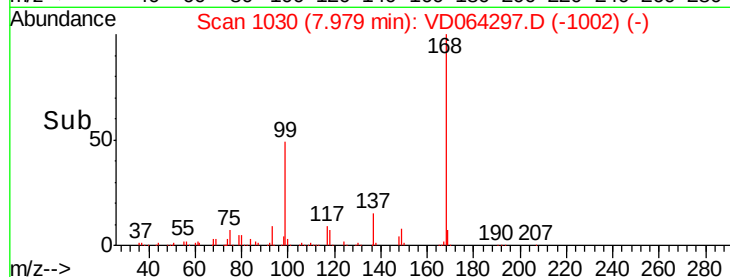
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VD064297.D (-999) (-)

Ion 109.90 (109.60 to 110.60): VD064297.D (-1002) (-)

Ion 76.90 (76.60 to 77.60): VD064297.D (-1002) (-)



#38

Carbon Tetrachloride

Concen: 6.154 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064297.D

Acq: 19 Nov 2019 18:46

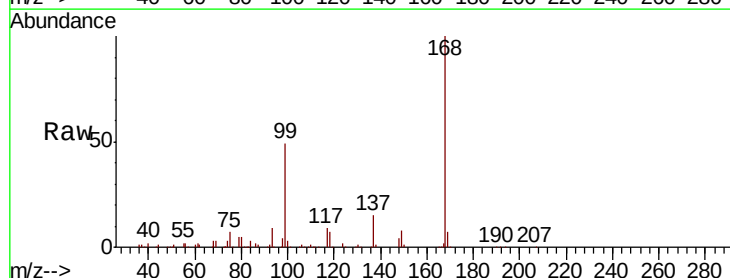
Tgt Ion: 117 Resp: 67092

Ion Ratio Lower Upper

117 100

119 3.5 77.2 115.8#

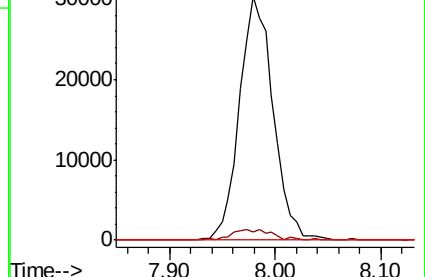
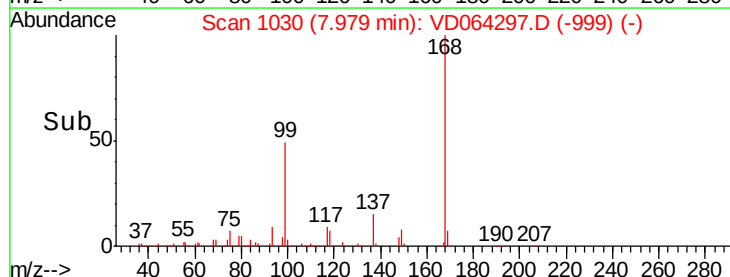
121 0.0 25.5 38.3#

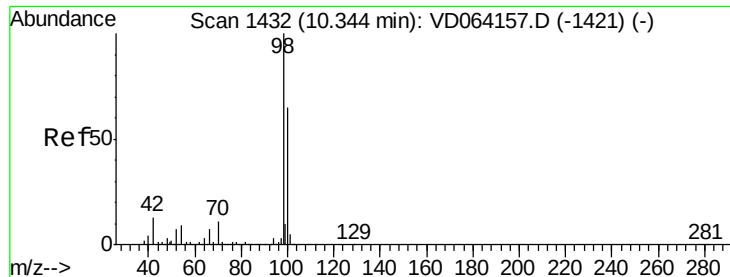


Abundance Ion 116.80 (116.50 to 117.50): VD064297.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD064297.D (-1002) (-)

Ion 120.80 (120.50 to 121.50): VD064297.D (-1002) (-)

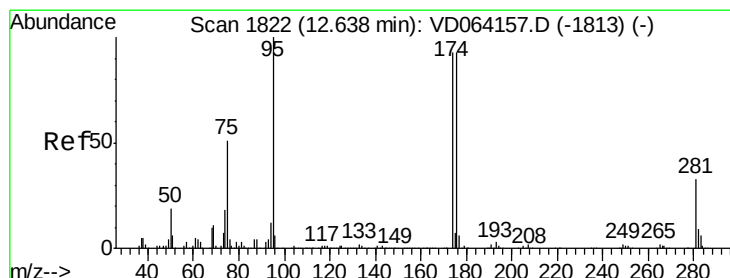
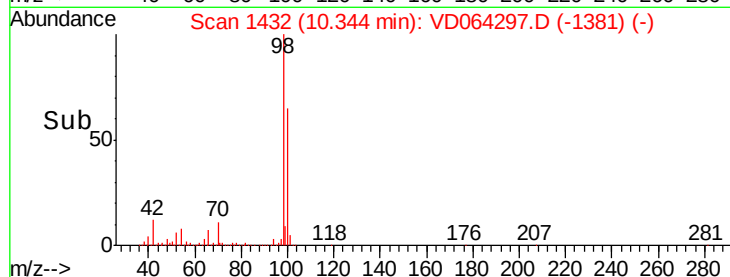
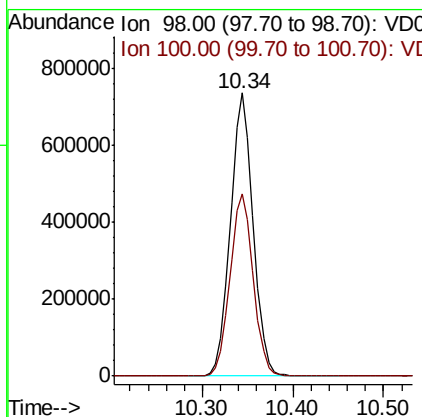
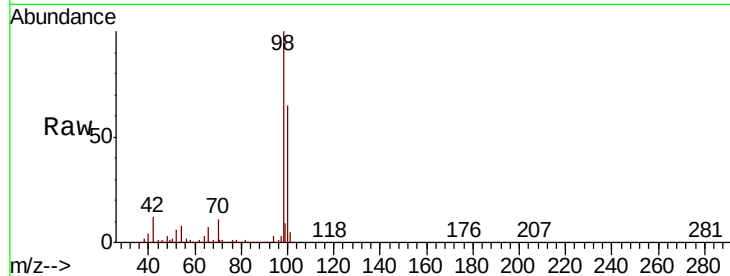




#50
Toluene-d8
Concen: 53.823 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064297.D
Acq: 19 Nov 2019 18:46

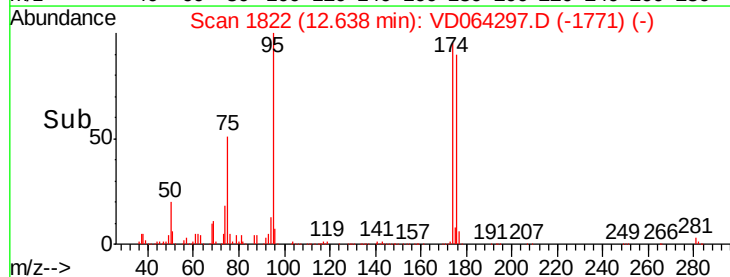
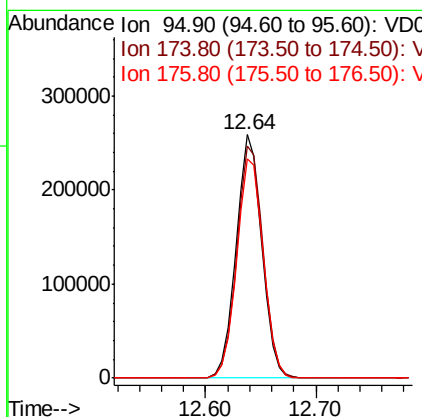
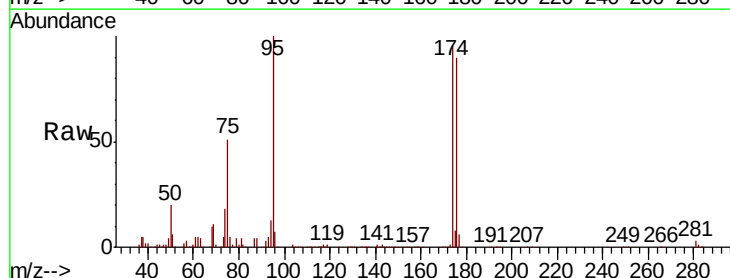
Instrument :
MSVOA_D
ClientSampled :

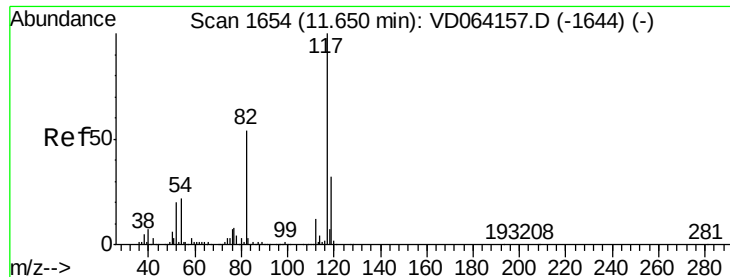
Tot Ion: 98 Resp: 1286613
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 50.894 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064297.D
Acq: 19 Nov 2019 18:46

Tgt Ion: 95 Resp: 421317
Ion Ratio Lower Upper
95 100
174 98.1 0.0 183.6
176 93.7 0.0 180.2

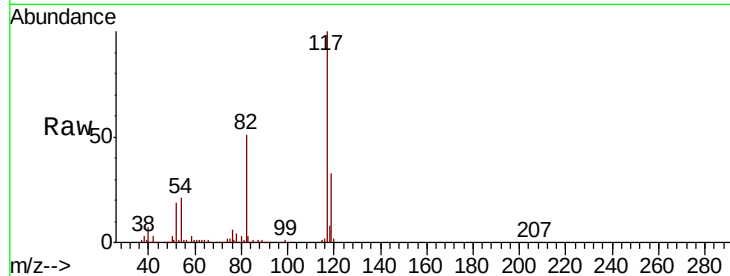




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064297.D
Acq: 19 Nov 2019 18:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	42.8	64.2
119	32.7	25.6	38.4

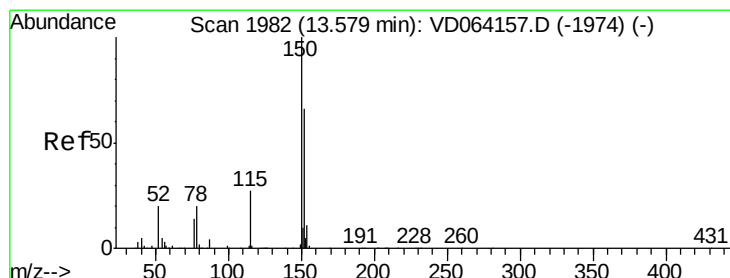
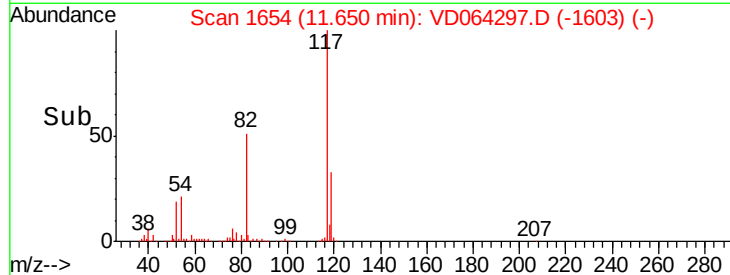
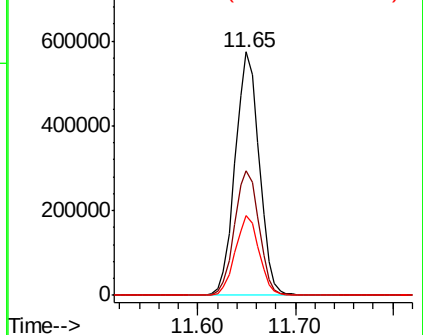


Abundance

Ion 116.90 (116.60 to 117.60): V

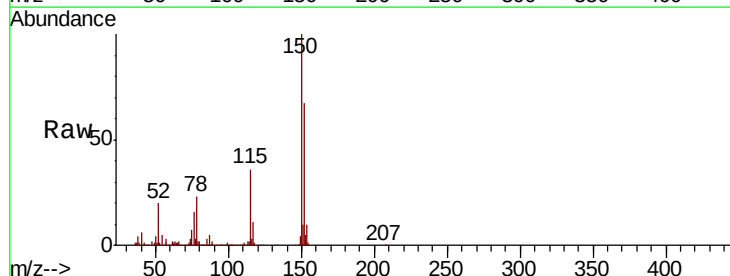
Ion 82.00 (81.70 to 82.70): V

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: VD064297.D
Acq: 19 Nov 2019 18:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.5	27.4	82.2
150	154.3	0.0	351.6

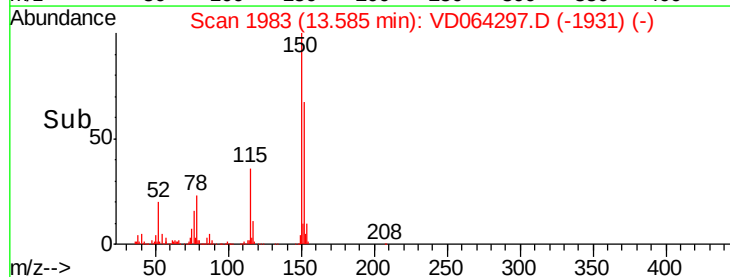
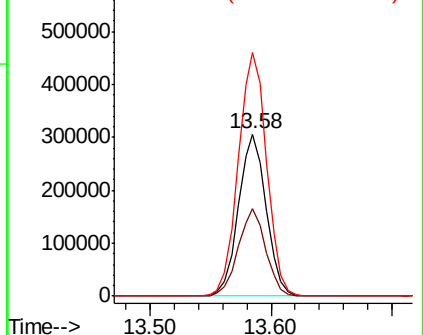


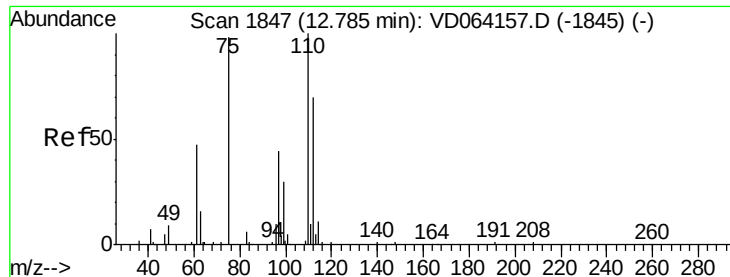
Abundance

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: 56.439 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064297.D

Acq: 19 Nov 2019 18:46

Instrument :

MSVOA_D

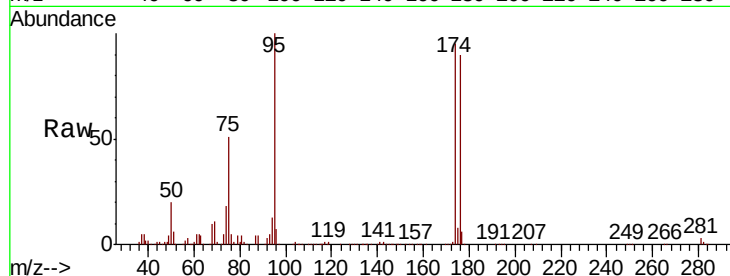
ClientSampled :

Tot Ion: 75 Resp: 221541

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

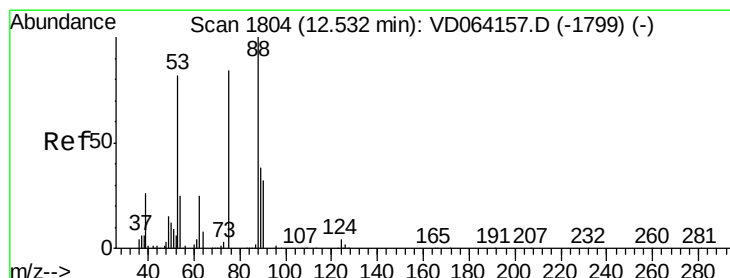
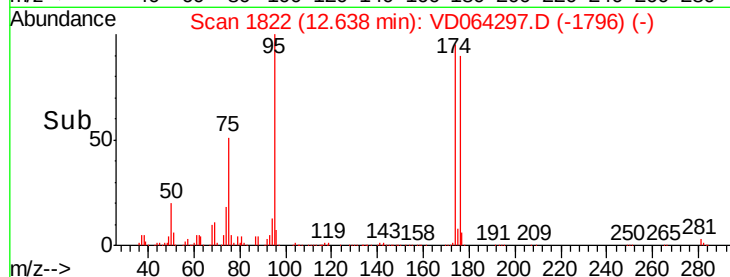
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 112.110 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064297.D

Acq: 19 Nov 2019 18:46

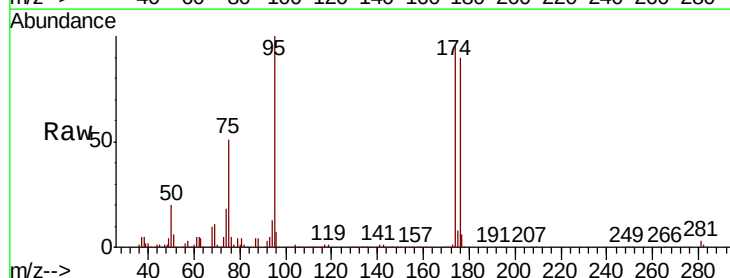
Tgt Ion: 75 Resp: 221541

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

12.64

150000

100000

50000

0

Time-->

