

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123019\
 Data File : VD064679.D
 Acq On : 30 Dec 2019 15:38
 Operator : VA/SY
 Sample : K6439-17
 Misc : 4.69G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF014-01

Quant Time: Dec 31 07:09:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	512563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	784028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	683518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	315319	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	228893	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	7.92	113	238071	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.34	98	937198	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.64	95	292328	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

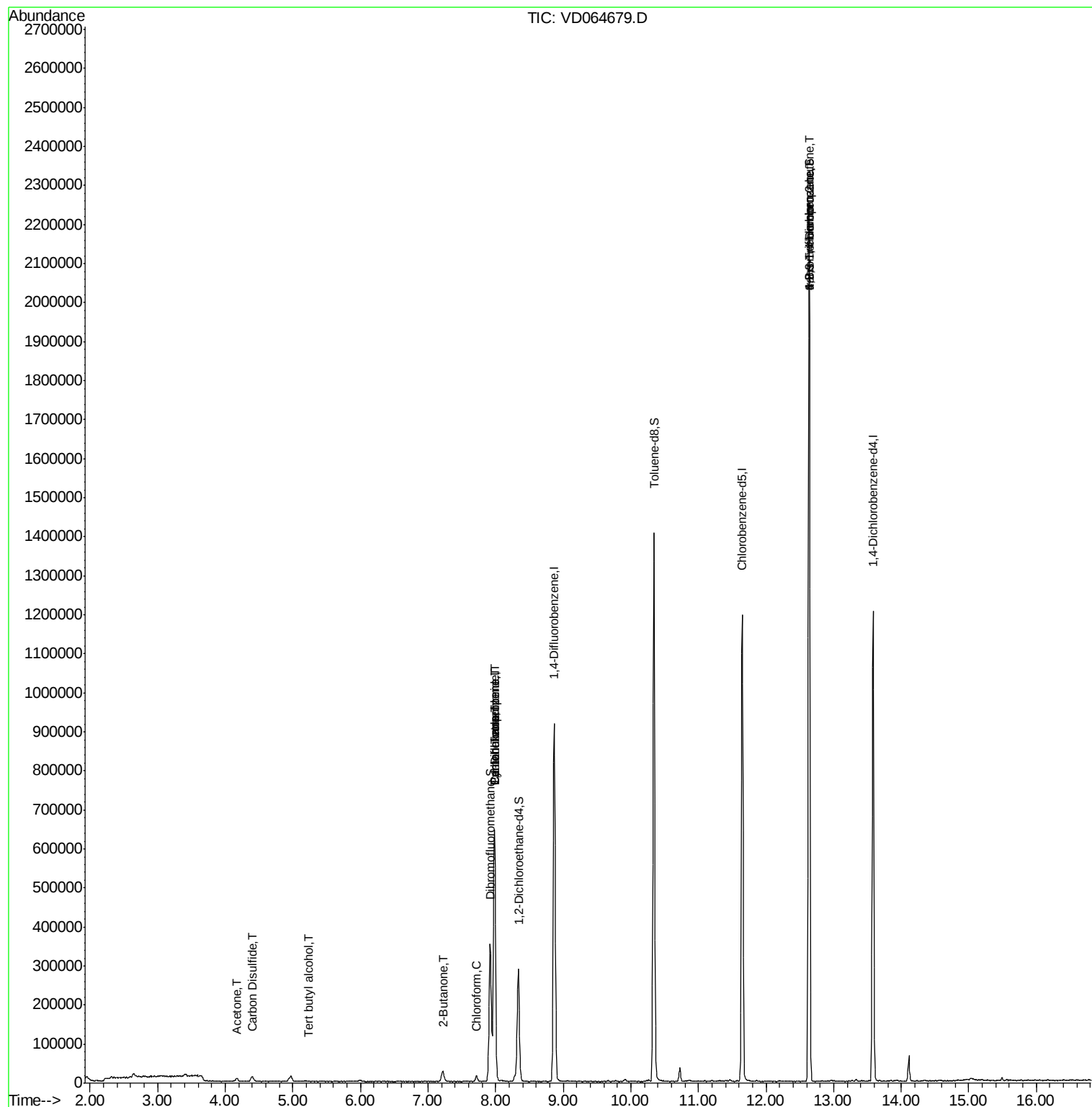
					Qvalue	
11) Tert butyl alcohol	5.24	59	428	1.652	ug/l #	70
16) Acetone	4.17	43	11918	15.235	ug/l	98
17) Carbon Disulfide	4.40	76	28035	1.923	ug/l	97
20) Methylene Chloride	4.97	84	9517	Below Cal	#	96
25) 2-Butanone	7.21	43	1767	1.422	ug/l #	81
30) Chloroform	7.72	83	12105	1.370	ug/l	96
31) Cyclohexane	7.99	56	10918	1.296	ug/l #	10
36) 1,1-Dichloropropene	7.98	75	37101	4.916	ug/l #	51
38) Carbon Tetrachloride	7.98	117	47134	5.858	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	161068	64.687	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	161068	135.291	ug/l #	11

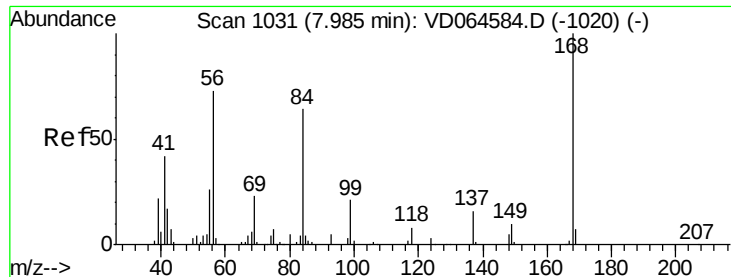
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064679.D

Acq: 30 Dec 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

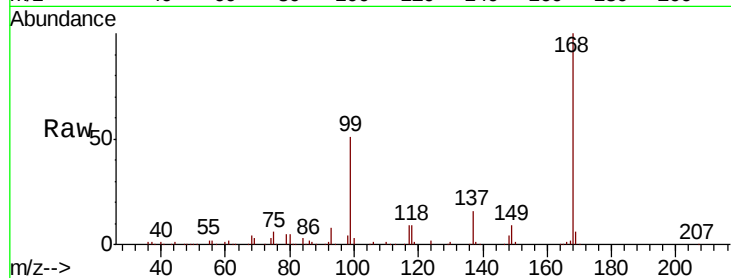
LIED-BF014-01

Tot Ion:168 Resp: 512563

Ion Ratio Lower Upper

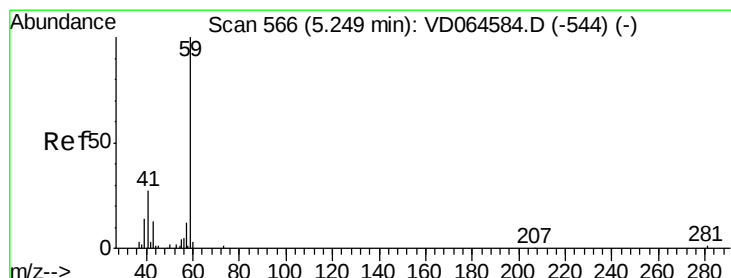
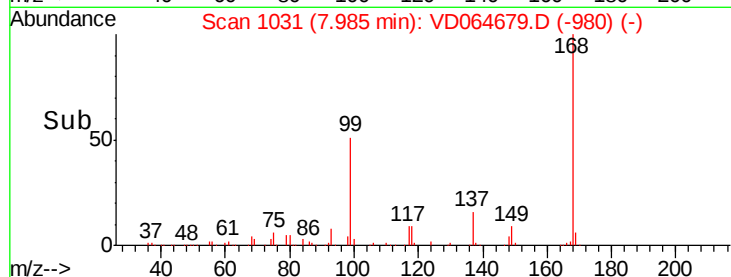
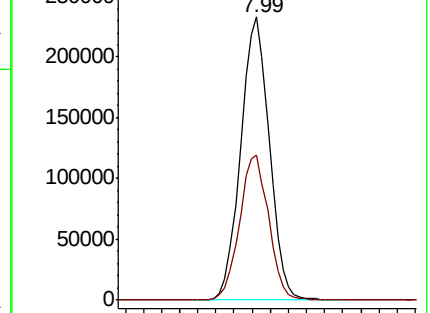
168 100

99 51.1 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 1.652 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.01 min

Lab File: VD064679.D

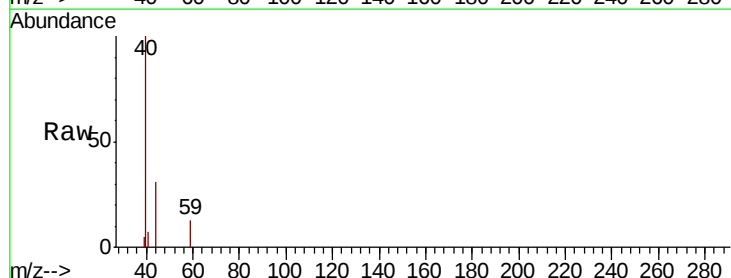
Acq: 30 Dec 2019 15:38

Tgt Ion: 59 Resp: 428

Ion Ratio Lower Upper

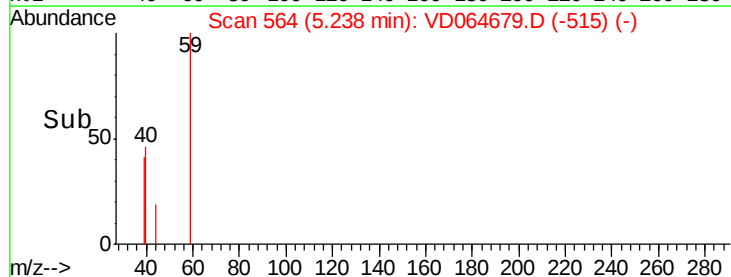
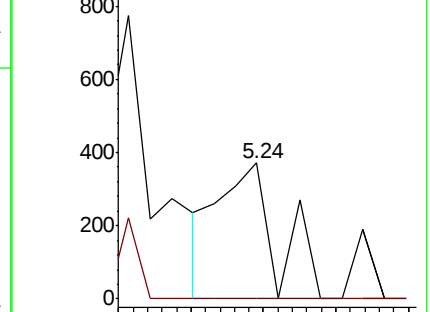
59 100

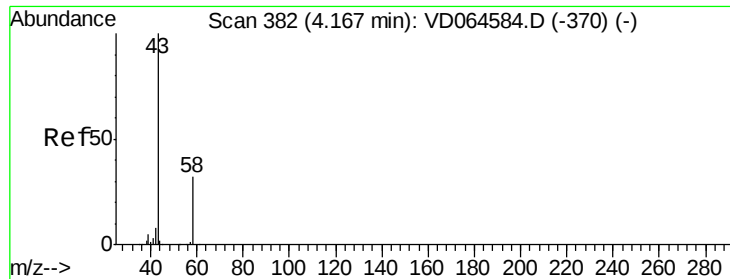
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 15.235 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064679.D

Acq: 30 Dec 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

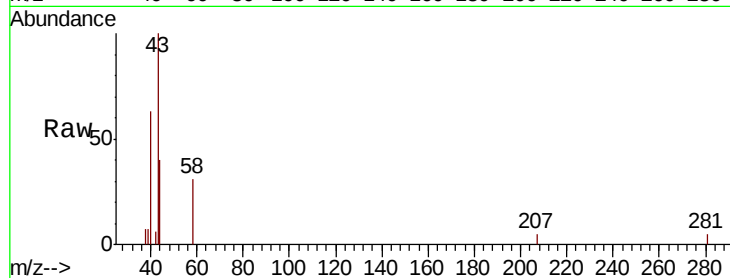
LIED-BF014-01

Tot Ion: 43 Resp: 11918

Ion Ratio Lower Upper

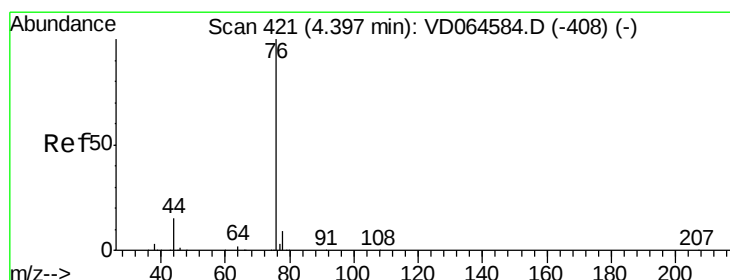
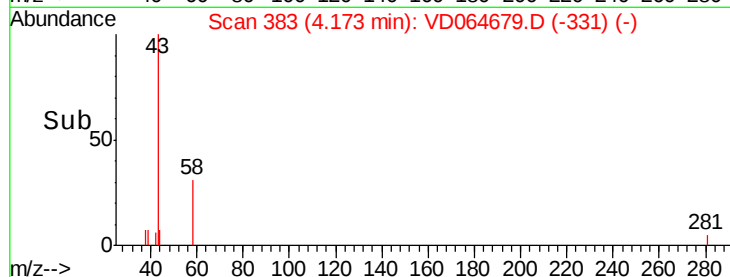
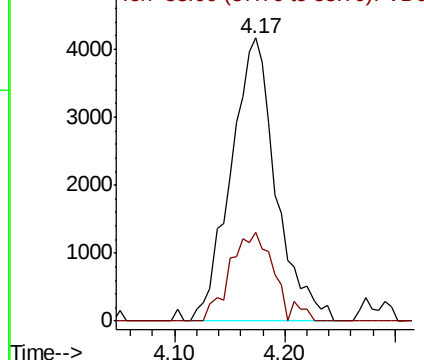
43 100

58 31.3 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 1.923 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064679.D

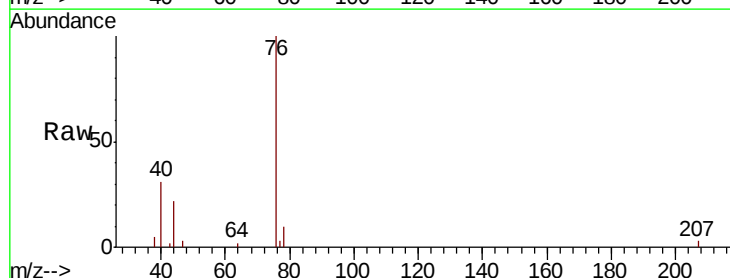
Acq: 30 Dec 2019 15:38

Tgt Ion: 76 Resp: 28035

Ion Ratio Lower Upper

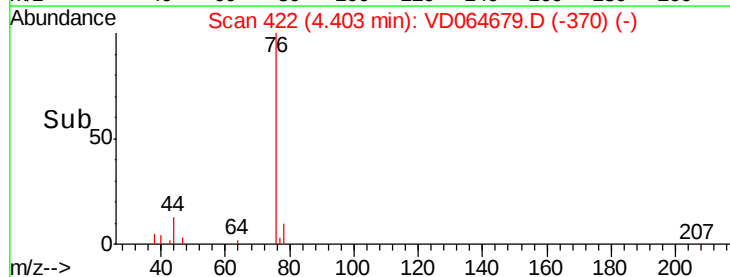
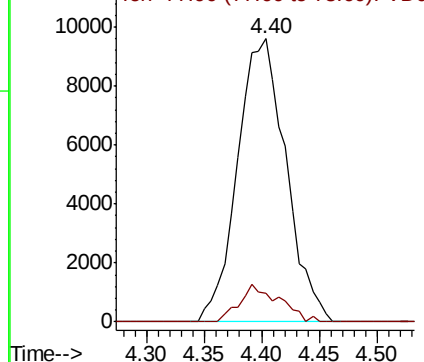
76 100

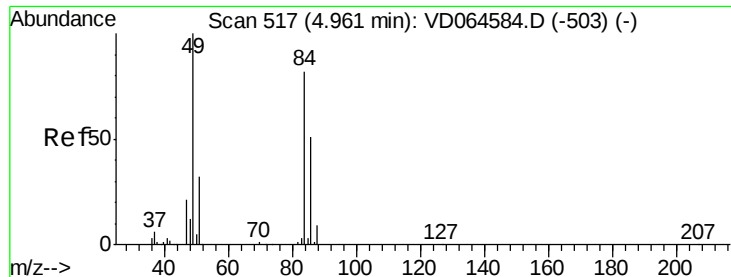
78 10.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

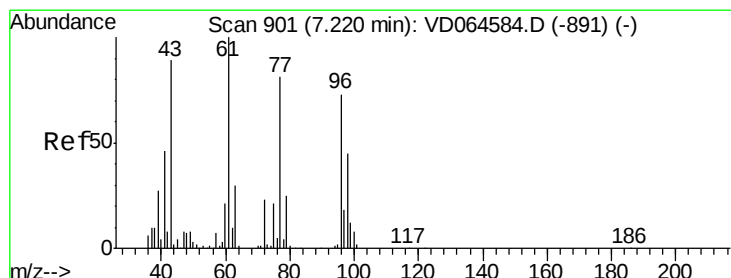
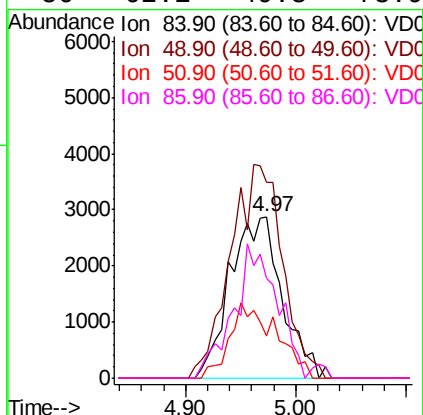
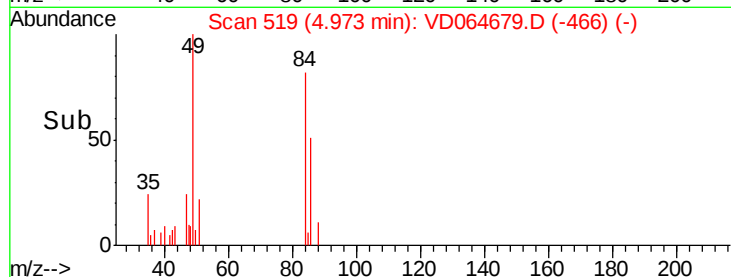
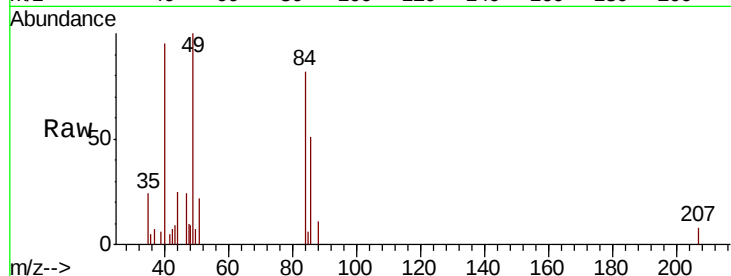




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD064679.D
Acq: 30 Dec 2019 15:38

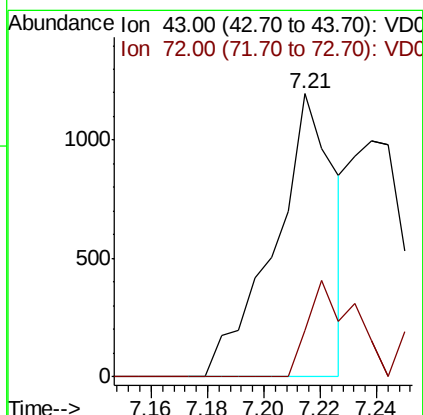
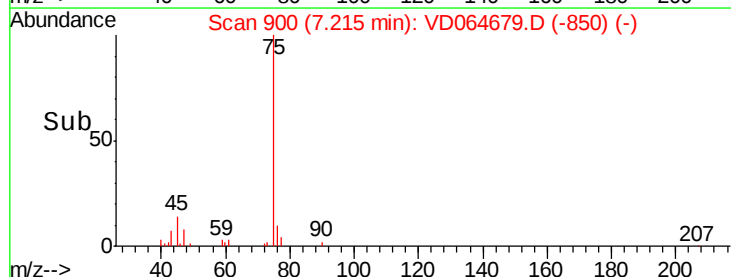
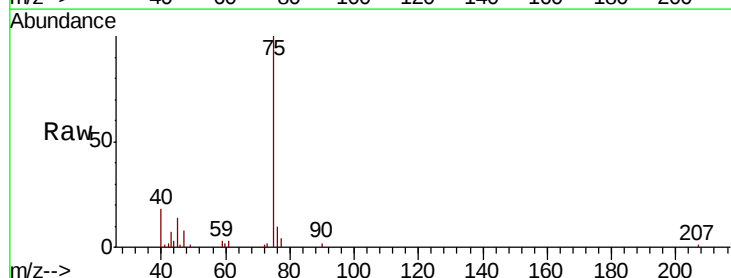
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF014-01

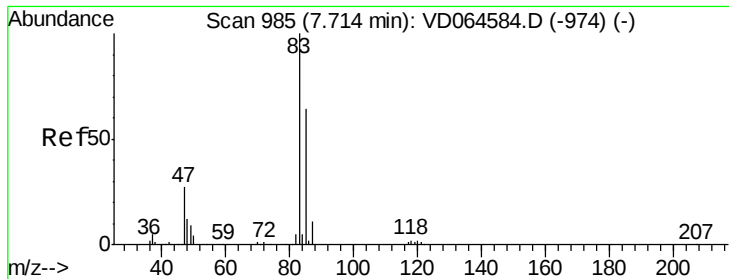
Tot Ion	84	49	51	86
Resp:	9517			
Ion Ratio	100	121.6	26.3	62.1
Lower		97.2	31.4	49.3
Upper		145.8	47.0	73.9



#25
2-Butanone
Concen: 1.422 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064679.D
Acq: 30 Dec 2019 15:38

Tgt Ion	43	72
Resp:	1767	
Ion Ratio	100	16.4
Lower		20.7
Upper		31.1

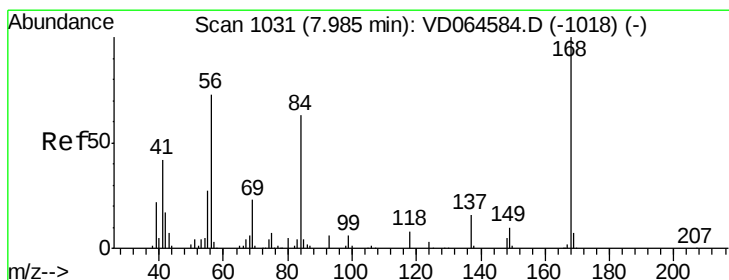
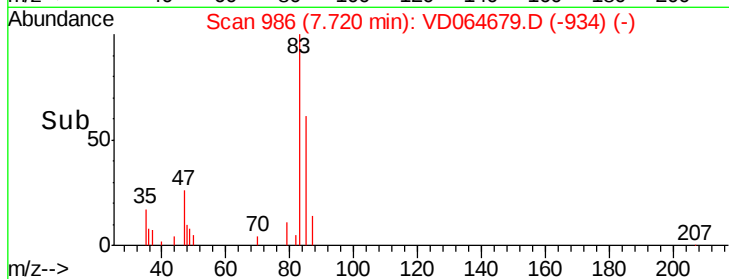
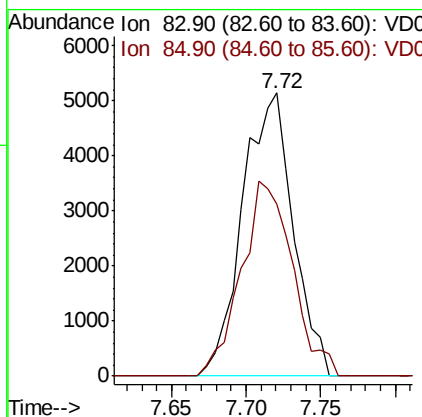
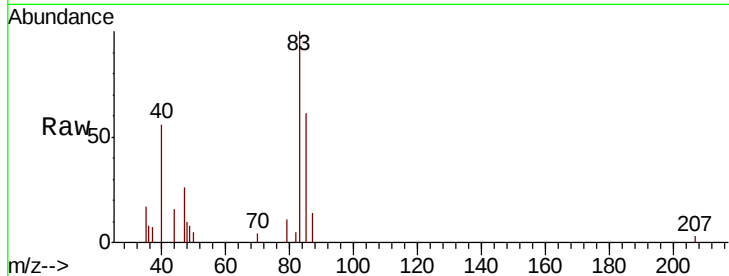




#30
Chloroform
Concen: 1.370 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064679.D
Acq: 30 Dec 2019 15:38

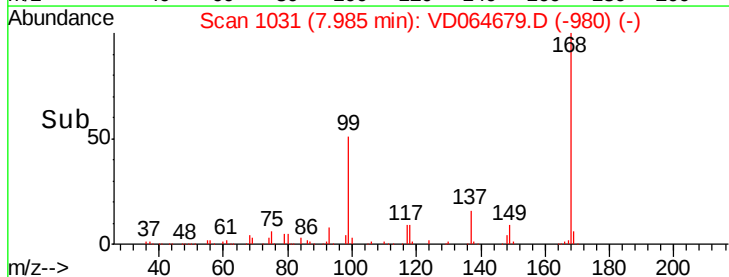
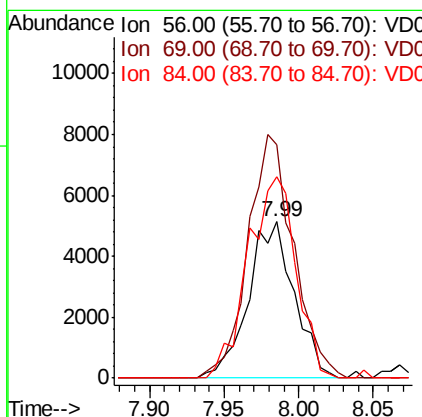
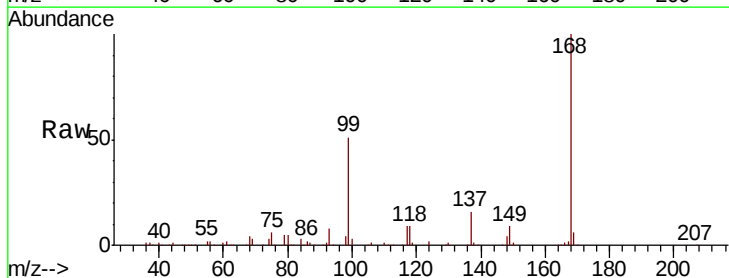
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF014-01

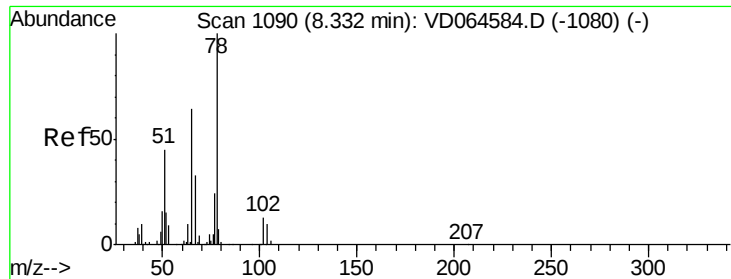
Tot Ion: 83 Resp: 12105
Ion Ratio Lower Upper
83 100
85 60.6 51.1 76.7



#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064679.D
Acq: 30 Dec 2019 15:38

Tgt Ion: 56 Resp: 10918
Ion Ratio Lower Upper
56 100
69 149.1 24.7 37.1#
84 129.3 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 50.643 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064679.D

Acq: 30 Dec 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

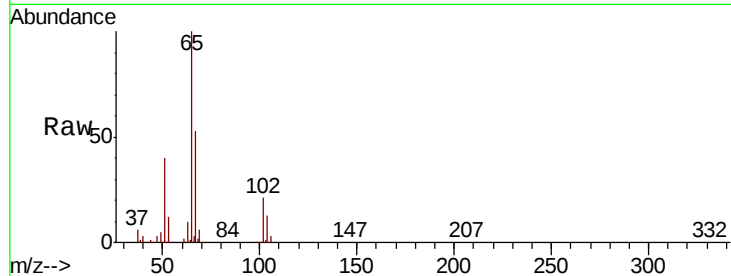
LIED-BF014-01

Tot Ion: 65 Resp: 228893

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

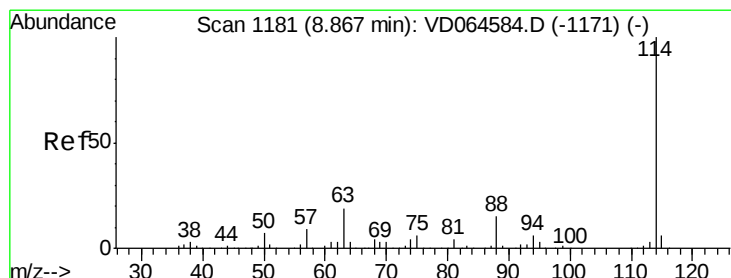
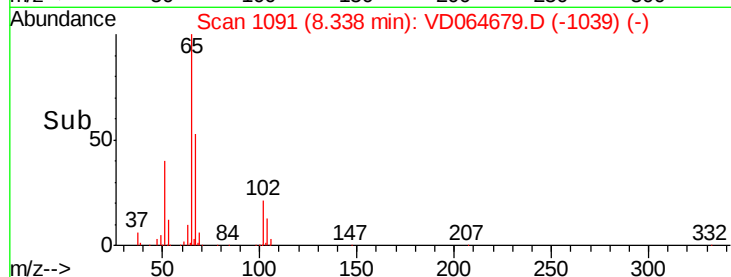
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064679.D

Acq: 30 Dec 2019 15:38

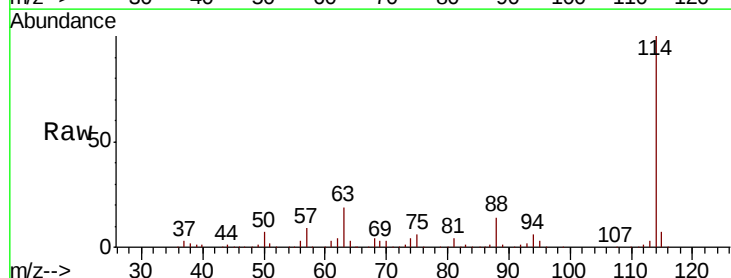
Tgt Ion: 114 Resp: 784028

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.0

88 14.3 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

500000

400000

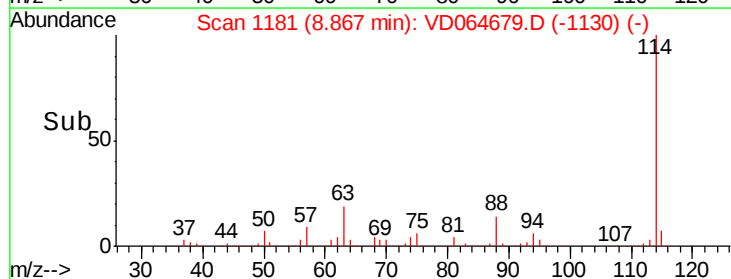
300000

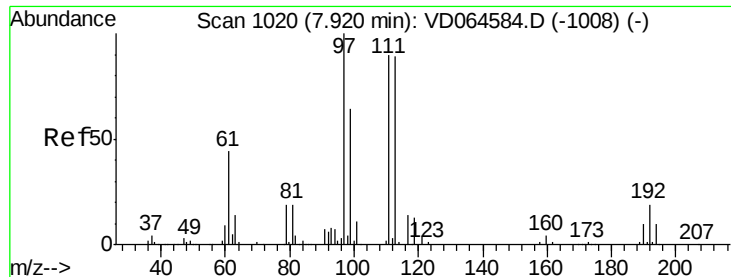
200000

100000

0

Time--> 8.80 8.90 9.00

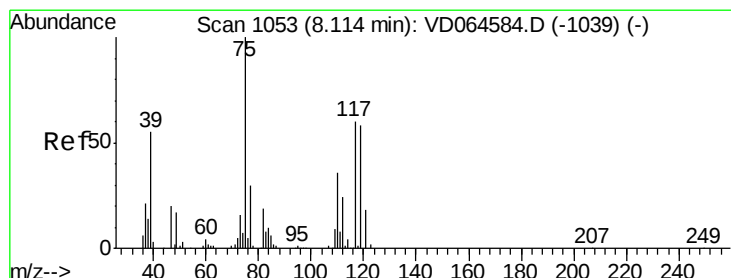
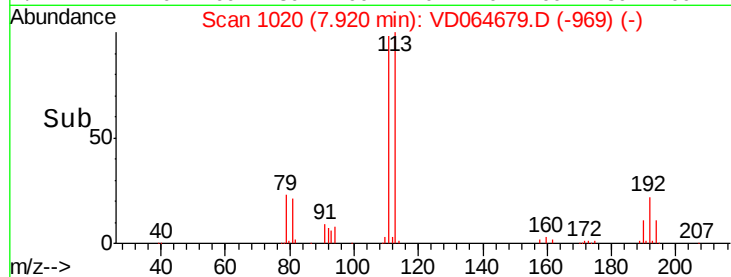
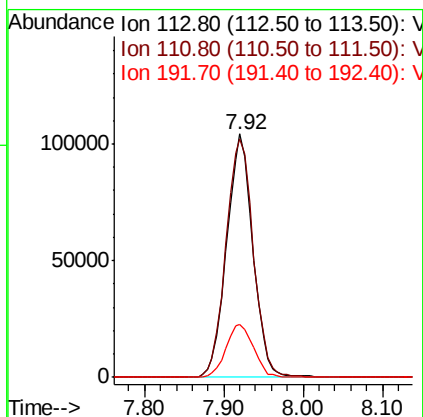
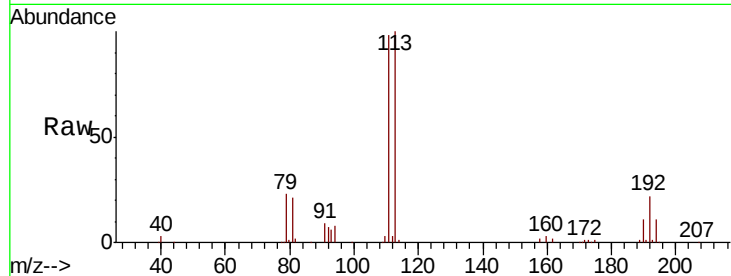




#35
 Dibromofluoromethane
 Concen: 49.493 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064679.D
 Acq: 30 Dec 2019 15:38

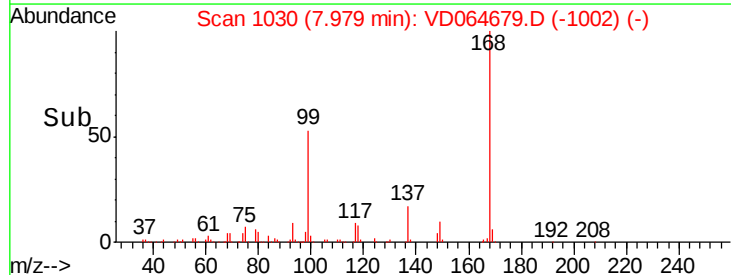
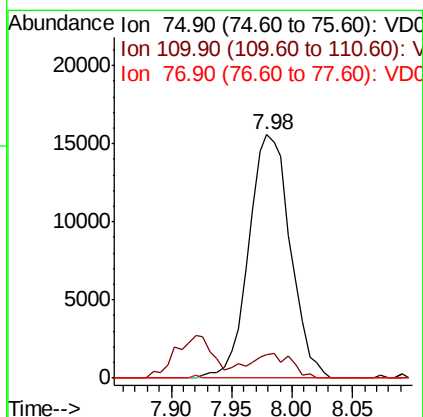
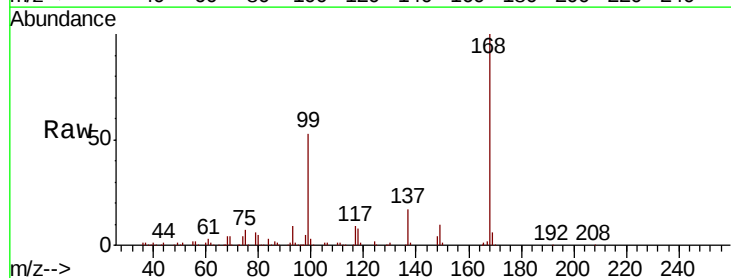
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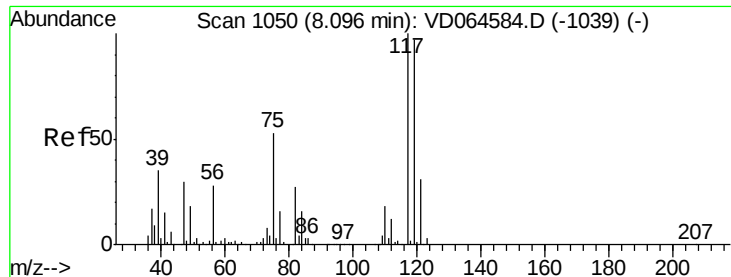
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.6	121.0
192	22.9	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 4.916 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD064679.D
 Acq: 30 Dec 2019 15:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.1	54.1#
77	0.0	24.2	36.4#

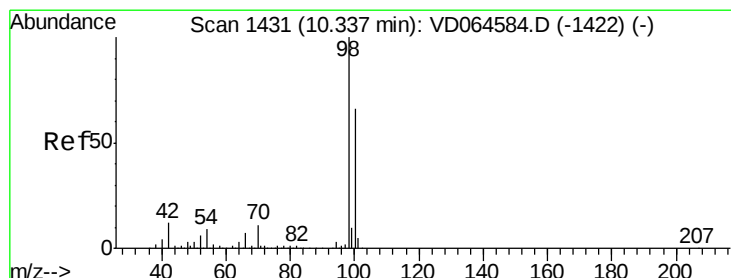
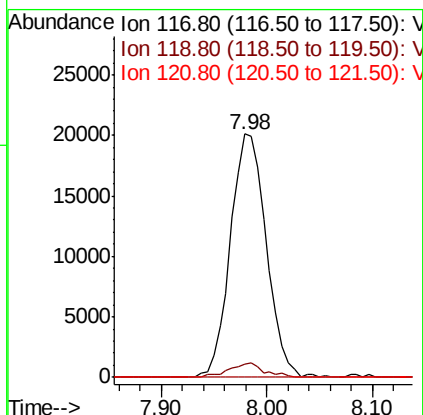
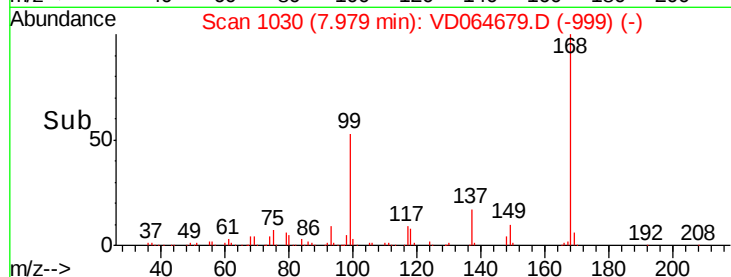
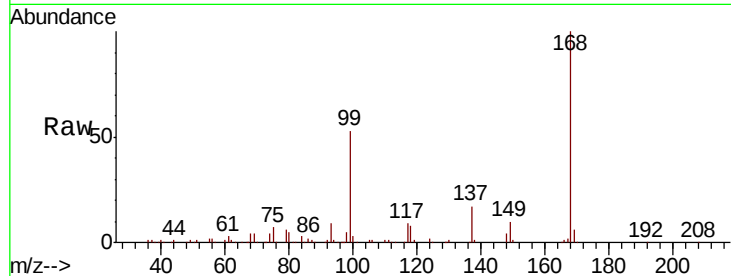




#38
Carbon Tetrachloride
Concen: 5.858 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064679.D
Acq: 30 Dec 2019 15:38

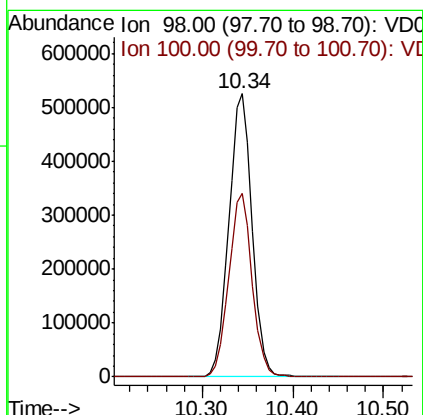
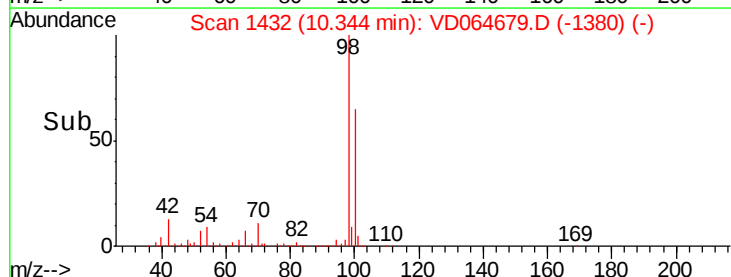
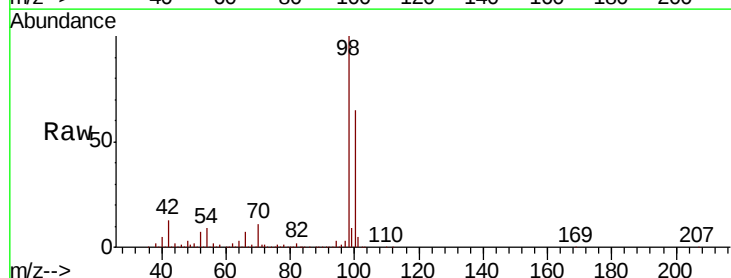
Instrument :
MSVOA_D
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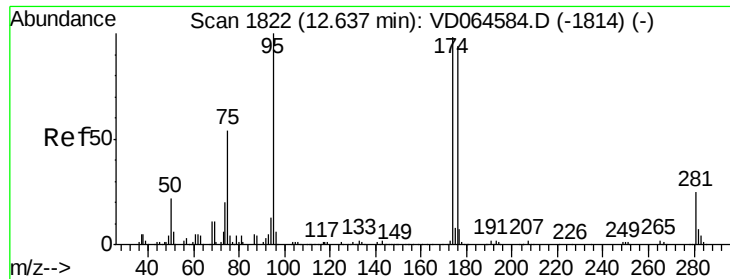
Tot Ion:117 Resp: 47134
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 50.873 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064679.D
Acq: 30 Dec 2019 15:38

Tgt Ion: 98 Resp: 937198
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5

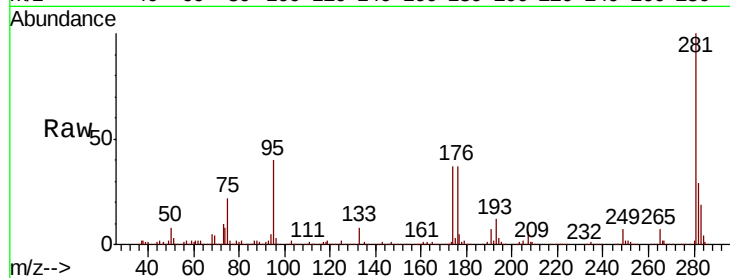




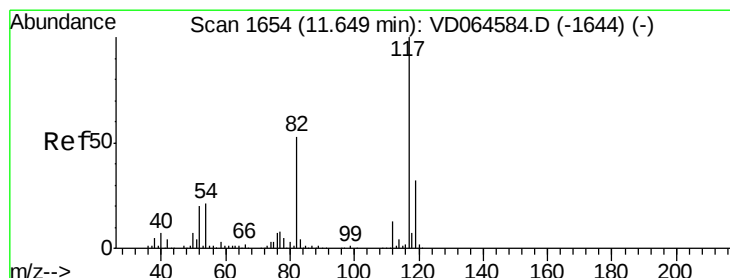
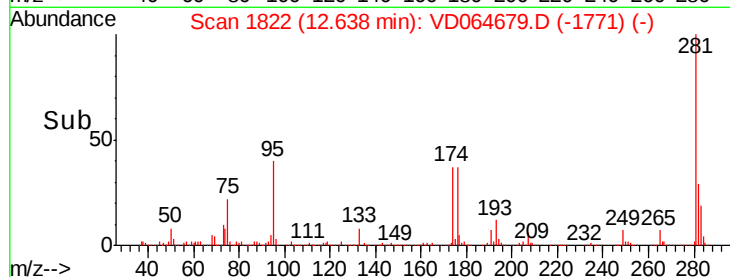
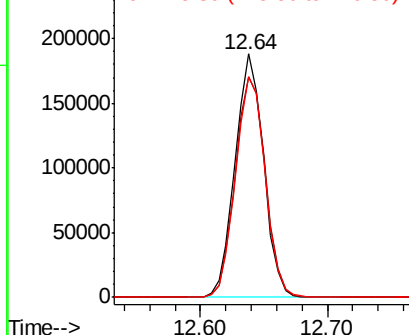
#62
4-Bromofluorobenzene
Concen: 50.182 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064679.D
Acq: 30 Dec 2019 15:38

Instrument :
MSVOA_D
ClientSampleId :
LIED-BF014-01

Tot Ion: 95 Resp: 292328
Ion Ratio Lower Upper
95 100
174 95.3 0.0 193.2
176 93.7 0.0 184.2

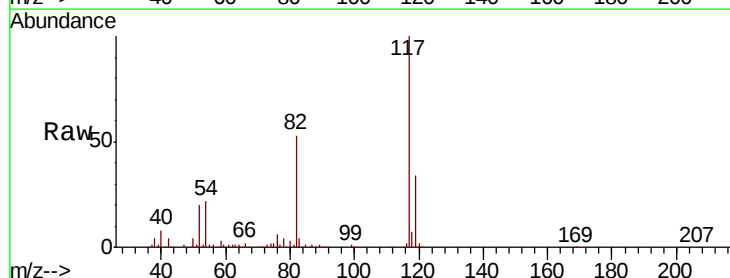


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

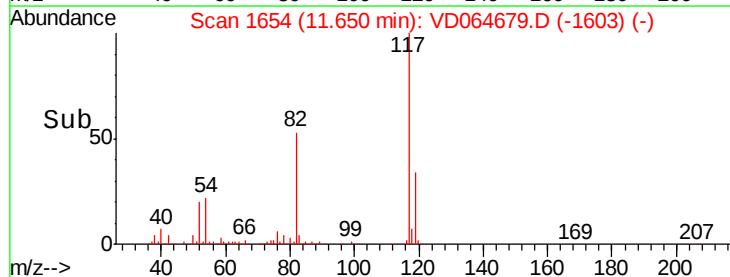
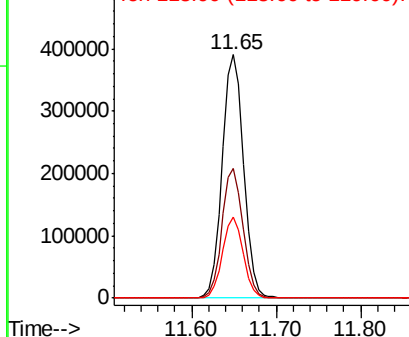


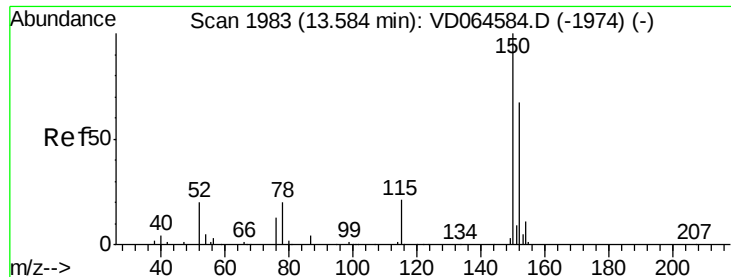
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064679.D
Acq: 30 Dec 2019 15:38

Tgt Ion: 117 Resp: 683518
Ion Ratio Lower Upper
117 100
82 53.1 42.2 63.4
119 33.5 26.0 39.0



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. 0.00 min

Lab File: VD064679.D

Acq: 30 Dec 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF014-01

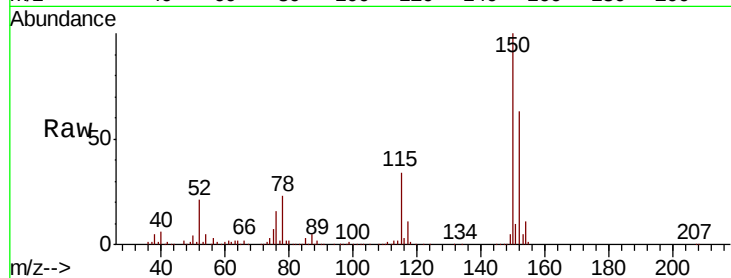
Tot Ion:152 Resp: 315319

Ion Ratio Lower Upper

152 100

115 54.6 27.8 83.4

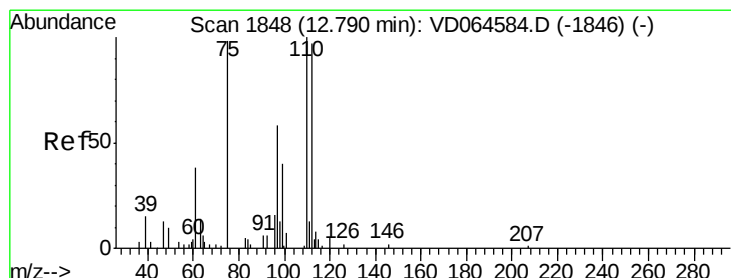
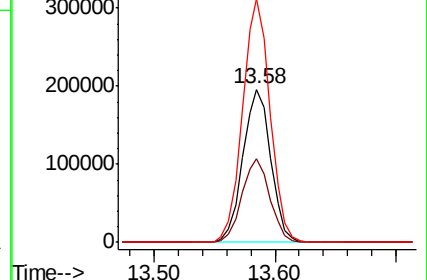
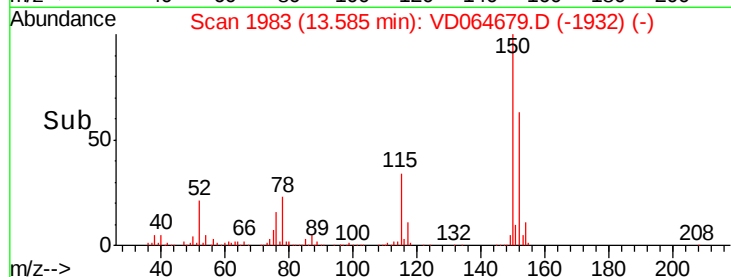
150 156.6 0.0 351.4



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: 64.687 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064679.D

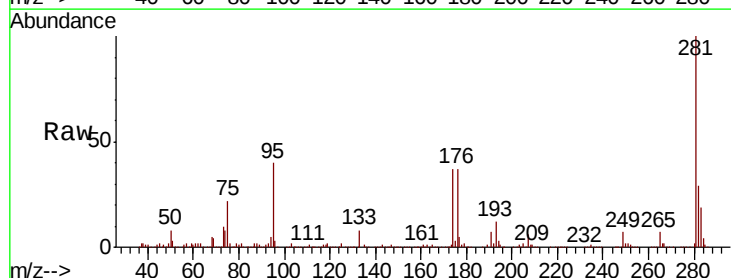
Acq: 30 Dec 2019 15:38

Tgt Ion: 75 Resp: 161068

Ion Ratio Lower Upper

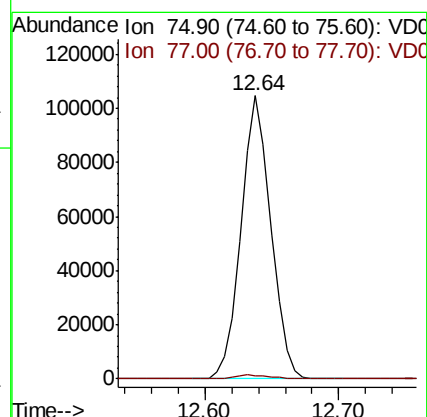
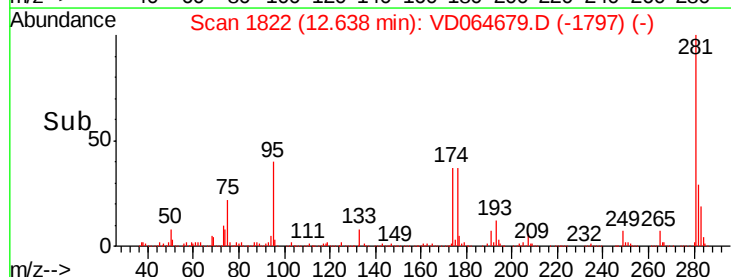
75 100

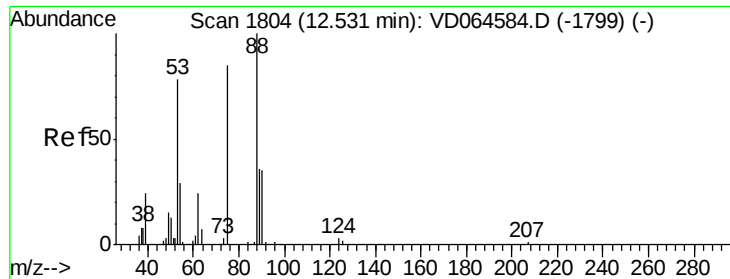
77 1.5 0.0 0.0#



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: 135.291 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064679.D

Acq: 30 Dec 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF014-01

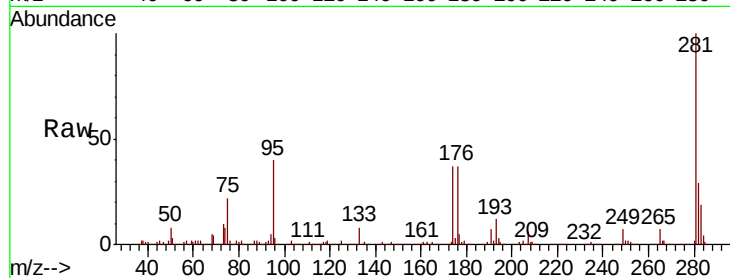
Tot Ion: 75 Resp: 161068

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 2.3 38.3 57.5#



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

