

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061426.D
 Acq On : 29 Mar 2019 13:37
 Operator : VA/AP
 Sample : K2107-07
 Misc : 4.10g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

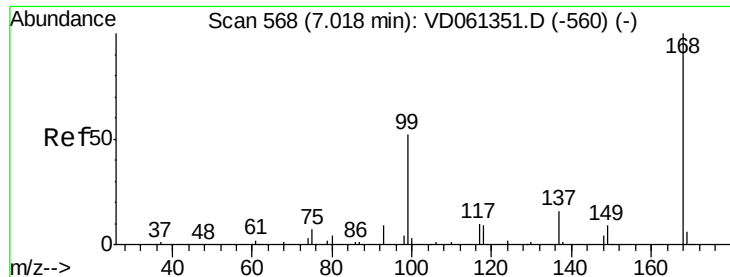
Quant Time: Mar 29 22:37:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	447994	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	808010	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	750655	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	339782	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	205683	53.75	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	107.50%	
35) Dibromofluoromethane	6.93	113	327730	53.08	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	106.16%	
50) Toluene-d8	10.42	98	659421	44.53	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	89.06%	
62) 4-Bromofluorobenzene	13.56	95	287641	50.65	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	101.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.34	142	2463	3.735	ug/l #	74
16) Acetone	3.22	43	22990	23.369	ug/l #	89
20) Methylene Chloride	3.82	84	80413	13.177	ug/l	98
36) 1,1-Dichloropropene	7.05	75	31562	4.476	ug/l #	45
38) Carbon Tetrachloride	7.05	117	41757	5.153	ug/l #	13
40) Benzene	7.46	78	43861	2.478	ug/l	97
52) Toluene	10.52	92	242015	22.414	ug/l	100
76) 1,2,3-Trichloropropane	13.56	75	99887	20.351	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	104008	69.500	ug/l #	18

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD061426.D

Acq: 29 Mar 2019 13:37

Instrument :

MSVOA_D

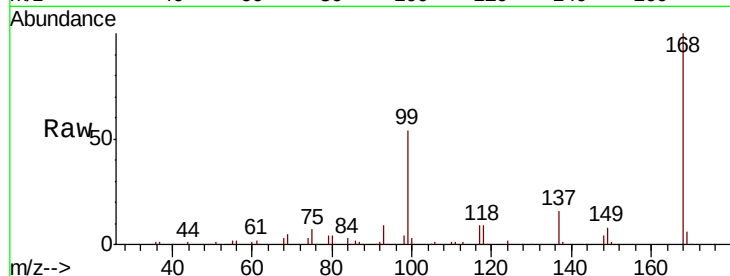
ClientSampleId :

Tot Ion:168 Resp: 447994

Ion Ratio Lower Upper

168 100

99 54.0 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

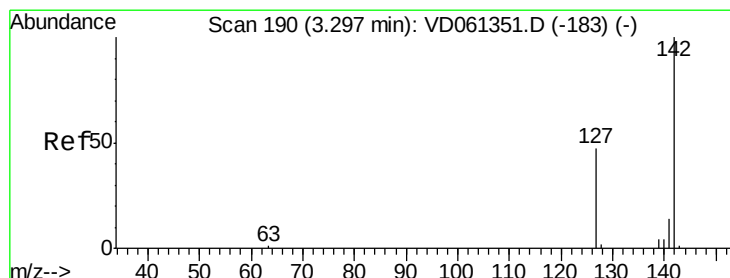
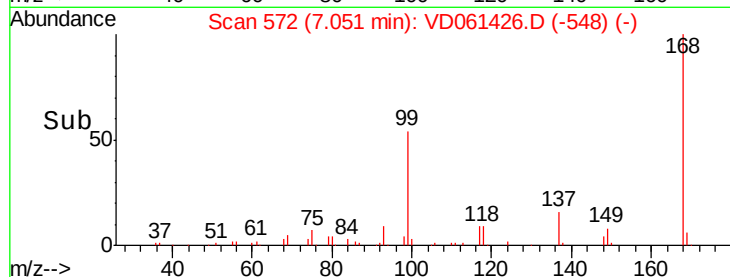
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.735 ug/l

RT: 3.34 min Scan# 195

Delta R.T. 0.04 min

Lab File: VD061426.D

Acq: 29 Mar 2019 13:37

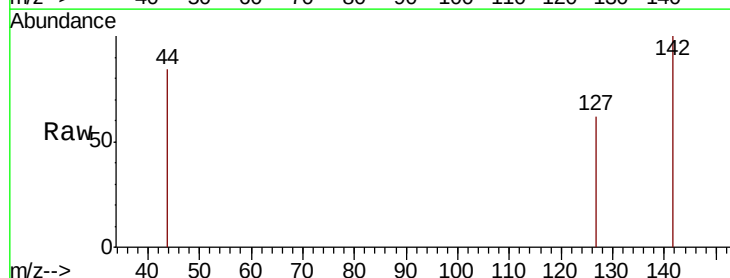
Tgt Ion:142 Resp: 2463

Ion Ratio Lower Upper

142 100

127 62.5 37.7 56.5#

141 0.0 11.5 17.3#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.34

800

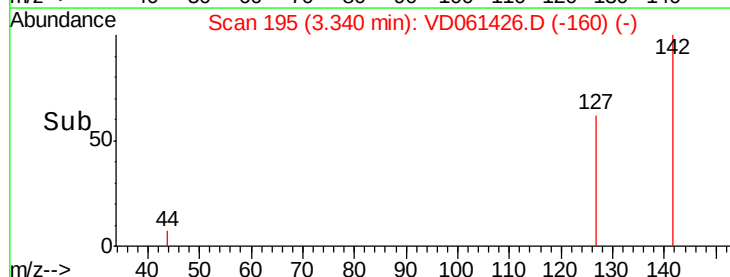
600

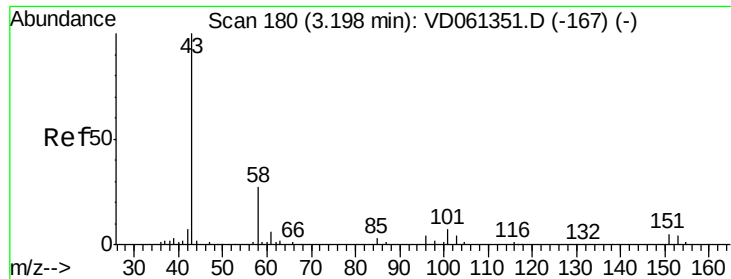
400

200

0

Time--> 3.25 3.30 3.35 3.40





#16

Acetone

Concen: 23.369 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061426.D

Acq: 29 Mar 2019 13:37

Instrument :

MSVOA_D

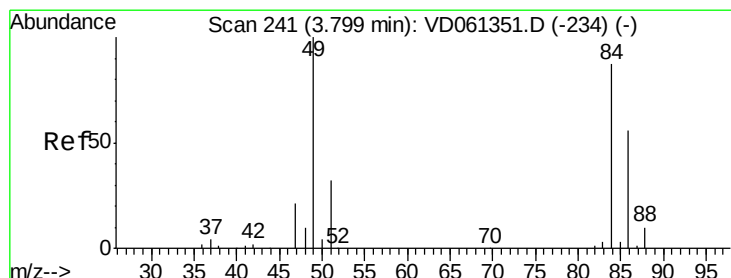
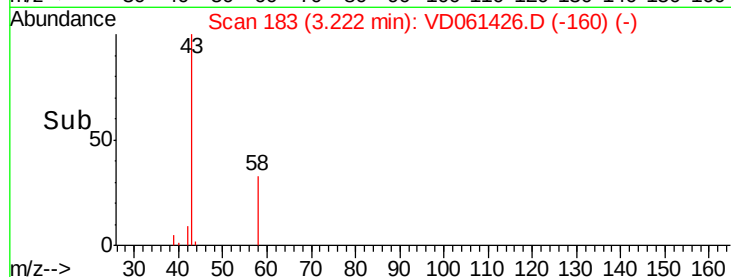
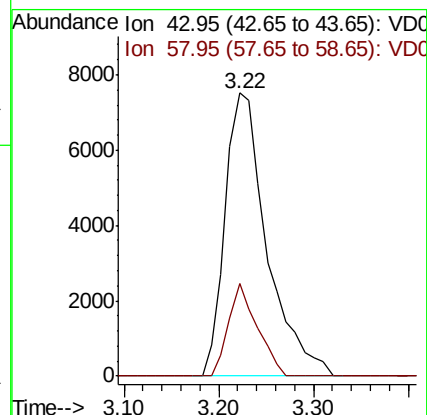
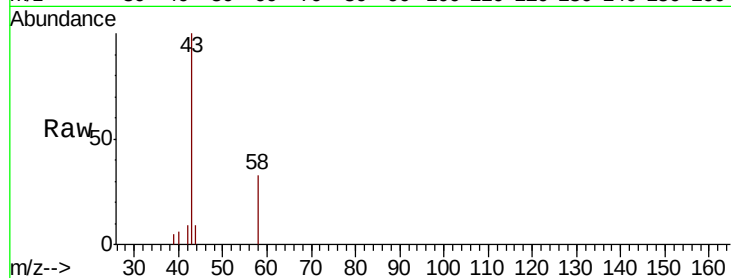
ClientSampleId :

Tot Ion: 43 Resp: 22990

Ion Ratio Lower Upper

43 100

58 32.6 21.5 32.3#



#20

Methylene Chloride

Concen: 13.177 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD061426.D

Acq: 29 Mar 2019 13:37

Tgt Ion: 84 Resp: 80413

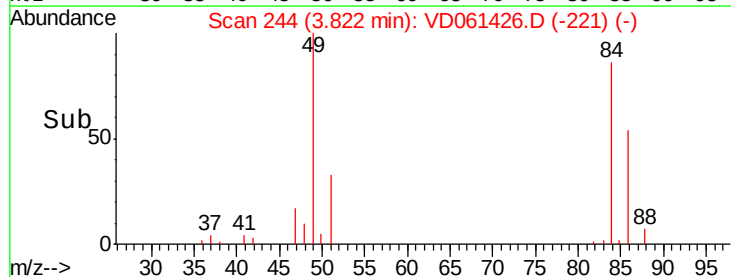
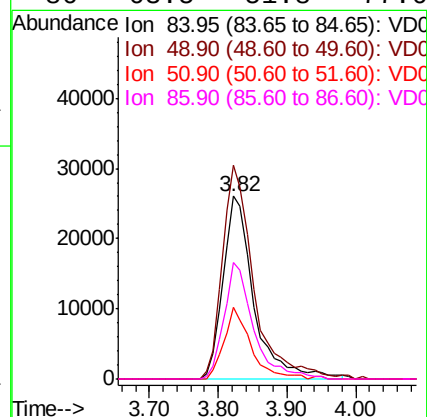
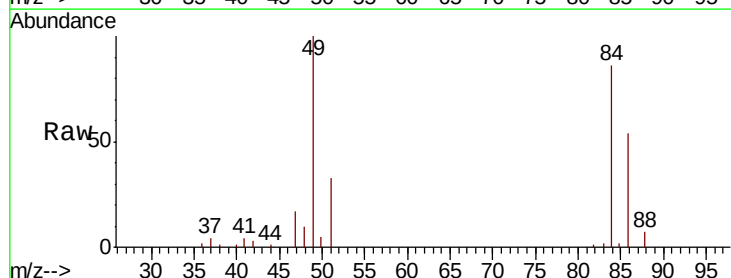
Ion Ratio Lower Upper

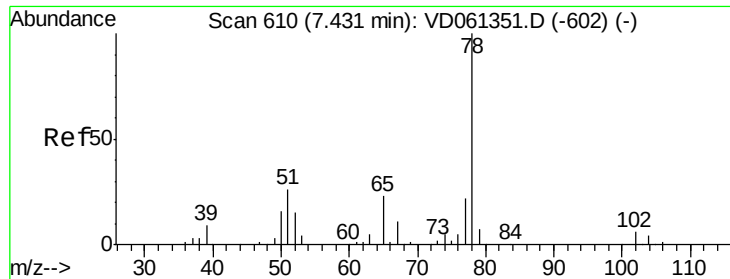
84 100

49 116.8 91.8 137.8

51 39.1 29.8 44.8

86 63.5 51.8 77.6

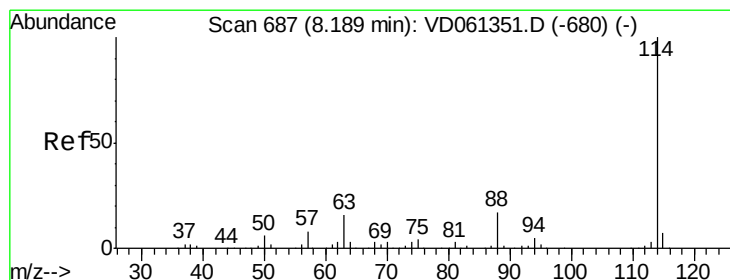
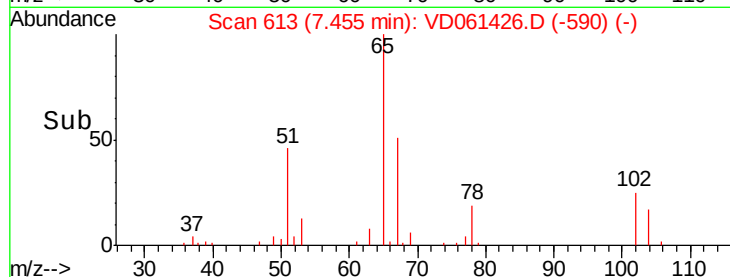
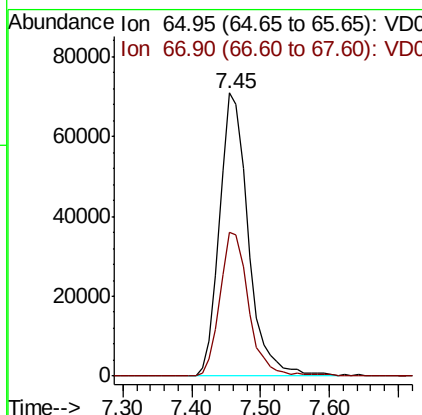
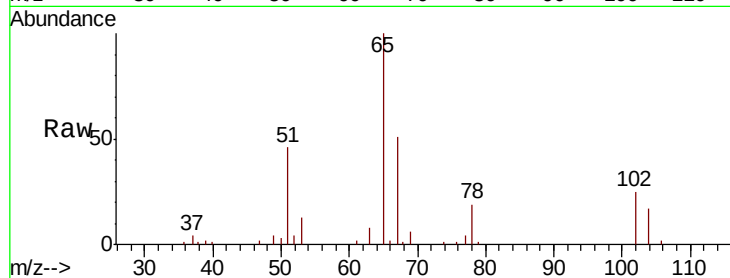




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 613
 Delta R.T. 0.02 min
 Lab File: VD061426.D
 Acq: 29 Mar 2019 13:37

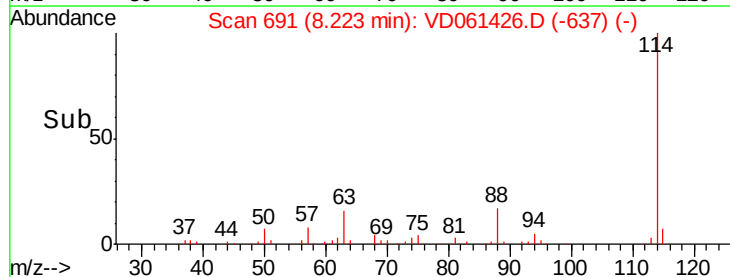
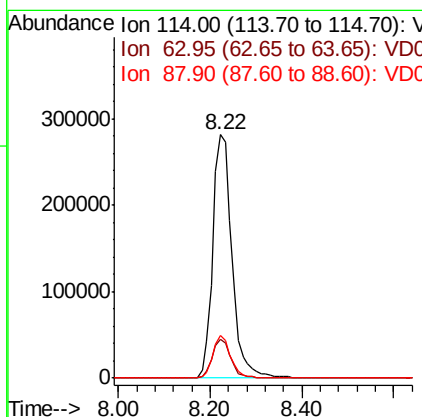
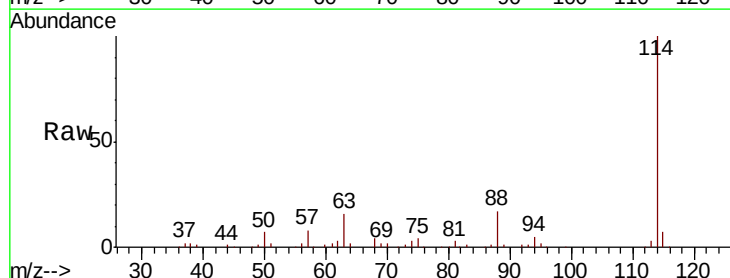
Instrument :
 MSVOA_D
 ClientSampleId :

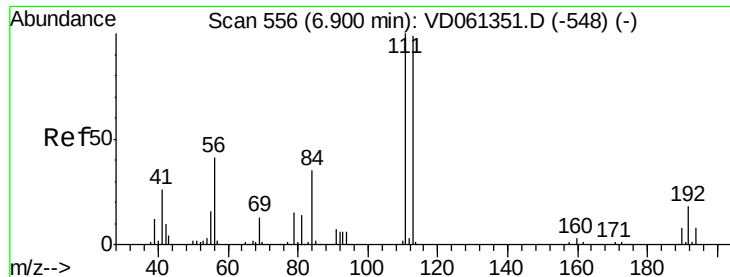
Tot Ion: 65 Resp: 205683
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD061426.D
 Acq: 29 Mar 2019 13:37

Tgt Ion: 114 Resp: 808010
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 31.6
 88 17.3 0.0 33.4

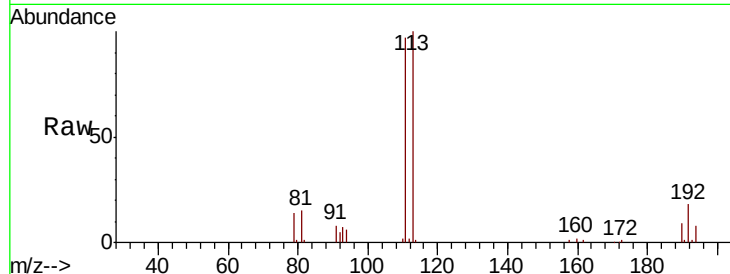




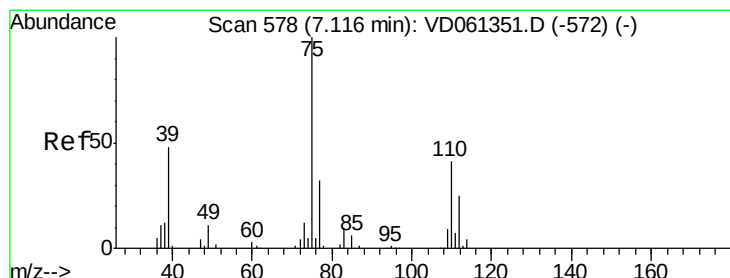
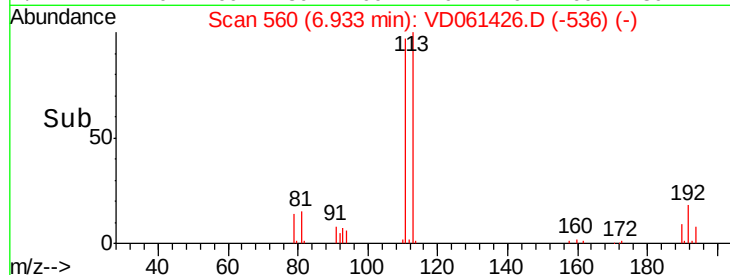
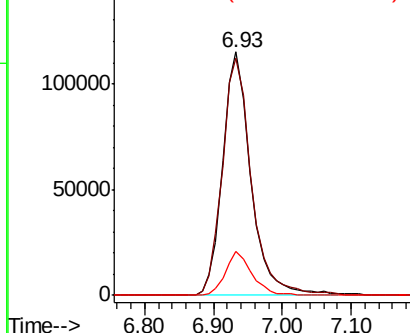
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: VD061426.D
 Acq: 29 Mar 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 327730
 Ion Ratio Lower Upper
 113 100
 111 97.3 81.0 121.6
 192 17.9 14.4 21.6

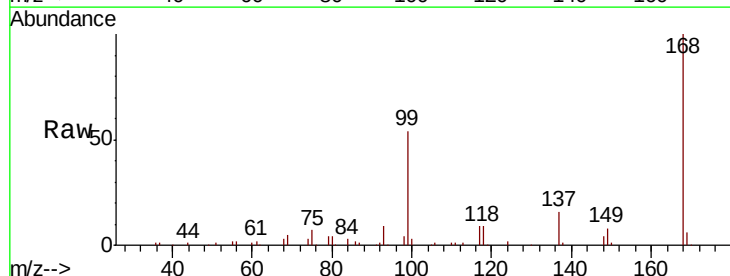


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

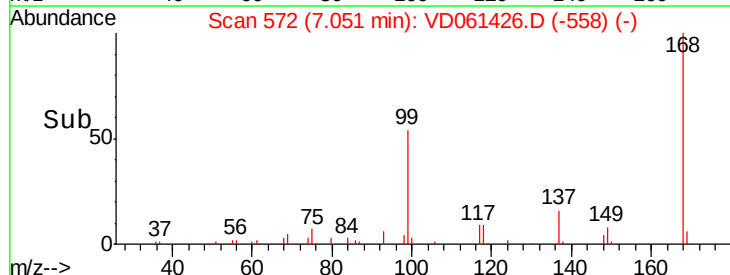
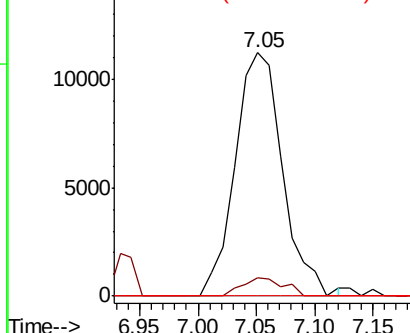


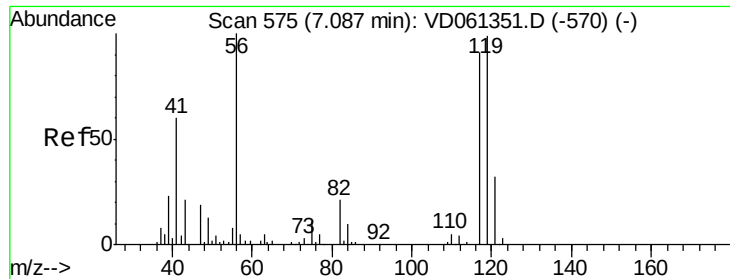
#36
 1,1-Dichloropropene
 Concen: 4.476 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.07 min
 Lab File: VD061426.D
 Acq: 29 Mar 2019 13:37

Tgt Ion: 75 Resp: 31562
 Ion Ratio Lower Upper
 75 100
 110 7.7 20.4 61.3#
 77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

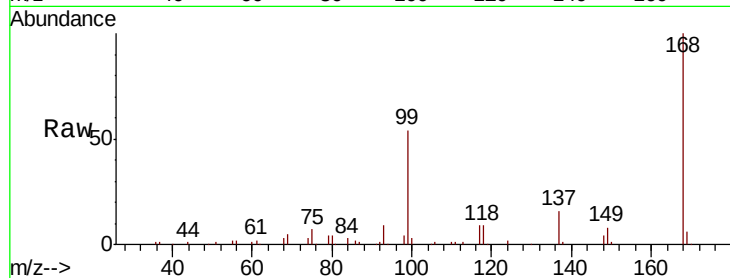




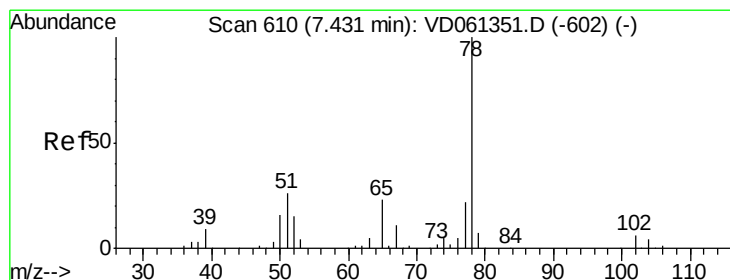
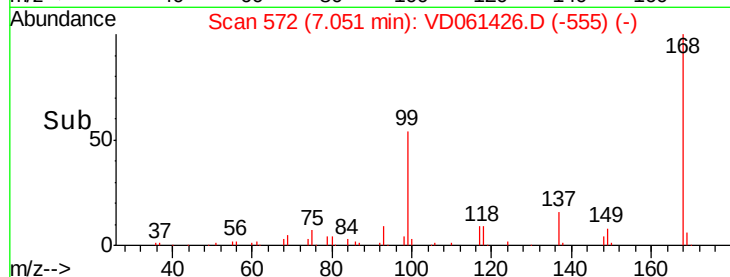
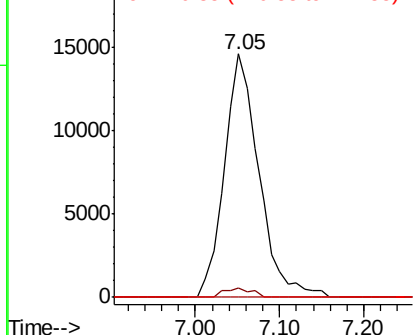
#38
Carbon Tetrachloride
Concen: 5.153 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.04 min
Lab File: VD061426.D
Acq: 29 Mar 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 41757
Ion Ratio Lower Upper
117 100
119 4.0 80.1 120.1#
121 0.0 25.6 38.4#

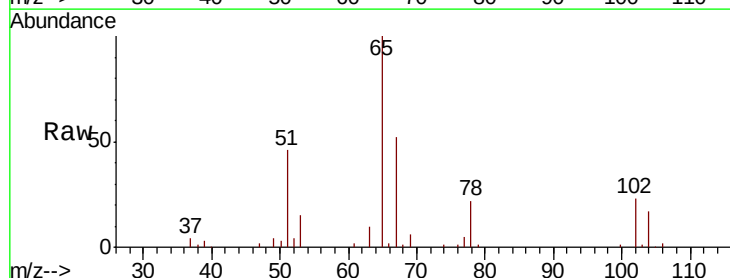


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

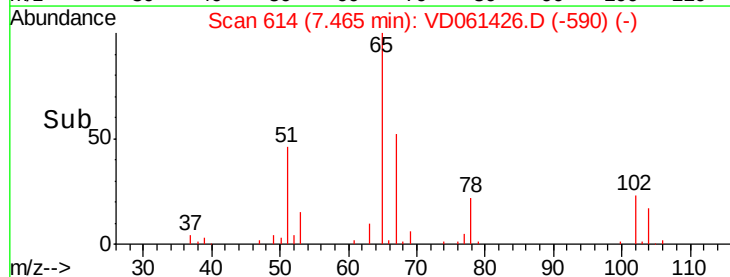
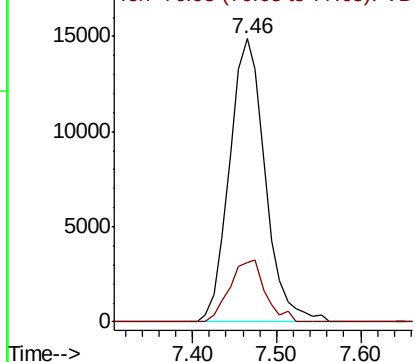


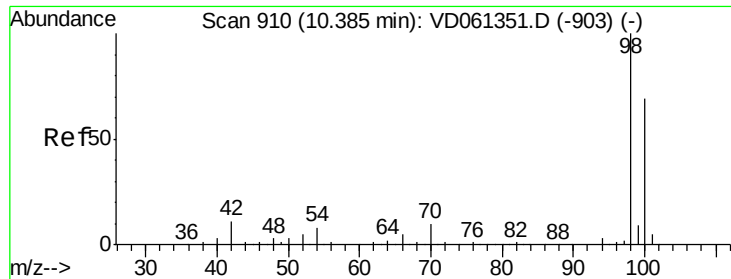
#40
Benzene
Concen: 2.478 ug/l
RT: 7.46 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD061426.D
Acq: 29 Mar 2019 13:37

Tgt Ion: 78 Resp: 43861
Ion Ratio Lower Upper
78 100
77 20.8 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

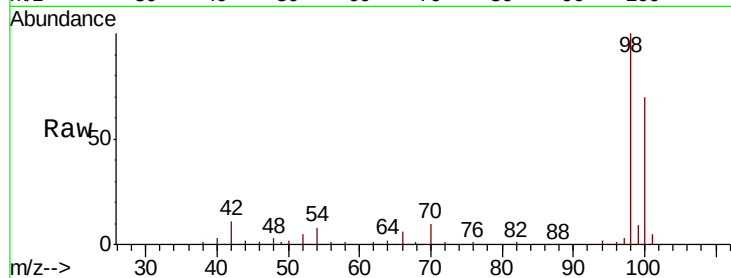




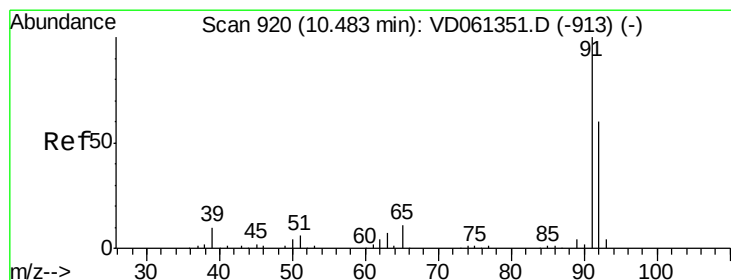
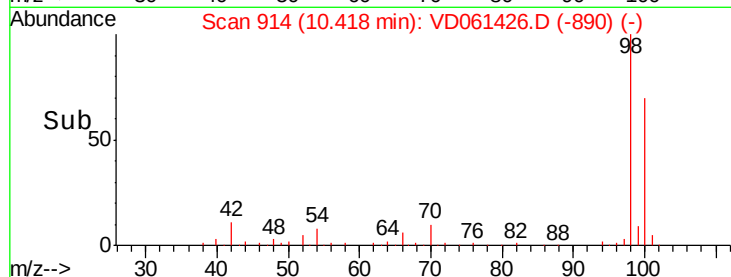
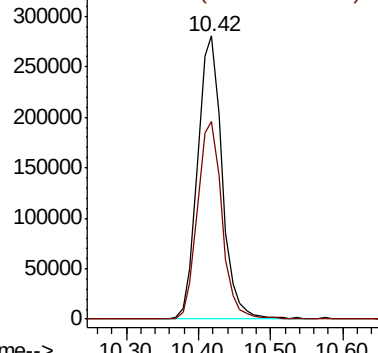
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD061426.D
Acq: 29 Mar 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 659421
Ion Ratio Lower Upper
98 100
100 70.0 56.2 84.2

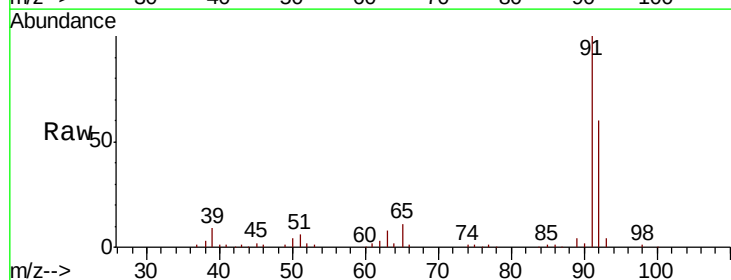


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

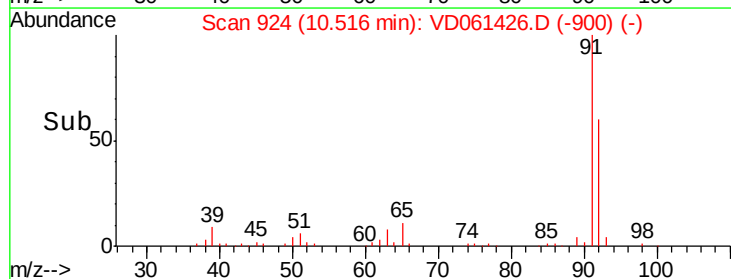
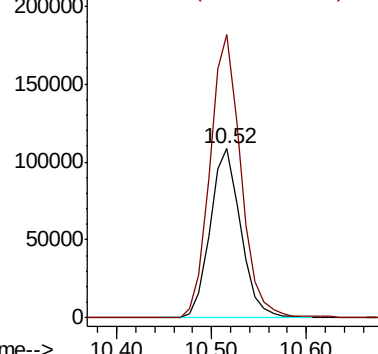


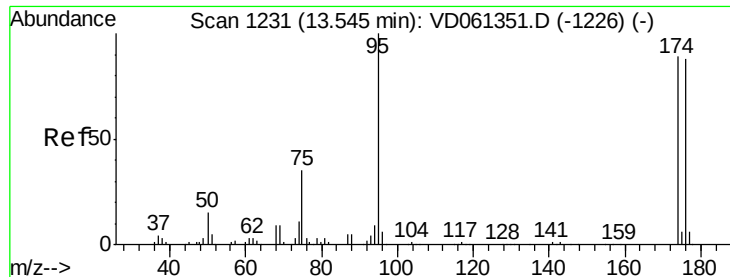
#52
Toluene
Concen: 22.414 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.03 min
Lab File: VD061426.D
Acq: 29 Mar 2019 13:37

Tgt Ion: 92 Resp: 242015
Ion Ratio Lower Upper
92 100
91 167.2 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VD0
Ion 91.00 (90.70 to 91.70): VD0

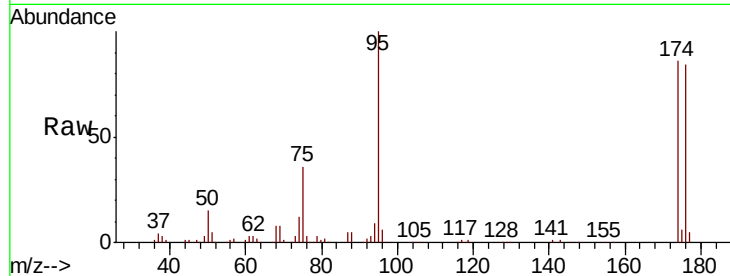




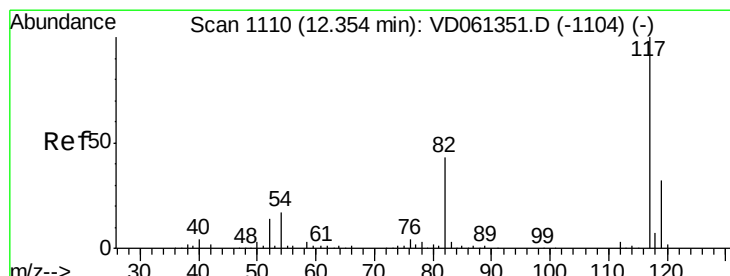
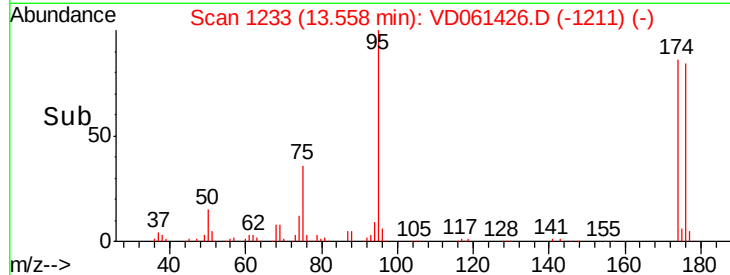
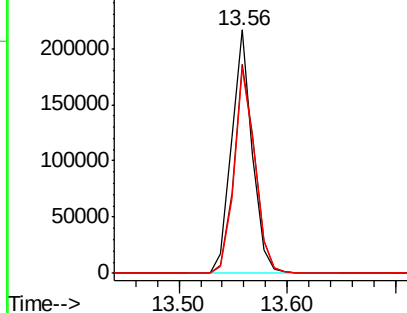
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061426.D
Acq: 29 Mar 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 287641
Ion Ratio Lower Upper
95 100
174 85.9 0.0 178.0
176 84.2 0.0 175.0

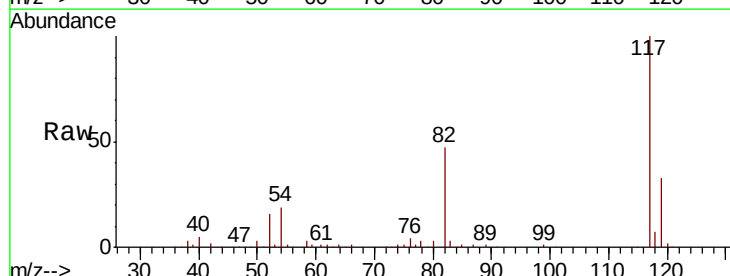


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

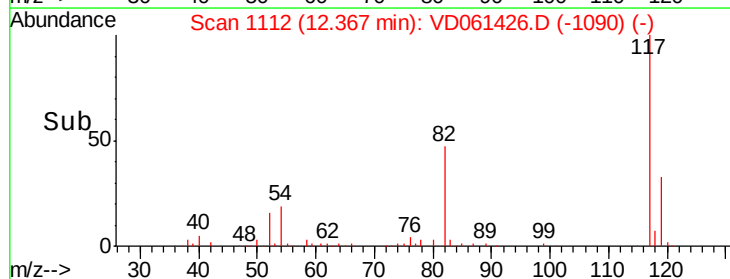
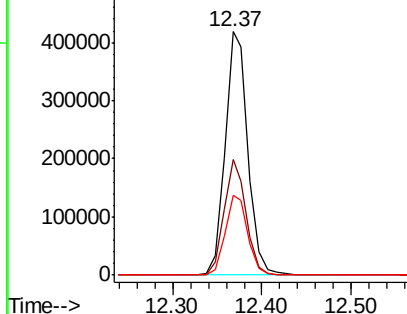


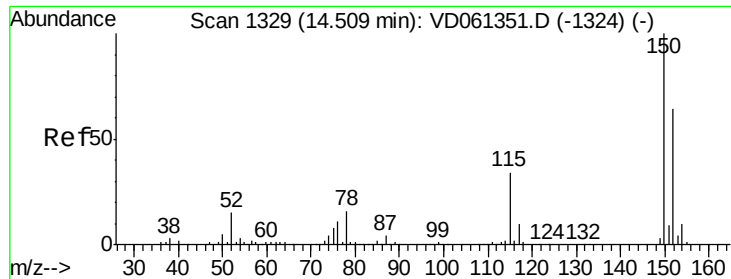
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061426.D
Acq: 29 Mar 2019 13:37

Tgt Ion: 117 Resp: 750655
Ion Ratio Lower Upper
117 100
82 47.3 34.4 51.6
119 32.8 25.8 38.6



Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061426.D

Acq: 29 Mar 2019 13:37

Instrument :

MSVOA_D

ClientSampled :

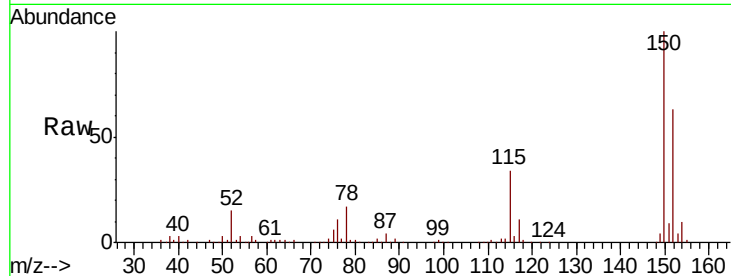
Tot Ion:152 Resp: 339782

Ion Ratio Lower Upper

152 100

115 53.7 26.9 80.6

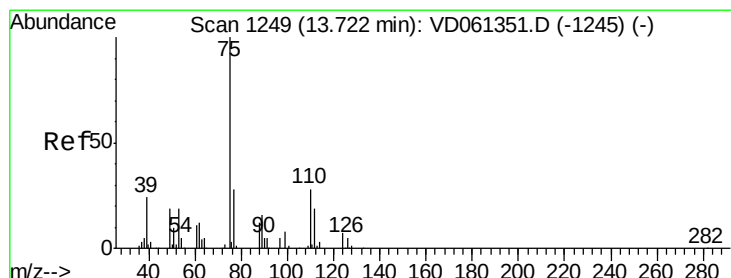
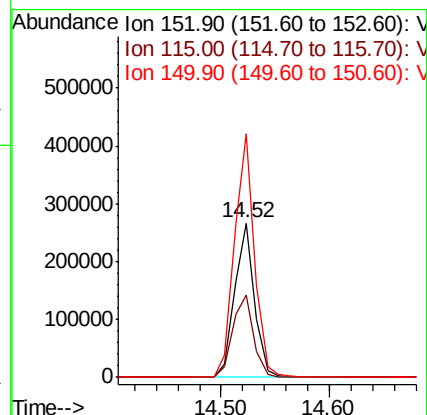
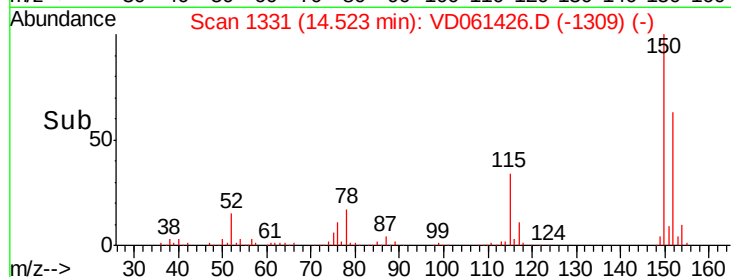
150 157.8 0.0 318.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 20.351 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061426.D

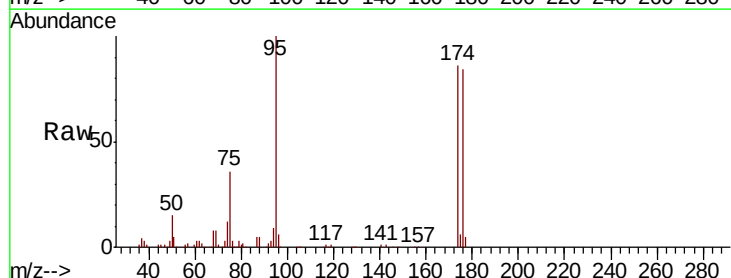
Acq: 29 Mar 2019 13:37

Tgt Ion: 75 Resp: 99887

Ion Ratio Lower Upper

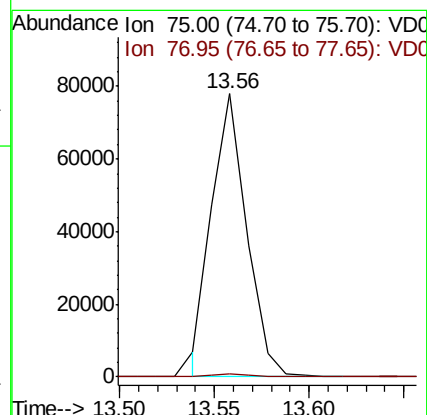
75 100

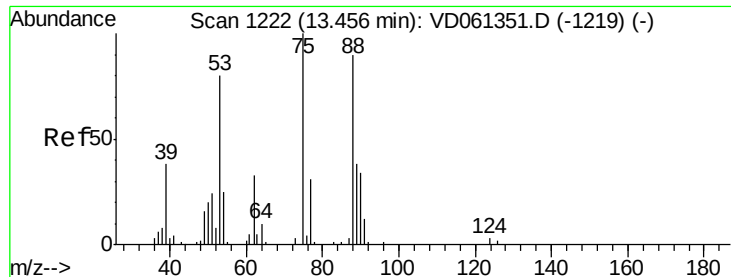
77 1.2 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 69.500 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD061426.D

Acq: 29 Mar 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 104008

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#

