

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062342.D
 Acq On : 14 May 2019 13:17
 Operator : FY/SY
 Sample : K2735-16
 Misc : 5.31g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 15 02:00:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

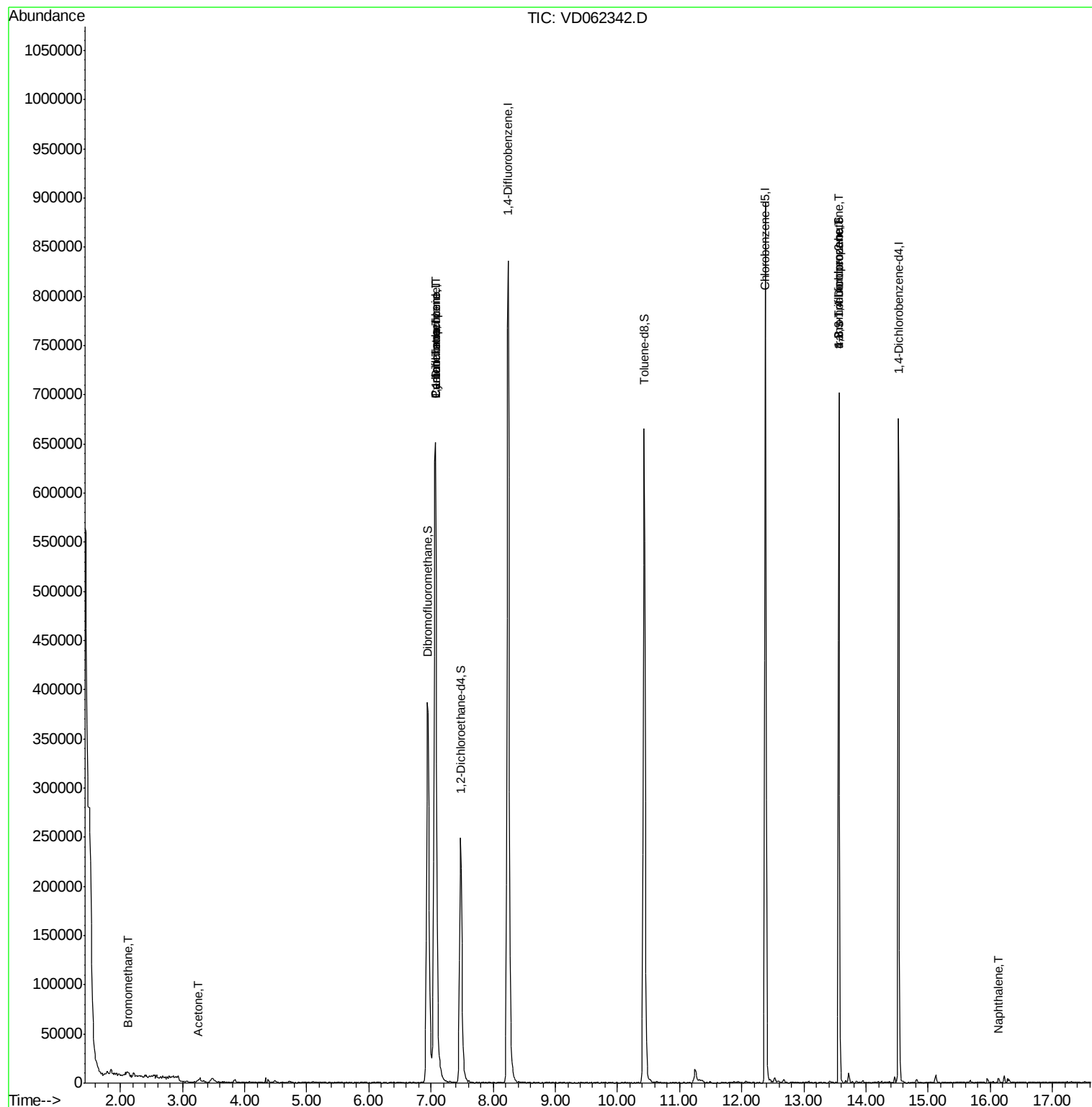
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	640282	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	913574	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	501748	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	160139	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	287742	48.36	ug/l	0.05
Spiked Amount 50.000			Recovery	=	96.72%	
35) Dibromofluoromethane	6.94	113	362069	47.77	ug/l	0.05
Spiked Amount 50.000			Recovery	=	95.54%	
50) Toluene-d8	10.43	98	560000	30.64	ug/l	0.03
Spiked Amount 50.000			Recovery	=	61.28%	
62) 4-Bromofluorobenzene	13.57	95	194334	26.48	ug/l	0.02
Spiked Amount 50.000			Recovery	=	52.96%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.13	94	1643	1.612	ug/l #	12
16) Acetone	3.23	43	3186	2.553	ug/l #	50
31) Cyclohexane	7.06	56	13591	2.177	ug/l #	13
36) 1,1-Dichloropropene	7.06	75	50934	6.800	ug/l #	49
38) Carbon Tetrachloride	7.07	117	64880	6.258	ug/l #	15
76) 1,2,3-Trichloropropane	13.57	75	79723	41.891	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.57	75	85483	159.109	ug/l #	16
95) Naphthalene	16.13	128	4141	1.008	ug/l #	81

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD062342.D

Acq: 14 May 2019 13:17

Instrument :

MSVOA_D

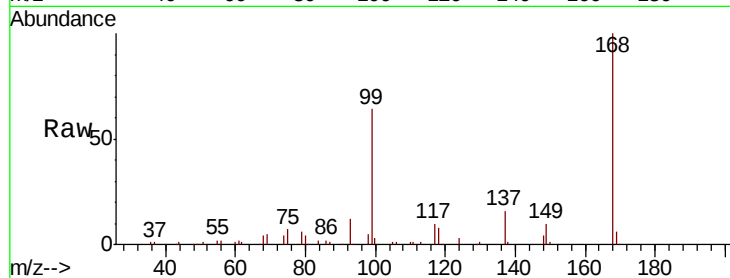
ClientSampled :

Tot Ion:168 Resp: 640282

Ion Ratio Lower Upper

168 100

99 63.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

250000

200000

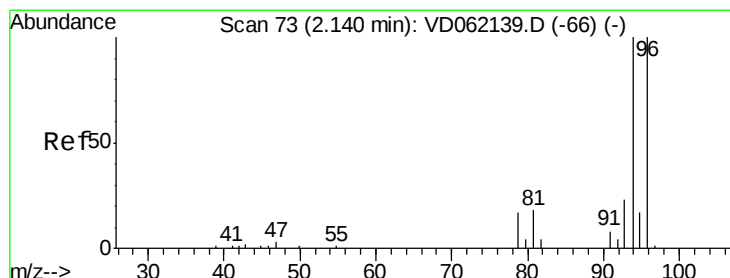
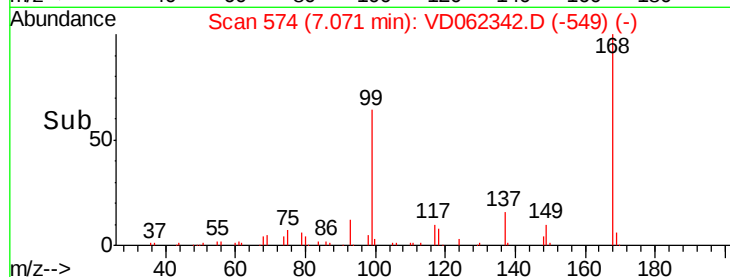
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.612 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD062342.D

Acq: 14 May 2019 13:17

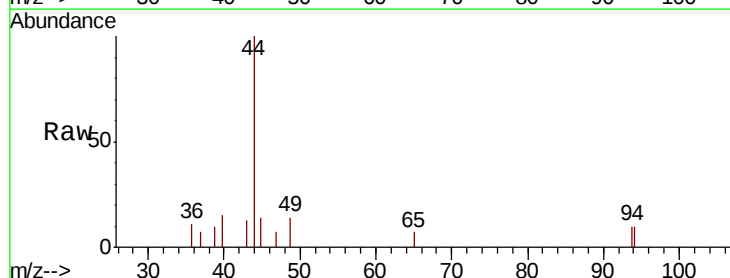
Tgt Ion: 94 Resp: 1643

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.13

1200

1000

800

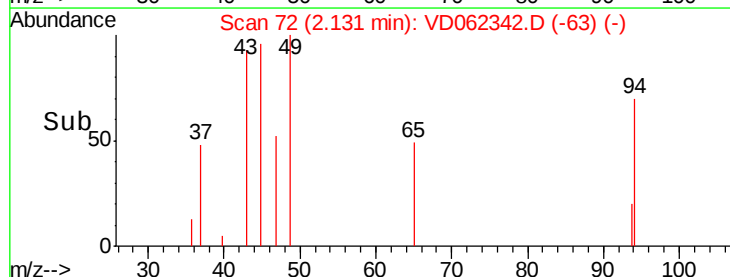
600

400

200

0

Time--> 2.10 2.15





#16

Acetone

Concen: 2.553 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062342.D

Acq: 14 May 2019 13:17

Instrument :

MSVOA_D

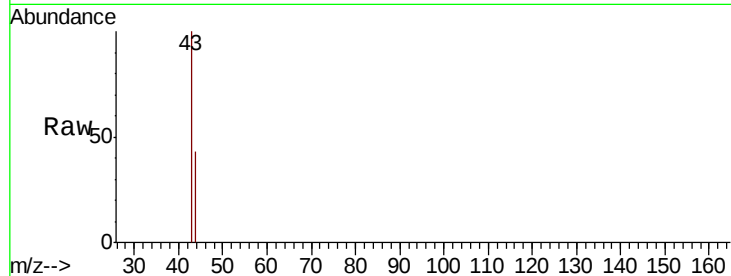
ClientSampleId :

Tot Ion: 43 Resp: 3186

Ion Ratio Lower Upper

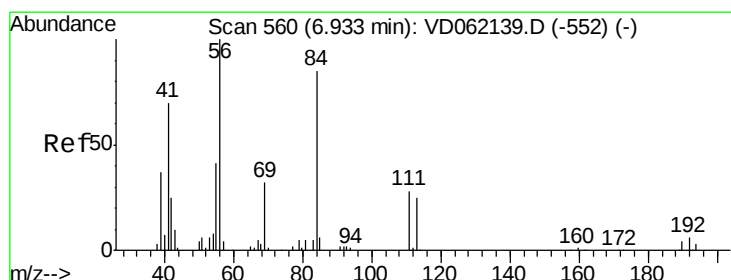
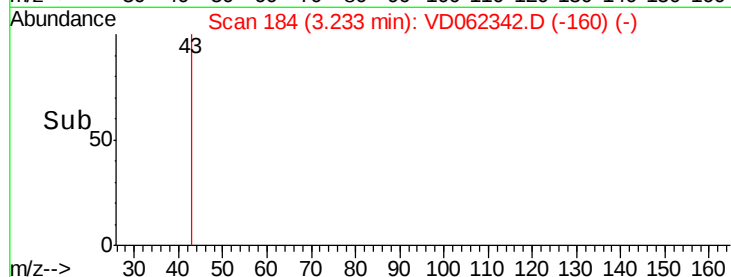
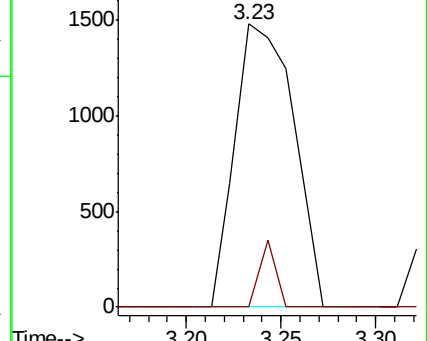
43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#31

Cyclohexane

Concen: 2.177 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.13 min

Lab File: VD062342.D

Acq: 14 May 2019 13:17

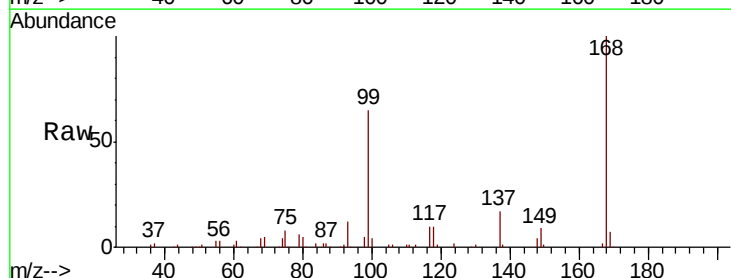
Tgt Ion: 56 Resp: 13591

Ion Ratio Lower Upper

56 100

69 217.6 25.8 38.6#

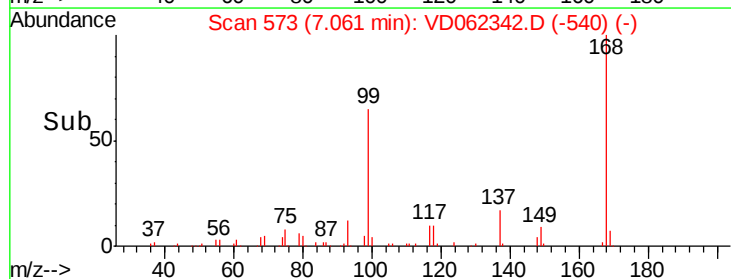
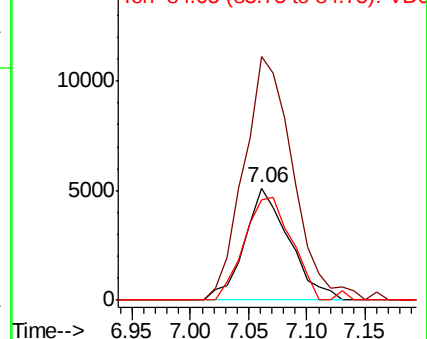
84 89.9 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 48.358 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062342.D

Acq: 14 May 2019 13:17

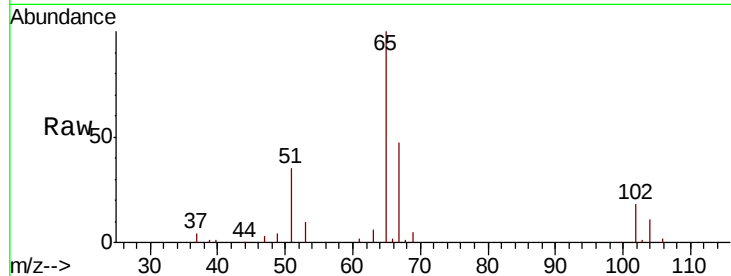
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 287742

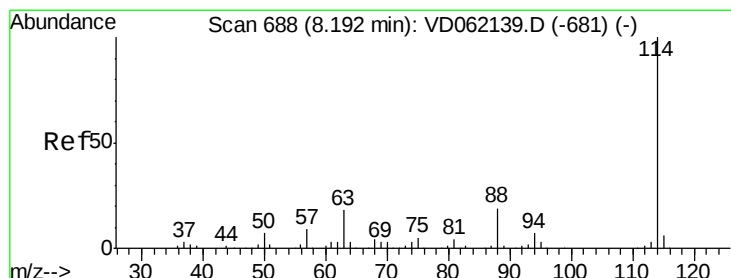
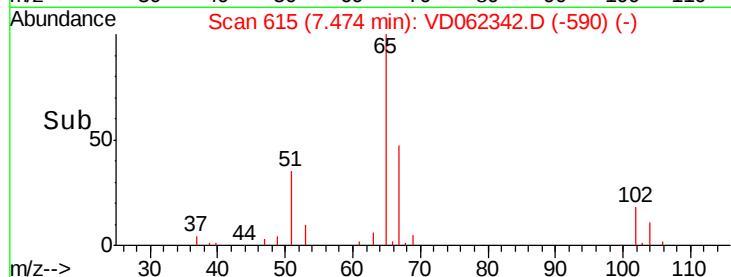
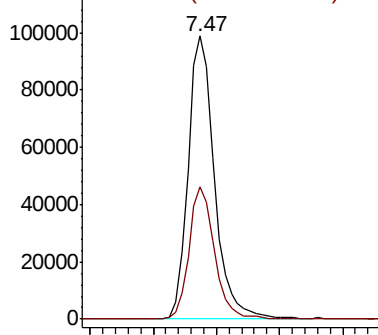
Ion Ratio Lower Upper

65 100

67 46.7 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.05 min

Lab File: VD062342.D

Acq: 14 May 2019 13:17

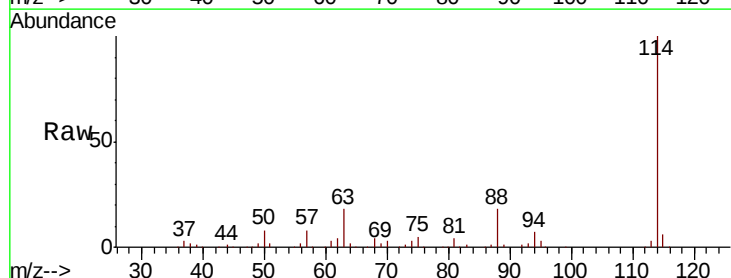
Tgt Ion: 114 Resp: 913574

Ion Ratio Lower Upper

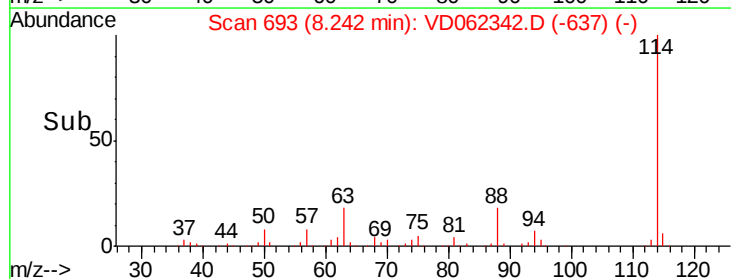
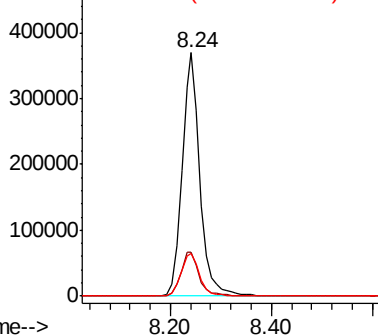
114 100

63 18.1 0.0 32.4

88 17.7 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): VDC
Ion 62.95 (62.65 to 63.65): VDC
Ion 87.90 (87.60 to 88.60): VDC

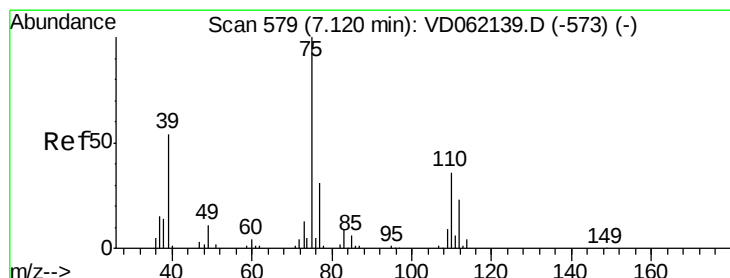
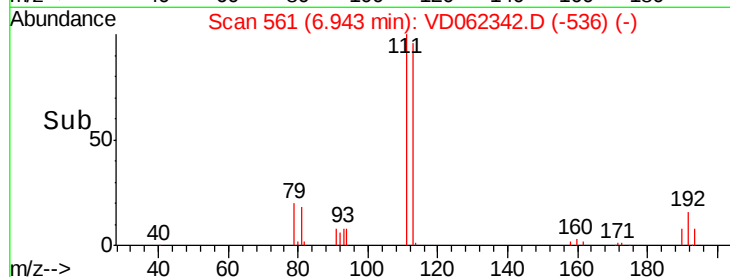
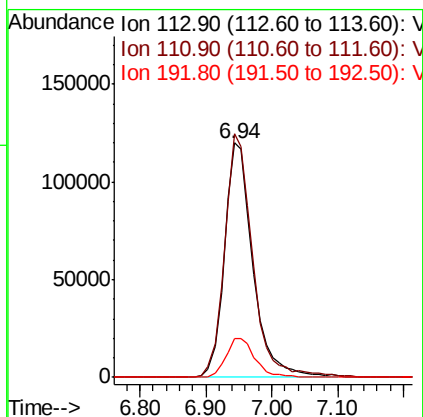
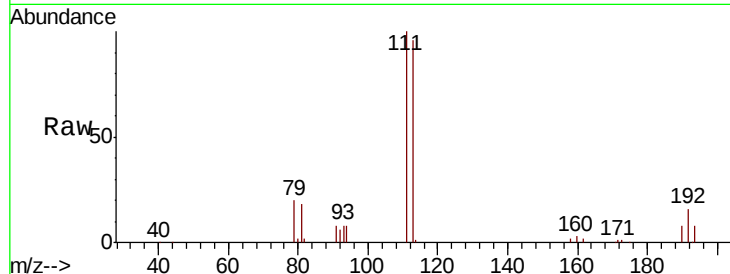




#35
 Dibromofluoromethane
 Concen: 47.766 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062342.D
 Acq: 14 May 2019 13:17

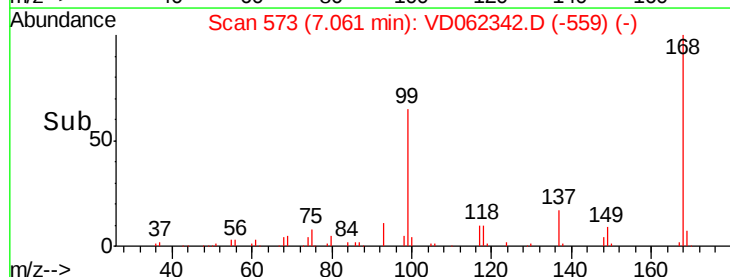
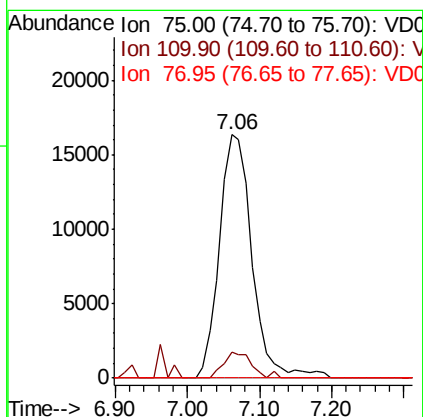
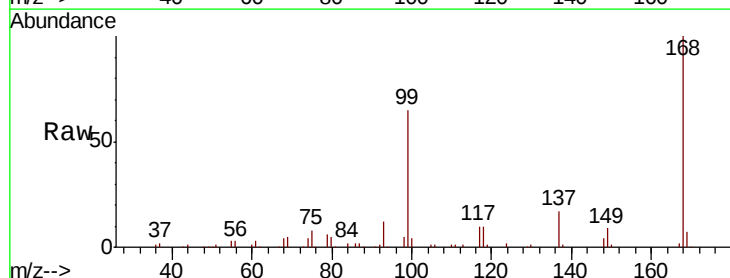
Instrument :
 MSVOA_D
 ClientSampleId :

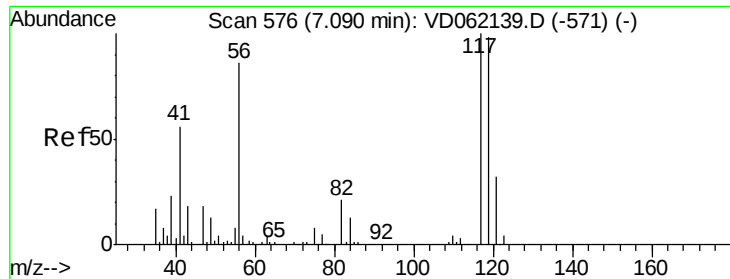
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	78.5	117.7
192	16.4	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 6.800 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.06 min
 Lab File: VD062342.D
 Acq: 14 May 2019 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.7	19.1	57.1#
77	0.0	25.6	38.4#

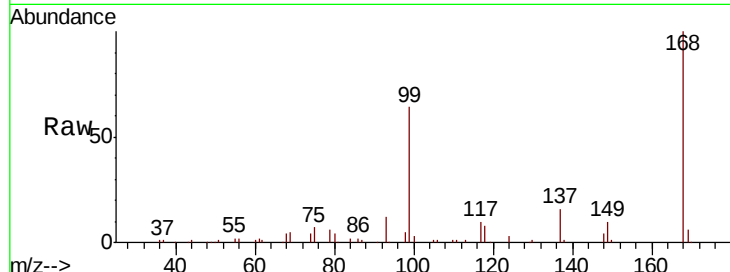




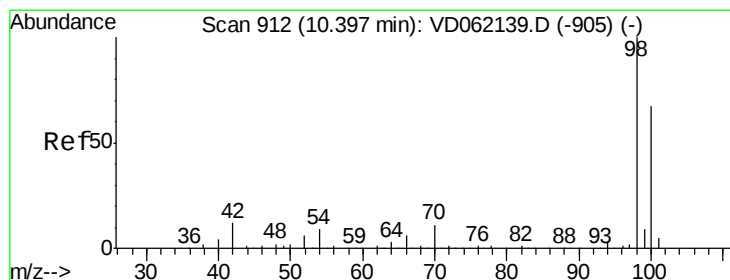
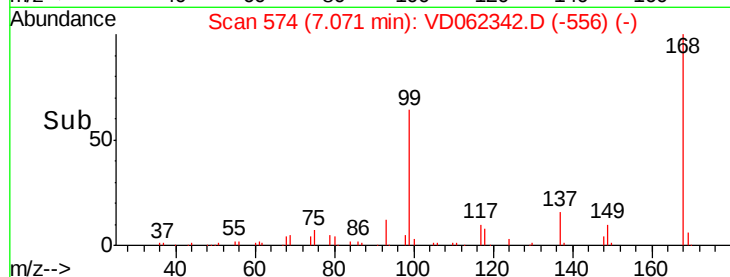
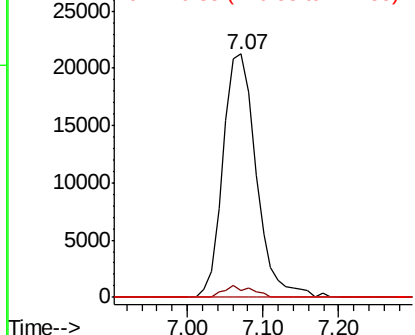
#38
Carbon Tetrachloride
Concen: 6.258 ug/l
RT: 7.07 min Scan# 574
Delta R.T. -0.02 min
Lab File: VD062342.D
Acq: 14 May 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 64880
Ion Ratio Lower Upper
117 100
119 2.7 75.8 113.8#
121 0.0 25.9 38.9#

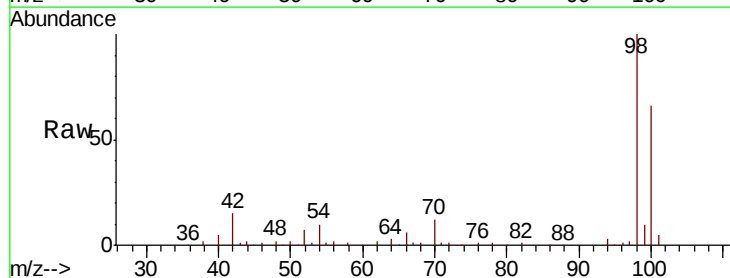


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

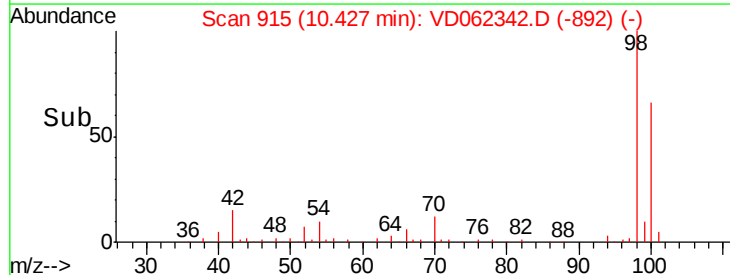
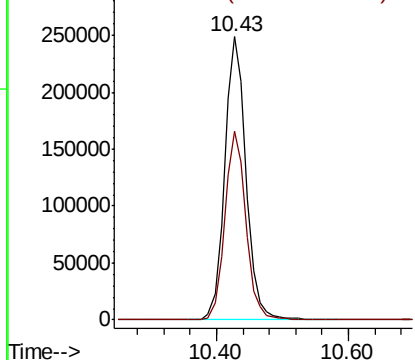


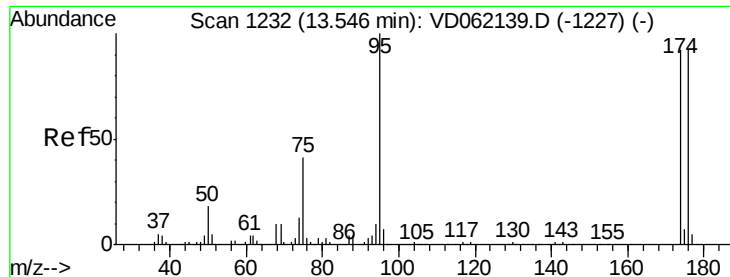
#50
Toluene-d8
Concen: 30.641 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062342.D
Acq: 14 May 2019 13:17

Tgt Ion: 98 Resp: 560000
Ion Ratio Lower Upper
98 100
100 66.4 53.8 80.8



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

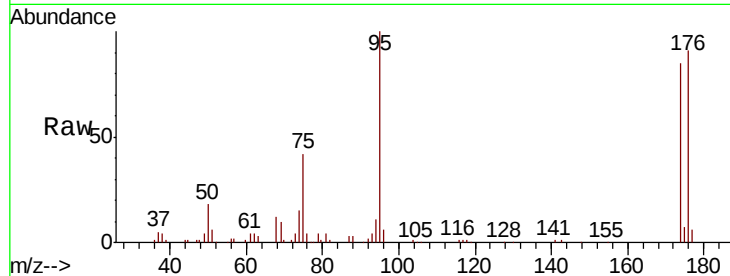




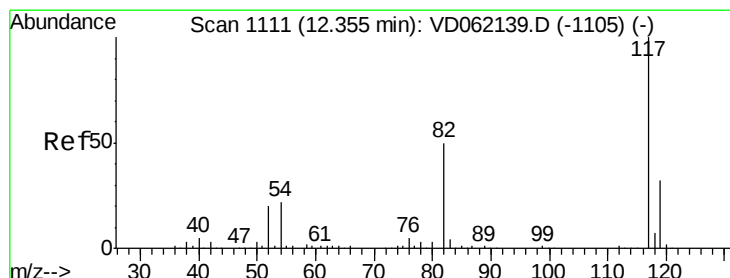
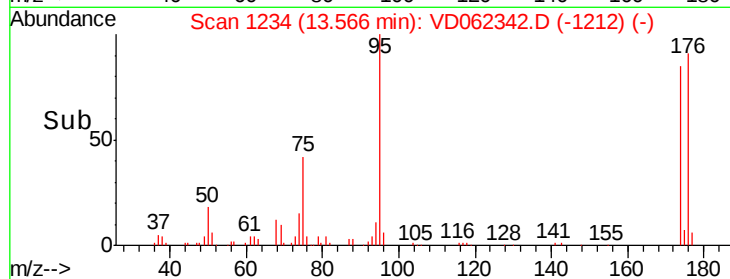
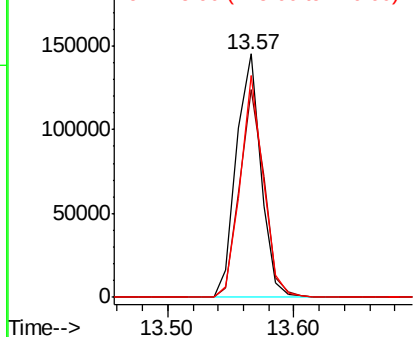
#62
4-Bromofluorobenzene
Concen: 26.480 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD062342.D
Acq: 14 May 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	95	Resp	194334
Ion Ratio	Lower	Upper	
95	100		
174	85.4	0.0	181.8
176	91.3	0.0	174.4

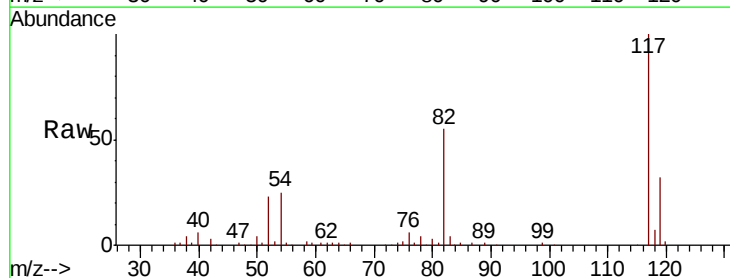


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

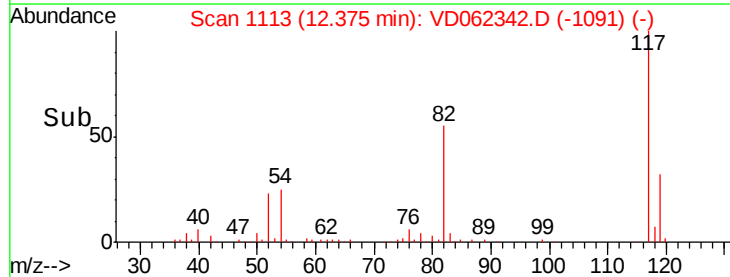
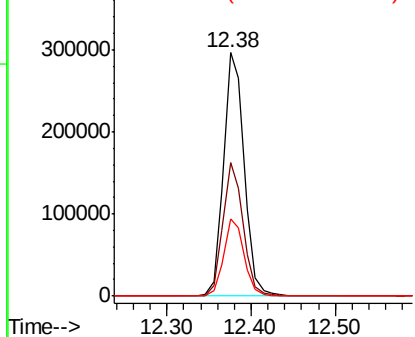


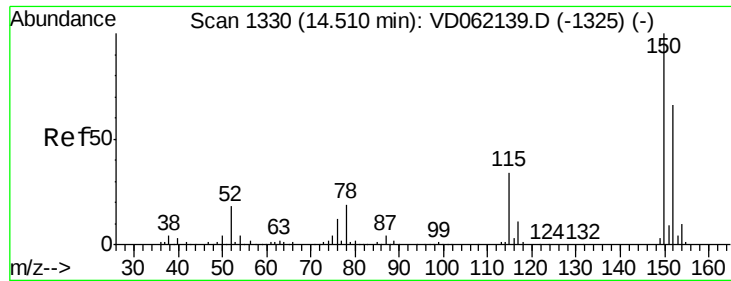
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062342.D
Acq: 14 May 2019 13:17

Tgt Ion	117	Resp	501748
Ion Ratio	Lower	Upper	
117	100		
82	54.7	36.2	54.2#
119	31.6	26.2	39.4



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: 14.53 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD062342.D

Acq: 14 May 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

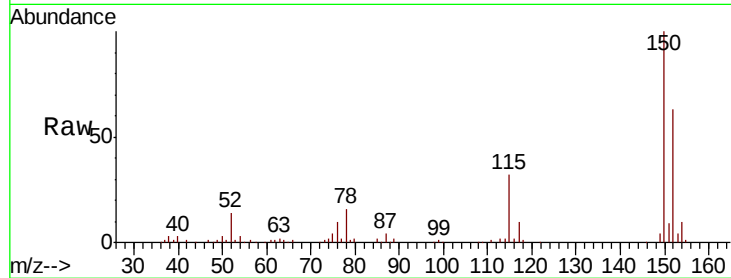
Tot Ion:152 Resp: 160139

Ion Ratio Lower Upper

152 100

115 51.6 30.9 92.7

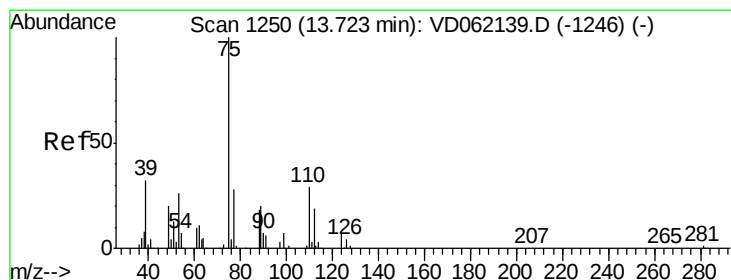
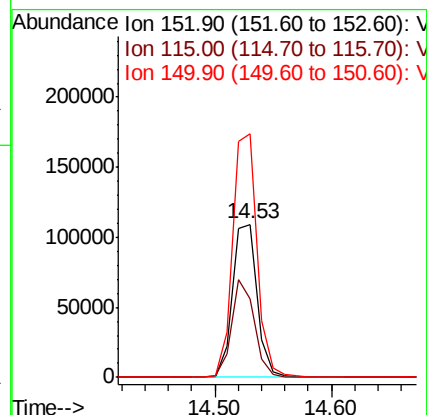
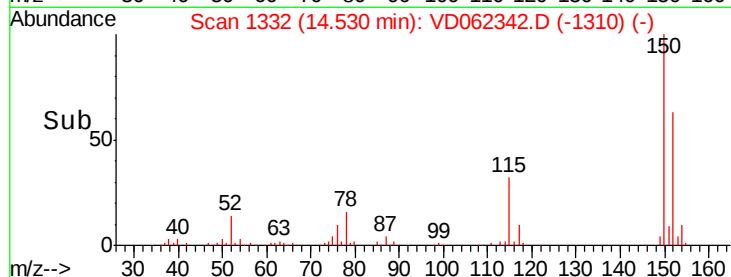
150 159.0 0.0 314.8



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: 41.891 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062342.D

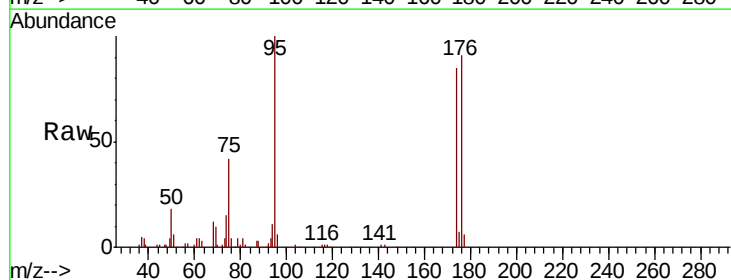
Acq: 14 May 2019 13:17

Tgt Ion: 75 Resp: 79723

Ion Ratio Lower Upper

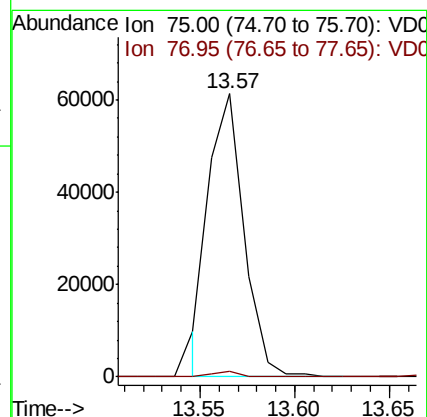
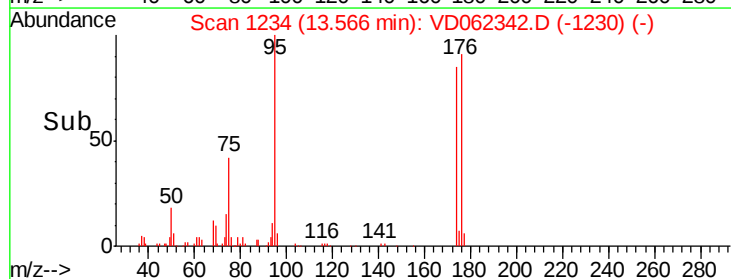
75 100

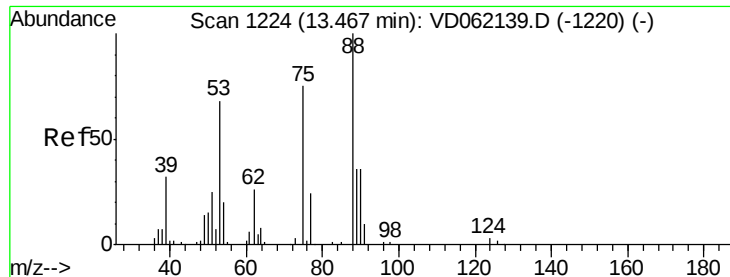
77 2.0 16.4 49.4#



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: 159.109 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062342.D

Acq: 14 May 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

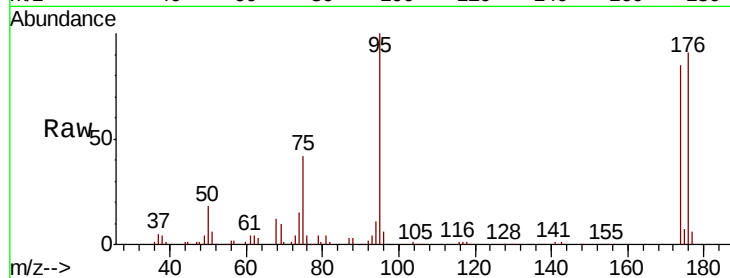
Tot Ion: 75 Resp: 85483

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

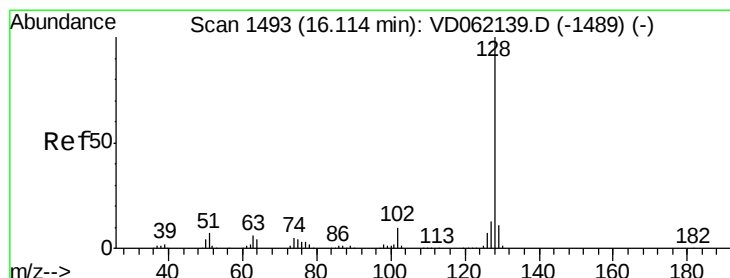
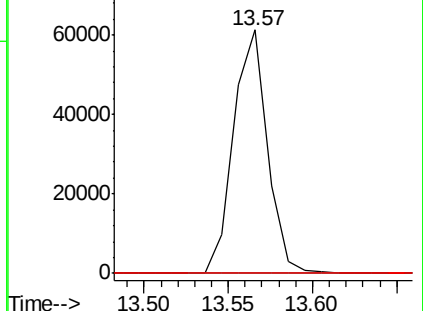
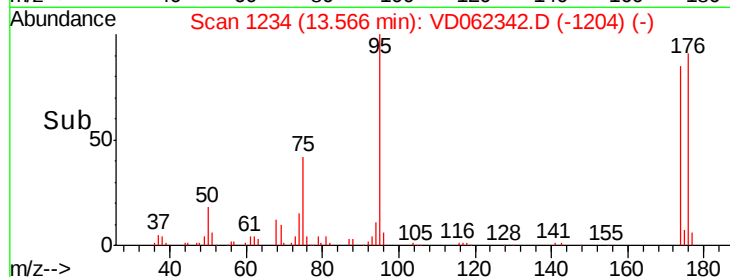
89 0.0 35.0 52.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#95

Naphthalene

Concen: 1.008 ug/l

RT: 16.13 min Scan# 1495

Delta R.T. 0.02 min

Lab File: VD062342.D

Acq: 14 May 2019 13:17

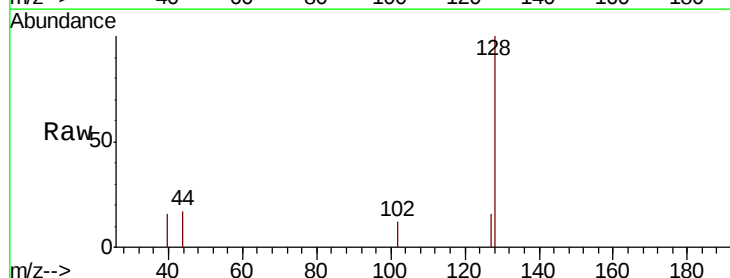
Tgt Ion: 128 Resp: 4141

Ion Ratio Lower Upper

128 100

127 16.2 9.8 14.8#

129 0.0 8.8 13.2#



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

