

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062396.D
 Acq On : 15 May 2019 18:58
 Operator : FY/SY
 Sample : K2822-04
 Misc : 5.06g/5mL/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 16 03:58:54 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	7.05	168	17429	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	29925	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	18347	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	7246	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	19808	122.29	ug/l	0.02
Spiked Amount			Recovery	=	244.58%	
35) Dibromofluoromethane	6.92	113	13804	55.60	ug/l	0.02
Spiked Amount			Recovery	=	111.20%	
50) Toluene-d8	10.41	98	21856	36.51	ug/l	0.01
Spiked Amount			Recovery	=	73.02%	
62) 4-Bromofluorobenzene	13.56	95	8163	33.96	ug/l	0.01
Spiked Amount			Recovery	=	67.92%	

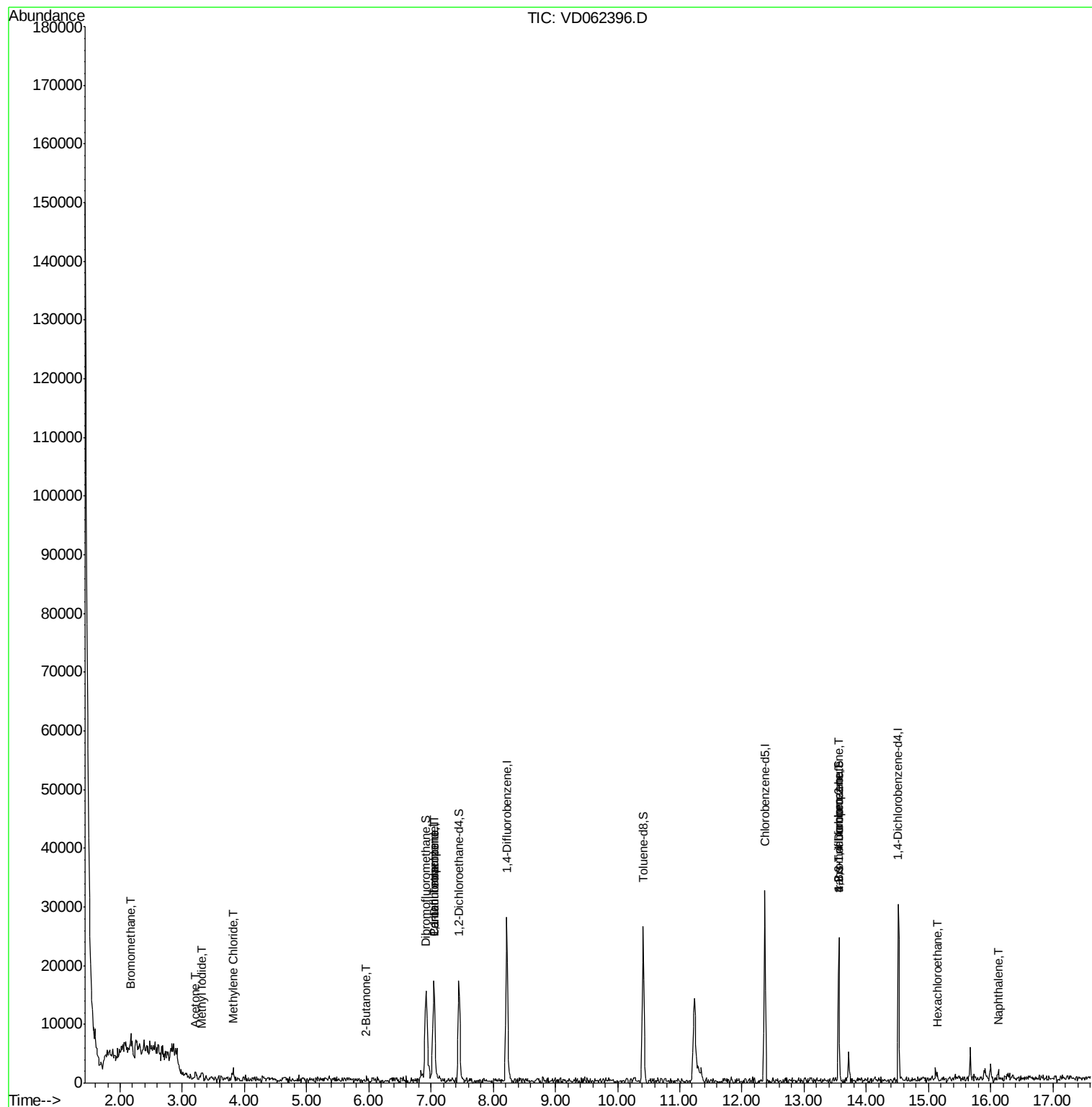
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	380	13.700	ug/l #	12
10) Methyl Iodide	3.31	142	921	3.500	ug/l #	87
16) Acetone	3.22	43	543	15.986	ug/l #	50
20) Methylene Chloride	3.82	84	654	4.611	ug/l #	51
25) 2-Butanone	5.94	43	212	5.722	ug/l #	56
36) 1,1-Dichloropropene	7.06	75	723	2.947	ug/l #	40
38) Carbon Tetrachloride	7.04	117	1437	4.232	ug/l #	12
76) 1,2,3-Trichloropropane	13.56	75	3213	37.311	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	3213	132.167	ug/l #	16
90) Hexachloroethane	15.15	117	705	6.437	ug/l #	20
95) Naphthalene	16.13	128	1157	6.224	ug/l #	70

(#) = 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: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062396.D

Acq: 15 May 2019 18:58

Instrument :

MSVOA_D

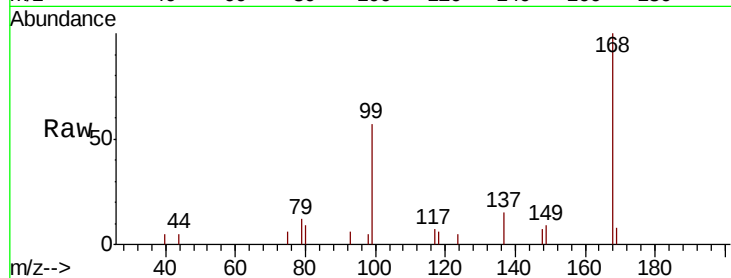
ClientSampleId :

Tot Ion:168 Resp: 17429

Ion Ratio Lower Upper

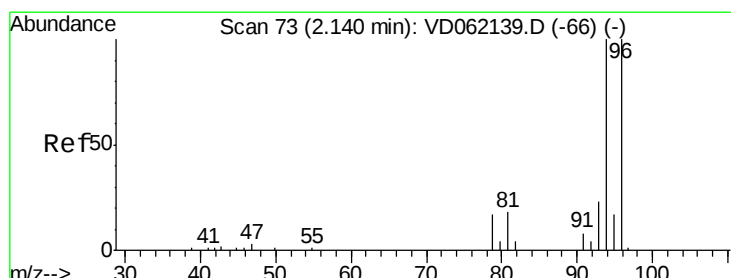
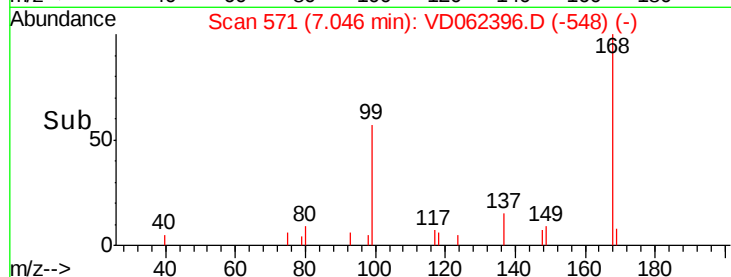
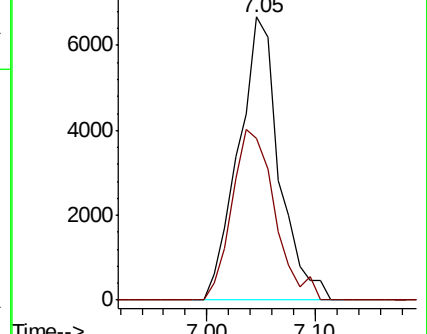
168 100

99 57.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 13.700 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD062396.D

Acq: 15 May 2019 18:58

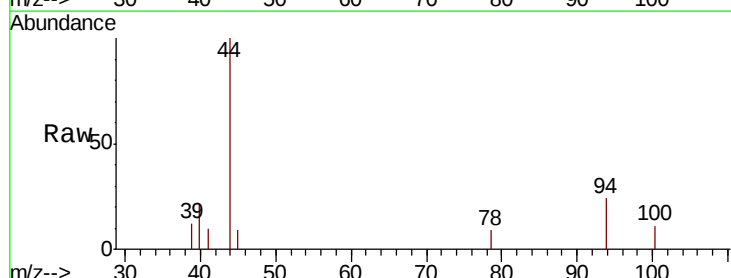
Tgt Ion: 94 Resp: 380

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

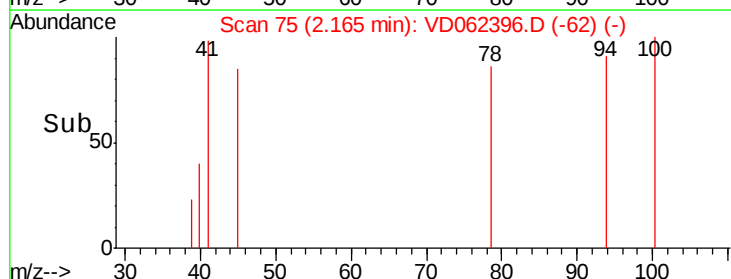
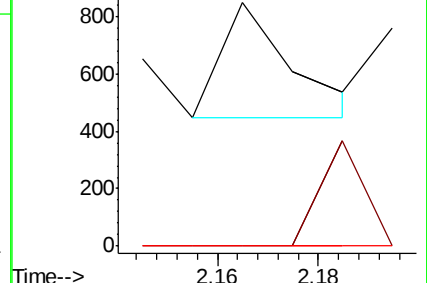
93 0.0 18.5 27.7#

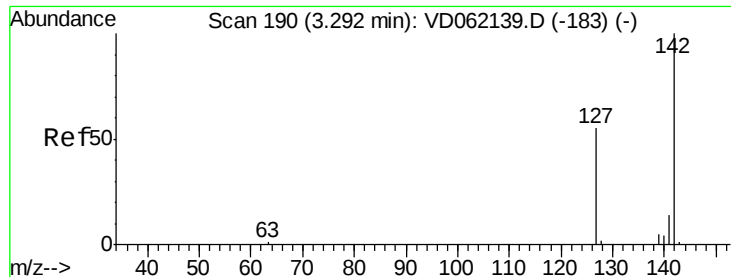


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

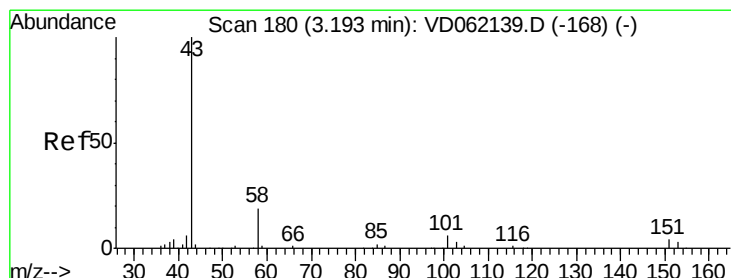
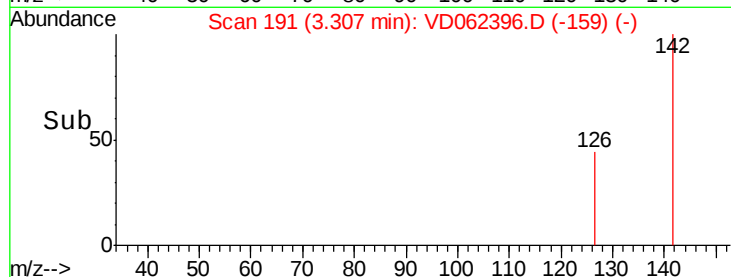
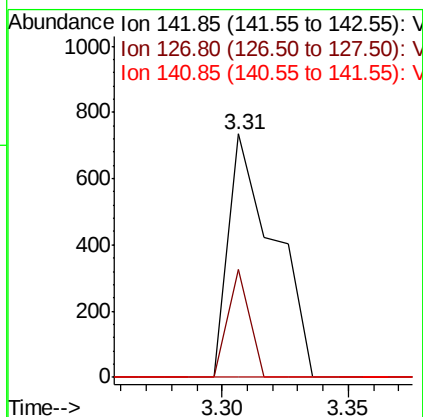
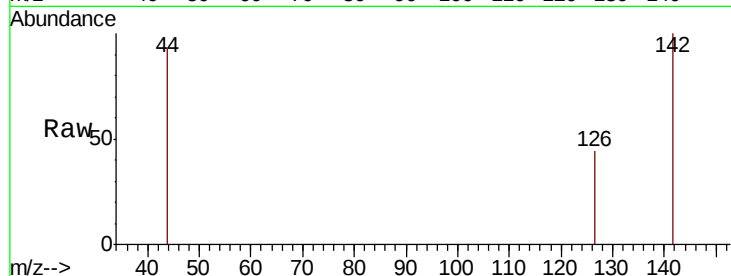




#10
Methyl Iodide
Concen: 3.500 ug/l
RT: 3.31 min Scan# 191
Delta R.T. 0.01 min
Lab File: VD062396.D
Acq: 15 May 2019 18:58

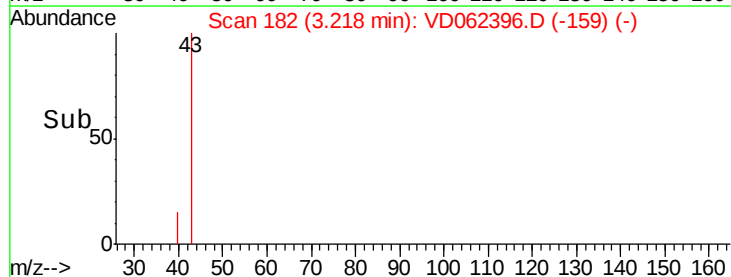
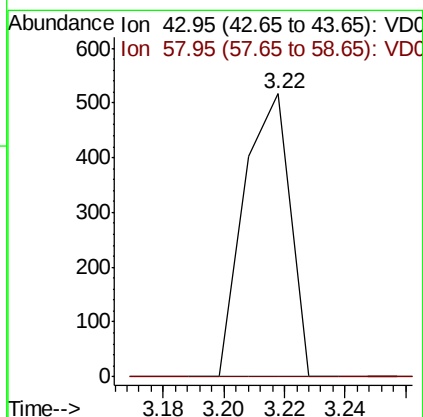
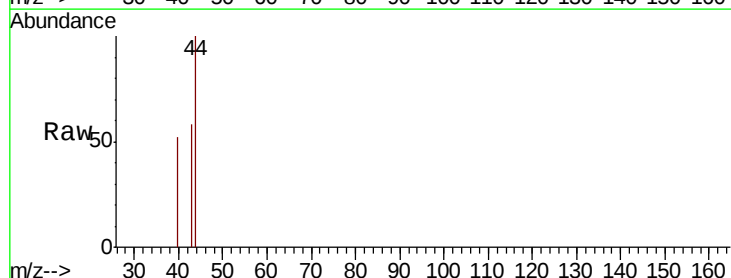
Instrument :
MSVOA_D
ClientSampled :

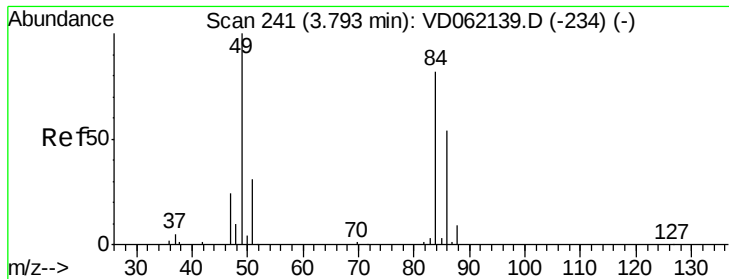
Tot Ion:142 Resp: 921
Ion Ratio Lower Upper
142 100
127 44.2 38.8 58.2
141 0.0 11.4 17.0#



#16
Acetone
Concen: 15.986 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.02 min
Lab File: VD062396.D
Acq: 15 May 2019 18:58

Tgt Ion: 43 Resp: 543
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#

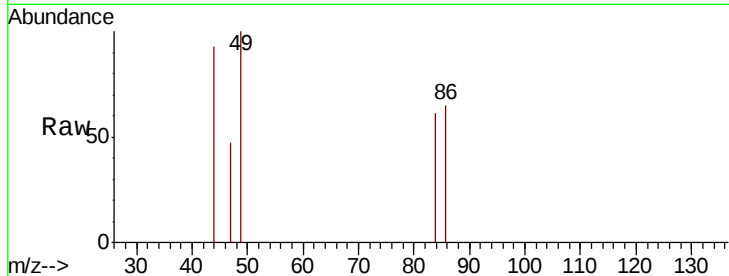




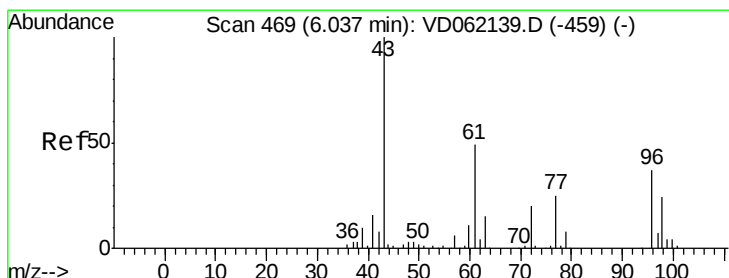
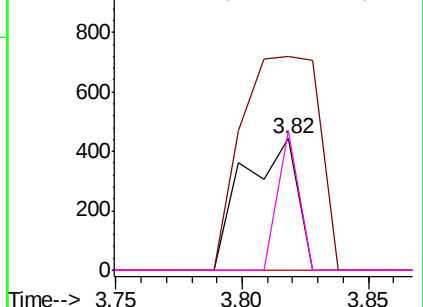
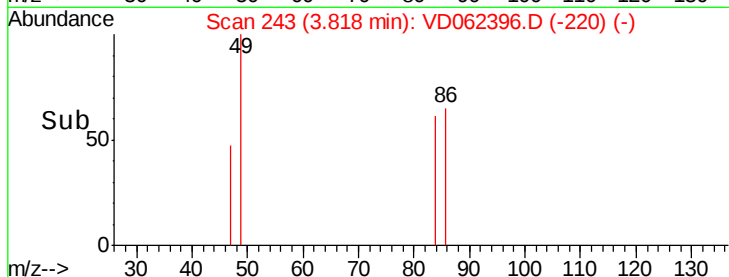
#20
Methvlene Chloride
Concen: 4.611 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062396.D
Acq: 15 May 2019 18:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 654
Ion Ratio Lower Upper
84 100
49 162.7 94.0 141.0#
51 0.0 29.0 43.4#
86 106.3 49.8 74.6#

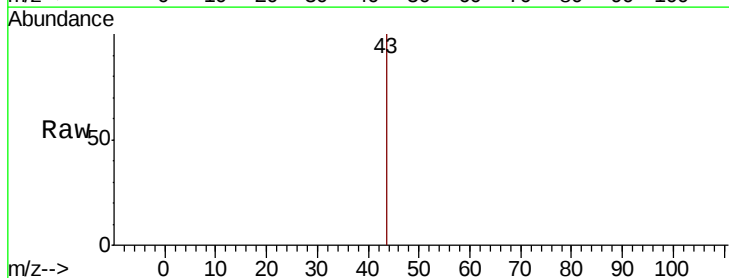


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

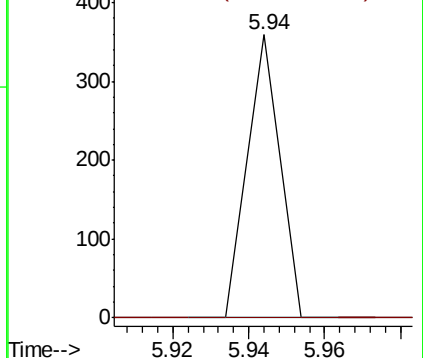
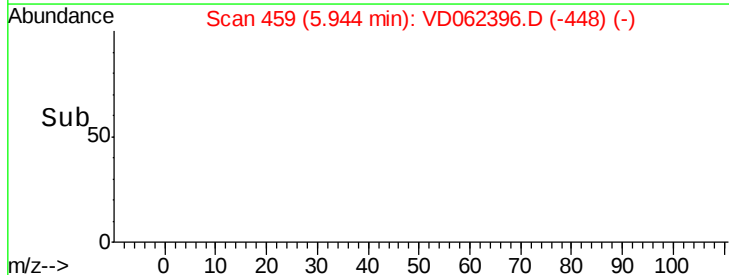


#25
2-Butanone
Concen: 5.722 ug/l
RT: 5.94 min Scan# 459
Delta R.T. -0.09 min
Lab File: VD062396.D
Acq: 15 May 2019 18:58

Tgt Ion: 43 Resp: 212
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 122.294 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD062396.D

Acq: 15 May 2019 18:58

Instrument :

MSVOA_D

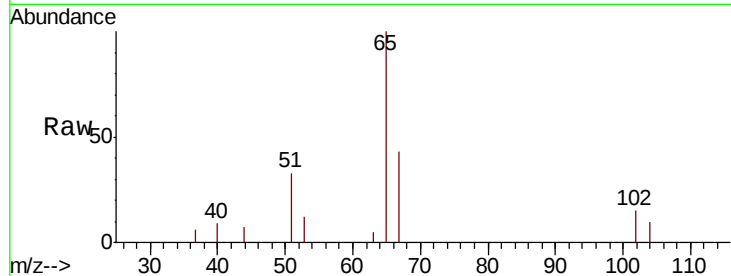
ClientSampleId :

Tot Ion: 65 Resp: 19808

Ion Ratio Lower Upper

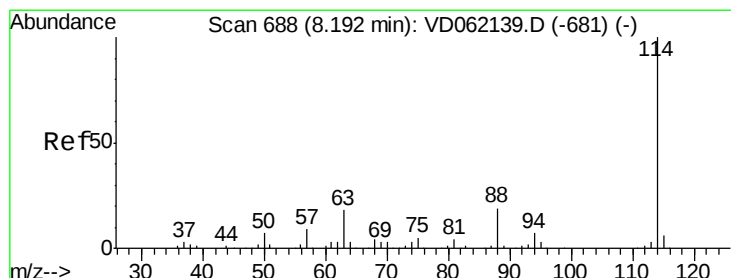
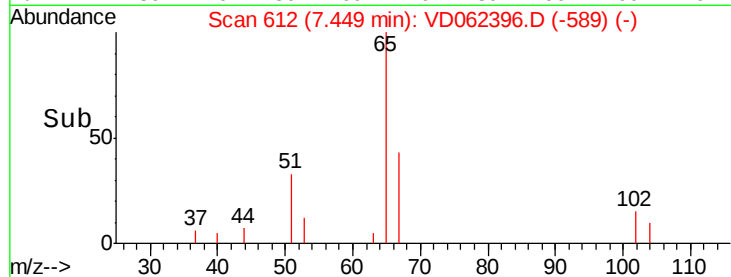
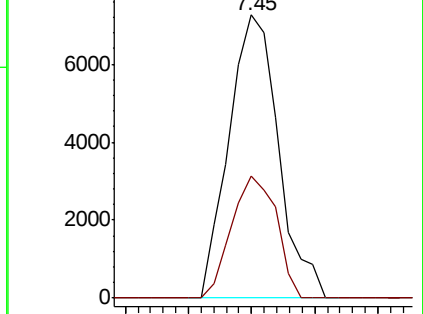
65 100

67 43.0 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: 8.22 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD062396.D

Acq: 15 May 2019 18:58

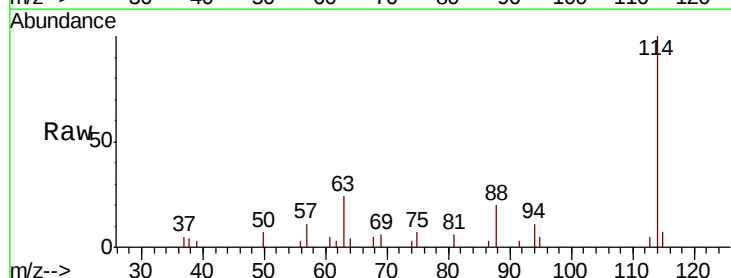
Tgt Ion: 114 Resp: 29925

Ion Ratio Lower Upper

114 100

63 24.0 0.0 32.4

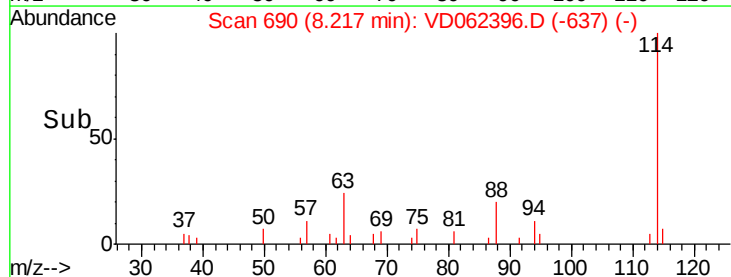
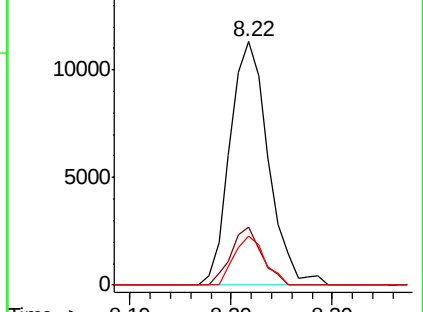
88 20.3 0.0 33.6

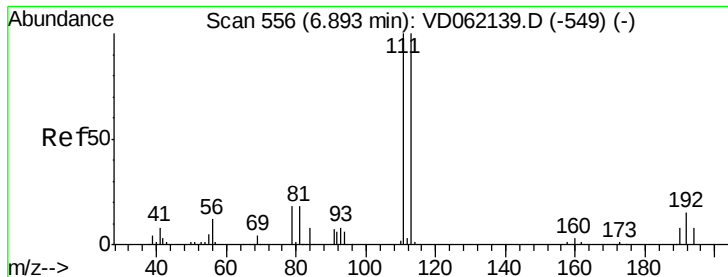


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 55.596 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD062396.D

Acq: 15 May 2019 18:58

Instrument :

MSVOA_D

ClientSampleId :

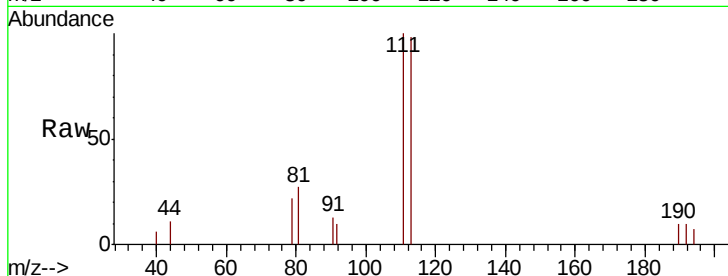
Tot Ion:113 Resp: 13804

Ion Ratio Lower Upper

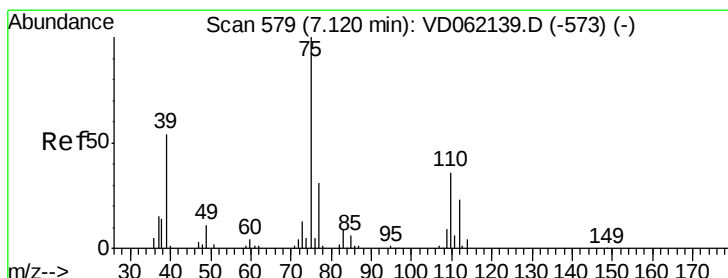
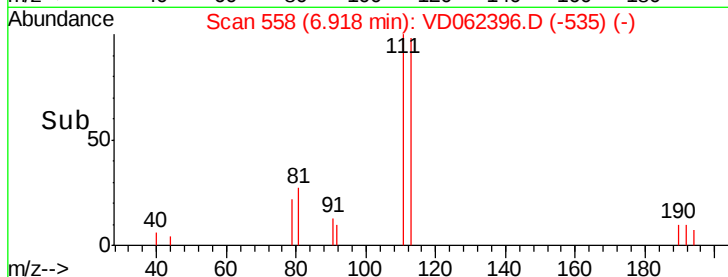
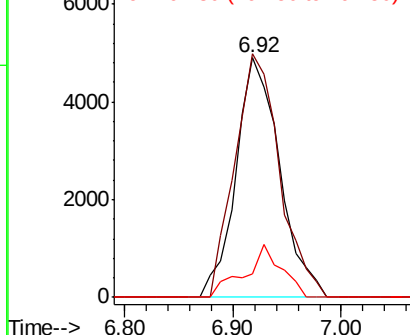
113 100

111 101.6 78.5 117.7

192 9.7 13.0 19.4#



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: 2.947 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD062396.D

Acq: 15 May 2019 18:58

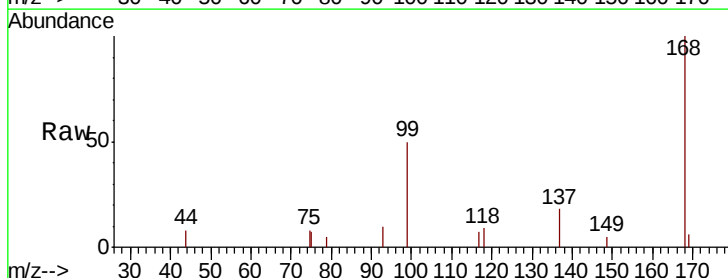
Tgt Ion: 75 Resp: 723

Ion Ratio Lower Upper

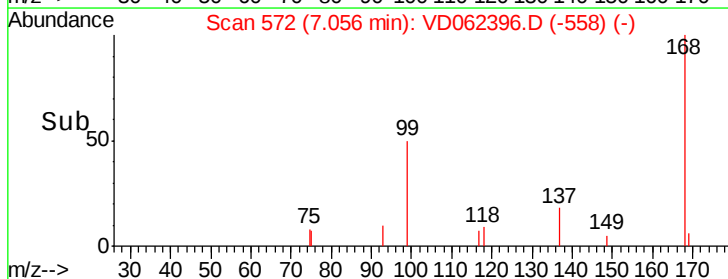
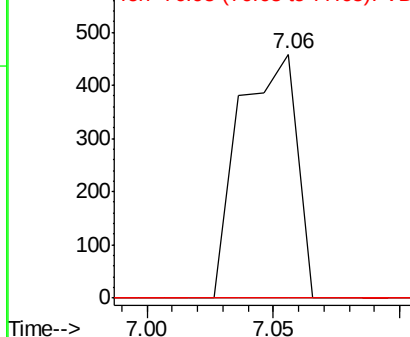
75 100

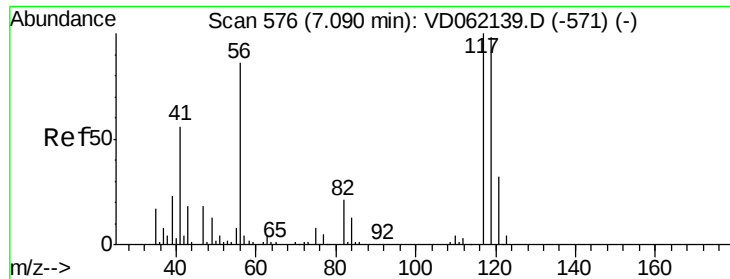
110 0.0 19.1 57.1#

77 0.0 25.6 38.4#



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

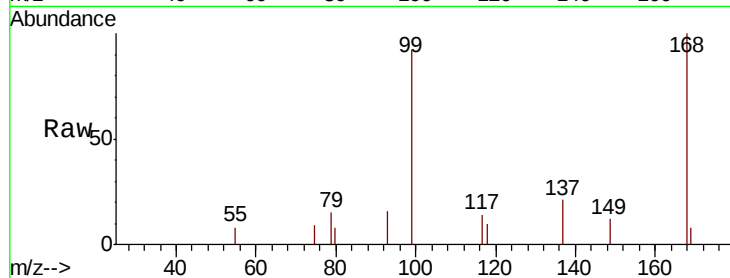




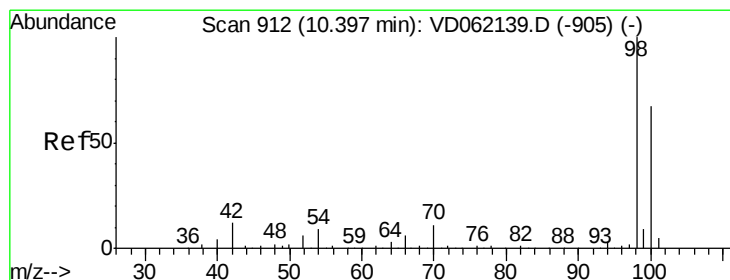
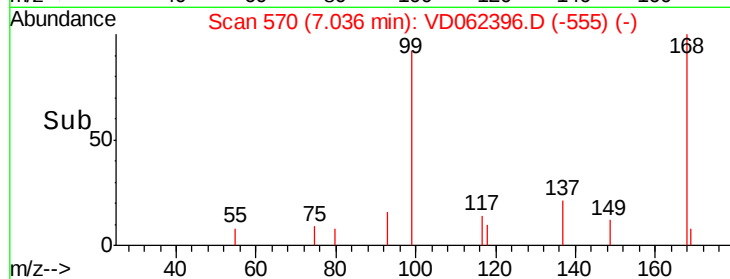
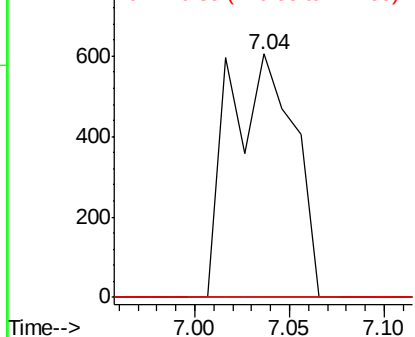
#38
Carbon Tetrachloride
Concen: 4.232 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.05 min
Lab File: VD062396.D
Acq: 15 May 2019 18:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1437
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.9 38.9#

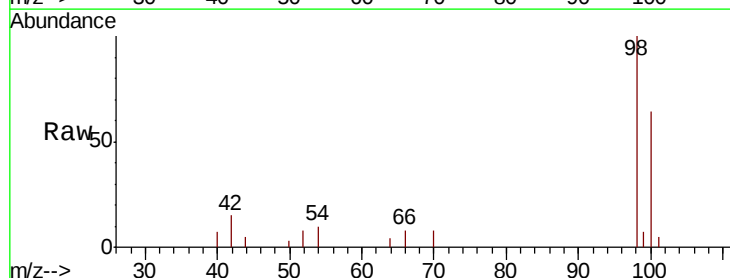


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

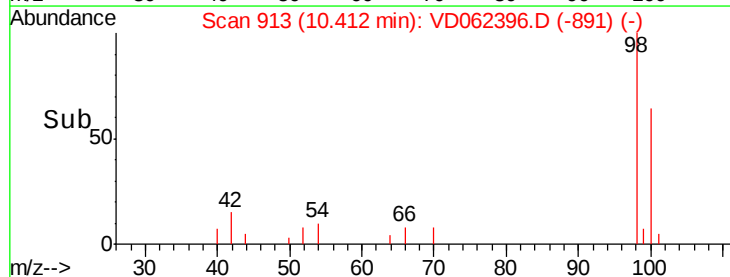
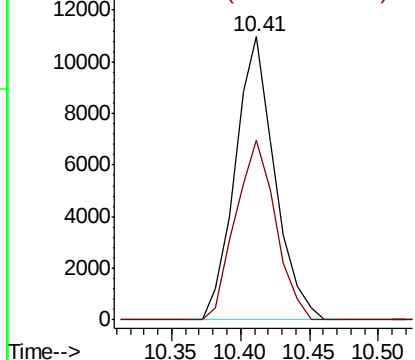


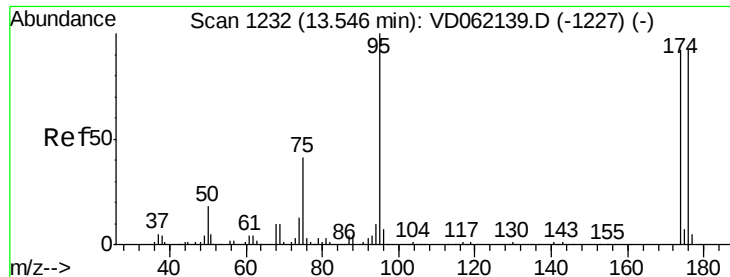
#50
Toluene-d8
Concen: 36.509 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062396.D
Acq: 15 May 2019 18:58

Tgt Ion: 98 Resp: 21856
Ion Ratio Lower Upper
98 100
100 63.6 53.8 80.8



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

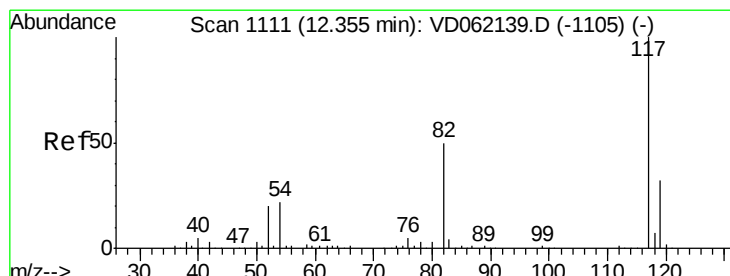
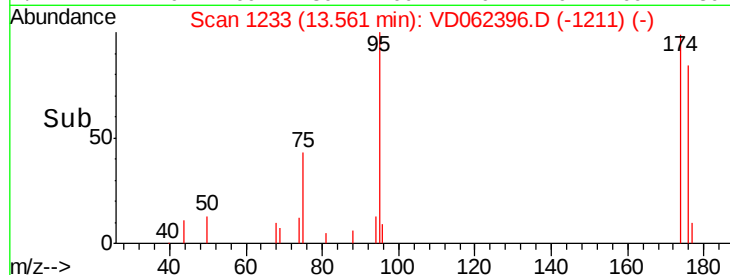
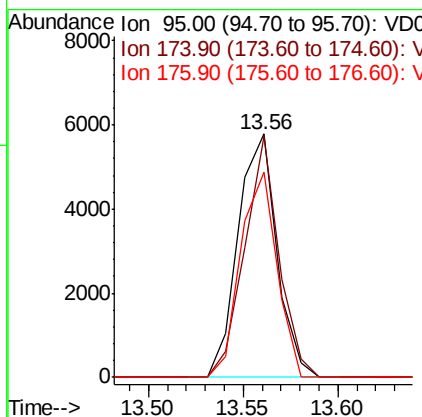
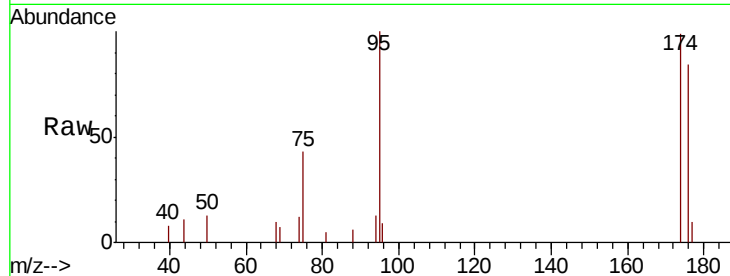




#62
4-Bromofluorobenzene
Concen: 33.957 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062396.D
Acq: 15 May 2019 18:58

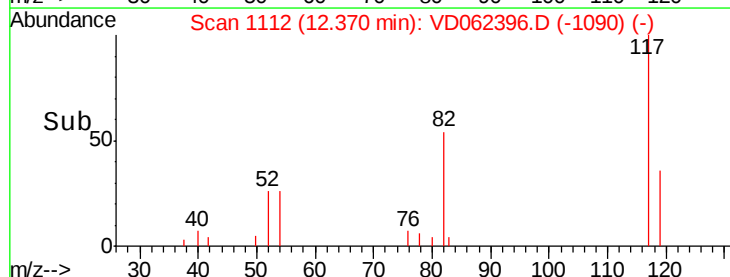
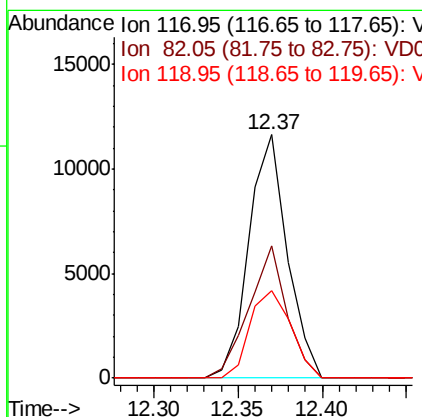
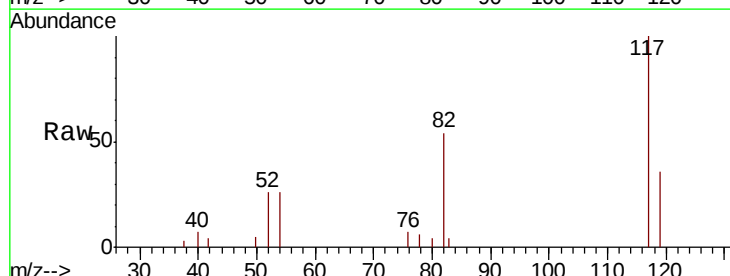
Instrument :
MSVOA_D
ClientSampleId :

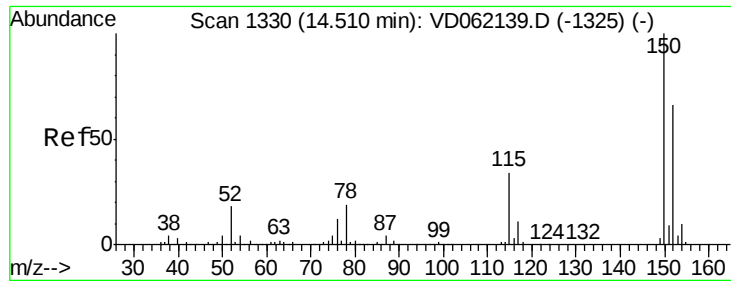
Tot Ion: 95 Resp: 8163
Ion Ratio Lower Upper
95 100
174 98.9 0.0 181.8
176 84.2 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062396.D
Acq: 15 May 2019 18:58

Tgt Ion: 117 Resp: 18347
Ion Ratio Lower Upper
117 100
82 54.4 36.2 54.2#
119 35.8 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD062396.D

Acq: 15 May 2019 18:58

Instrument :

MSVOA_D

ClientSampled :

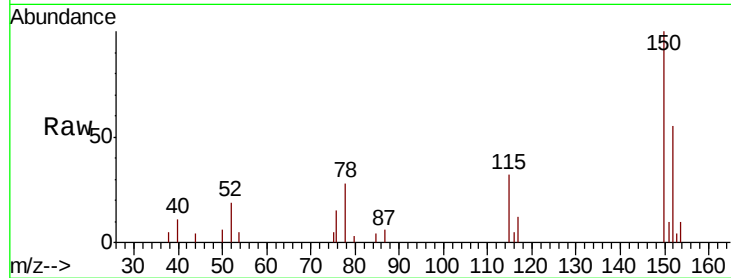
Tot Ion:152 Resp: 7246

Ion Ratio Lower Upper

152 100

115 57.7 30.9 92.7

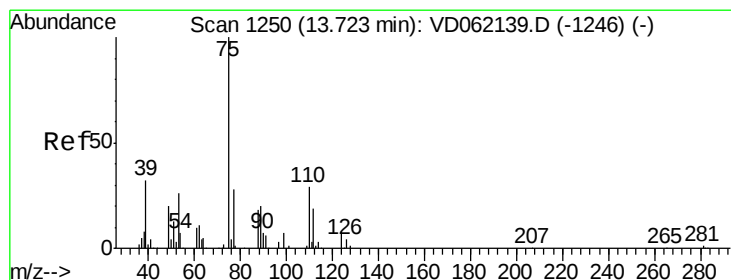
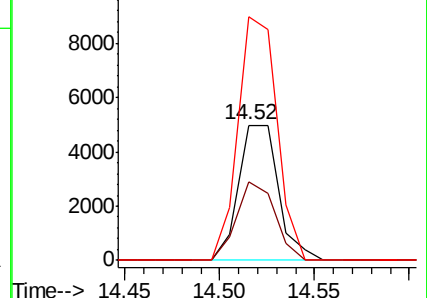
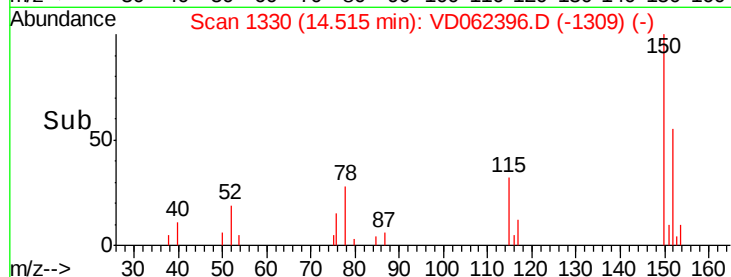
150 180.2 0.0 314.8



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: 37.311 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062396.D

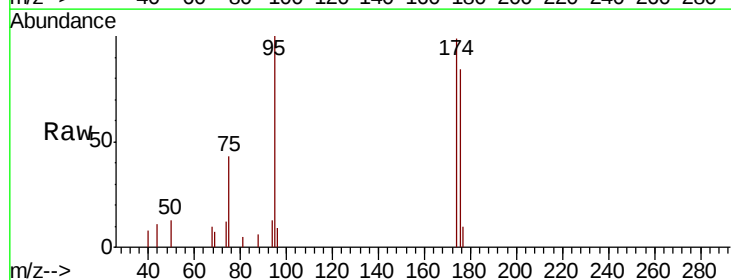
Acq: 15 May 2019 18:58

Tgt Ion: 75 Resp: 3213

Ion Ratio Lower Upper

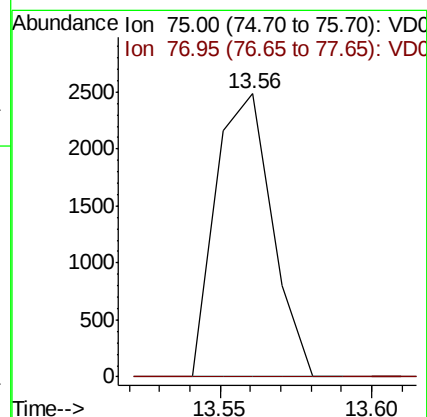
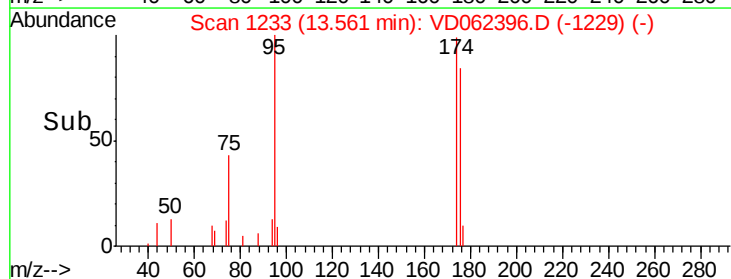
75 100

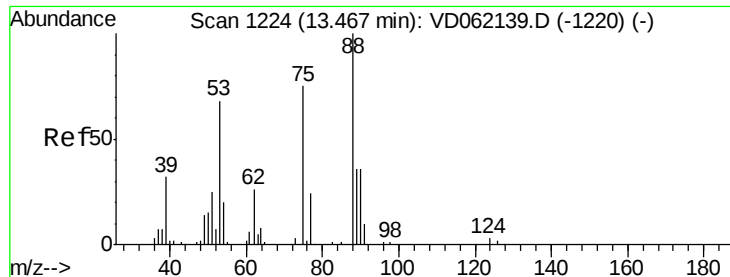
77 0.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 132.167 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062396.D

Acq: 15 May 2019 18:58

Instrument :

MSVOA_D

ClientSampleId :

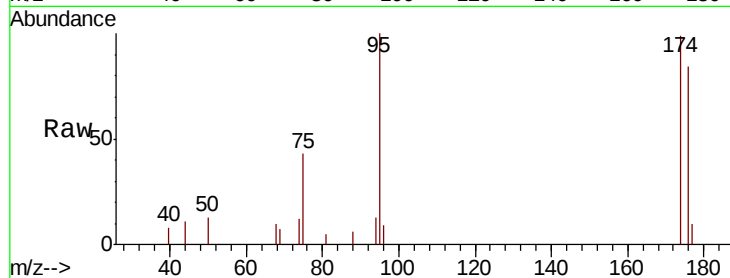
Tot Ion: 75 Resp: 3213

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

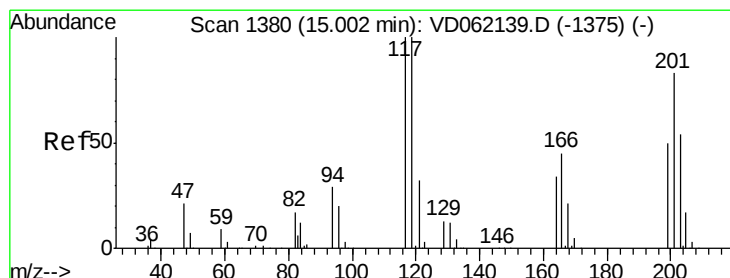
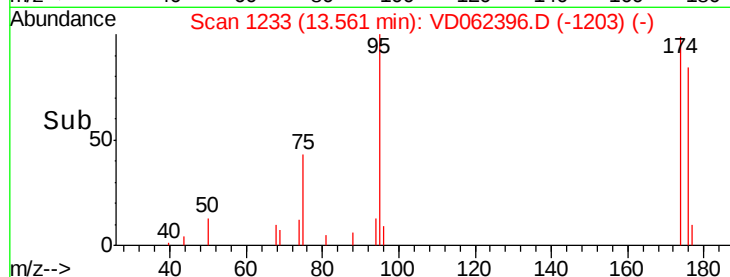
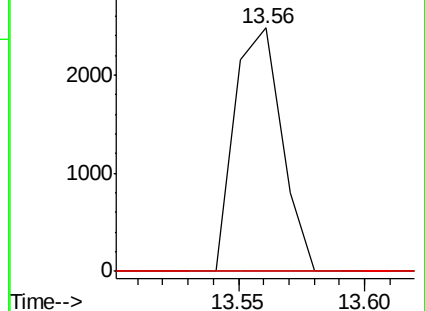
89 0.0 35.0 52.6#



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



#90

Hexachloroethane

Concen: 6.437 ug/l

RT: 15.15 min Scan# 1394

Delta R.T. 0.14 min

Lab File: VD062396.D

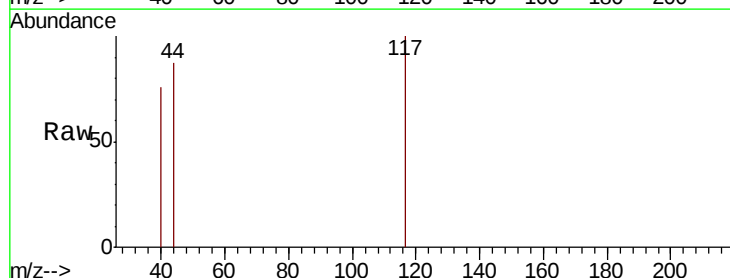
Acq: 15 May 2019 18:58

Tgt Ion: 117 Resp: 705

Ion Ratio Lower Upper

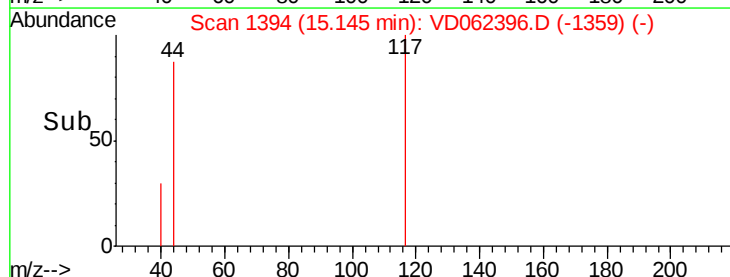
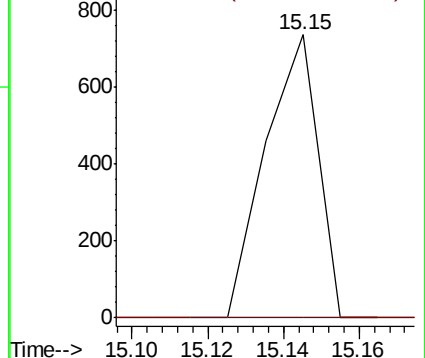
117 100

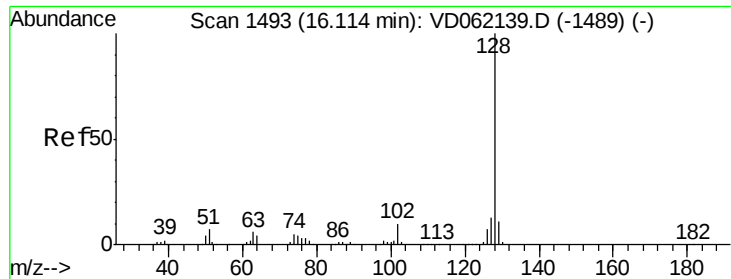
201 0.0 30.2 90.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#95
 Naphthalene
 Concen: 6.224 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: VD062396.D
 Acq: 15 May 2019 18:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.8	14.8#
129	0.0	8.8	13.2#

