

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062326.D
 Acq On : 14 May 2019 2:30
 Operator : FY/SY
 Sample : K2735-04
 Misc : 6.55g/5mL/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01

Quant Time: May 14 05:14:50 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	558706	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	848507	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	609354	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	241460	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	279125	53.76	ug/l	0.05
Spiked Amount			Recovery	=	107.52%	
35) Dibromofluoromethane	6.94	113	330258	46.91	ug/l	0.05
Spiked Amount			Recovery	=	93.82%	
50) Toluene-d8	10.43	98	613152	36.12	ug/l	0.03
Spiked Amount			Recovery	=	72.24%	
62) 4-Bromofluorobenzene	13.57	95	219364	32.18	ug/l	0.02
Spiked Amount			Recovery	=	64.36%	

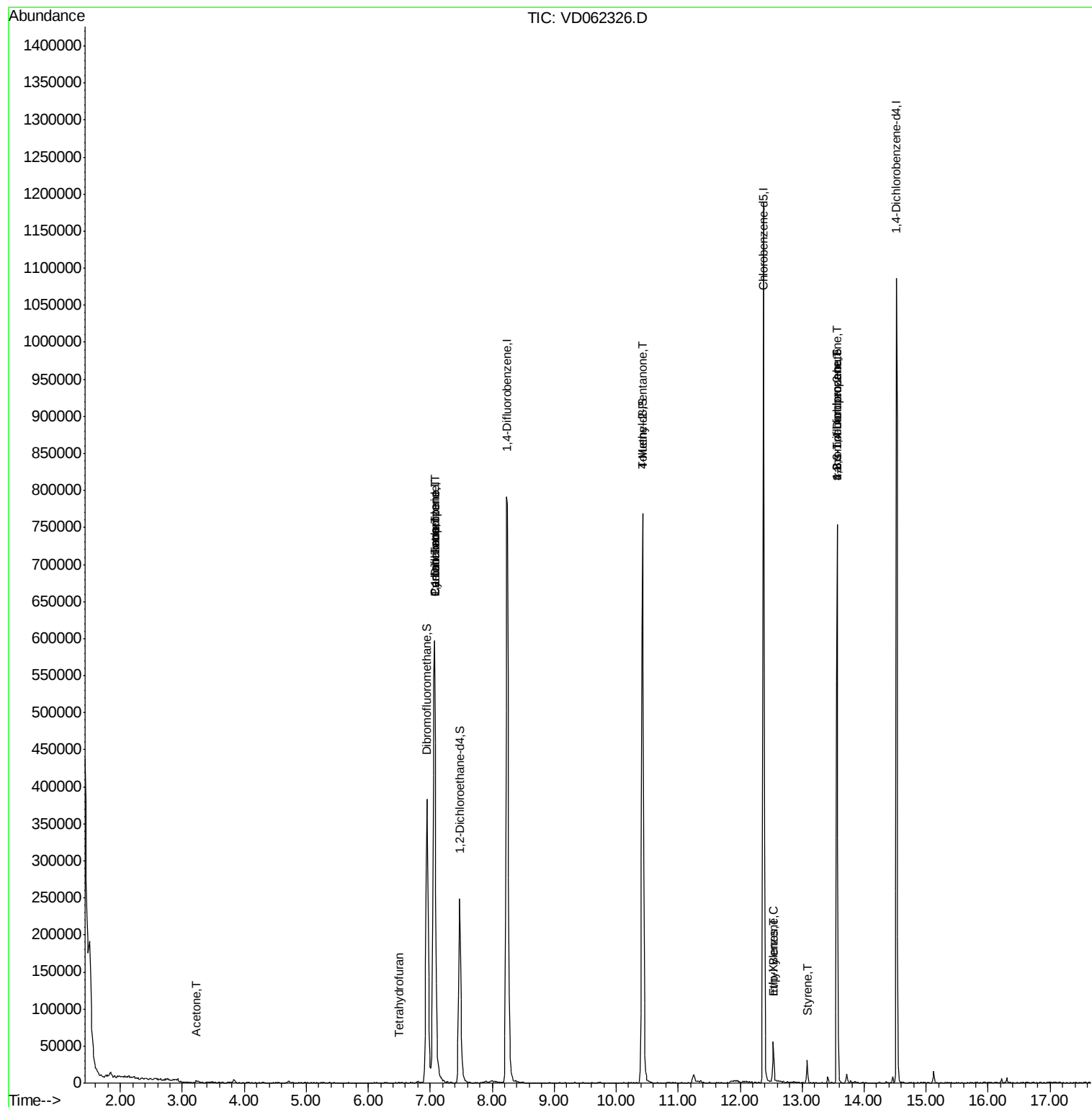
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	4728	4.342	ug/l #	50
29) Tetrahydrofuran	6.48	42	616	1.126	ug/l #	56
31) Cyclohexane	7.06	56	12021	2.207	ug/l #	2
36) 1,1-Dichloropropene	7.06	75	47662	6.851	ug/l #	47
38) Carbon Tetrachloride	7.07	117	60121	6.244	ug/l #	15
51) 4-Methyl-2-Pentanone	10.43	43	3236	1.203	ug/l #	1
67) Ethyl Benzene	12.53	91	34638	1.823	ug/l	95
68) m/p-Xylenes	12.53	106	10744	1.554	ug/l #	42
70) Styrene	13.08	104	12546	1.152	ug/l	96
76) 1,2,3-Trichloropropane	13.57	75	88167	30.725	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.57	75	95459	117.837	ug/l #	16

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051319\
Data File : VD062326.D
Acq On : 14 May 2019 2:30
Operator : FY/SY
Sample : K2735-04
Misc : 6.55g/5mL/MSVOA D/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01

Quant Time: May 14 05:14:50 2019
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

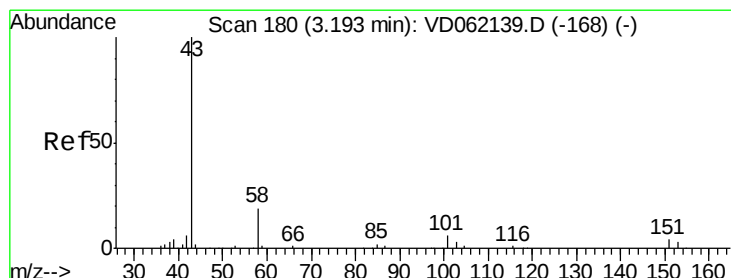
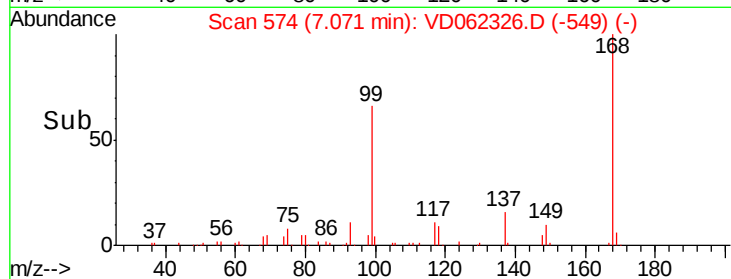
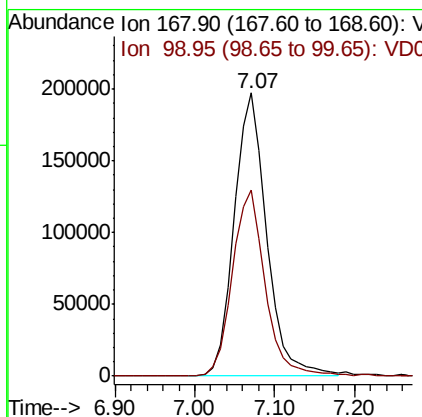
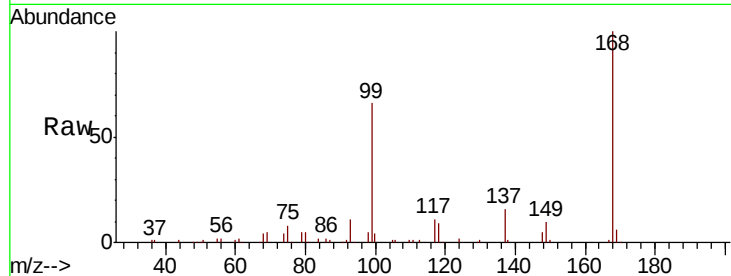




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.07 min Scan# 574
Delta R.T. 0.05 min
Lab File: VD062326.D
Acq: 14 May 2019 2:30

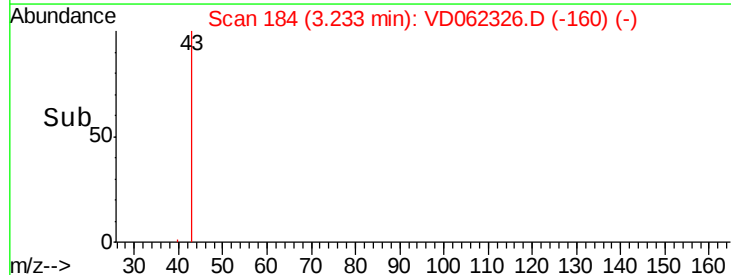
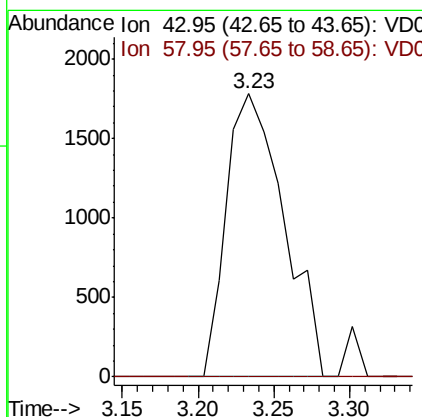
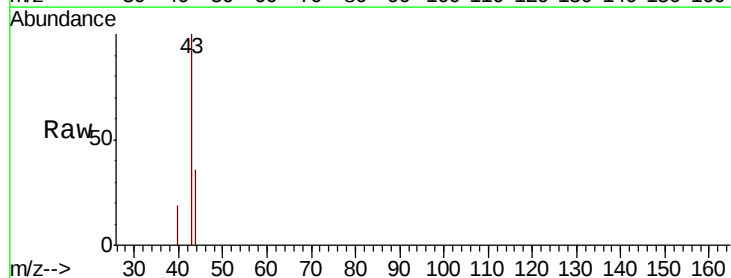
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01

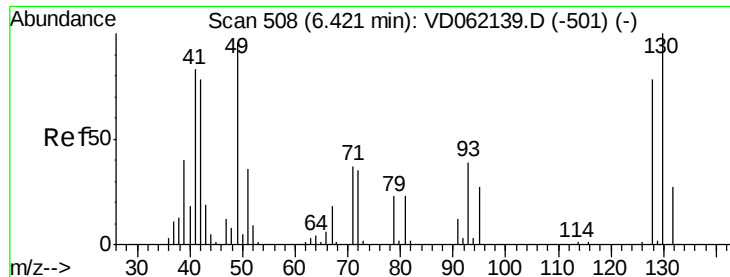
Tot Ion:168 Resp: 558706
Ion Ratio Lower Upper
168 100
99 65.6 46.5 69.7



#16
Acetone
Concen: 4.342 ug/l
RT: 3.23 min Scan# 184
Delta R.T. 0.04 min
Lab File: VD062326.D
Acq: 14 May 2019 2:30

Tgt Ion: 43 Resp: 4728
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#

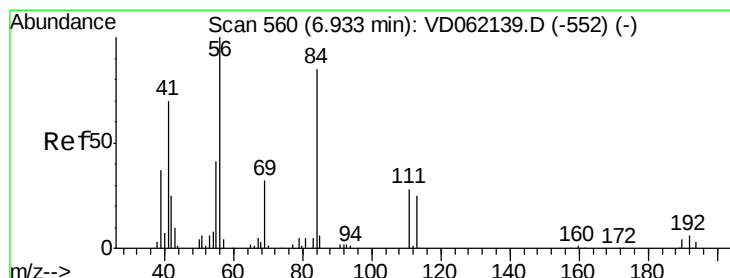
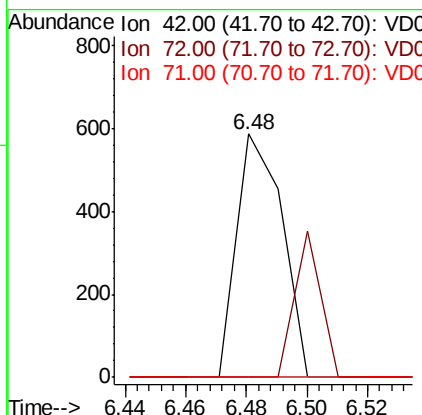
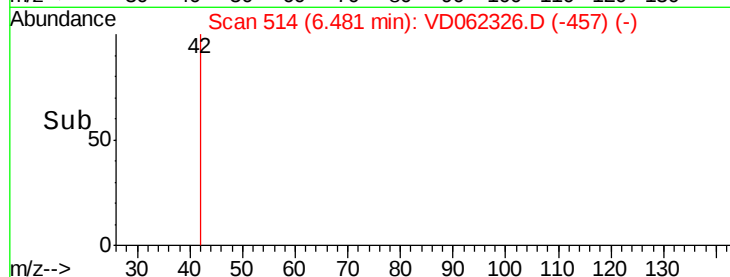
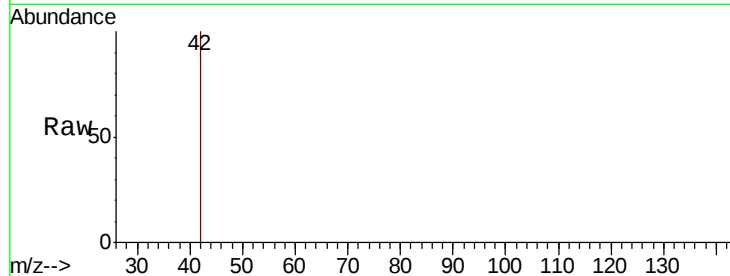




#29
Tetrahydrofuran
Concen: 1.126 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.06 min
Lab File: VD062326.D
Acq: 14 May 2019 2:30

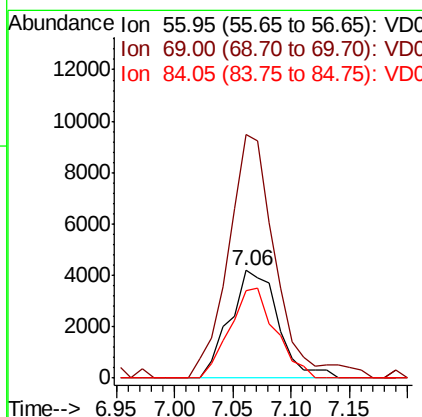
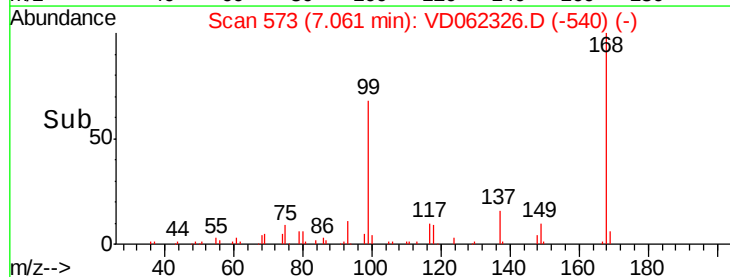
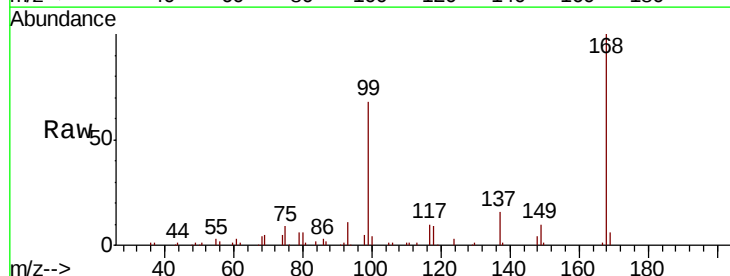
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01

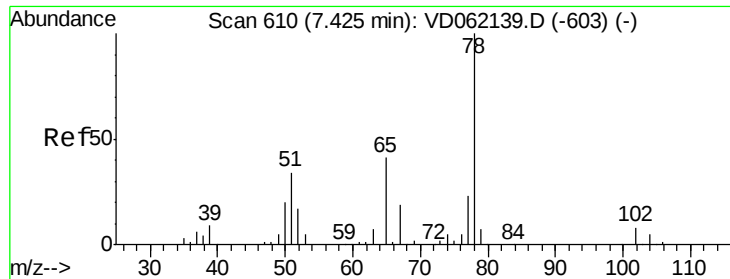
Tot Ion: 42 Resp: 616
Ion Ratio Lower Upper
42 100
72 33.9 37.8 56.6#
71 0.0 36.7 55.1#



#31
Cyclohexane
Concen: 2.207 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.13 min
Lab File: VD062326.D
Acq: 14 May 2019 2:30

Tgt Ion: 56 Resp: 12021
Ion Ratio Lower Upper
56 100
69 225.6 25.8 38.6#
84 81.3 72.2 108.4





#33

1,2-Dichloroethane-d4

Concen: 53.759 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062326.D

Acq: 14 May 2019 2:30

Instrument :

MSVOA_D

ClientSampleId :

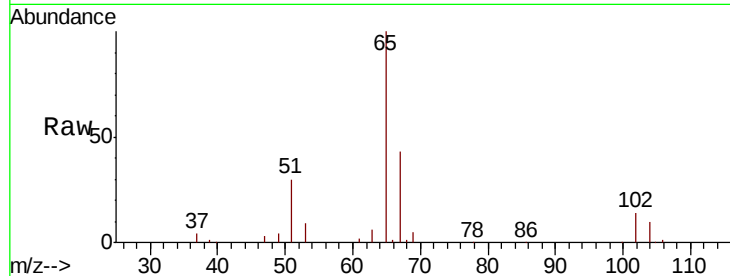
P026-SS015-1824-01

Tot Ion: 65 Resp: 279125

Ion Ratio Lower Upper

65 100

67 43.5 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

120000

100000

80000

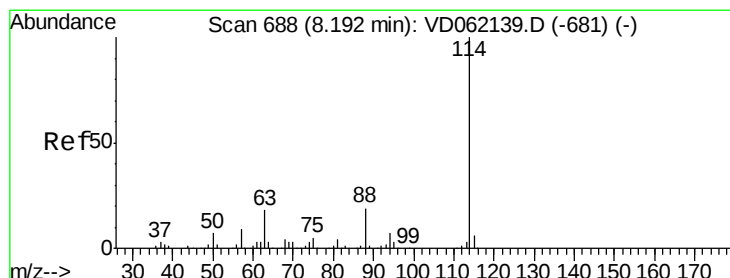
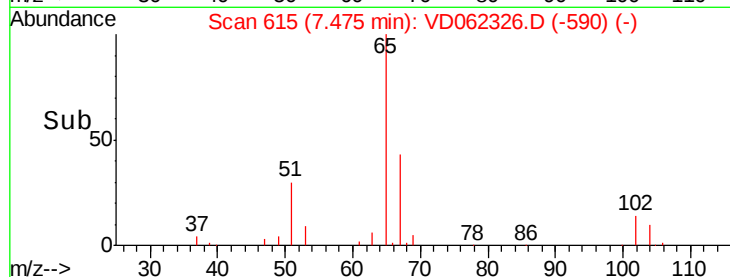
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.05 min

Lab File: VD062326.D

Acq: 14 May 2019 2:30

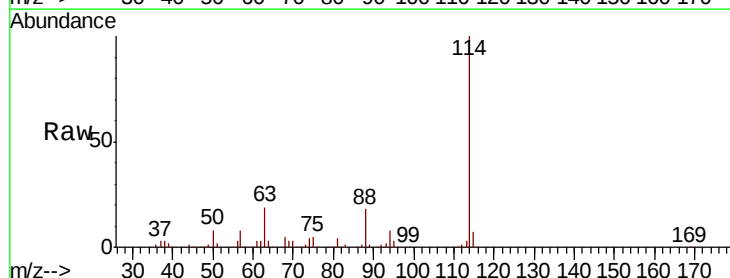
Tgt Ion: 114 Resp: 848507

Ion Ratio Lower Upper

114 100

63 19.2 0.0 32.4

88 18.3 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

8.24

400000

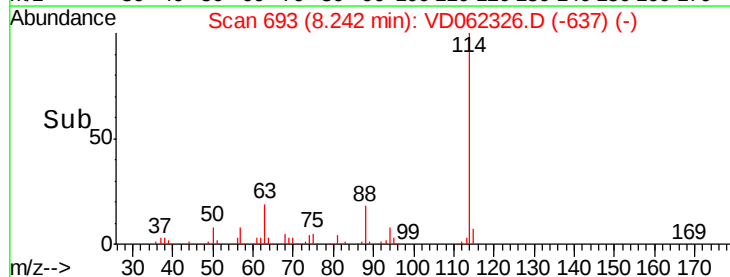
300000

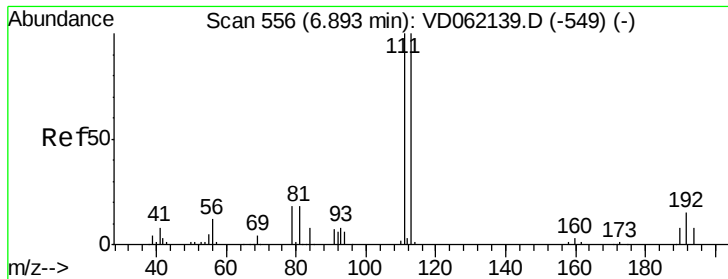
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 46.911 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062326.D

Acq: 14 May 2019 2:30

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01

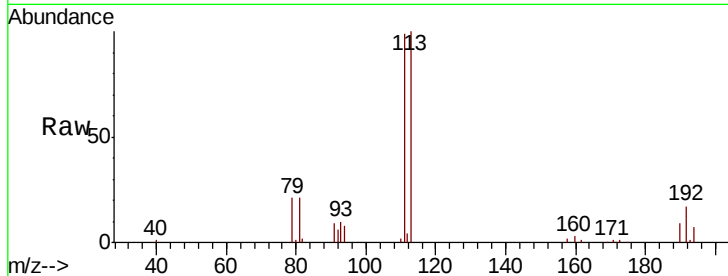
Tot Ion:113 Resp: 330258

Ion Ratio Lower Upper

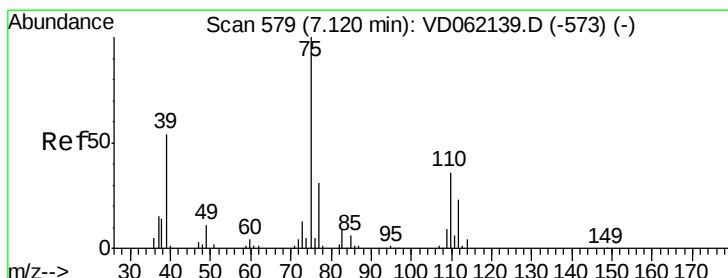
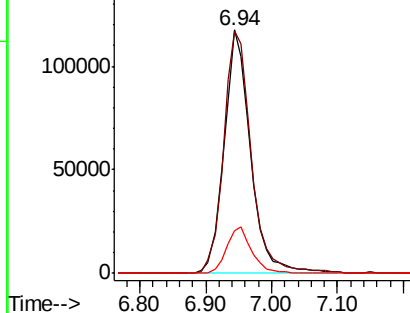
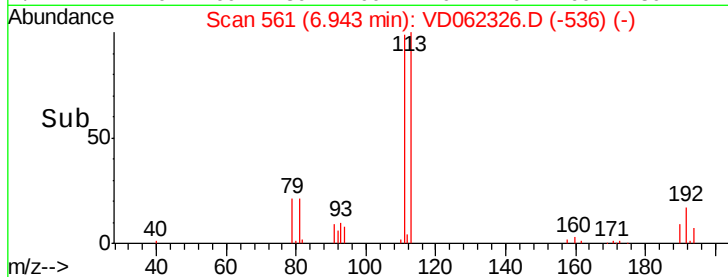
113 100

111 99.3 78.5 117.7

192 17.3 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: 6.851 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.06 min

Lab File: VD062326.D

Acq: 14 May 2019 2:30

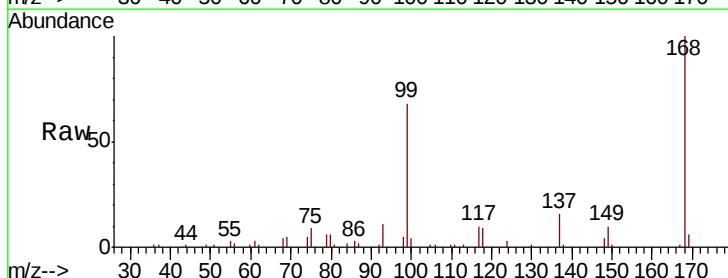
Tgt Ion: 75 Resp: 47662

Ion Ratio Lower Upper

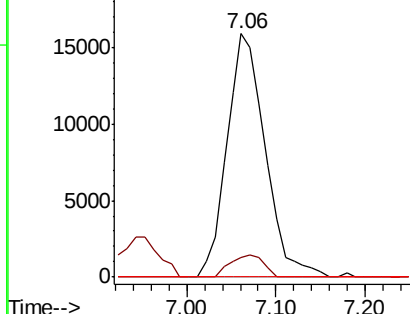
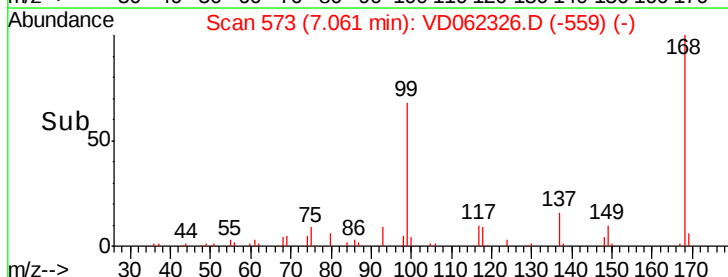
75 100

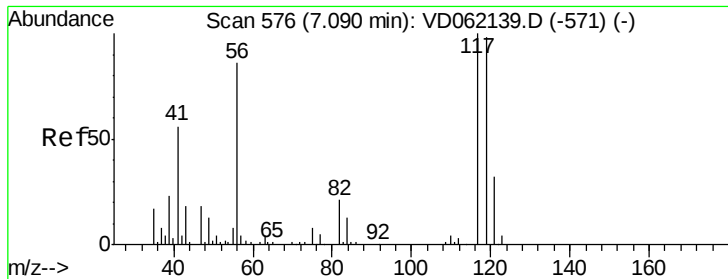
110 8.0 19.1 57.1#

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: 6.244 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.02 min

Lab File: VD062326.D

Acq: 14 May 2019 2:30

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01

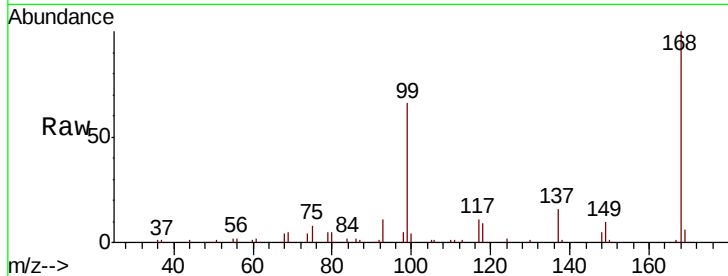
Tot Ion:117 Resp: 60121

Ion Ratio Lower Upper

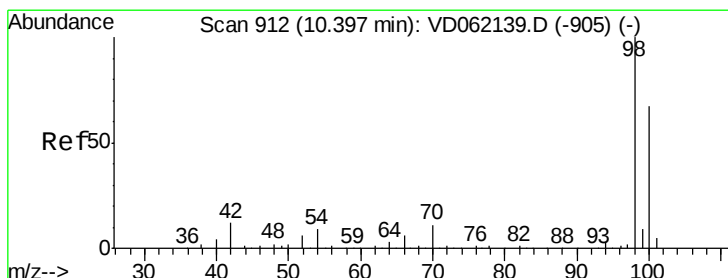
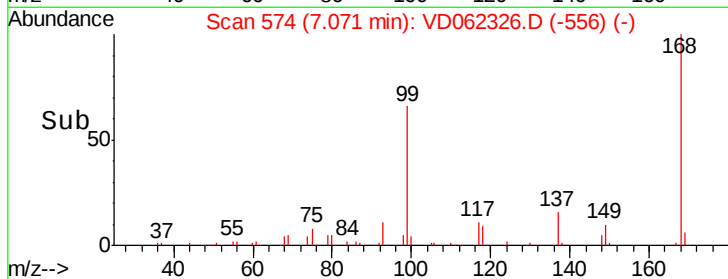
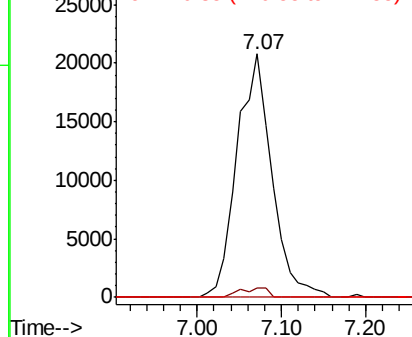
117 100

119 3.6 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: 36.122 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD062326.D

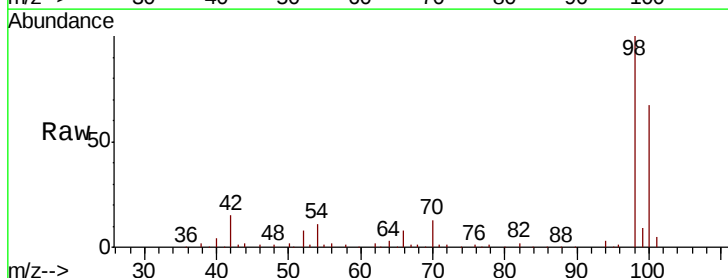
Acq: 14 May 2019 2:30

Tgt Ion: 98 Resp: 613152

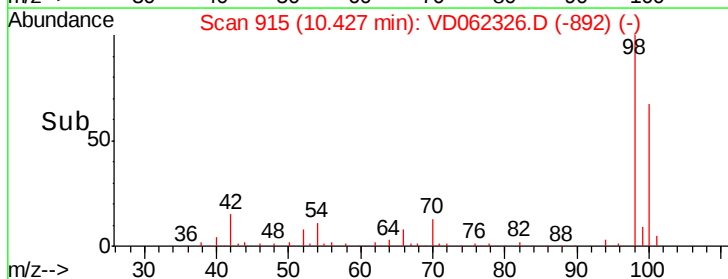
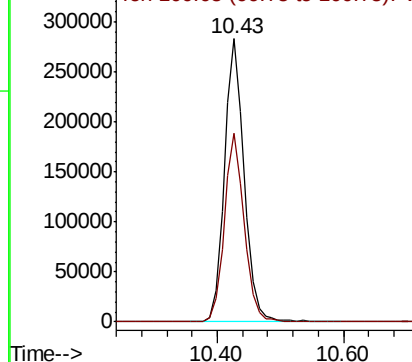
Ion Ratio Lower Upper

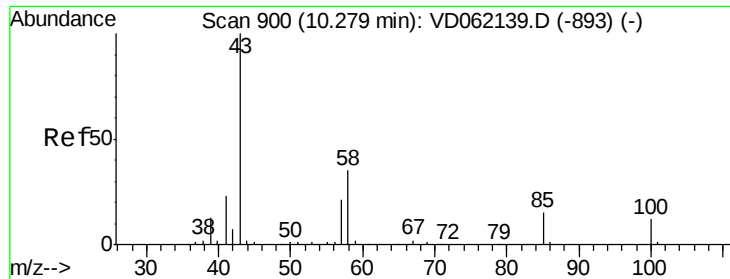
98 100

100 66.7 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.203 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.15 min

Lab File: VD062326.D

Acq: 14 May 2019 2:30

Instrument :

MSVOA_D

ClientSampleId :

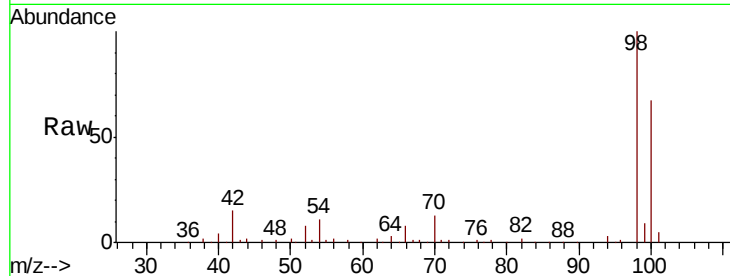
P026-SS015-1824-01

Tot Ion: 43 Resp: 3236

Ion Ratio Lower Upper

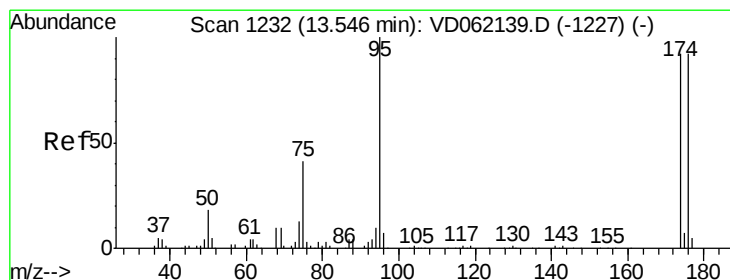
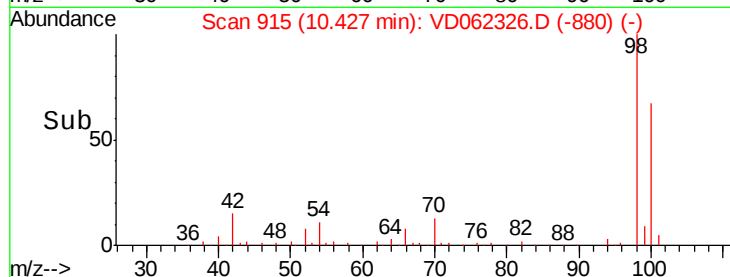
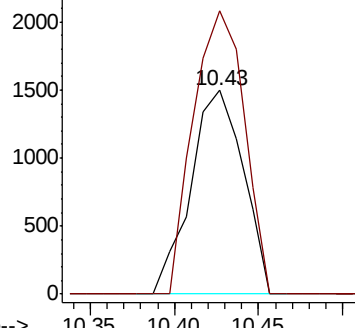
43 100

58 138.9 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 32.182 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062326.D

Acq: 14 May 2019 2:30

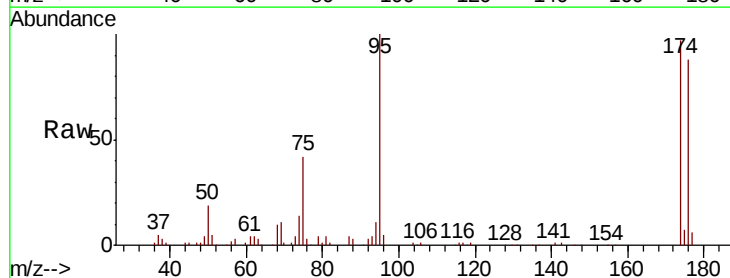
Tgt Ion: 95 Resp: 219364

Ion Ratio Lower Upper

95 100

174 96.6 0.0 181.8

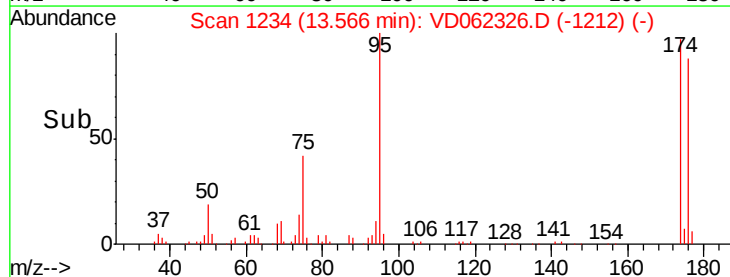
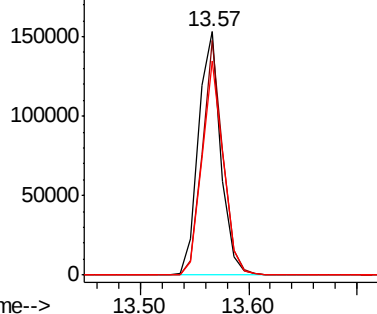
176 88.2 0.0 174.4

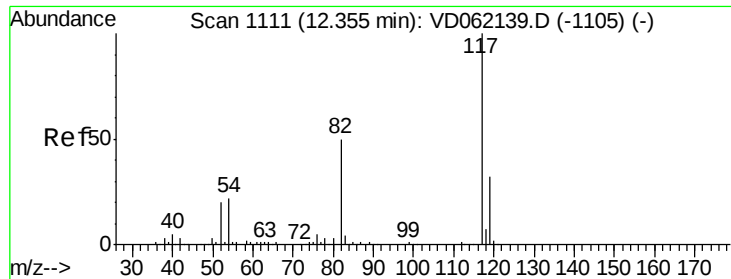


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

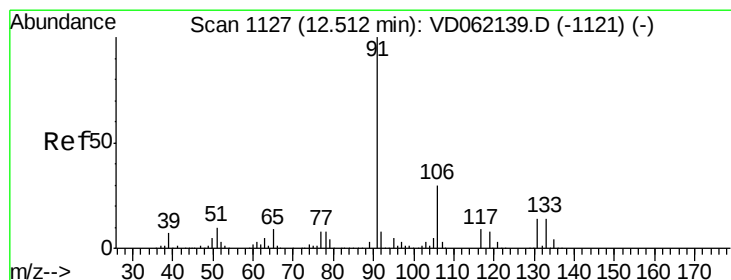
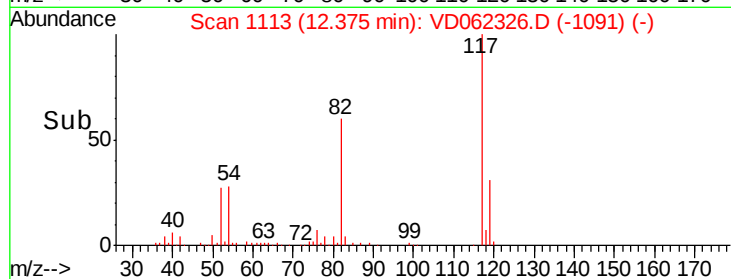
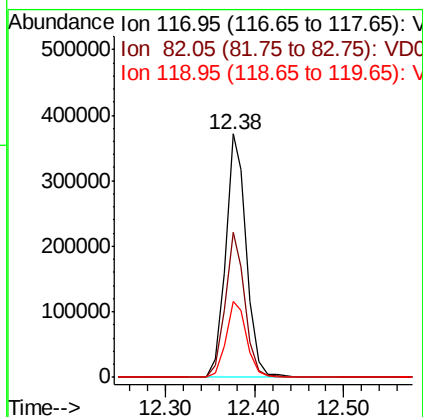
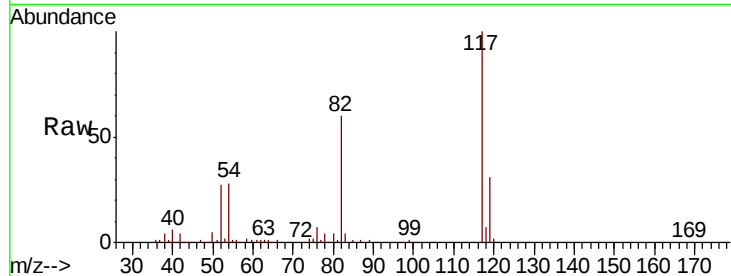




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062326.D
Acq: 14 May 2019 2:30

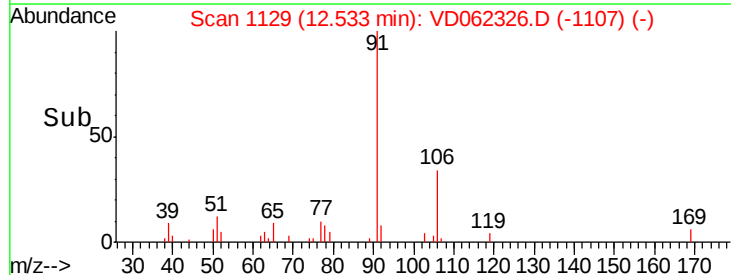
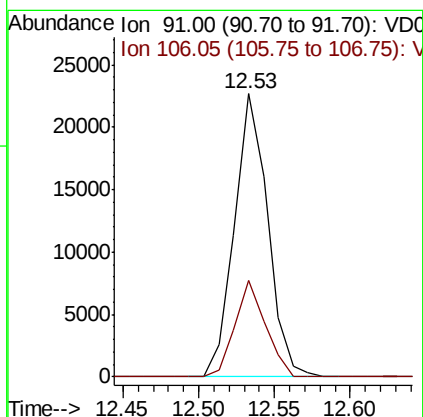
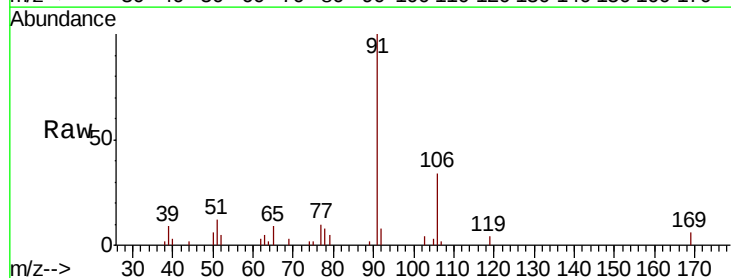
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01

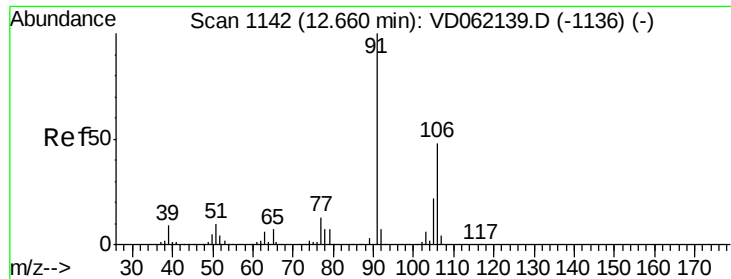
Tot Ion:117 Resp: 609354
Ion Ratio Lower Upper
117 100
82 59.7 36.2 54.2#
119 31.4 26.2 39.4



#67
Ethyl Benzene
Concen: 1.823 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062326.D
Acq: 14 May 2019 2:30

Tgt Ion: 91 Resp: 34638
Ion Ratio Lower Upper
91 100
106 33.9 24.7 37.1





#68

m/p-Xvlenes

Concen: 1.554 ug/l

RT: 12.53 min Scan# 1129

Delta R.T. -0.13 min

Lab File: VD062326.D

Acq: 14 May 2019 2:30

Instrument :

MSVOA_D

ClientSampleId :

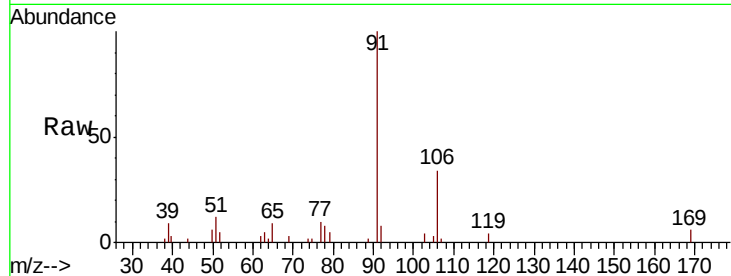
P026-SS015-1824-01

Tot Ion:106 Resp: 10744

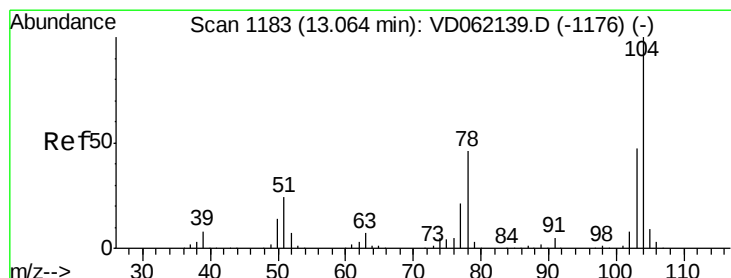
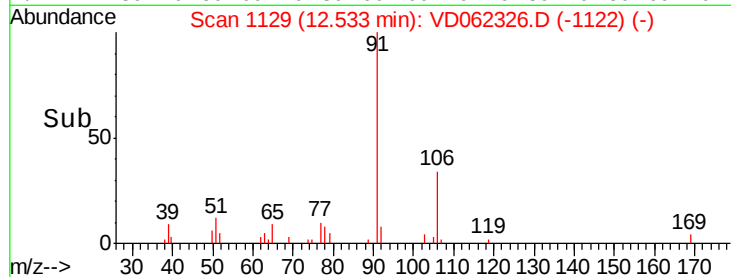
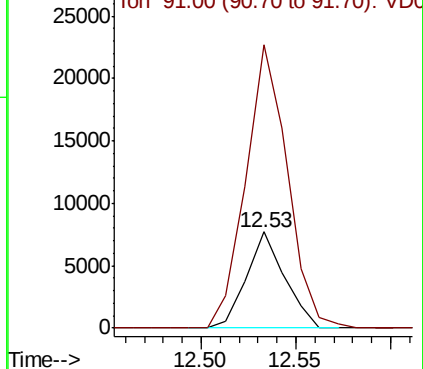
Ion Ratio Lower Upper

106 100

91 294.8 164.0 246.0#



Abundance Ion 106.05 (105.75 to 106.75): V



#70

Styrene

Concen: 1.152 ug/l

RT: 13.08 min Scan# 1185

Delta R.T. 0.02 min

Lab File: VD062326.D

Acq: 14 May 2019 2:30

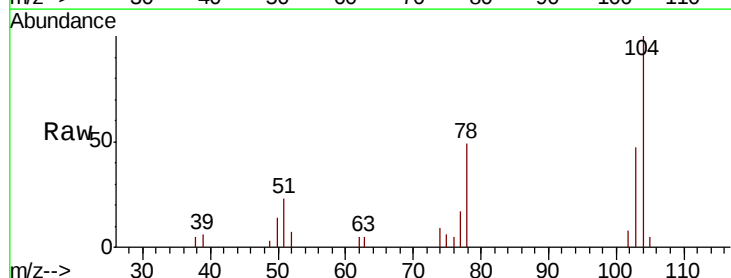
Tgt Ion:104 Resp: 12546

Ion Ratio Lower Upper

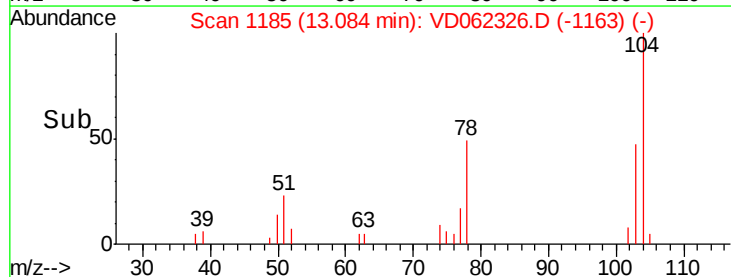
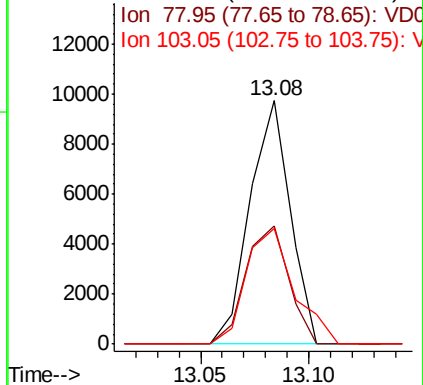
104 100

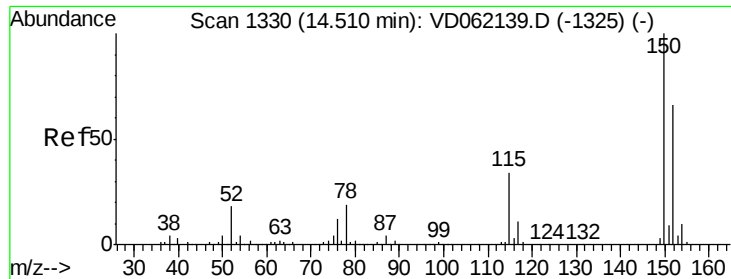
78 48.6 35.4 53.2

103 47.5 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): 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: VD062326.D

Acq: 14 May 2019 2:30

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01

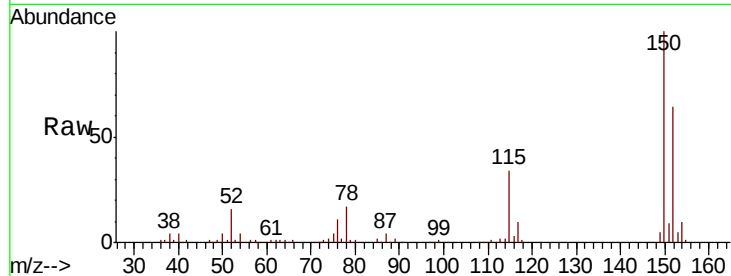
Tot Ion:152 Resp: 241460

Ion Ratio Lower Upper

152 100

115 53.2 30.9 92.7

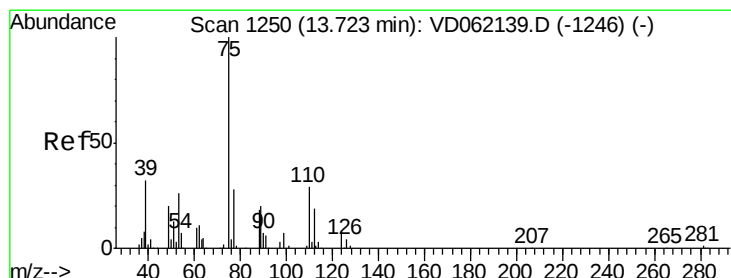
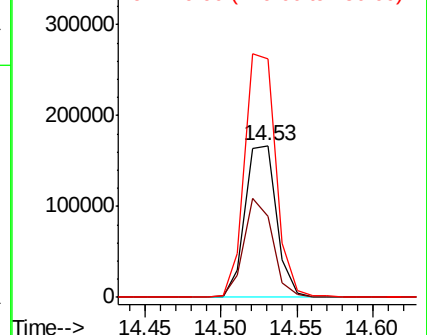
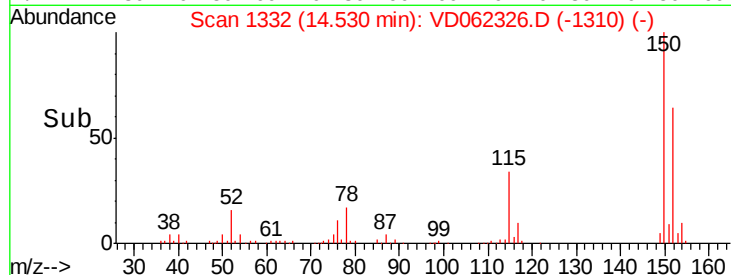
150 157.2 0.0 314.8



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: 30.725 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062326.D

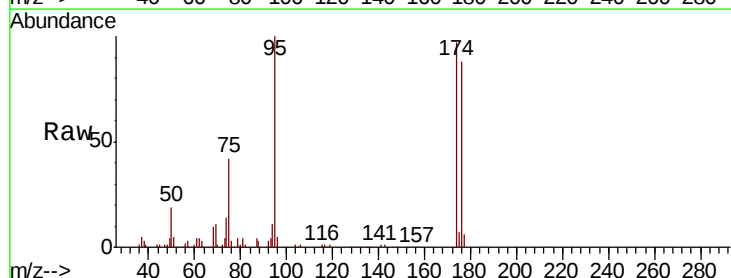
Acq: 14 May 2019 2:30

Tgt Ion: 75 Resp: 88167

Ion Ratio Lower Upper

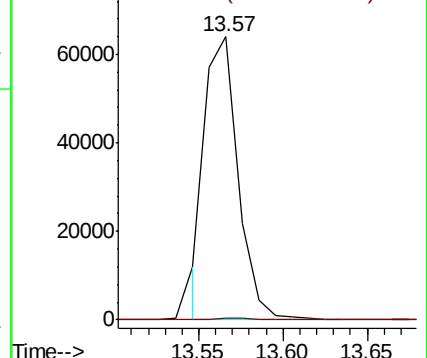
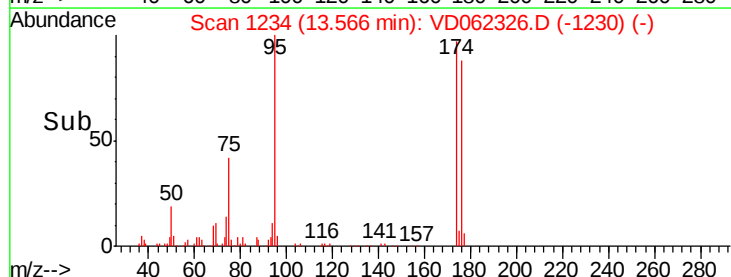
75 100

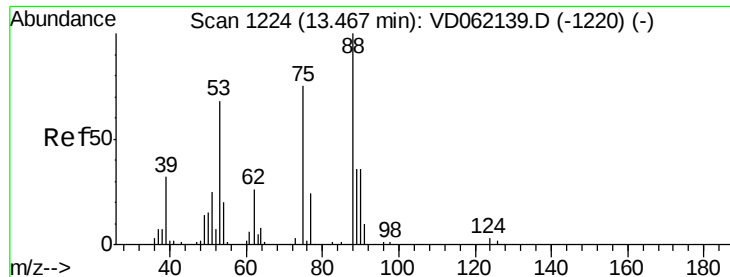
77 0.8 16.4 49.4#



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: 117.837 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062326.D

Acq: 14 May 2019 2:30

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01

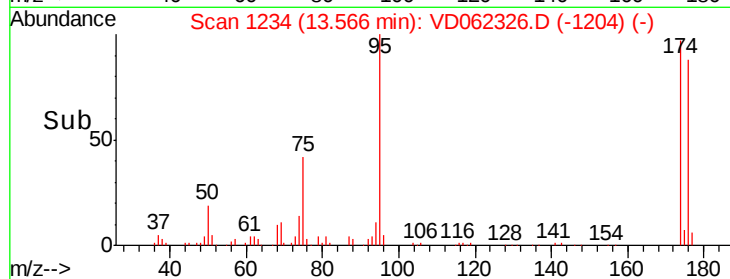
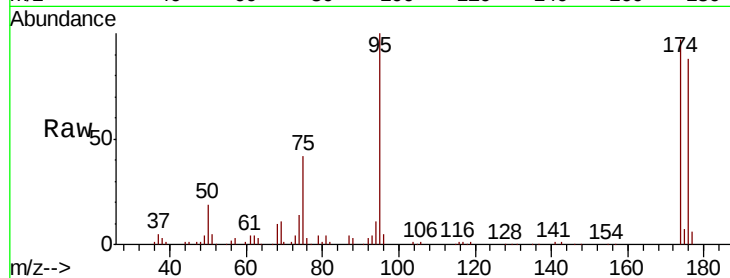
Tot Ion: 75 Resp: 95459

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

