

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051119\
 Data File : VD062250.D
 Acq On : 11 May 2019 21:07
 Operator : FY/SY
 Sample : K2719-07
 Misc : 5.92g/5mL/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS008-1824-01

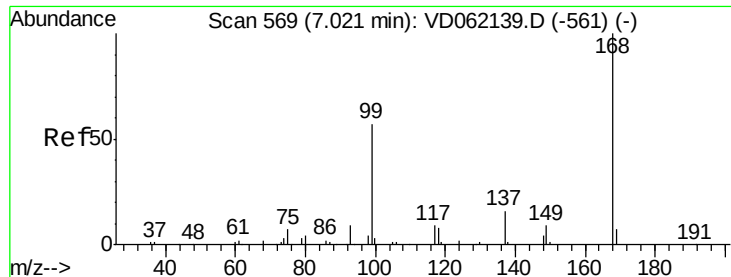
Quant Time: May 11 22:24:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	72301	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	145133	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	137726	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	76266	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	93134	138.61	ug/l	0.03
Spiked Amount			Recovery	=	277.22%	
35) Dibromofluoromethane	6.93	113	75588	62.77	ug/l	0.03
Spiked Amount			Recovery	=	125.54%	
50) Toluene-d8	10.41	98	119665	41.22	ug/l	0.01
Spiked Amount			Recovery	=	82.44%	
62) 4-Bromofluorobenzene	13.56	95	66196	56.78	ug/l	0.01
Spiked Amount			Recovery	=	113.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	1191	10.351	ug/l #	12
6) Chloroethane	2.34	64	226	1.097	ug/l #	43
16) Acetone	3.24	43	4600	32.646	ug/l #	50
18) Methyl Acetate	3.50	43	423	1.383	ug/l #	53
20) Methylene Chloride	3.84	84	2503	4.254	ug/l #	56
31) Cyclohexane	7.04	56	883	1.253	ug/l #	8
36) 1,1-Dichloropropene	7.03	75	5144	4.323	ug/l #	60
38) Carbon Tetrachloride	7.04	117	7063	4.288	ug/l #	12
76) 1,2,3-Trichloropropane	13.55	75	25773	28.436	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.55	75	28743	112.334	ug/l #	16

(#) = 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: VD062250.D

Acq: 11 May 2019 21:07

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MSVOA_D

ClientSampleId :

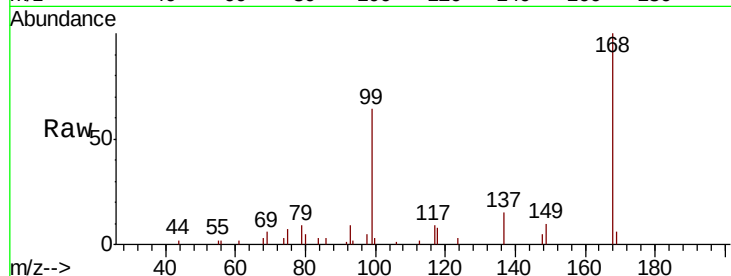
P026-SS008-1824-01

Tot Ion:168 Resp: 72301

Ion Ratio Lower Upper

168 100

99 64.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

Time-->

6.90 7.00 7.10 7.20

30000

25000

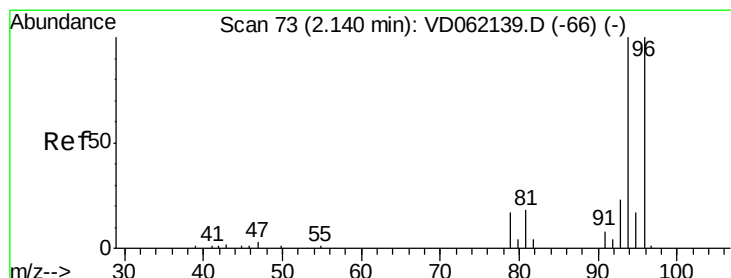
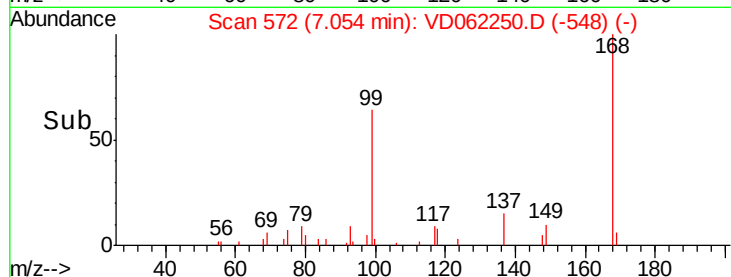
20000

15000

10000

5000

0



#5

Bromomethane

Concen: 10.351 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.04 min

Lab File: VD062250.D

Acq: 11 May 2019 21:07

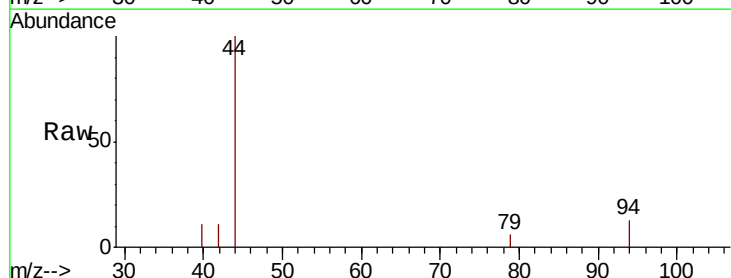
Tgt Ion: 94 Resp: 1191

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

800

600

400

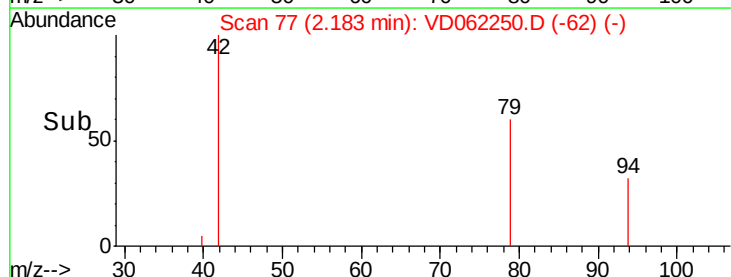
200

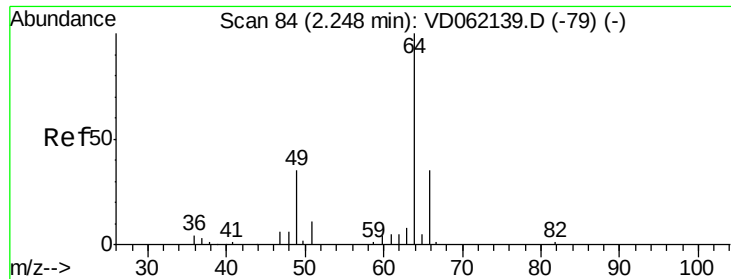
0

Time-->

2.14 2.16 2.18 2.20 2.22

2.18





#6

Chloroethane

Concen: 1.097 ug/l

RT: 2.34 min Scan# 93

Delta R.T. 0.09 min

Lab File: VD062250.D

Acq: 11 May 2019 21:07

Instrument :

MSVOA_D

ClientSampleId :

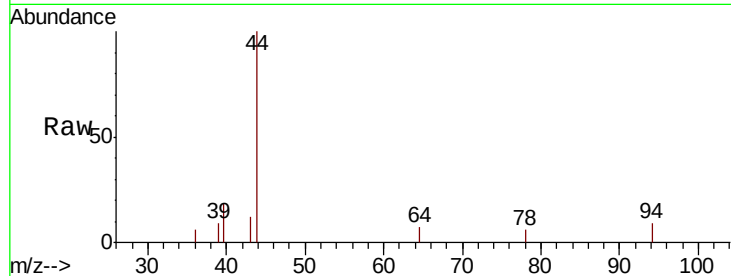
P026-SS008-1824-01

Tot Ion: 64 Resp: 226

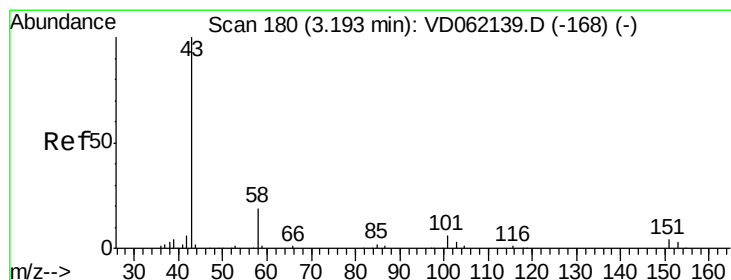
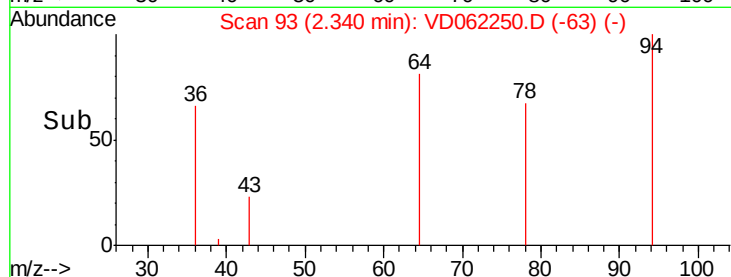
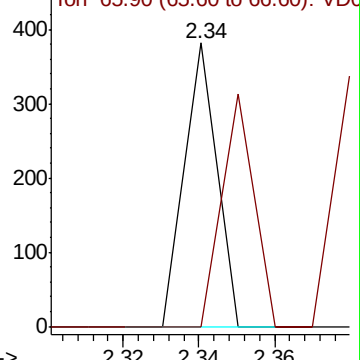
Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC



#16

Acetone

Concen: 32.646 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062250.D

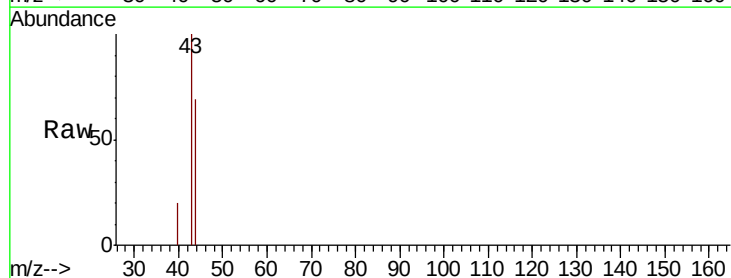
Acq: 11 May 2019 21:07

Tgt Ion: 43 Resp: 4600

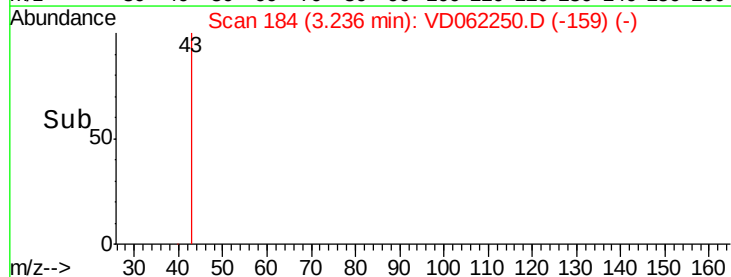
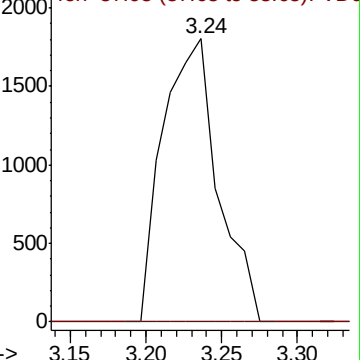
Ion Ratio Lower Upper

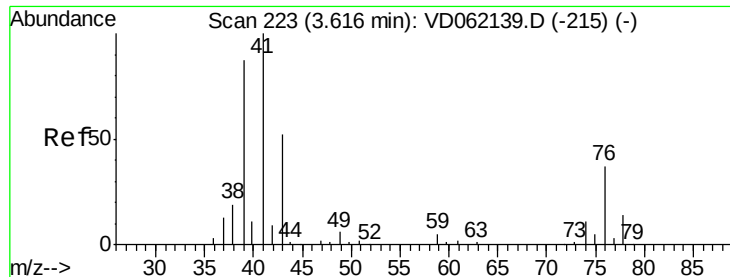
43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

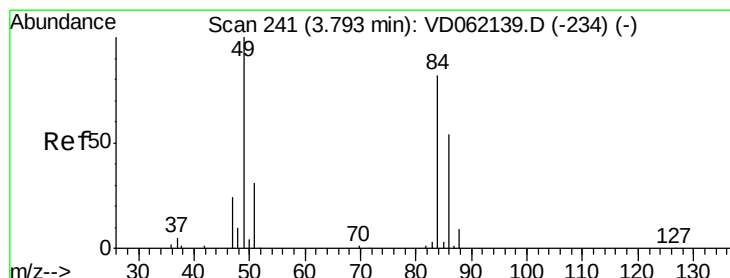
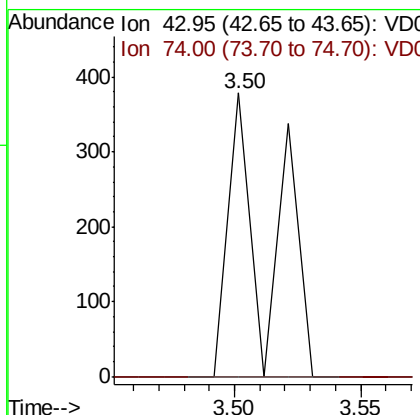
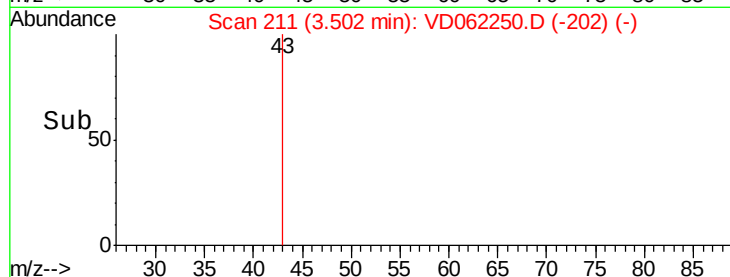
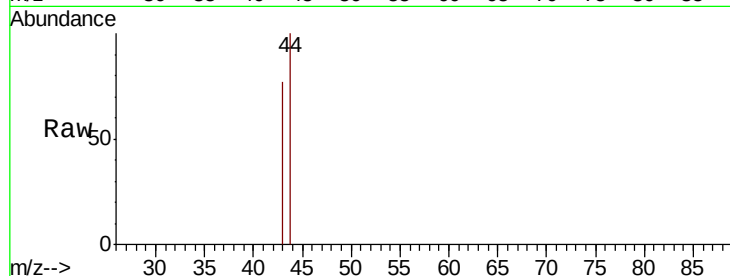




#18
Methyl Acetate
Concen: 1.383 ug/l
RT: 3.50 min Scan# 211
Delta R.T. -0.11 min
Lab File: VD062250.D
Acq: 11 May 2019 21:07

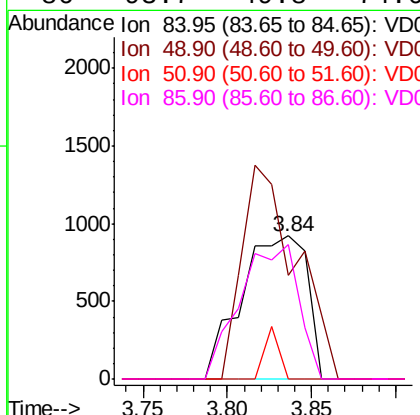
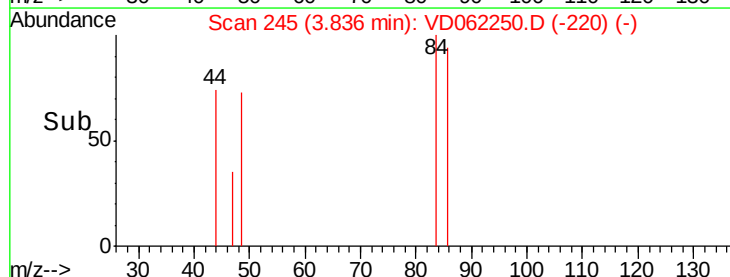
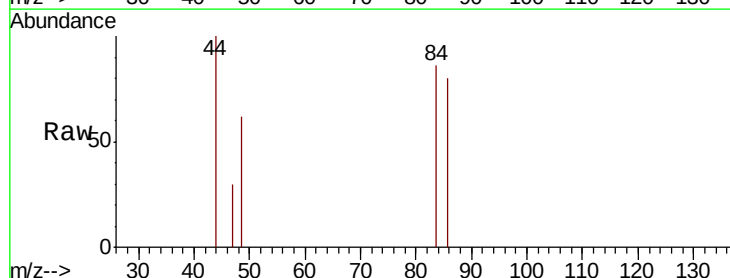
Instrument :
MSVOA_D
ClientSampleId :
P026-SS008-1824-01

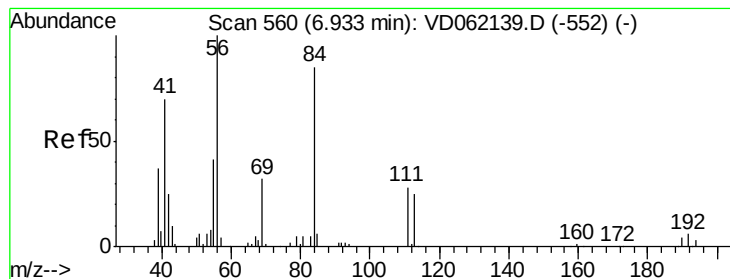
Tot Ion: 43 Resp: 423
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 4.254 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD062250.D
Acq: 11 May 2019 21:07

Tgt Ion: 84 Resp: 2503
Ion Ratio Lower Upper
84 100
49 72.8 94.0 141.0#
51 0.0 29.0 43.4#
86 93.7 49.8 74.6#





#31

Cyclohexane

Concen: 1.253 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD062250.D

Acq: 11 May 2019 21:07

Instrument :

MSVOA_D

ClientSampleId :

P026-SS008-1824-01

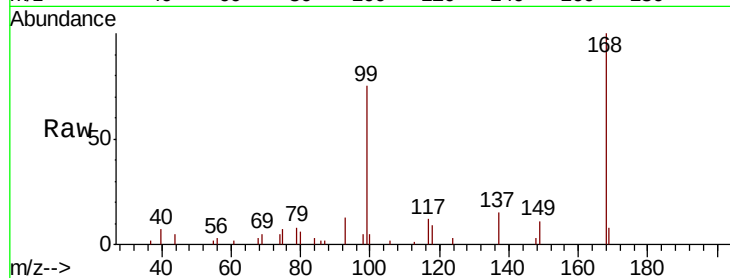
Tot Ion: 56 Resp: 883

Ion Ratio Lower Upper

56 100

69 198.8 25.8 38.6#

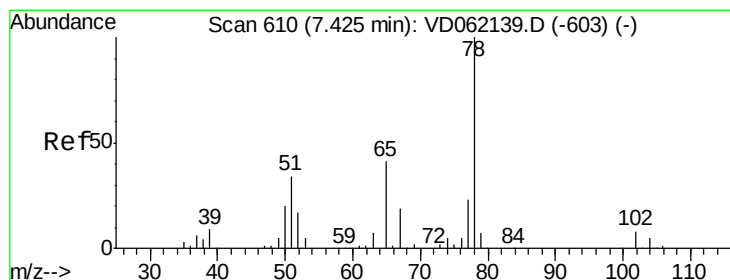
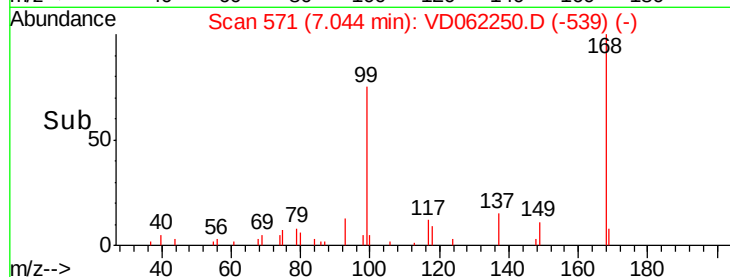
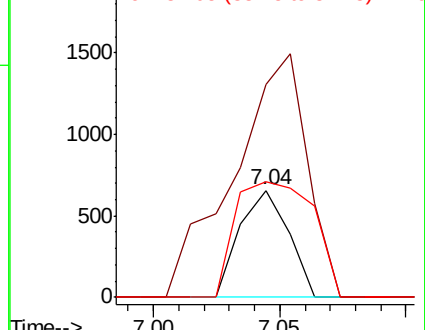
84 107.6 72.2 108.4



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: 138.612 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062250.D

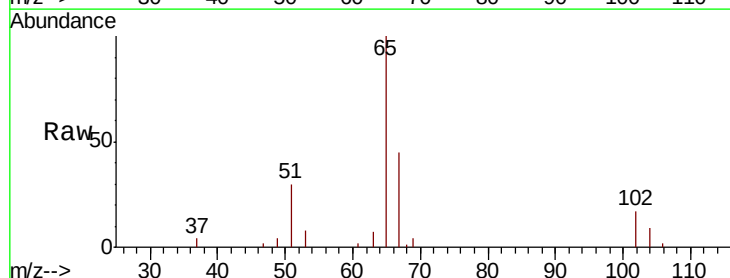
Acq: 11 May 2019 21:07

Tgt Ion: 65 Resp: 93134

Ion Ratio Lower Upper

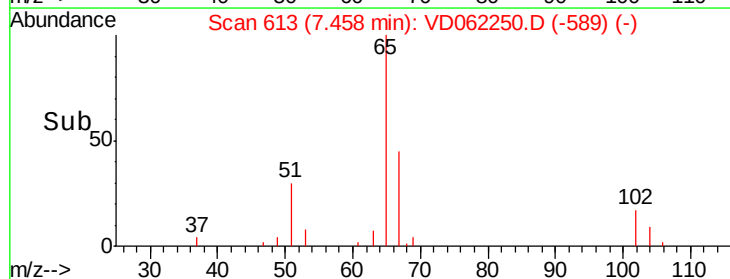
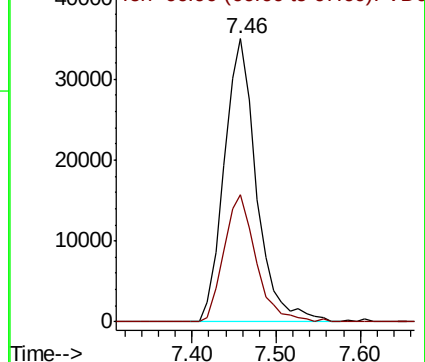
65 100

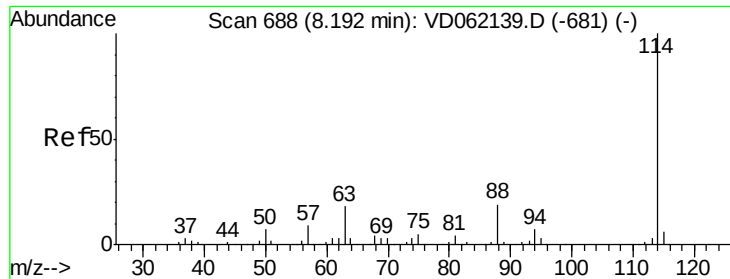
67 44.9 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

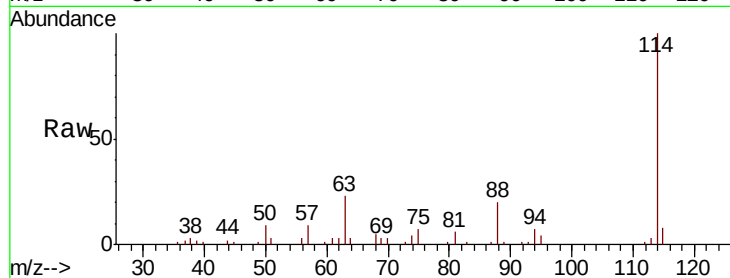




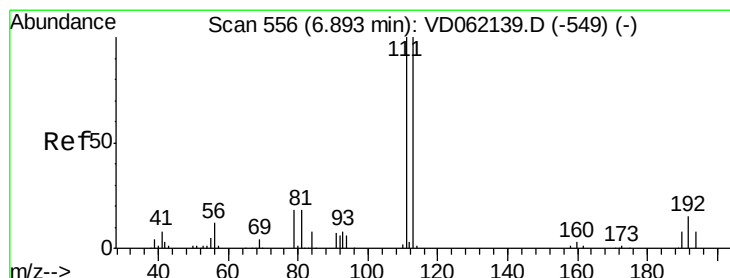
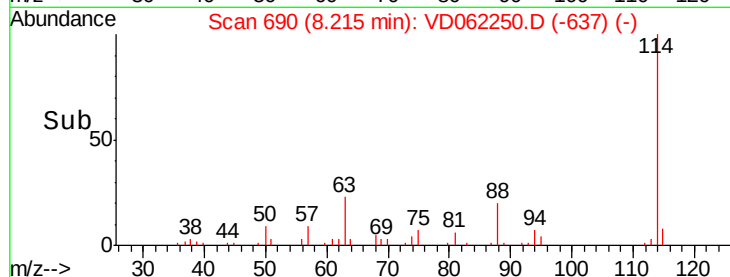
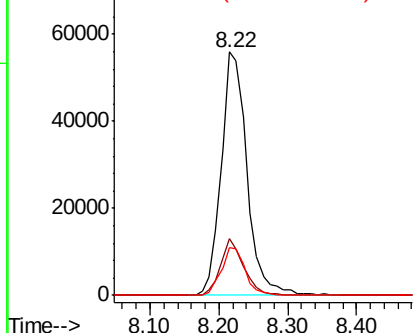
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD062250.D
 Acq: 11 May 2019 21:07

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS008-1824-01

Tot Ion:114 Resp: 145133
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 32.4
 88 19.6 0.0 33.6

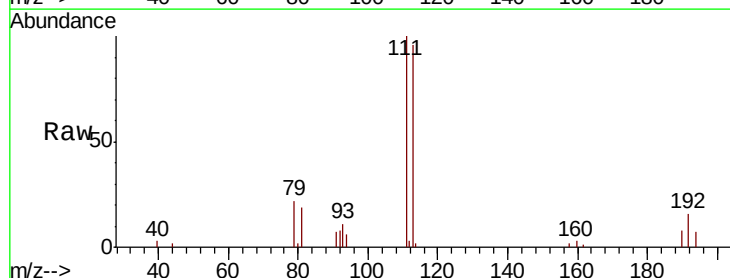


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

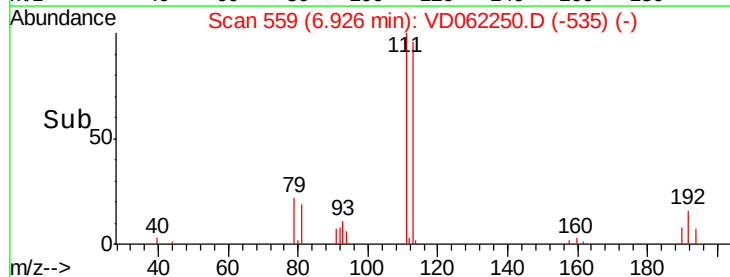
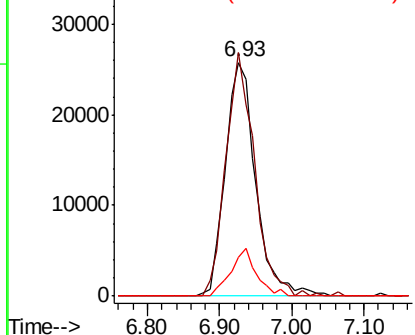


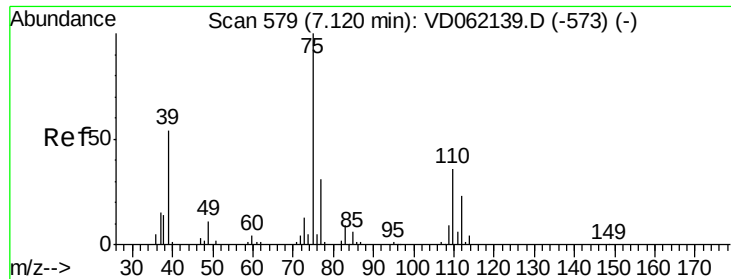
#35
 Dibromofluoromethane
 Concen: 62.771 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD062250.D
 Acq: 11 May 2019 21:07

Tgt Ion:113 Resp: 75588
 Ion Ratio Lower Upper
 113 100
 111 104.1 78.5 117.7
 192 16.5 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

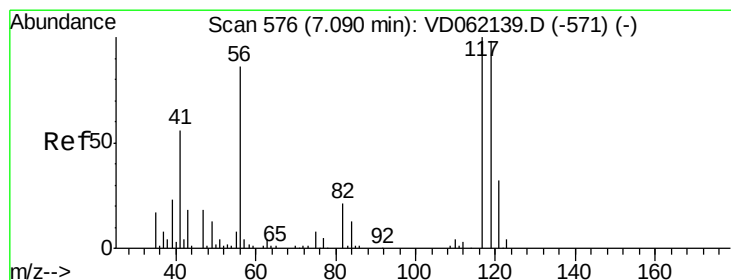
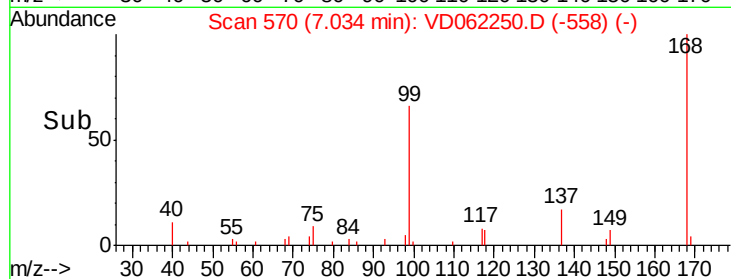
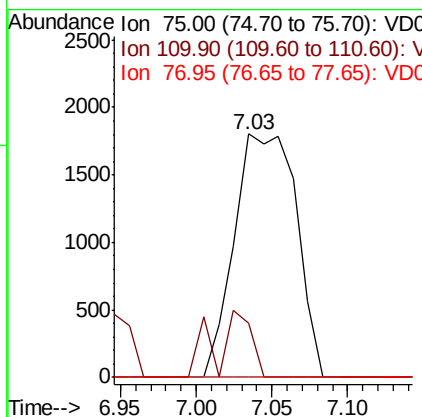
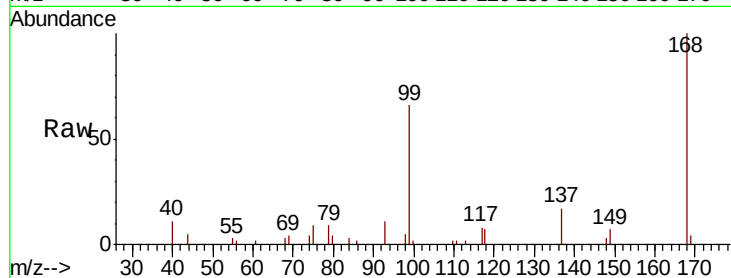




#36
 1,1-Dichloropropene
 Concen: 4.323 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD062250.D
 Acq: 11 May 2019 21:07

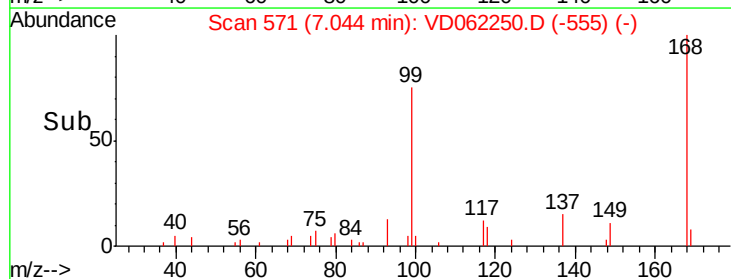
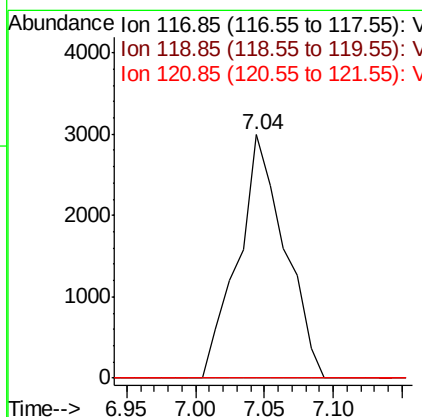
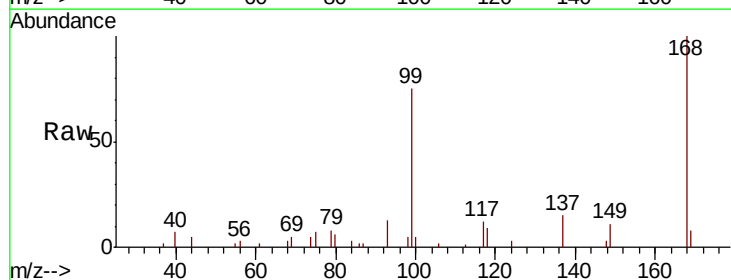
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS008-1824-01

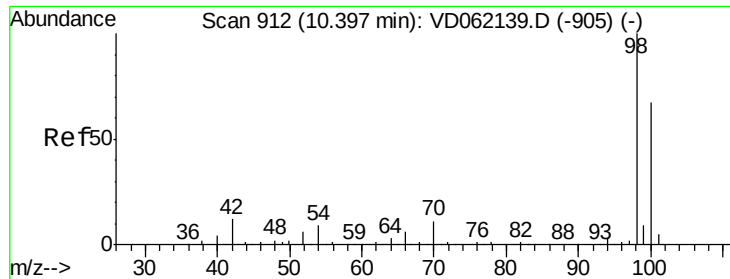
Tot Ion	75	Resp	5144
Ion Ratio	Lower	Upper	
75	100		
110	22.5	19.1	57.1
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 4.288 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.05 min
 Lab File: VD062250.D
 Acq: 11 May 2019 21:07

Tgt Ion	117	Resp	7063
Ion Ratio	Lower	Upper	
117	100		
119	0.0	75.8	113.8#
121	0.0	25.9	38.9#





#50

Toluene-d8

Concen: 41.216 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD062250.D

Acq: 11 May 2019 21:07

Instrument :

MSVOA_D

ClientSampleId :

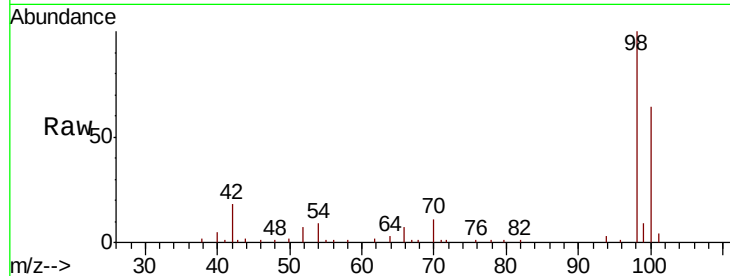
P026-SS008-1824-01

Tot Ion: 98 Resp: 119665

Ion Ratio Lower Upper

98 100

100 64.1 53.8 80.8

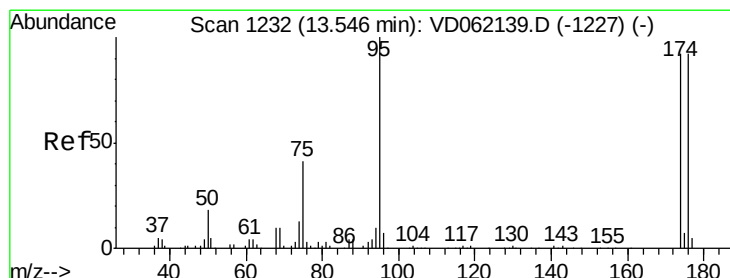
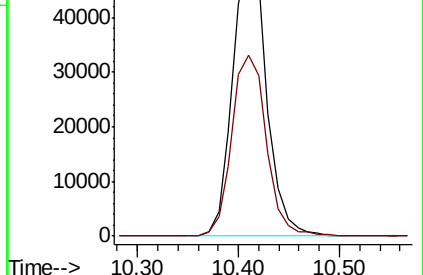
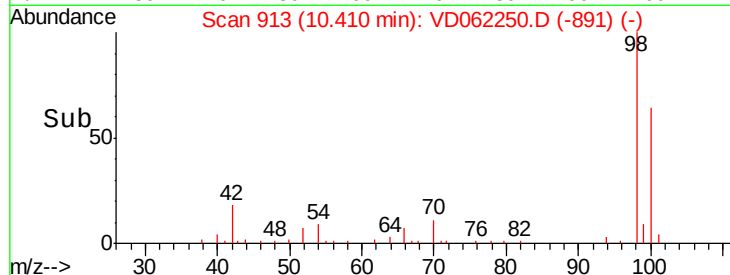


Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD062139.D (-905) (-)

10.41

Time-->



#62

4-Bromofluorobenzene

Concen: 56.777 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062250.D

Acq: 11 May 2019 21:07

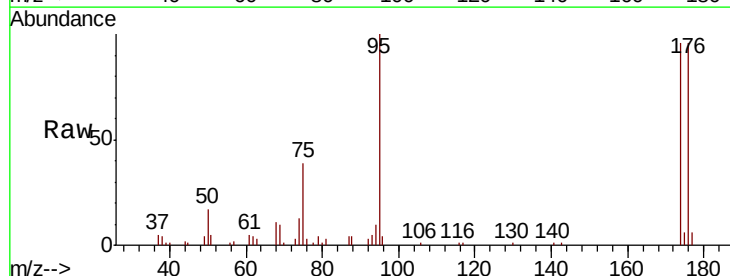
Tgt Ion: 95 Resp: 66196

Ion Ratio Lower Upper

95 100

174 96.4 0.0 181.8

176 96.3 0.0 174.4



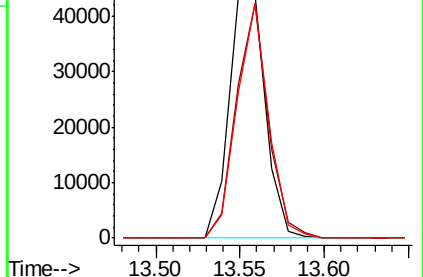
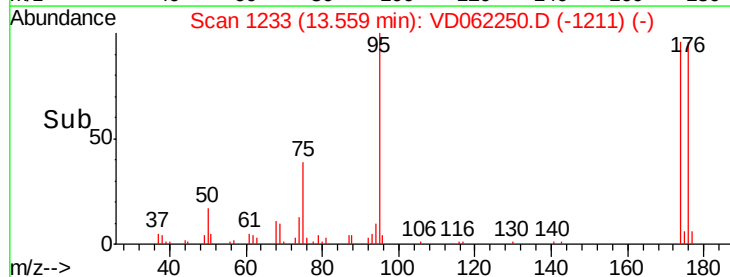
Abundance Ion 95.00 (94.70 to 95.70): VD062139.D (-1227) (-)

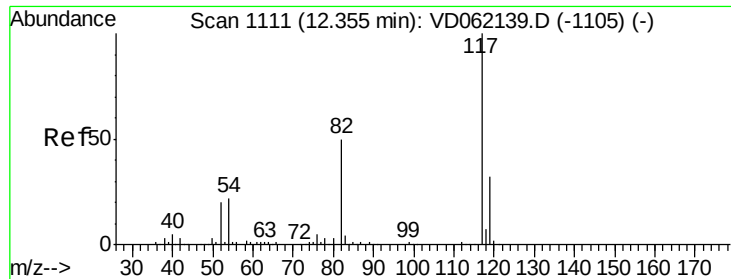
Ion 173.90 (173.60 to 174.60): VD062139.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD062139.D (-1227) (-)

13.56

Time-->

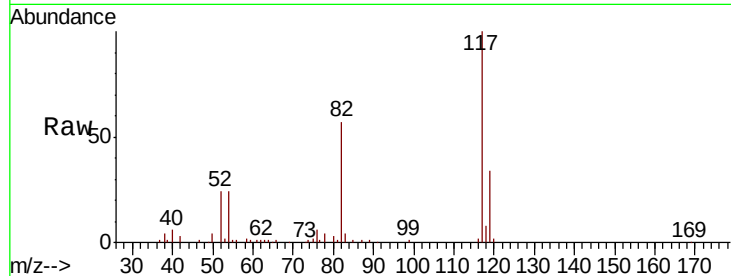




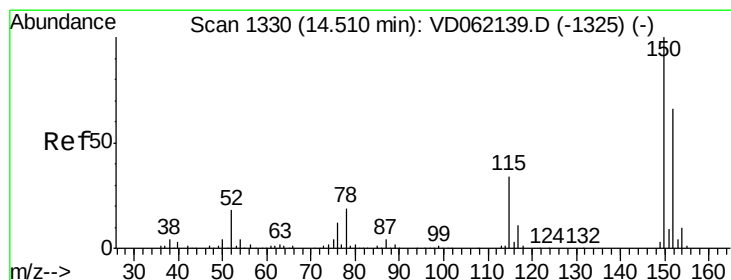
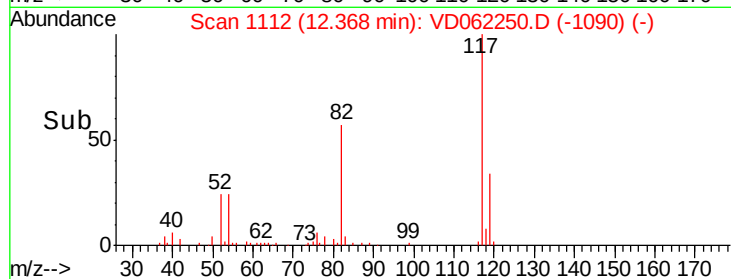
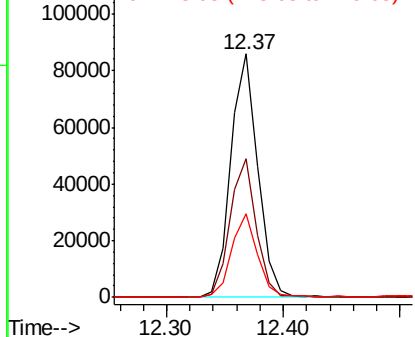
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062250.D
Acq: 11 May 2019 21:07

Instrument :
MSVOA_D
ClientSampleId :
P026-SS008-1824-01

Tot Ion:117 Resp: 137726
Ion Ratio Lower Upper
117 100
82 57.1 36.2 54.2#
119 34.4 26.2 39.4

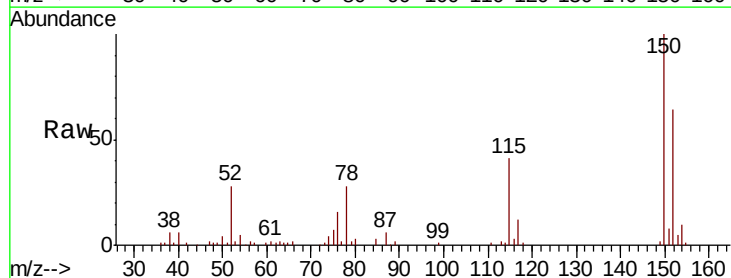


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

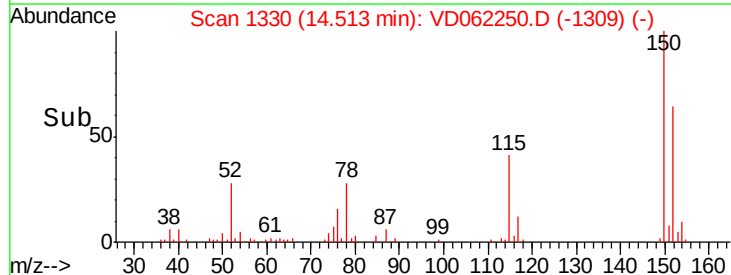
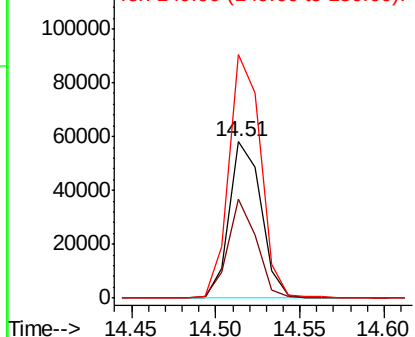


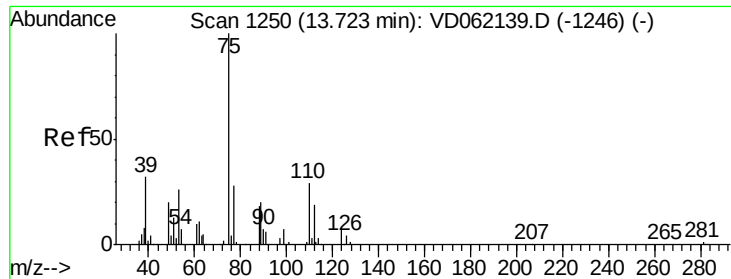
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062250.D
Acq: 11 May 2019 21:07

Tgt Ion:152 Resp: 76266
Ion Ratio Lower Upper
152 100
115 63.5 30.9 92.7
150 156.0 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: 28.436 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD062250.D

Acq: 11 May 2019 21:07

Instrument :

MSVOA_D

ClientSampleId :

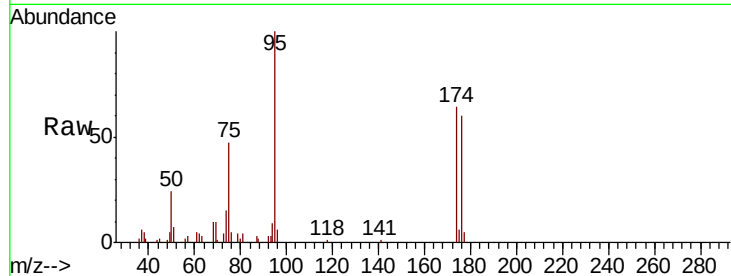
P026-SS008-1824-01

Tot Ion: 75 Resp: 25773

Ion Ratio Lower Upper

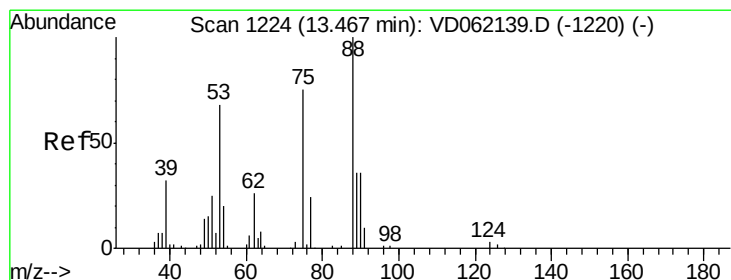
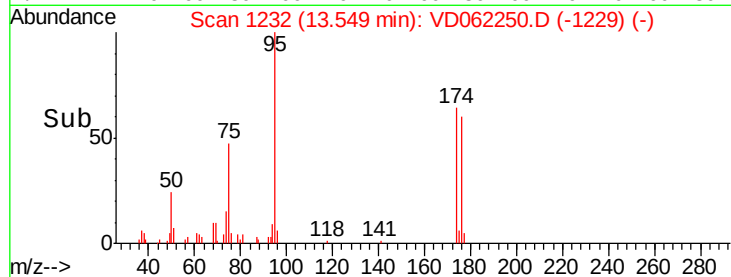
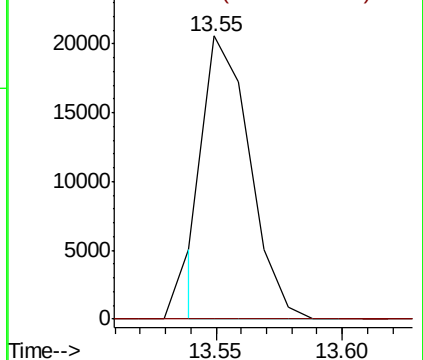
75 100

77 0.0 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: 112.334 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062250.D

Acq: 11 May 2019 21:07

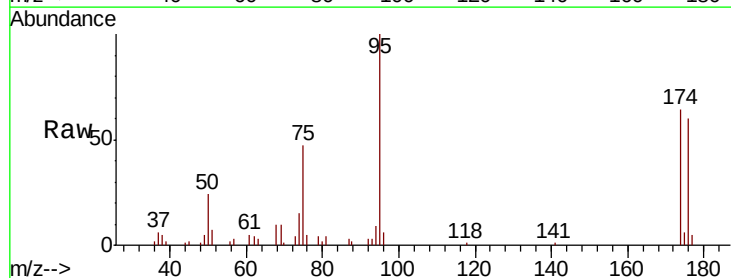
Tgt Ion: 75 Resp: 28743

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

