

Data File : VD062332.D
Acq On : 14 May 2019 5:16
Operator : FY/SY
Sample : K2735-10
Misc : 5.87g/5mL/MSVOA_D/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P026-SS016-0612-01

Quant Time: May 14 08:20:13 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	7.06	168	545273	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	764399	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	503032	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	180873	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	257829	50.88	ug/l	0.05
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	6.95	113	289108	45.58	ug/l	0.05
Spiked Amount	50.000		Recovery	=	91.16%	
50) Toluene-d8	10.42	98	465455	30.44	ug/l	0.02
Spiked Amount	50.000		Recovery	=	60.88%	
62) 4-Bromofluorobenzene	13.56	95	181042	29.48	ug/l	0.01
Spiked Amount	50.000		Recovery	=	58.96%	

Target Compounds

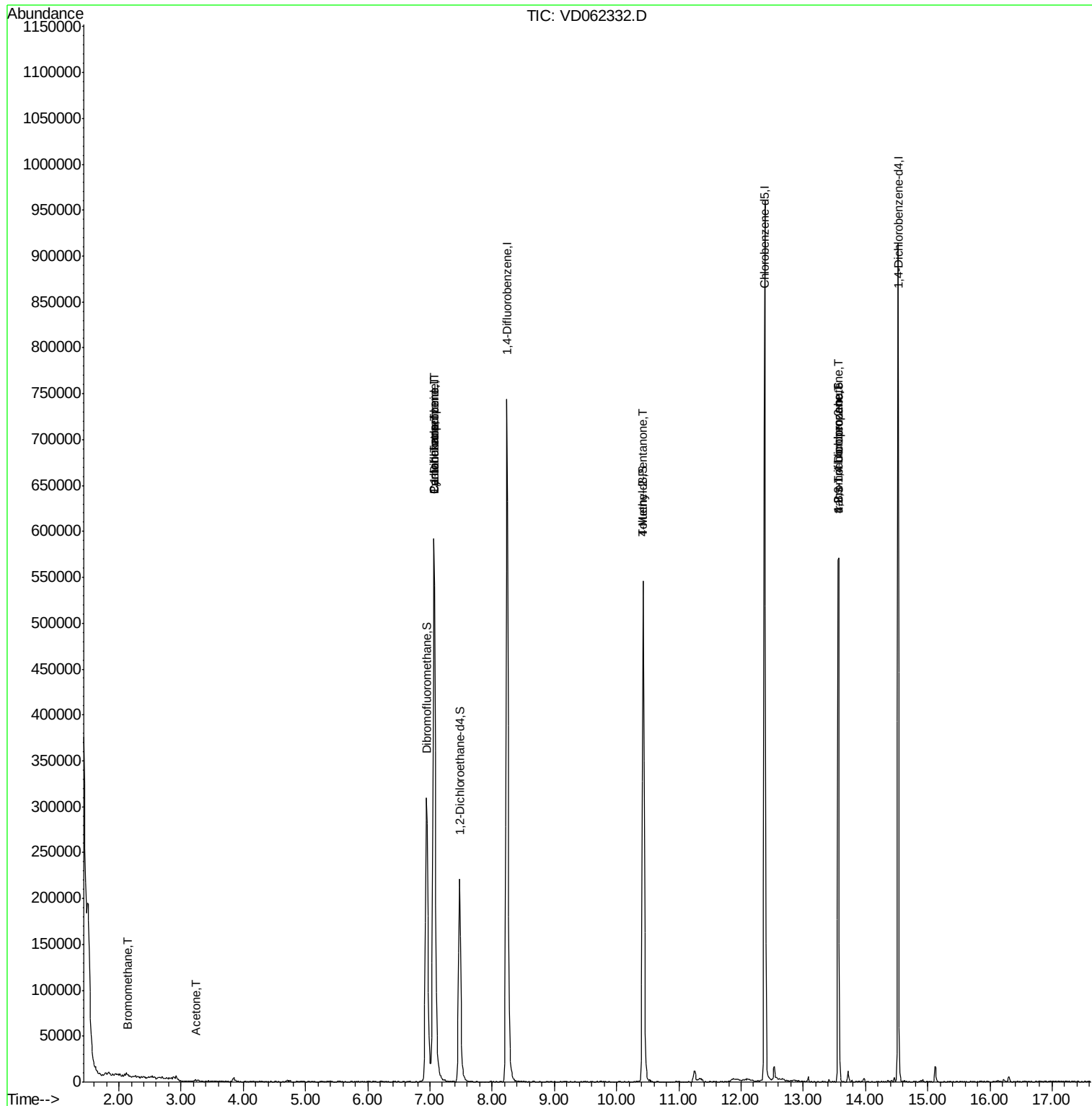
						Qvalue
5) Bromomethane	2.14	94	2652	3.056	ug/l #	9
16) Acetone	3.24	43	3560	3.350	ug/l #	50
18) Methyl Acetate	3.65	43	197	Below Cal	#	53
31) Cyclohexane	7.07	56	11869	2.232	ug/l #	2
36) 1,1-Dichloropropene	7.06	75	46136	7.361	ug/l #	46
38) Carbon Tetrachloride	7.06	117	55292	6.374	ug/l #	17
51) 4-Methyl-2-Pentanone	10.42	43	2812	1.161	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	78310	36.431	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	79343	130.751	ug/l #	16

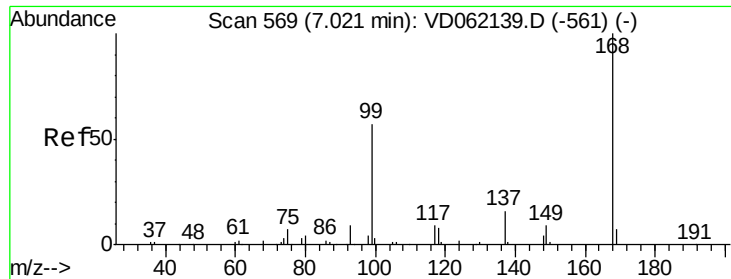
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062332.D

Acq: 14 May 2019 5:16

Instrument :

MSVOA_D

ClientSampleId :

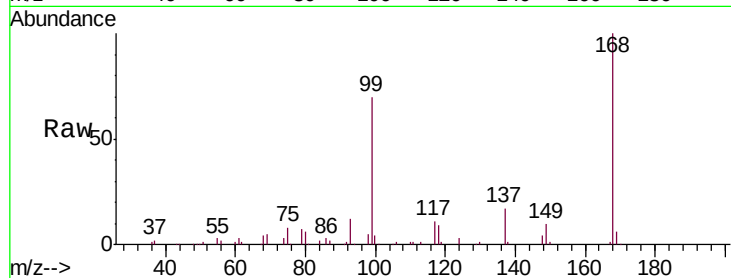
P026-SS016-0612-01

Tgt Ion:168 Resp: 545273

Ion Ratio Lower Upper

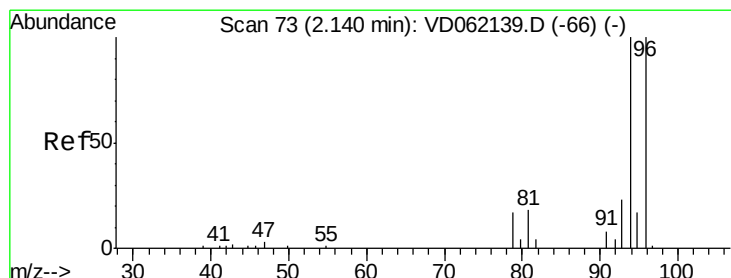
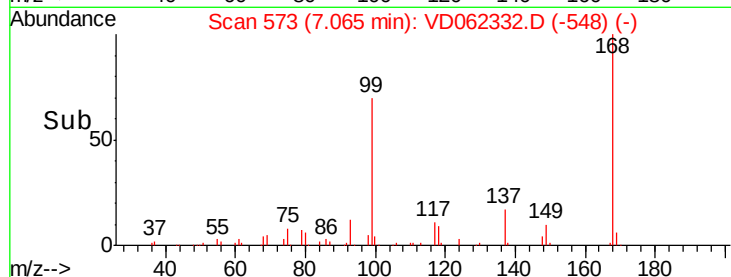
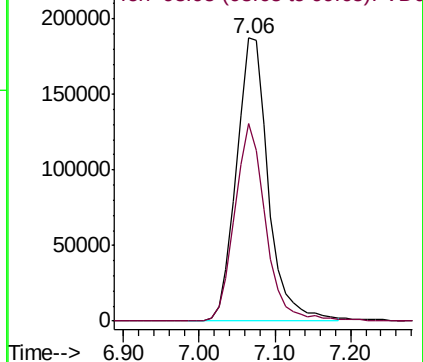
168 100

99 69.9 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: 3.056 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD062332.D

Acq: 14 May 2019 5:16

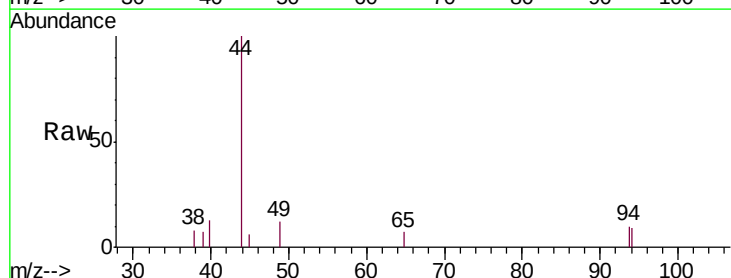
Tgt Ion: 94 Resp: 2652

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

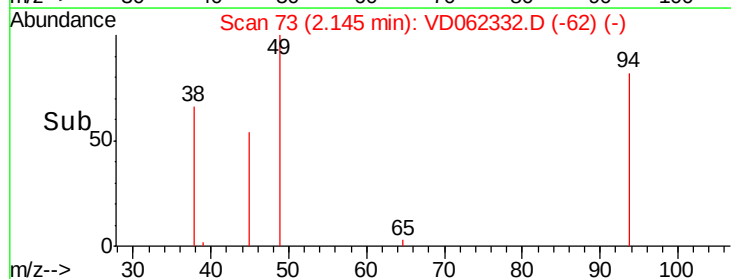
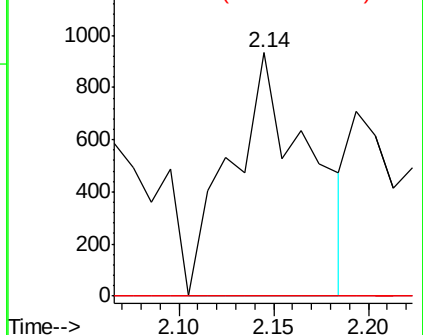
93 52.5 18.5 27.7#

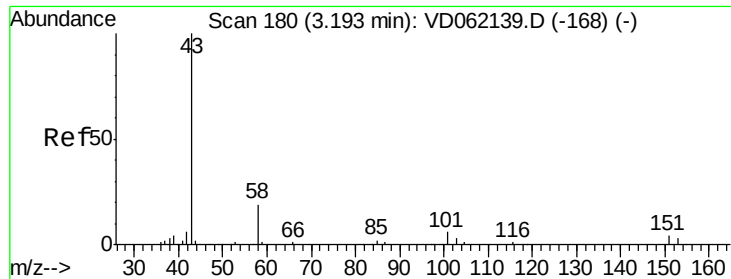


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 3.350 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062332.D

Acq: 14 May 2019 5:16

Instrument :

MSVOA_D

ClientSampleId :

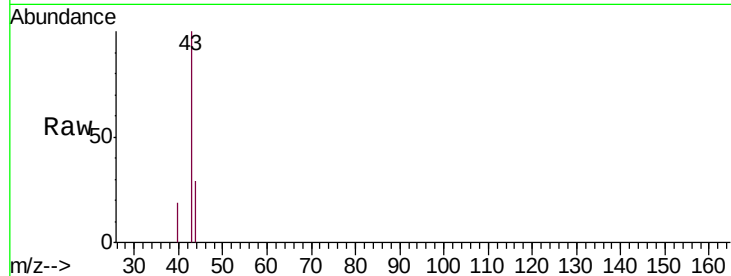
P026-SS016-0612-01

Tgt Ion: 43 Resp: 3560

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

3.24

2000

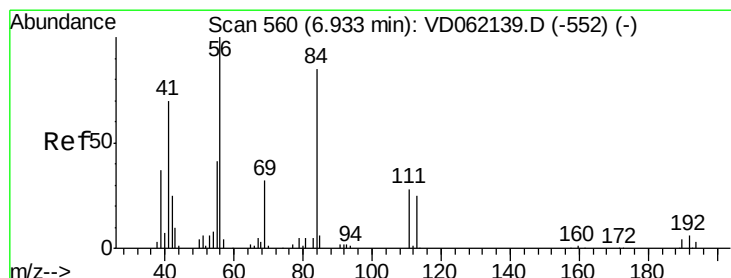
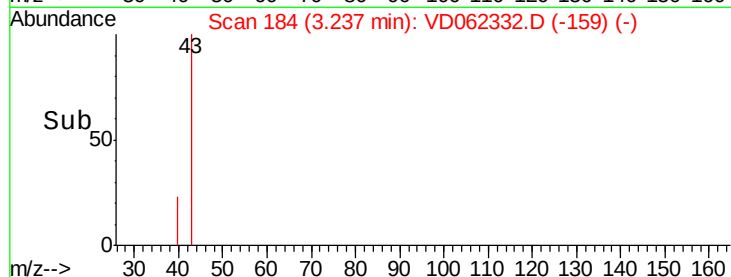
1500

1000

500

0

Time--> 3.15 3.20 3.25 3.30



#31

Cyclohexane

Concen: 2.232 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.14 min

Lab File: VD062332.D

Acq: 14 May 2019 5:16

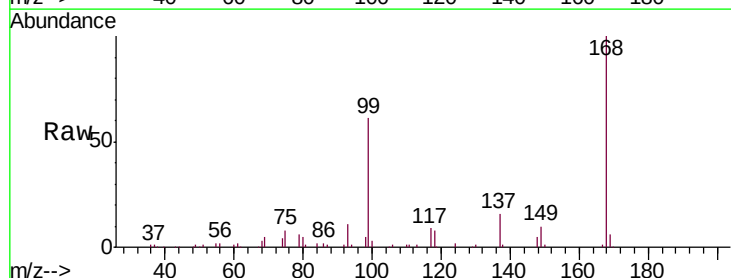
Tgt Ion: 56 Resp: 11869

Ion Ratio Lower Upper

56 100

69 218.6 25.8 38.6#

84 76.4 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

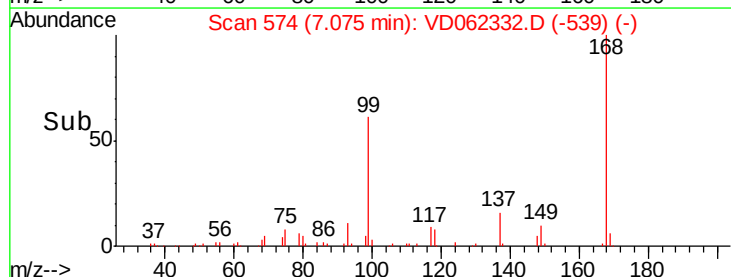
Ion 84.05 (83.75 to 84.75): VDC

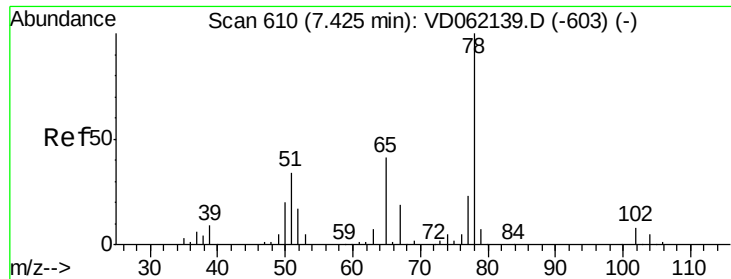
10000

5000

0

Time--> 6.95 7.00 7.05 7.10 7.15

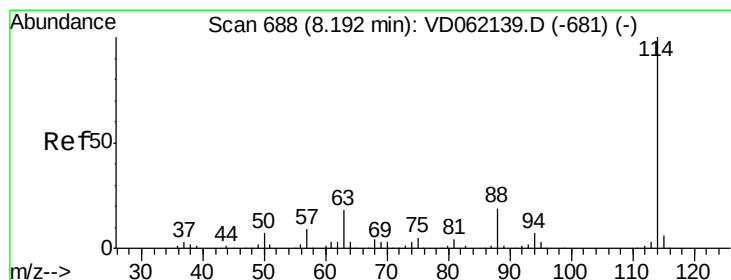
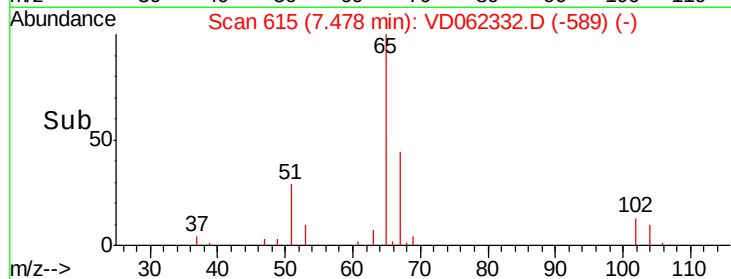
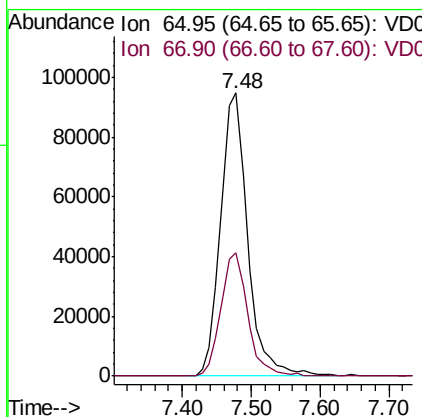
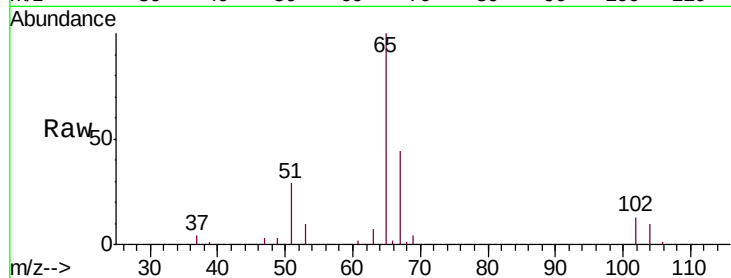




#33
 1,2-Dichloroethane-d4
 Concen: 50.881 ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.05 min
 Lab File: VD062332.D
 Acq: 14 May 2019 5:16

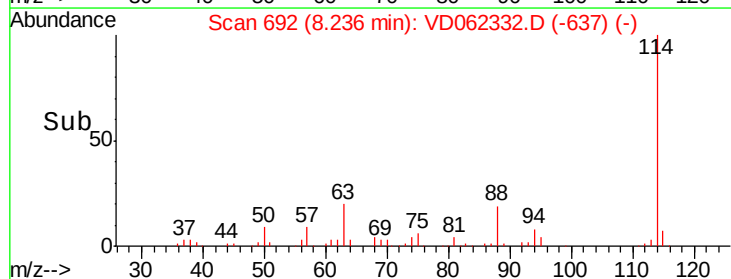
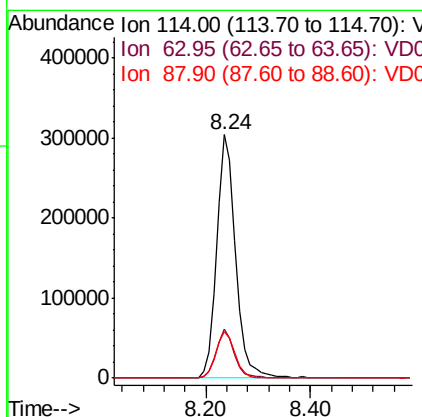
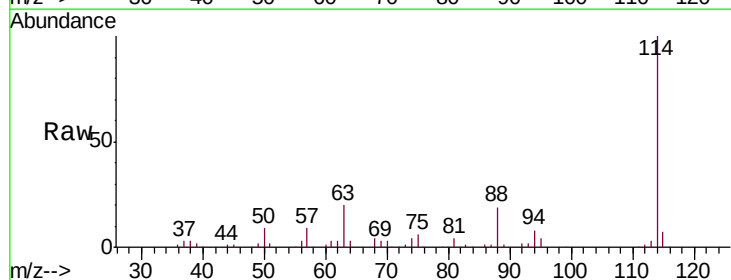
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS016-0612-01

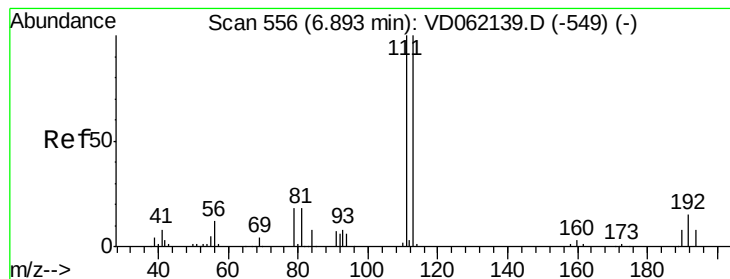
Tgt Ion: 65 Resp: 257829
 Ion Ratio Lower Upper
 65 100
 67 43.8 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062332.D
 Acq: 14 May 2019 5:16

Tgt Ion: 114 Resp: 764399
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 32.4
 88 19.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 45.584 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062332.D

Acq: 14 May 2019 5:16

Instrument :

MSVOA_D

ClientSampleId :

P026-SS016-0612-01

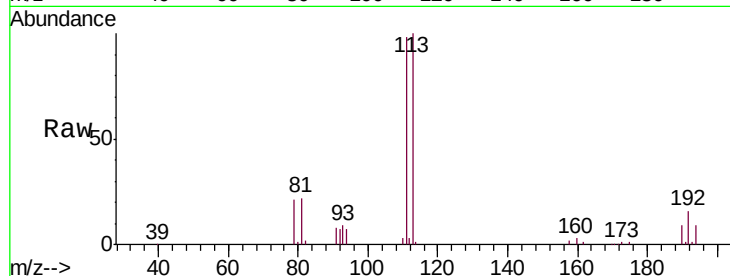
Tgt Ion: 113 Resp: 289108

Ion Ratio Lower Upper

113 100

111 98.4 78.5 117.7

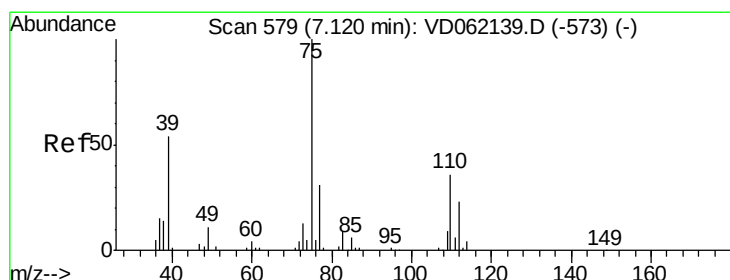
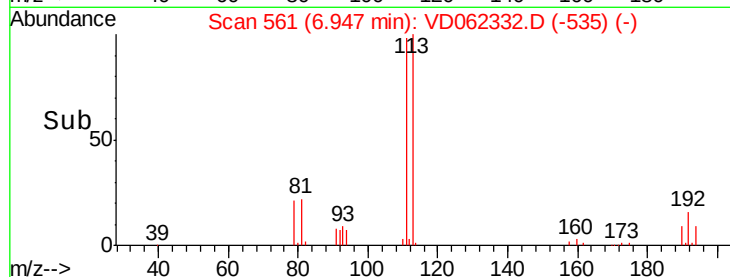
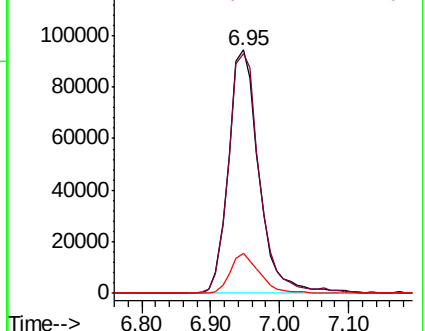
192 16.4 13.0 19.4



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: 7.361 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD062332.D

Acq: 14 May 2019 5:16

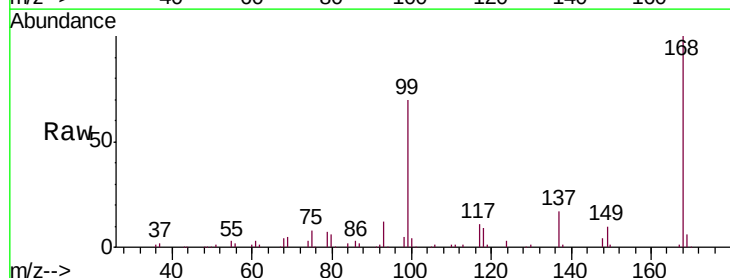
Tgt Ion: 75 Resp: 46136

Ion Ratio Lower Upper

75 100

110 7.4 19.1 57.1#

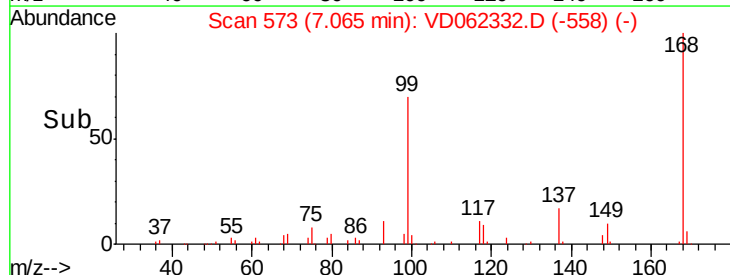
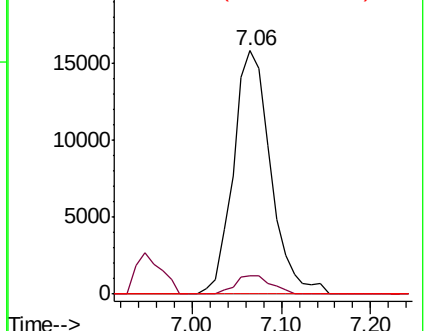
77 0.0 25.6 38.4#

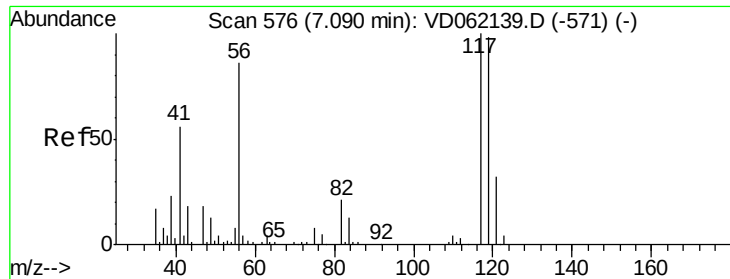


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

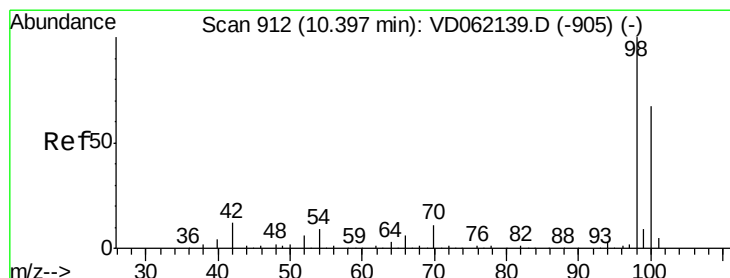
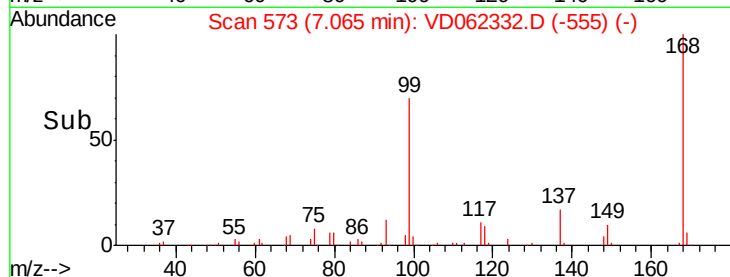
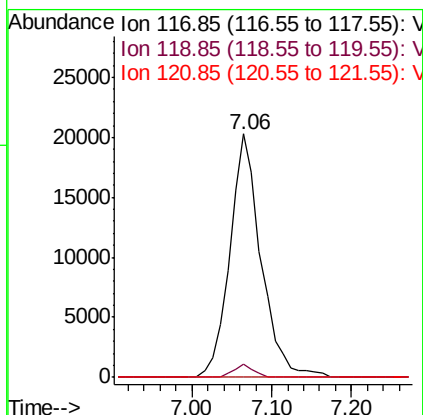
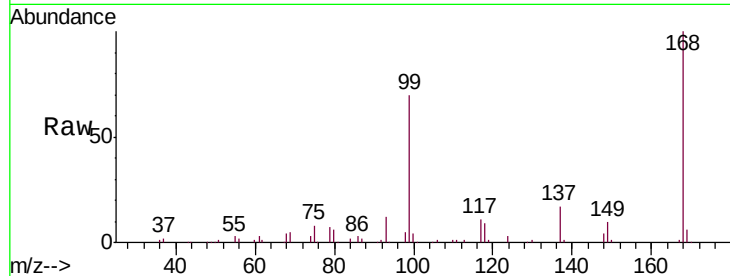




#38
Carbon Tetrachloride
Concen: 6.374 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.03 min
Lab File: VD062332.D
Acq: 14 May 2019 5:16

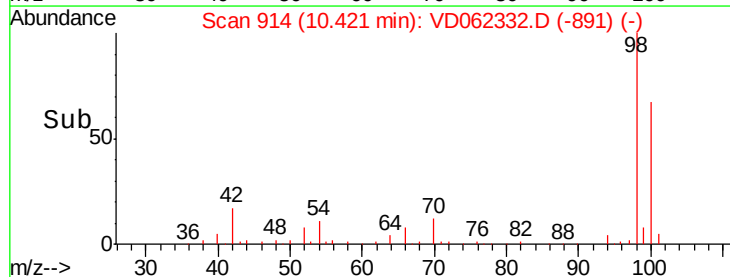
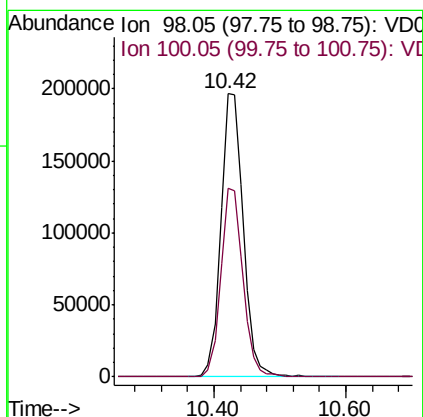
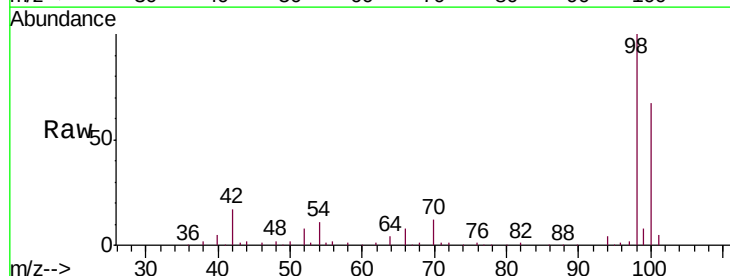
Instrument :
MSVOA_D
ClientSampleId :
P026-SS016-0612-01

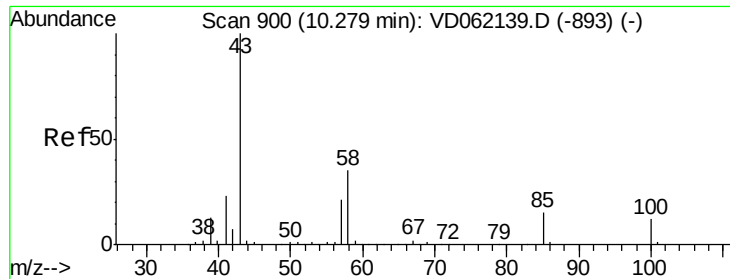
Tgt Ion:117 Resp: 55292
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.8#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 30.438 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062332.D
Acq: 14 May 2019 5:16

Tgt Ion: 98 Resp: 465455
Ion Ratio Lower Upper
98 100
100 66.7 53.8 80.8

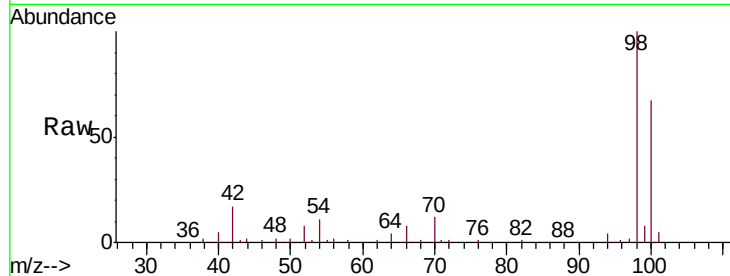




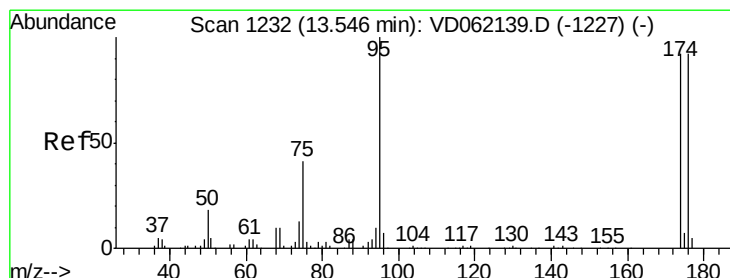
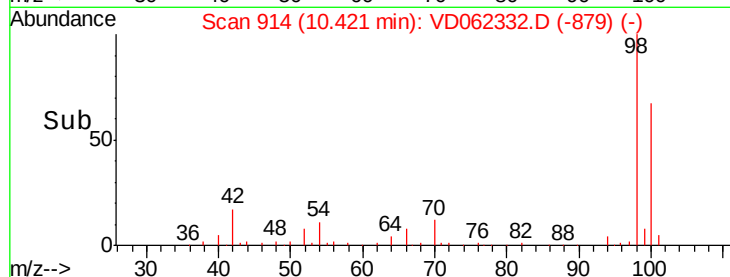
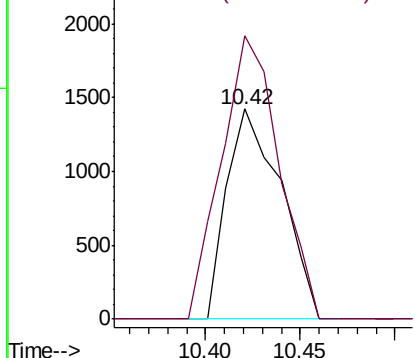
#51
 4-Methyl-2-Pentanone
 Concen: 1.161 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.14 min
 Lab File: VD062332.D
 Acq: 14 May 2019 5:16

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS016-0612-01

Tgt Ion: 43 Resp: 2812
 Ion Ratio Lower Upper
 43 100
 58 134.9 30.4 45.6#

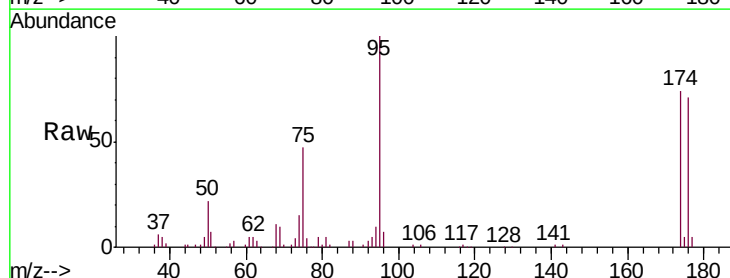


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

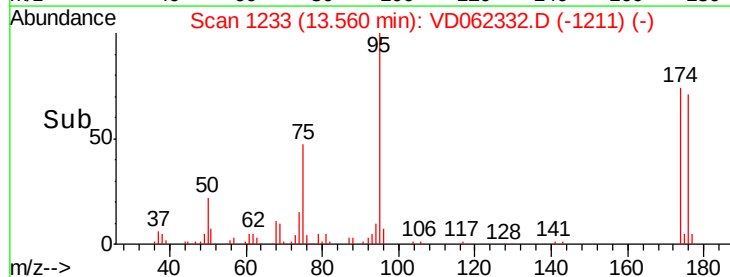
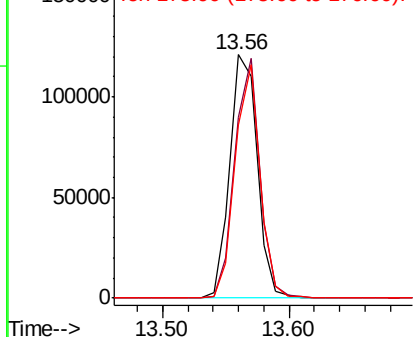


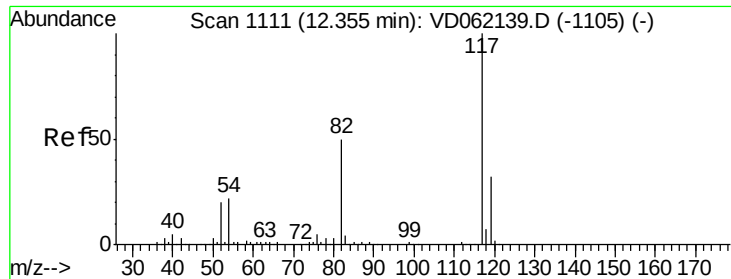
#62
 4-Bromofluorobenzene
 Concen: 29.483 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062332.D
 Acq: 14 May 2019 5:16

Tgt Ion: 95 Resp: 181042
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 181.8
 176 71.2 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

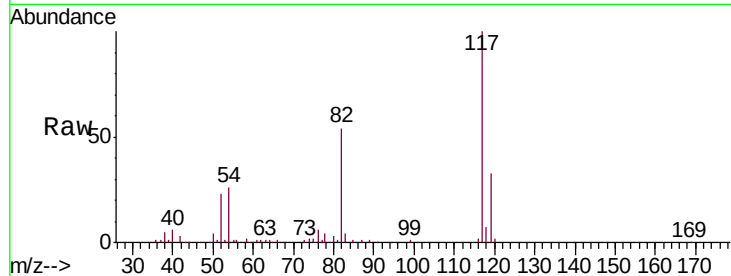




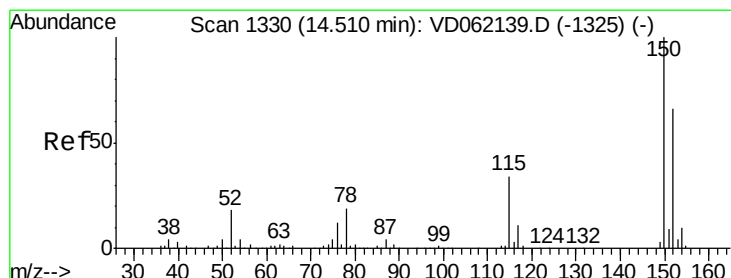
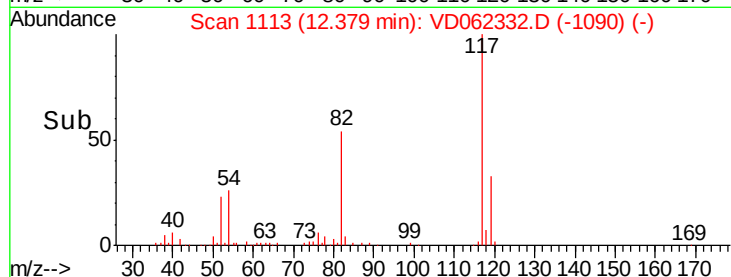
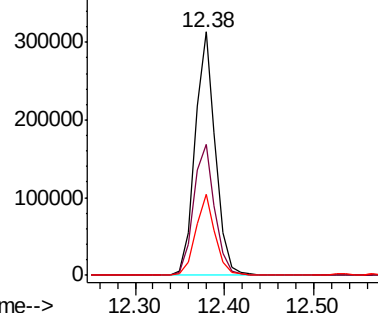
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062332.D
Acq: 14 May 2019 5:16

Instrument :
MSVOA_D
ClientSampleId :
P026-SS016-0612-01

Tgt Ion:117 Resp: 503032
Ion Ratio Lower Upper
117 100
82 53.6 36.2 54.2
119 33.5 26.2 39.4

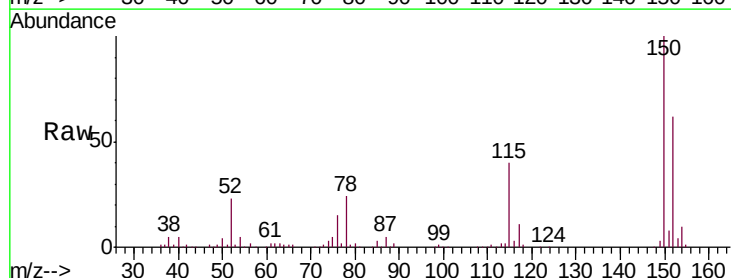


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

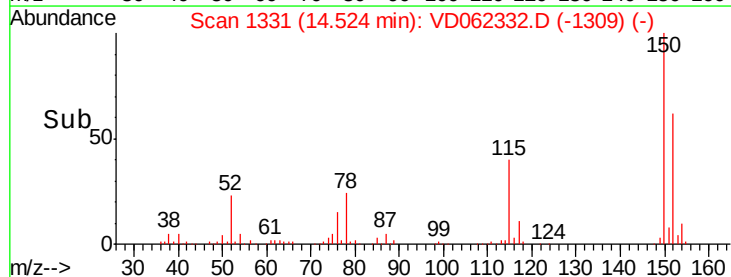
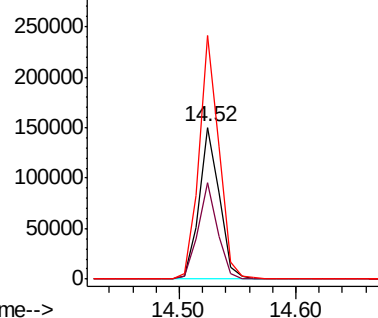


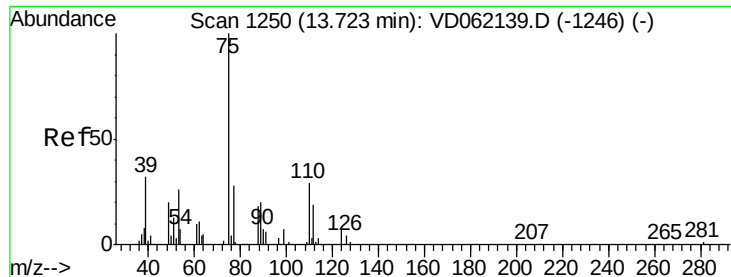
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062332.D
Acq: 14 May 2019 5:16

Tgt Ion:152 Resp: 180873
Ion Ratio Lower Upper
152 100
115 63.5 30.9 92.7
150 160.2 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: 36.431 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062332.D

Acq: 14 May 2019 5:16

Instrument :

MSVOA_D

ClientSampleId :

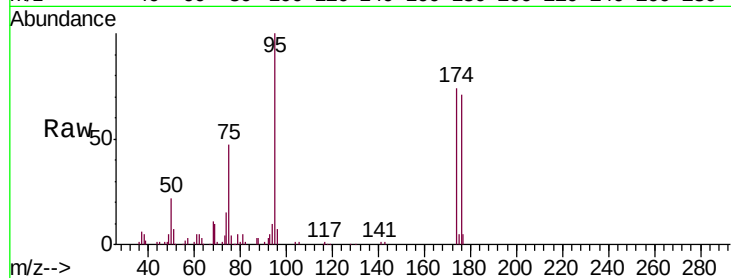
P026-SS016-0612-01

Tgt Ion: 75 Resp: 78310

Ion Ratio Lower Upper

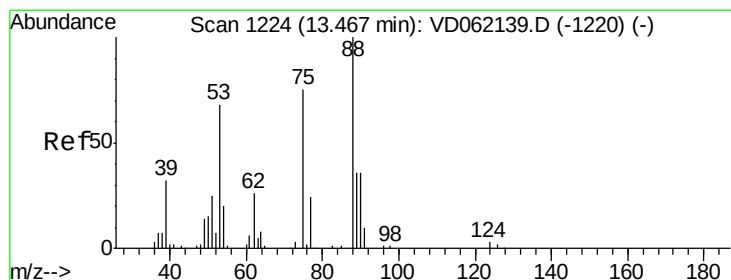
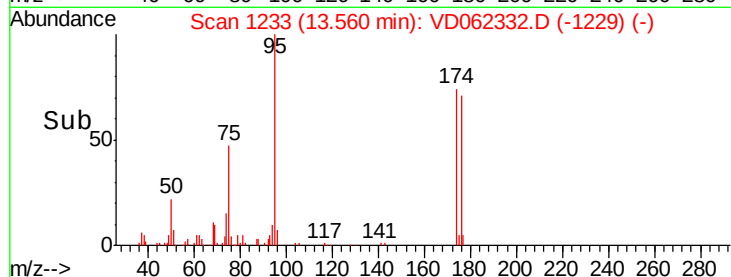
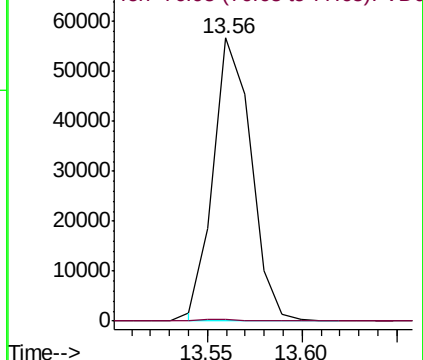
75 100

77 0.9 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: 130.751 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062332.D

Acq: 14 May 2019 5:16

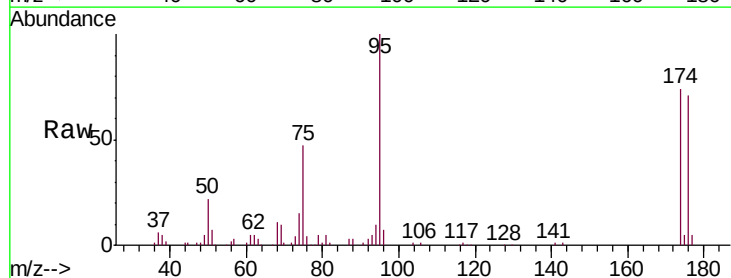
Tgt Ion: 75 Resp: 79343

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

