

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062313.D
 Acq On : 13 May 2019 19:07
 Operator : FY/SY
 Sample : K2733-11RE
 Misc : 5.31g/5mL/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS002-0612-01RE

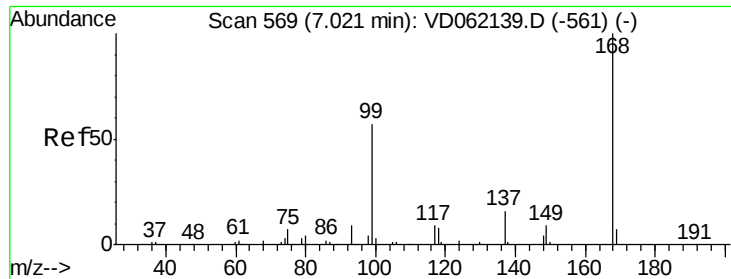
Quant Time: May 14 05:12:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	476435	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	661986	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	454077	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	169699	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	237348	53.61	ug/l	0.04
Spiked Amount			Recovery	=	107.22%	
35) Dibromofluoromethane	6.94	113	273643	49.82	ug/l	0.05
Spiked Amount			Recovery	=	99.64%	
50) Toluene-d8	10.42	98	466204	35.20	ug/l	0.02
Spiked Amount			Recovery	=	70.40%	
62) 4-Bromofluorobenzene	13.56	95	163498	30.74	ug/l	0.02
Spiked Amount			Recovery	=	61.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	791	1.043	ug/l #	12
16) Acetone	3.23	43	11371	12.247	ug/l #	81
31) Cyclohexane	7.05	56	10590	2.280	ug/l #	2
36) 1,1-Dichloropropene	7.06	75	38493	7.092	ug/l #	49
38) Carbon Tetrachloride	7.05	117	52306	6.963	ug/l #	15
51) 4-Methyl-2-Pentanone	10.43	43	2736	1.304	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	68087	33.761	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	73365	128.861	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062313.D

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MSVOA_D

ClientSampleId :

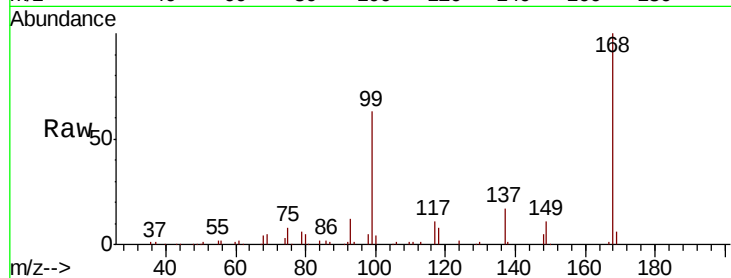
P021-SS002-0612-01RE

Tot Ion:168 Resp: 476435

Ion Ratio Lower Upper

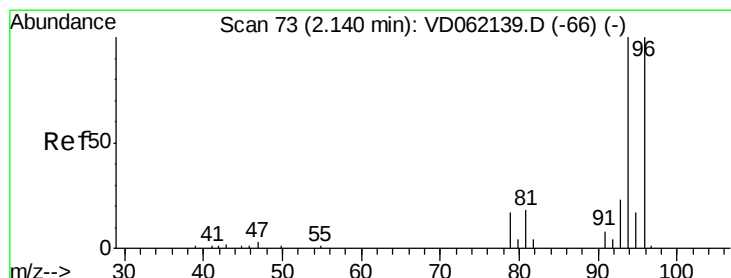
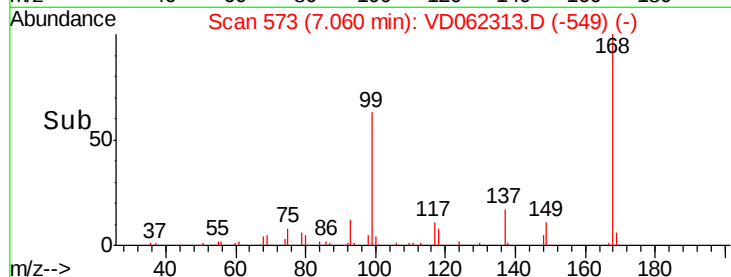
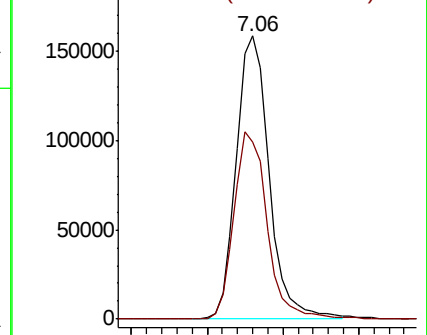
168 100

99 62.5 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: 1.043 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062313.D

Acq: 13 May 2019 19:07

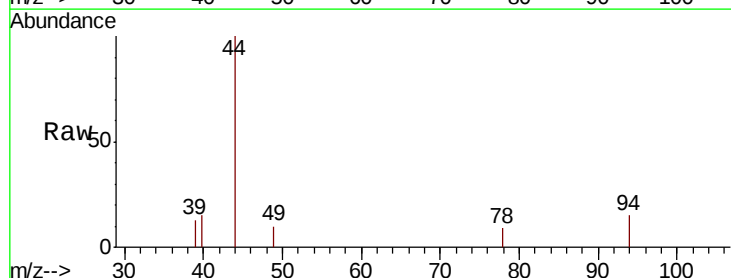
Tgt Ion: 94 Resp: 791

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

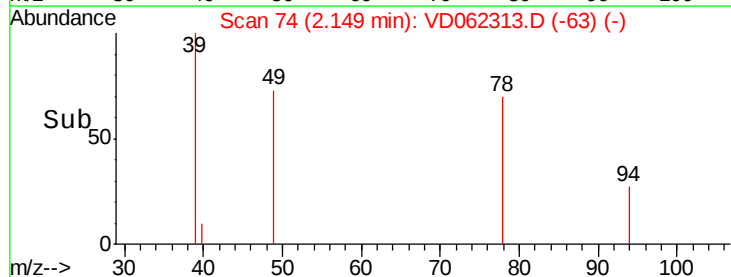
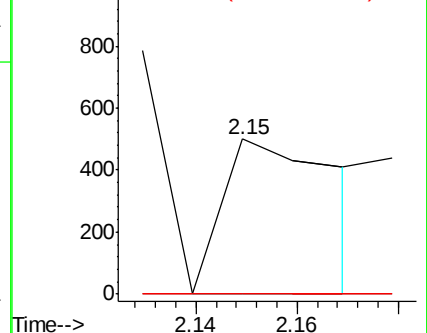
93 0.0 18.5 27.7#



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





#16

Acetone

Concen: 12.247 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062313.D

Acq: 13 May 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

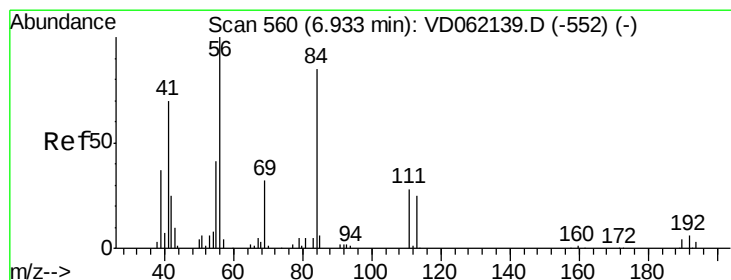
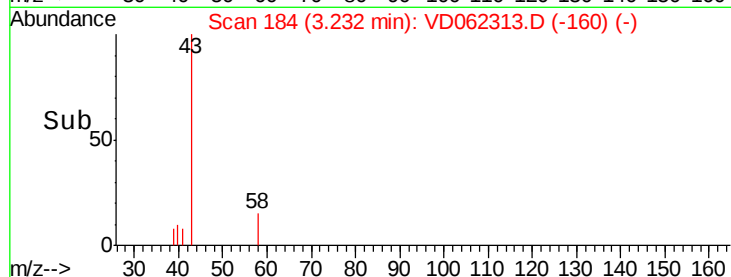
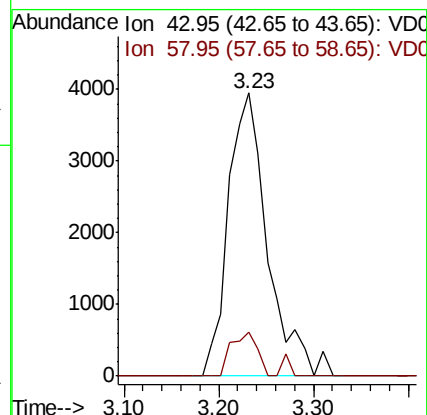
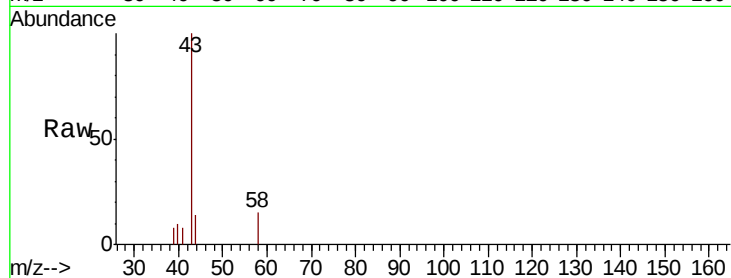
P021-SS002-0612-01RE

Tot Ion: 43 Resp: 11371

Ion Ratio Lower Upper

43 100

58 15.4 19.9 29.9#



#31

Cyclohexane

Concen: 2.280 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD062313.D

Acq: 13 May 2019 19:07

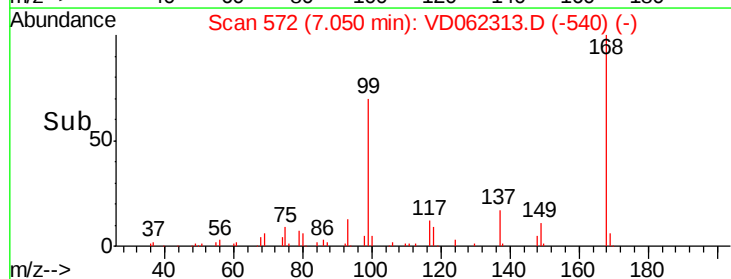
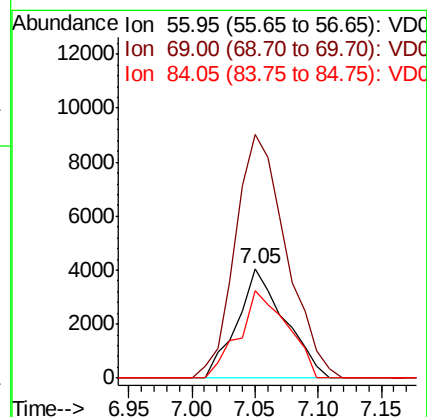
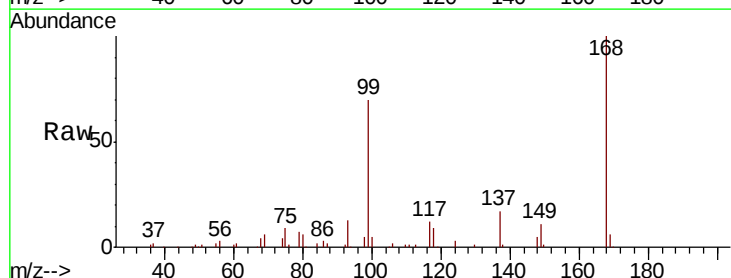
Tgt Ion: 56 Resp: 10590

Ion Ratio Lower Upper

56 100

69 222.5 25.8 38.6#

84 79.5 72.2 108.4





#33

1,2-Dichloroethane-d4

Concen: 53.607 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062313.D

Acq: 13 May 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

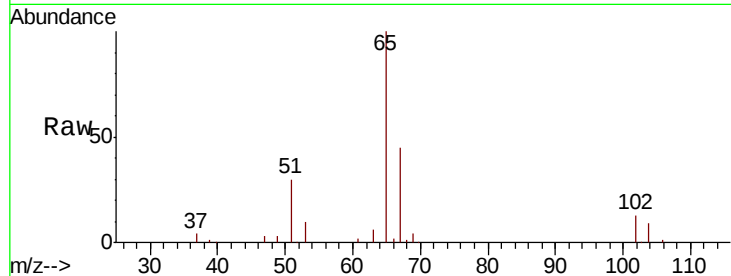
P021-SS002-0612-01RE

Tot Ion: 65 Resp: 237348

Ion Ratio Lower Upper

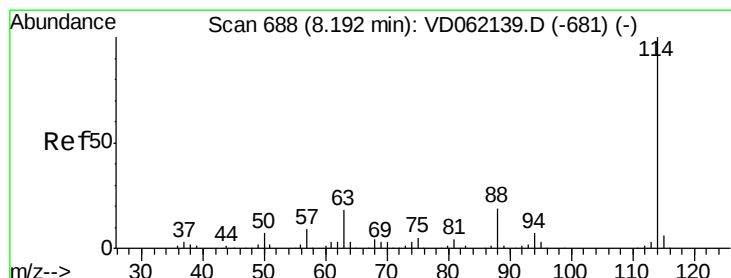
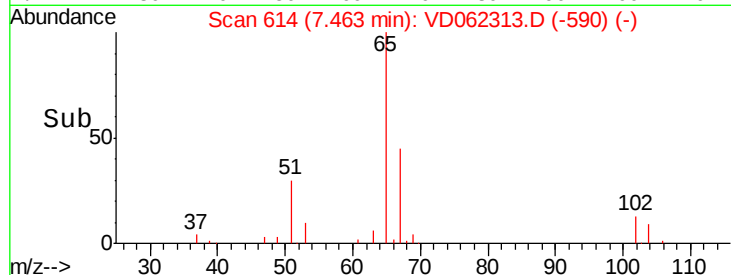
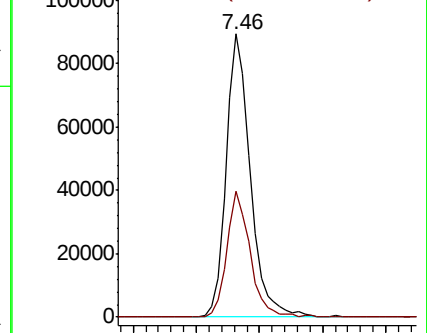
65 100

67 44.6 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: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062313.D

Acq: 13 May 2019 19:07

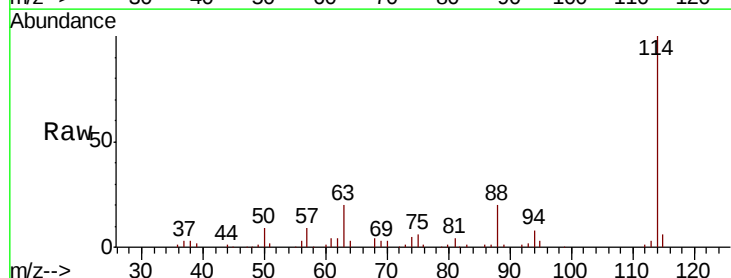
Tgt Ion: 114 Resp: 661986

Ion Ratio Lower Upper

114 100

63 19.8 0.0 32.4

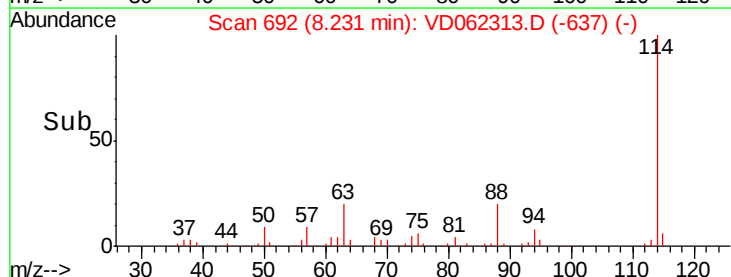
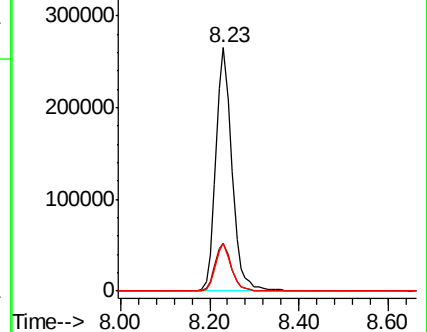
88 19.6 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

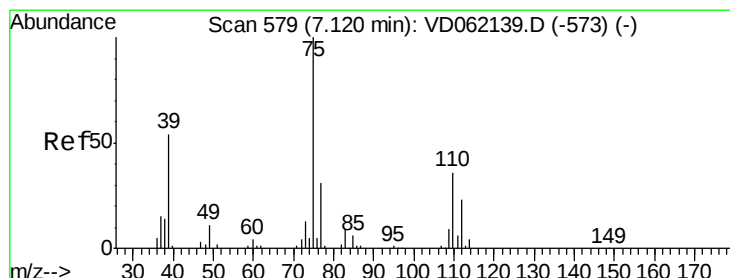
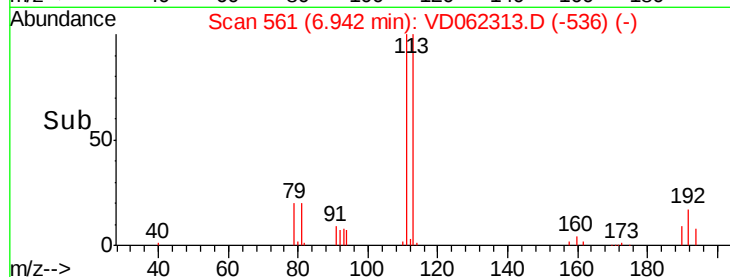
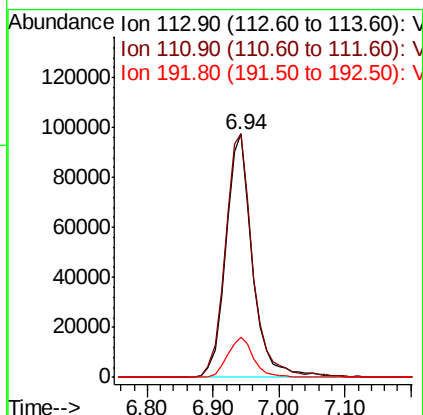
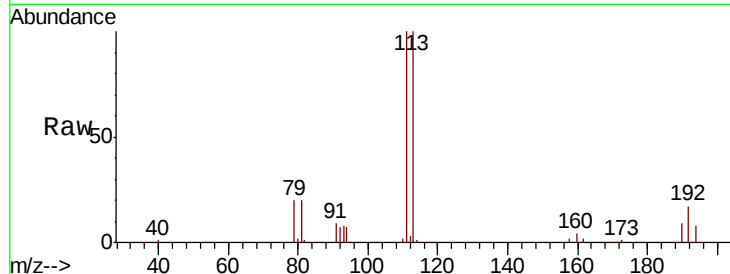




#35
 Dibromofluoromethane
 Concen: 49.821 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062313.D
 Acq: 13 May 2019 19:07

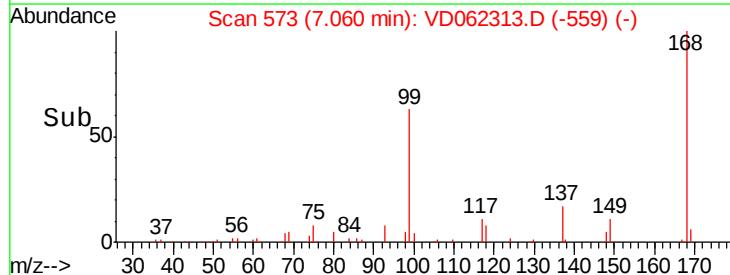
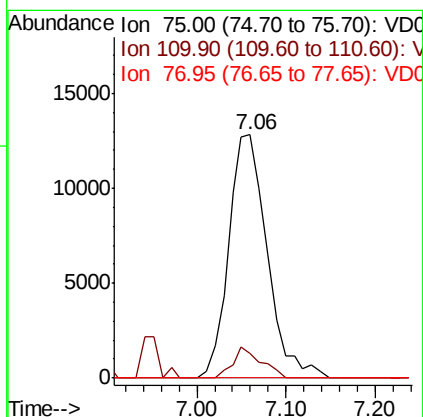
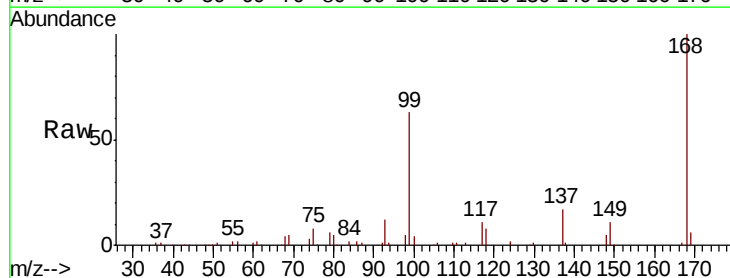
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS002-0612-01RE

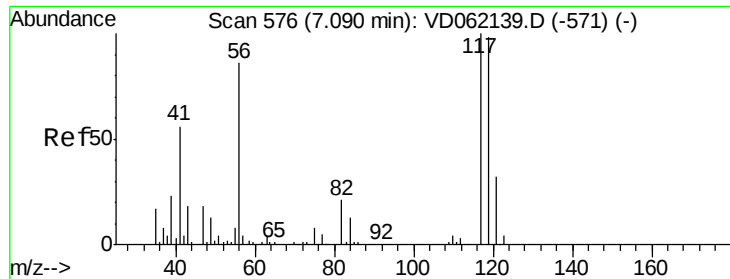
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.1	78.5	117.7
192	16.6	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 7.092 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.06 min
 Lab File: VD062313.D
 Acq: 13 May 2019 19:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	19.1	57.1#
77	0.0	25.6	38.4#

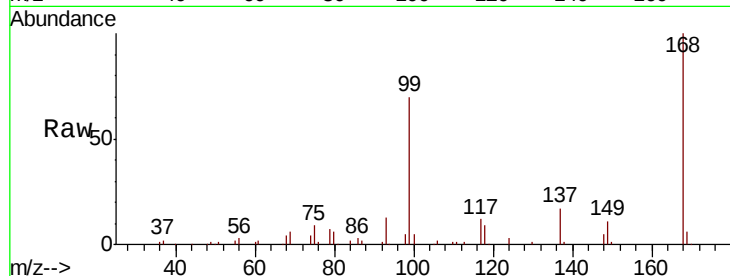




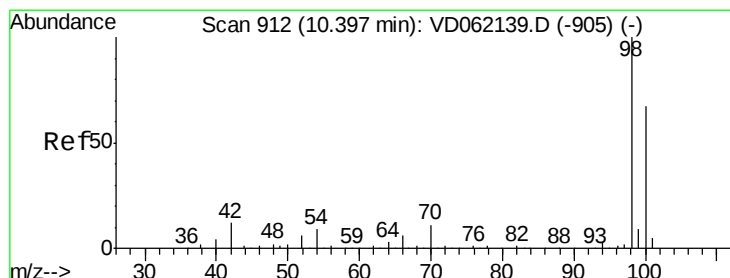
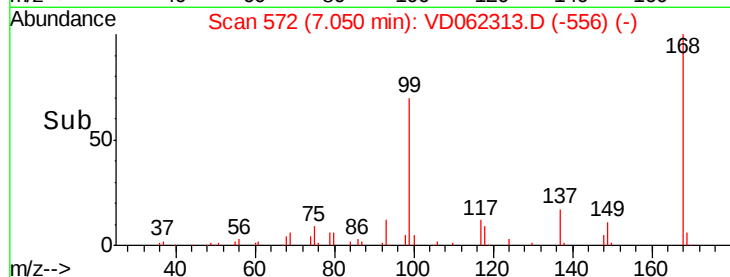
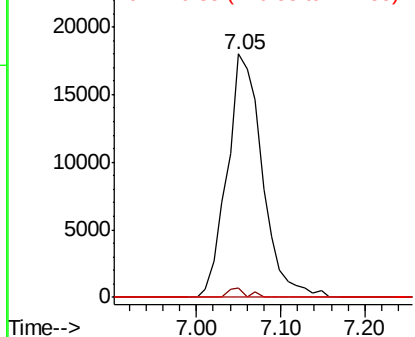
#38
Carbon Tetrachloride
Concen: 6.963 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.04 min
Lab File: VD062313.D
Acq: 13 May 2019 19:07

Instrument :
MSVOA_D
ClientSampleId :
P021-SS002-0612-01RE

Tot Ion:117 Resp: 52306
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.8#
121 0.0 25.9 38.9#

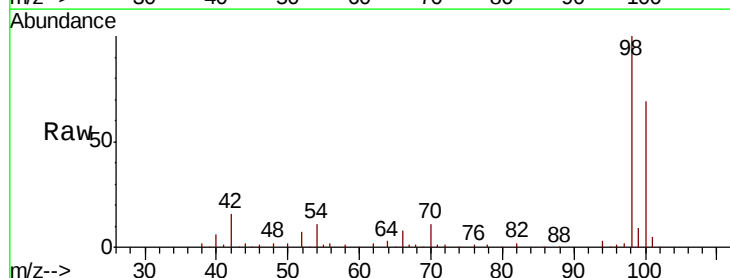


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

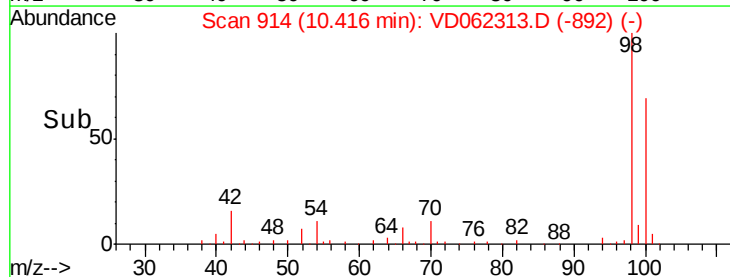
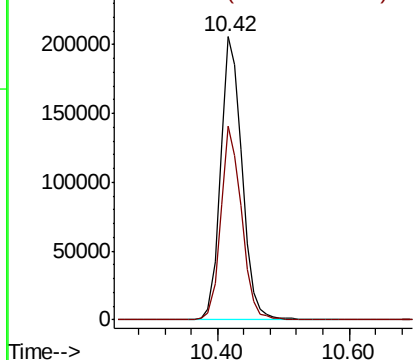


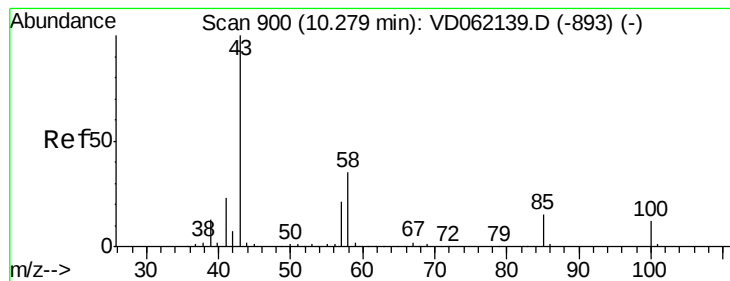
#50
Toluene-d8
Concen: 35.204 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062313.D
Acq: 13 May 2019 19:07

Tgt Ion: 98 Resp: 466204
Ion Ratio Lower Upper
98 100
100 68.5 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.304 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.15 min

Lab File: VD062313.D

Acq: 13 May 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

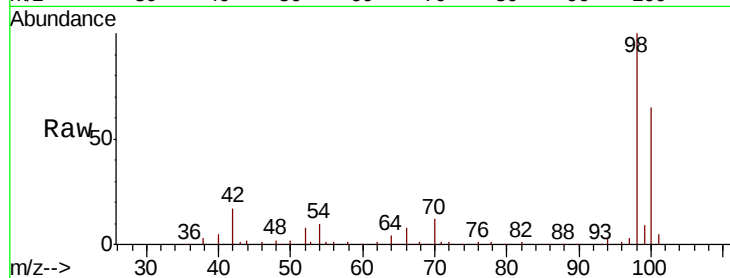
P021-SS002-0612-01RE

Tot Ion: 43 Resp: 2736

Ion Ratio Lower Upper

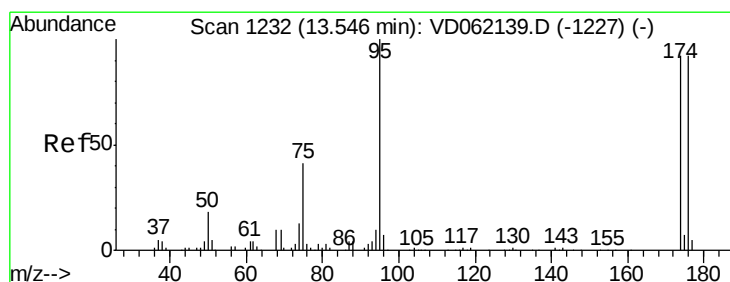
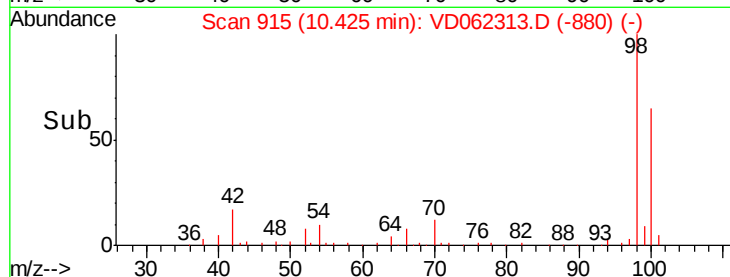
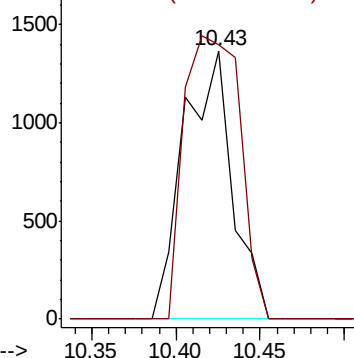
43 100

58 102.2 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: 30.745 ug/l

RT: 13.56 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062313.D

Acq: 13 May 2019 19:07

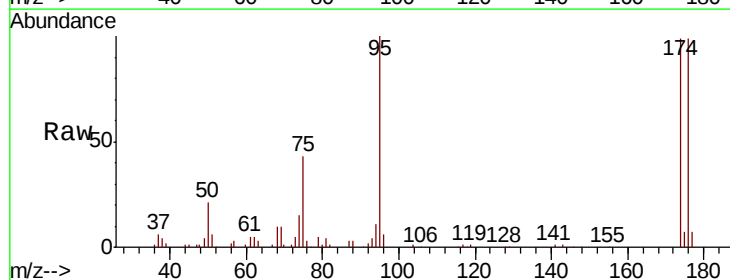
Tgt Ion: 95 Resp: 163498

Ion Ratio Lower Upper

95 100

174 99.4 0.0 181.8

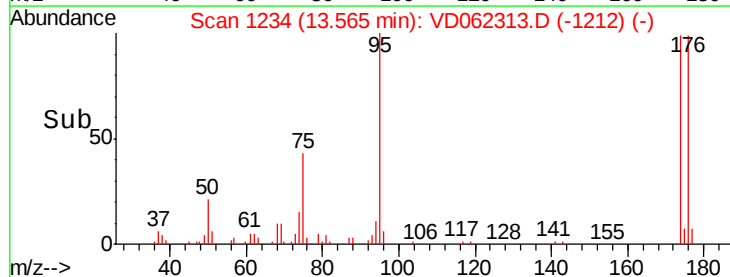
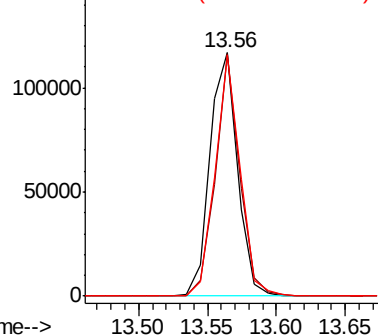
176 99.1 0.0 174.4

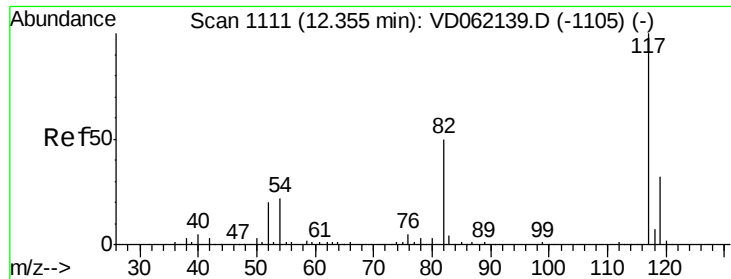


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

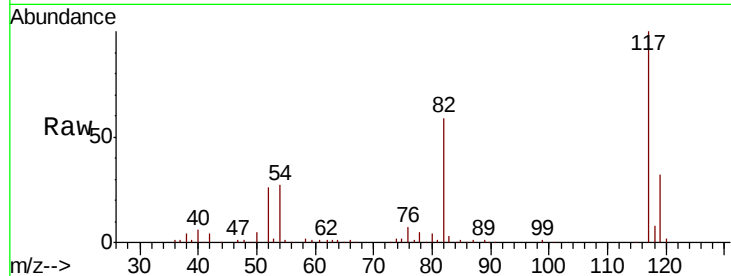




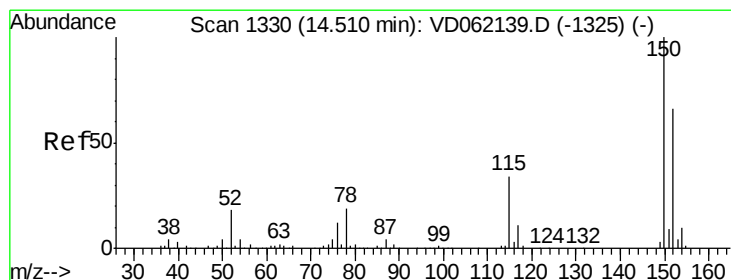
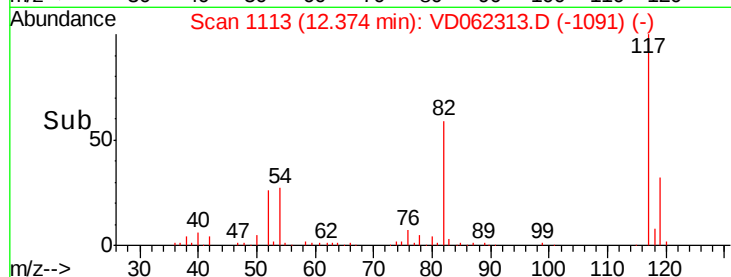
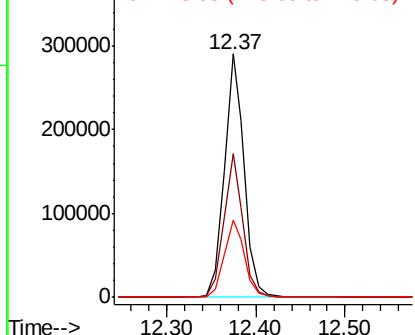
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062313.D
Acq: 13 May 2019 19:07

Instrument :
MSVOA_D
ClientSampleId :
P021-SS002-0612-01RE

Tot Ion:117 Resp: 454077
Ion Ratio Lower Upper
117 100
82 59.2 36.2 54.2#
119 31.6 26.2 39.4

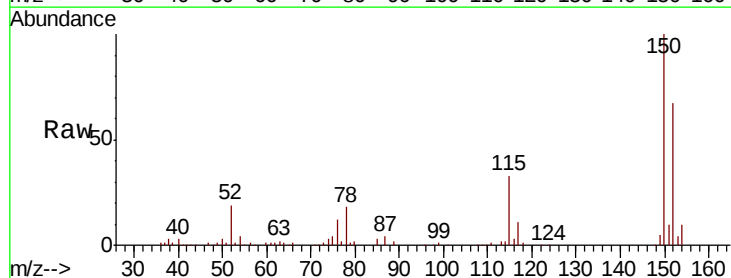


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

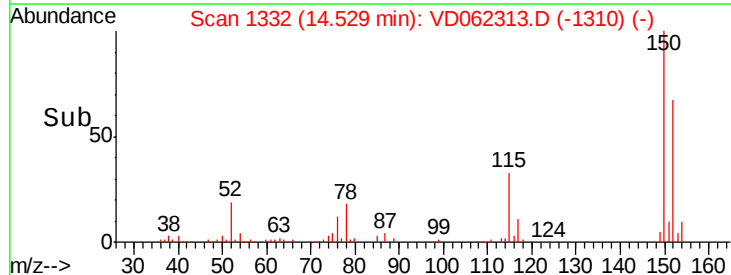
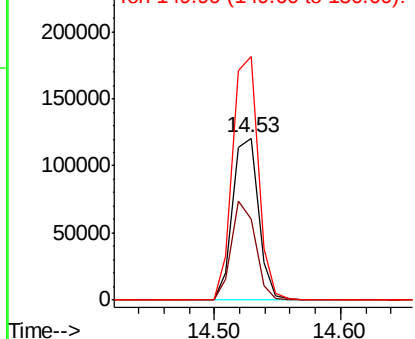


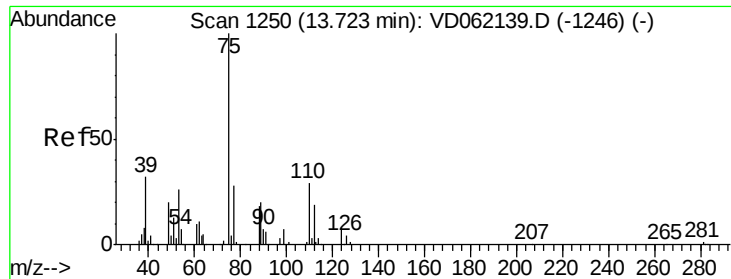
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD062313.D
Acq: 13 May 2019 19:07

Tgt Ion:152 Resp: 169699
Ion Ratio Lower Upper
152 100
115 50.1 30.9 92.7
150 150.3 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: 33.761 ug/l

RT: 13.56 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062313.D

Acq: 13 May 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

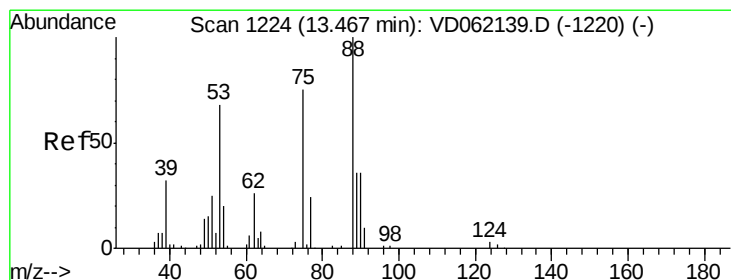
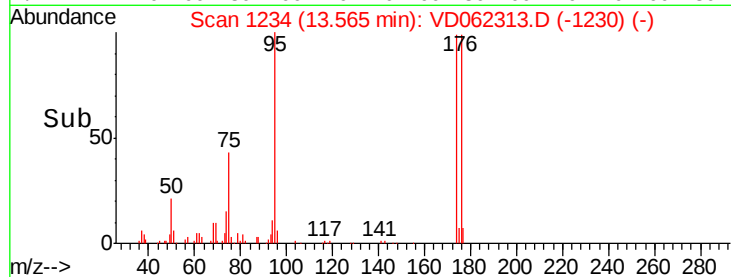
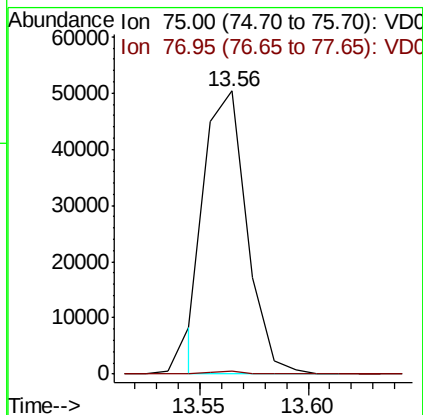
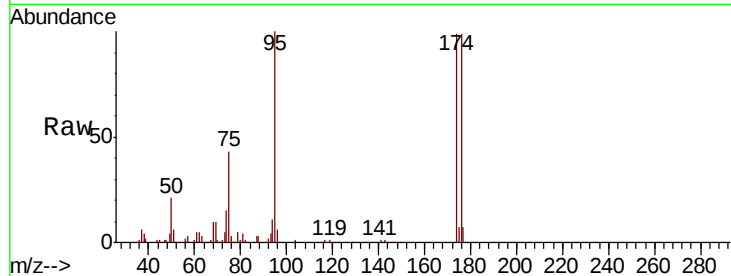
P021-SS002-0612-01RE

Tot Ion: 75 Resp: 68087

Ion Ratio Lower Upper

75 100

77 1.1 16.4 49.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.861 ug/l

RT: 13.56 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062313.D

Acq: 13 May 2019 19:07

Tgt Ion: 75 Resp: 73365

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

