

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062284.D
 Acq On : 13 May 2019 4:13
 Operator : FY/SY
 Sample : K2719-13
 Misc : 5.18g/5mL/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS010-0002-01RE

Quant Time: May 13 08:36:28 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	448807	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.23	114	564082	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	354323	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	106997	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	231636	55.54	ug/l	0.05
Spiked Amount 50.000			Recovery	=	111.08%	
35) Dibromofluoromethane	6.94	113	255271	54.54	ug/l	0.05
Spiked Amount 50.000			Recovery	=	109.08%	
50) Toluene-d8	10.43	98	483307	42.83	ug/l	0.03
Spiked Amount 50.000			Recovery	=	85.66%	
62) 4-Bromofluorobenzene	13.57	95	138732	30.62	ug/l	0.02
Spiked Amount 50.000			Recovery	=	61.24%	

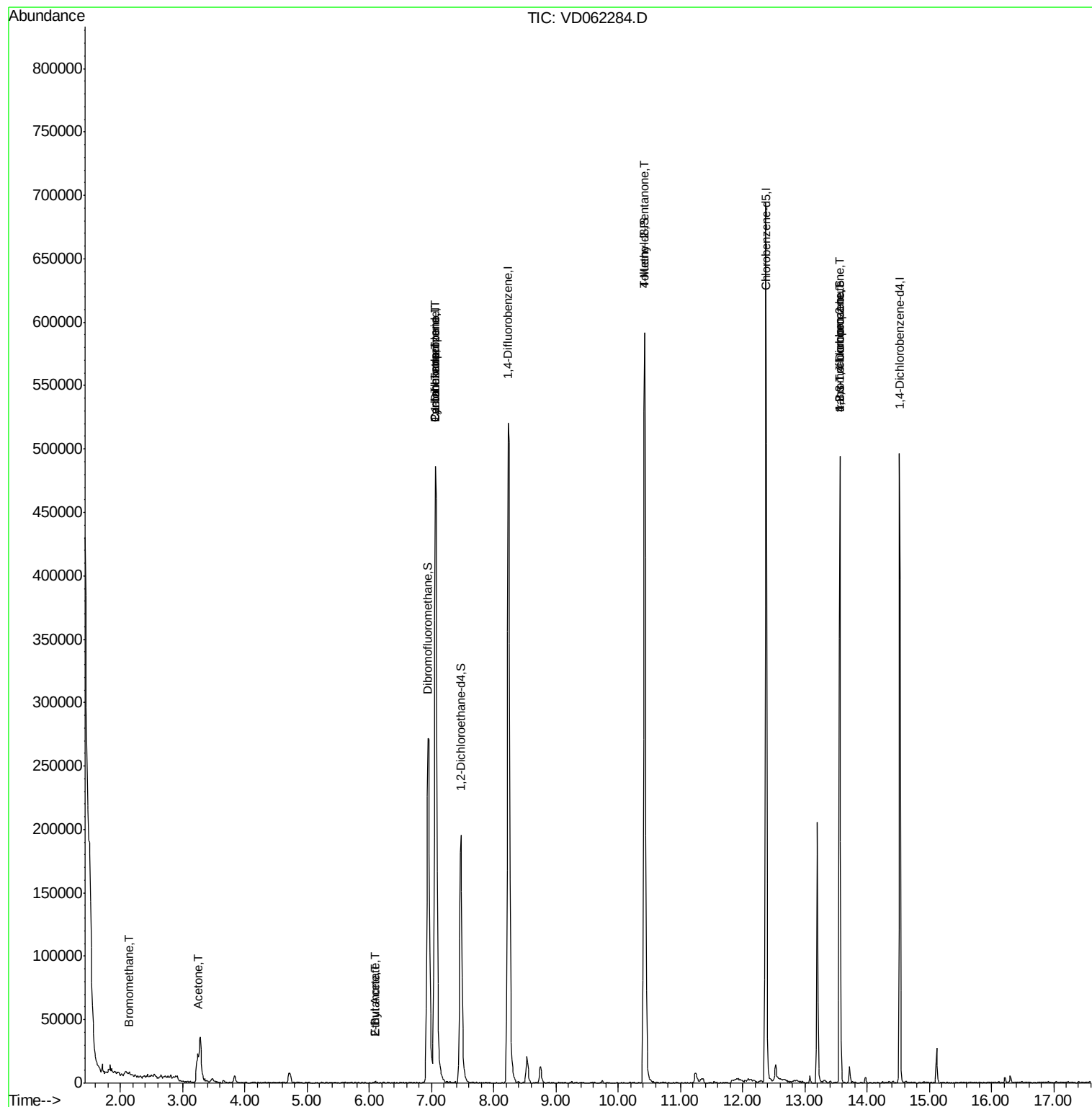
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	844	1.182	ug/l #	12
16) Acetone	3.24	43	42967	49.124	ug/l #	89
25) 2-Butanone	6.10	43	2671	2.800	ug/l #	56
31) Cyclohexane	7.06	56	9767	2.232	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	35959	7.775	ug/l #	48
37) Ethyl Acetate	6.10	43	2671	1.362	ug/l #	64
38) Carbon Tetrachloride	7.06	117	46580	7.277	ug/l #	18
51) 4-Methyl-2-Pentanone	10.43	43	2556	1.429	ug/l #	1
76) 1,2,3-Trichloropropane	13.57	75	55176	43.392	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.57	75	61119	170.261	ug/l #	16

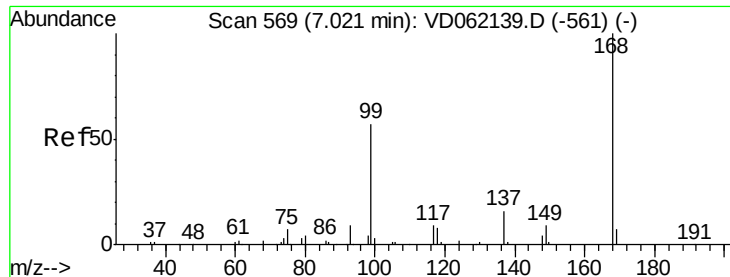
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051219\
Data File : VD062284.D
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Quant Time: May 13 08:36:28 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: VD062284.D

Acq: 13 May 2019 4:13

Instrument :

MSVOA_D

ClientSampleId :

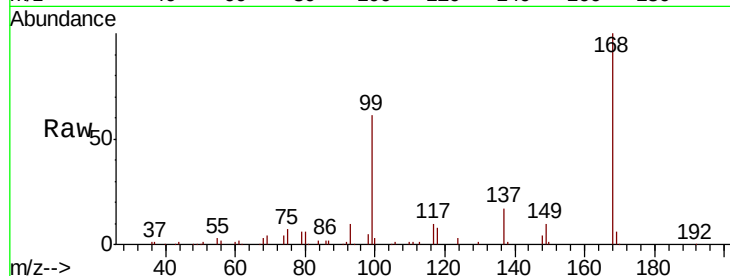
P026-SS010-0002-01RE

Tot Ion:168 Resp: 448807

Ion Ratio Lower Upper

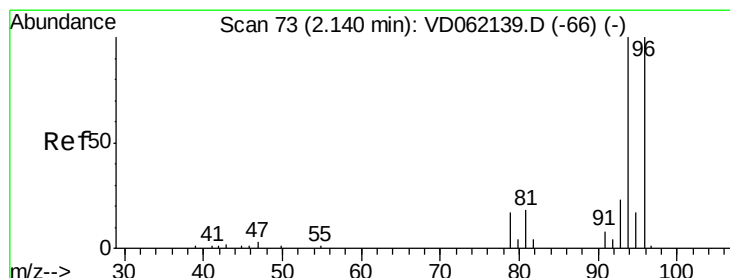
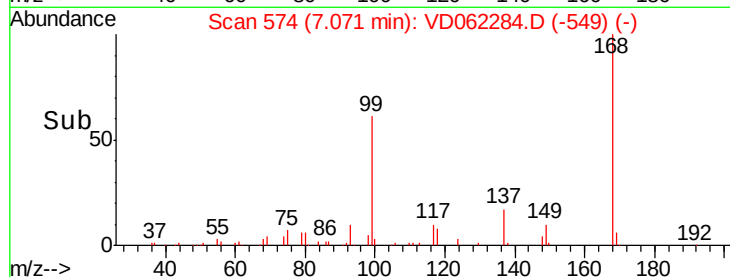
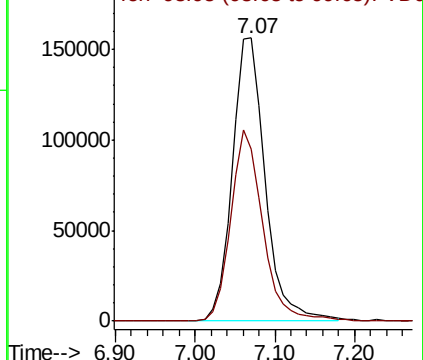
168 100

99 60.7 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: 1.182 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062284.D

Acq: 13 May 2019 4:13

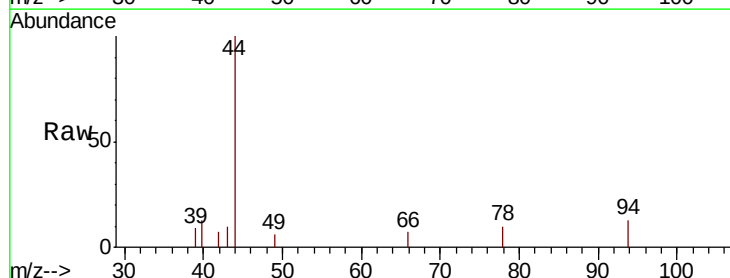
Tgt Ion: 94 Resp: 844

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

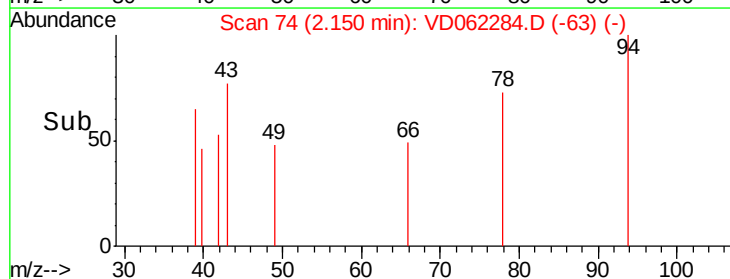
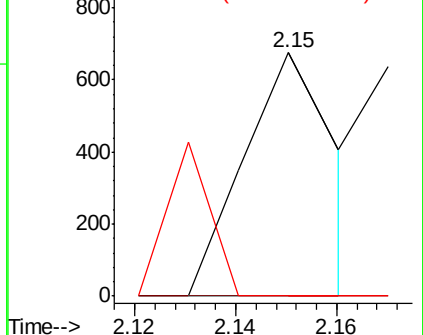
93 0.0 18.5 27.7#

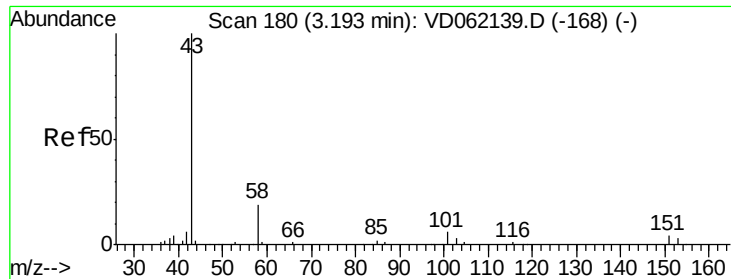


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 49.124 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.05 min

Lab File: VD062284.D

Acq: 13 May 2019 4:13

Instrument :

MSVOA_D

ClientSampleId :

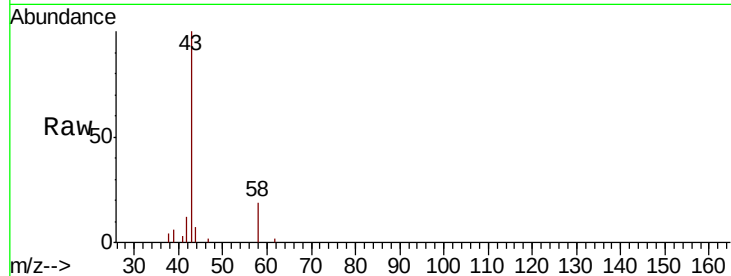
P026-SS010-0002-01RE

Tot Ion: 43 Resp: 42967

Ion Ratio Lower Upper

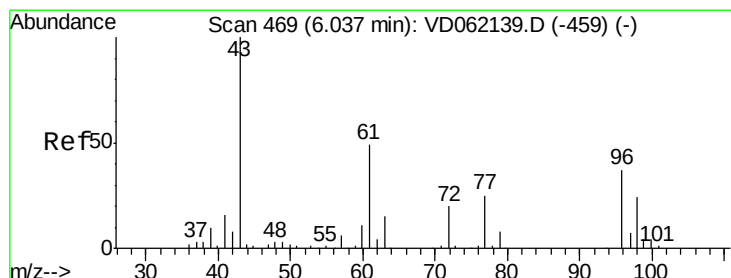
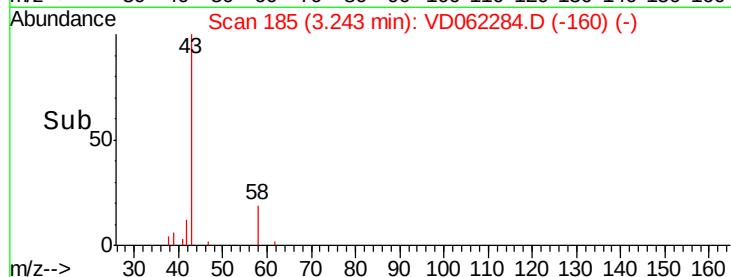
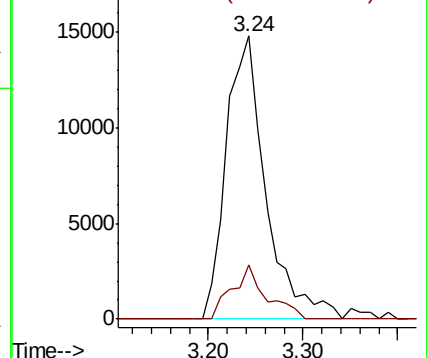
43 100

58 19.4 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#25

2-Butanone

Concen: 2.800 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.06 min

Lab File: VD062284.D

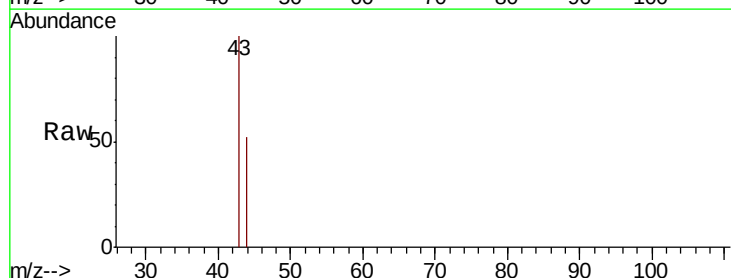
Acq: 13 May 2019 4:13

Tgt Ion: 43 Resp: 2671

Ion Ratio Lower Upper

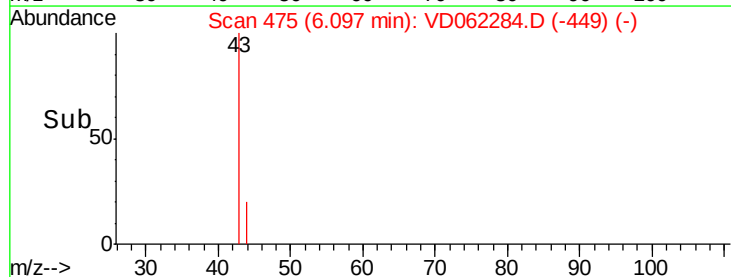
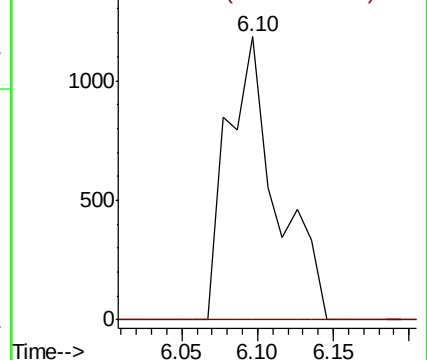
43 100

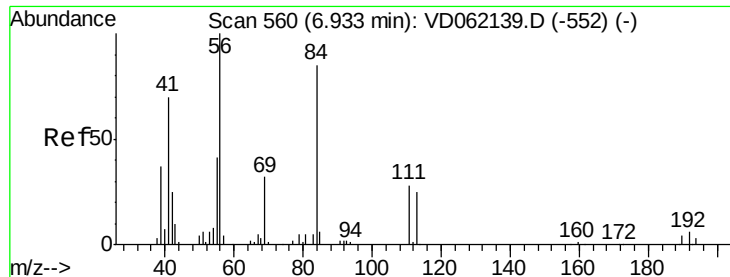
72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 2.232 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.13 min

Lab File: VD062284.D

Acq: 13 May 2019 4:13

Instrument :

MSVOA_D

ClientSampleId :

P026-SS010-0002-01RE

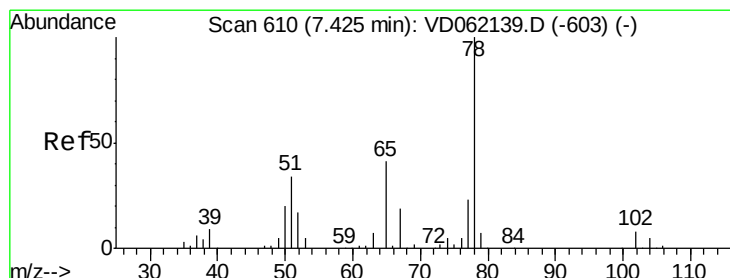
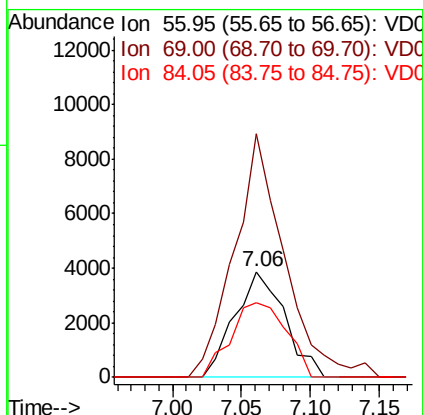
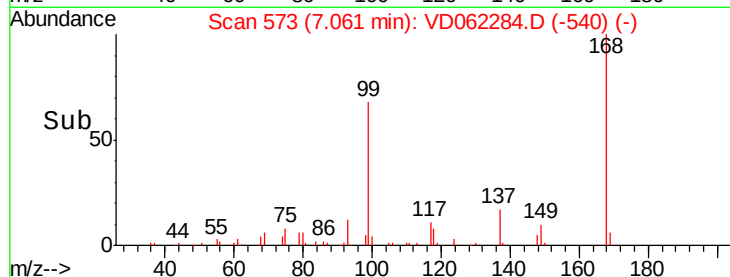
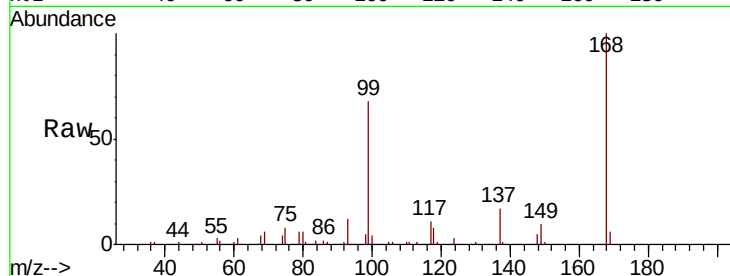
Tot Ion: 56 Resp: 9767

Ion Ratio Lower Upper

56 100

69 230.1 25.8 38.6#

84 70.5 72.2 108.4#



#33

1,2-Dichloroethane-d4

Concen: 55.537 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062284.D

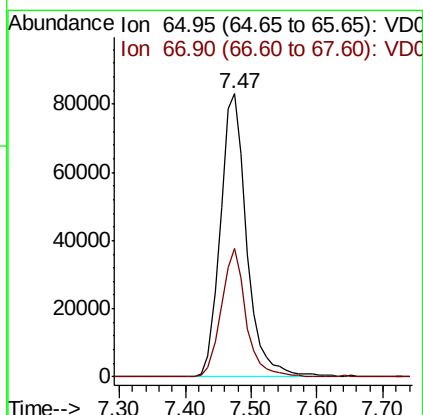
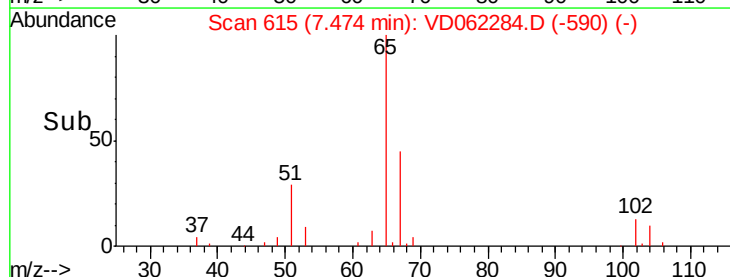
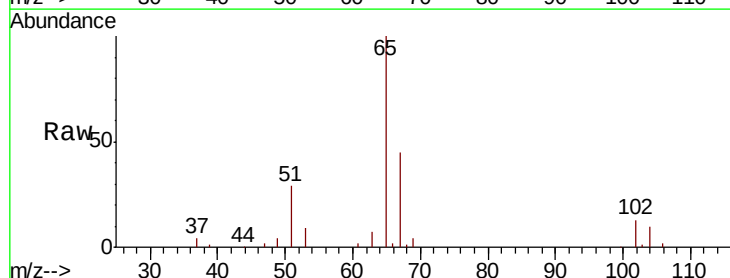
Acq: 13 May 2019 4:13

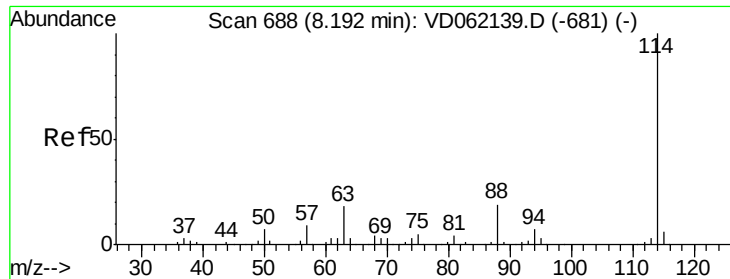
Tgt Ion: 65 Resp: 231636

Ion Ratio Lower Upper

65 100

67 45.3 0.0 98.0

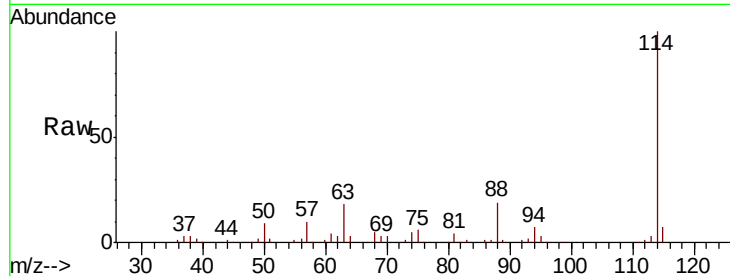




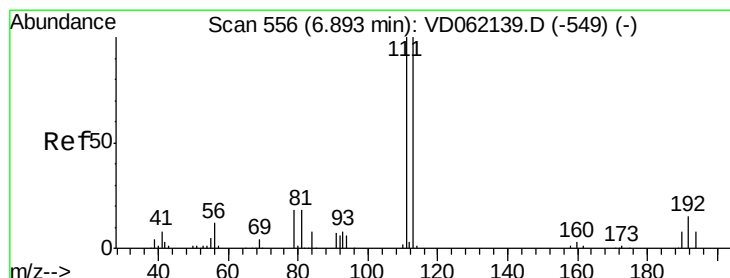
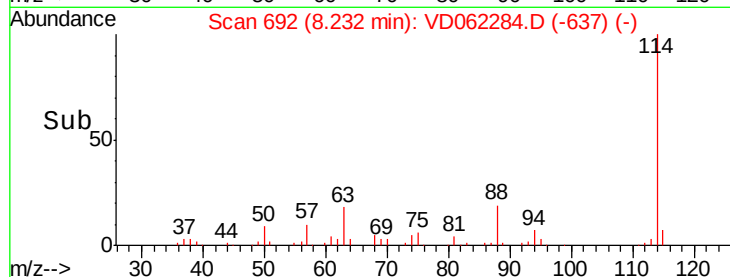
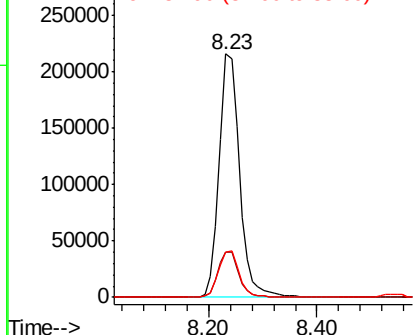
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062284.D
 Acq: 13 May 2019 4:13

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS010-0002-01RE

Tot Ion:114 Resp: 564082
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 32.4
 88 18.6 0.0 33.6

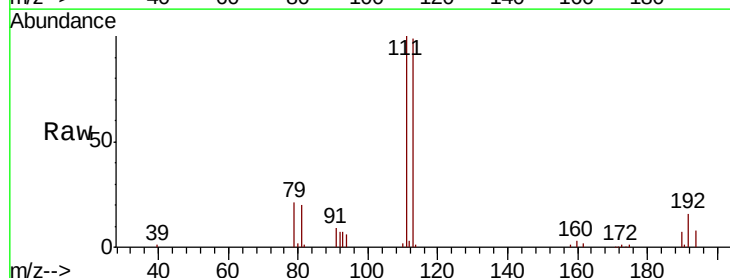


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

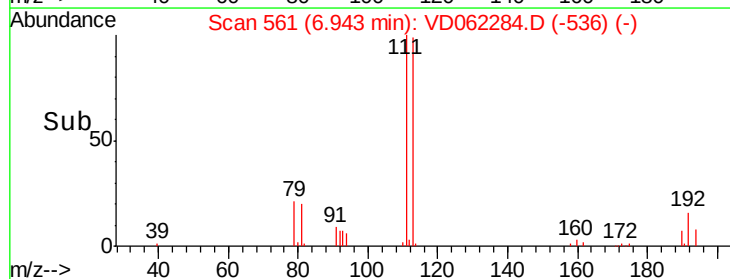
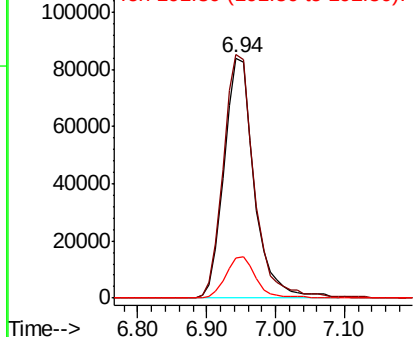


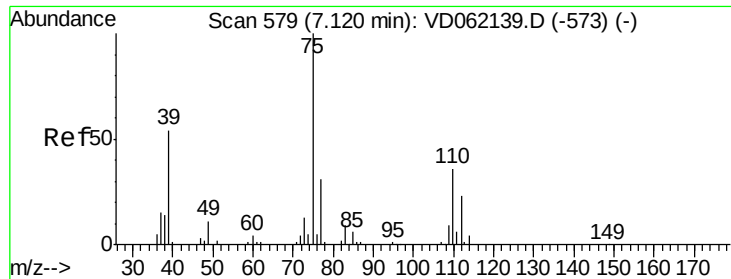
#35
 Dibromofluoromethane
 Concen: 54.542 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062284.D
 Acq: 13 May 2019 4:13

Tgt Ion:113 Resp: 255271
 Ion Ratio Lower Upper
 113 100
 111 101.4 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

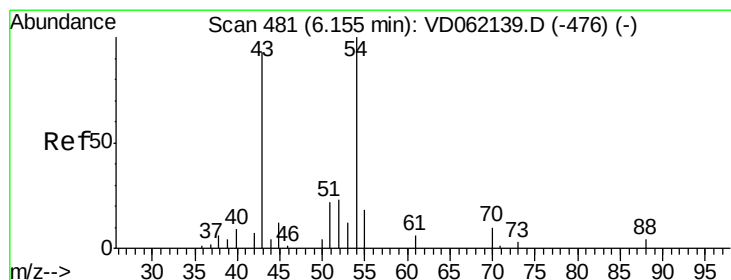
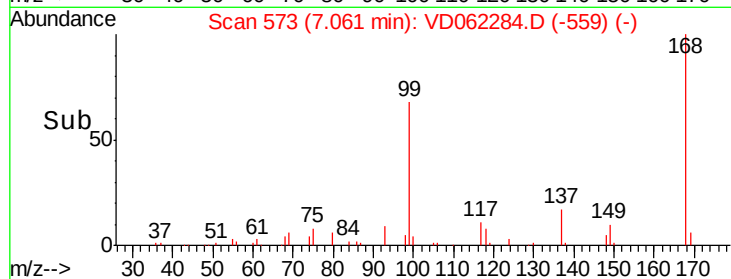
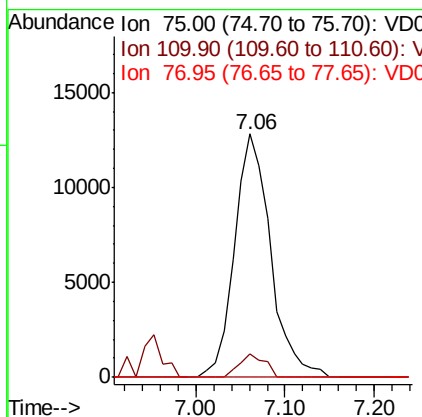
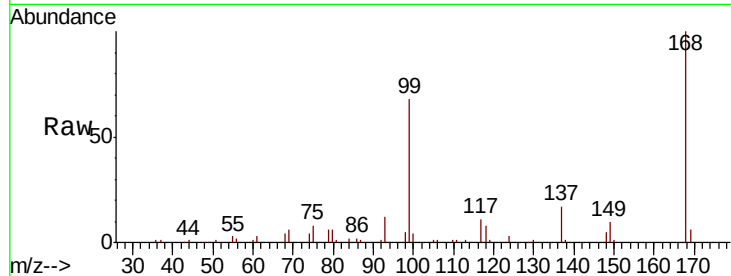




#36
 1,1-Dichloropropene
 Concen: 7.775 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.06 min
 Lab File: VD062284.D
 Acq: 13 May 2019 4:13

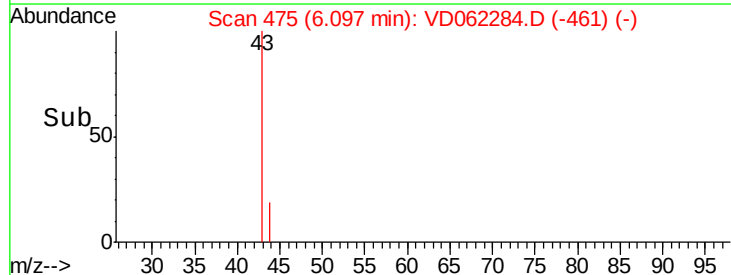
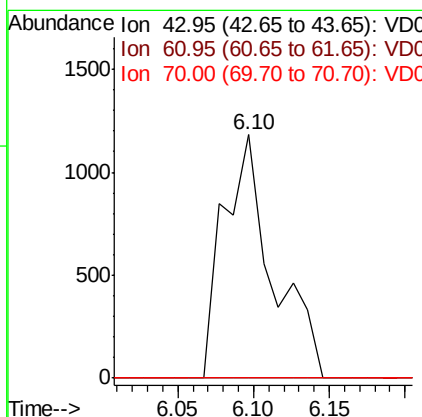
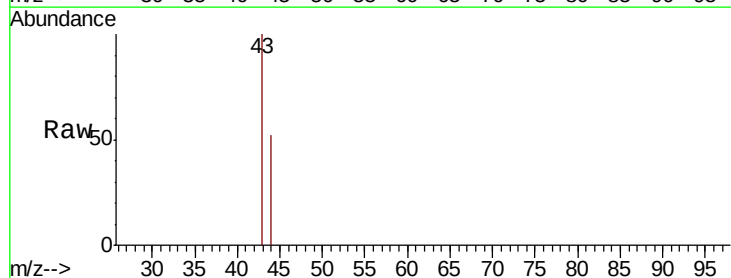
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS010-0002-01RE

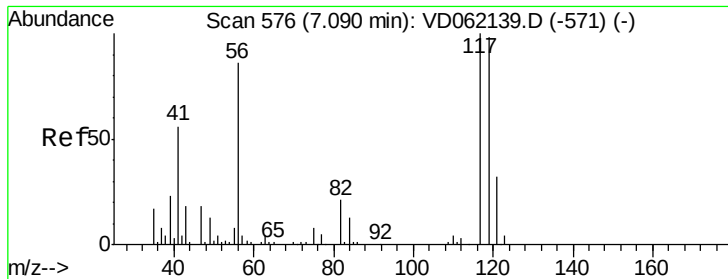
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	19.1	57.1#
77	0.0	25.6	38.4#



#37
 Ethyl Acetate
 Concen: 1.362 ug/l
 RT: 6.10 min Scan# 475
 Delta R.T. -0.06 min
 Lab File: VD062284.D
 Acq: 13 May 2019 4:13

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	14.7	22.1#
70	0.0	7.8	11.6#

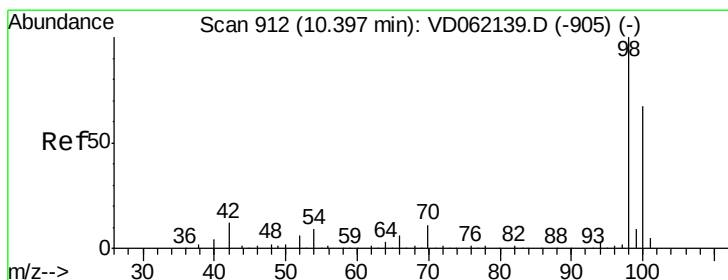
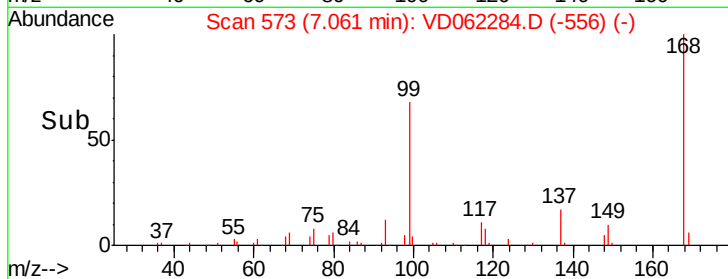
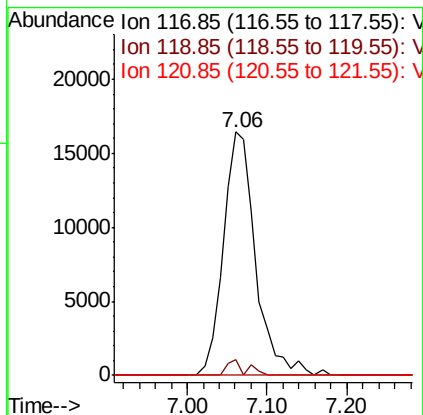
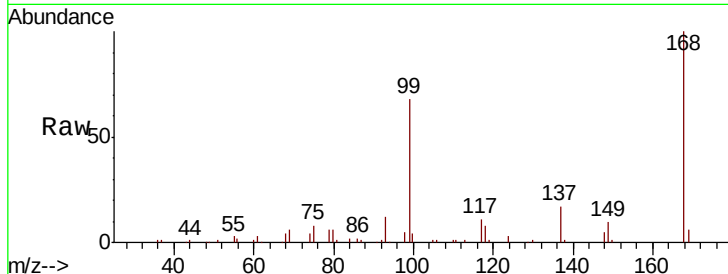




#38
Carbon Tetrachloride
Concen: 7.277 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.03 min
Lab File: VD062284.D
Acq: 13 May 2019 4:13

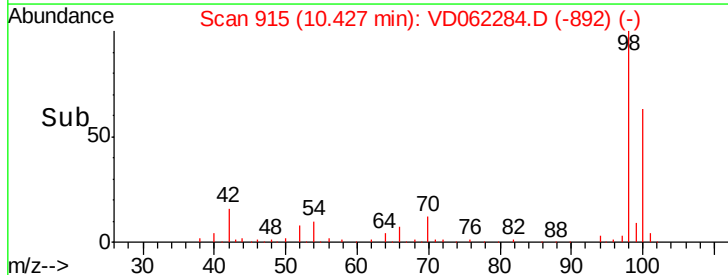
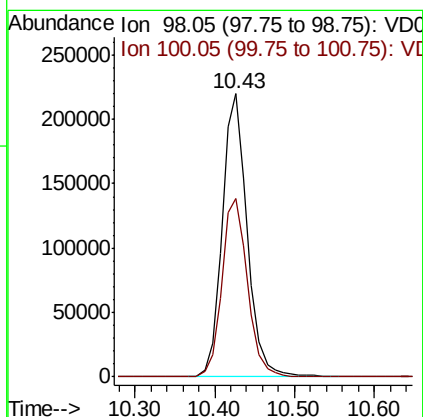
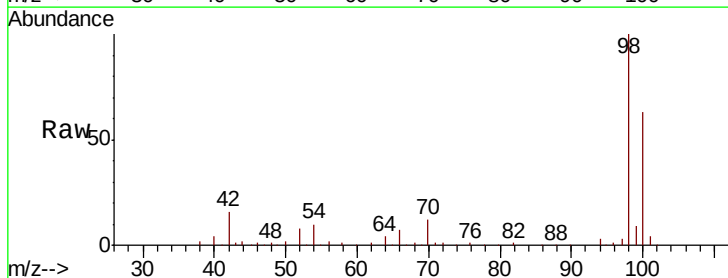
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MSVOA_D
ClientSampleId :
P026-SS010-0002-01RE

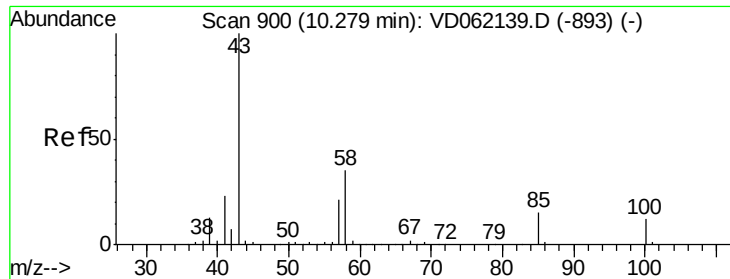
Tot Ion:117 Resp: 46580
Ion Ratio Lower Upper
117 100
119 6.7 75.8 113.8#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 42.830 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062284.D
Acq: 13 May 2019 4:13

Tgt Ion: 98 Resp: 483307
Ion Ratio Lower Upper
98 100
100 63.2 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 1.429 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.15 min

Lab File: VD062284.D

Acq: 13 May 2019 4:13

Instrument :

MSVOA_D

ClientSampleId :

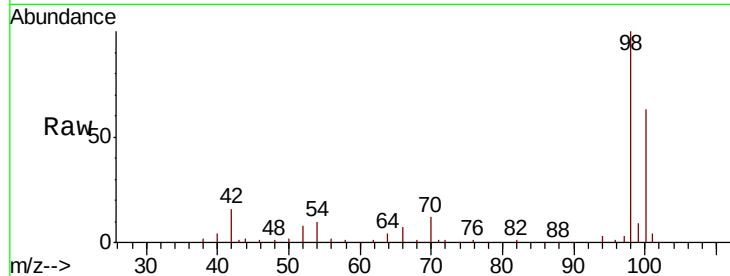
P026-SS010-0002-01RE

Tot Ion: 43 Resp: 2556

Ion Ratio Lower Upper

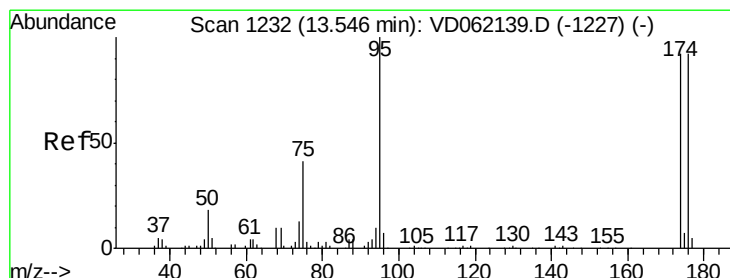
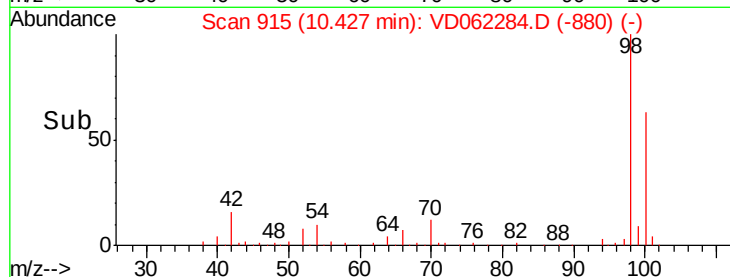
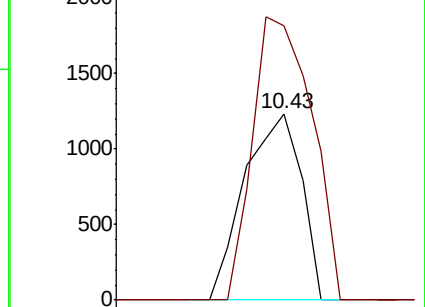
43 100

58 147.6 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: 30.616 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062284.D

Acq: 13 May 2019 4:13

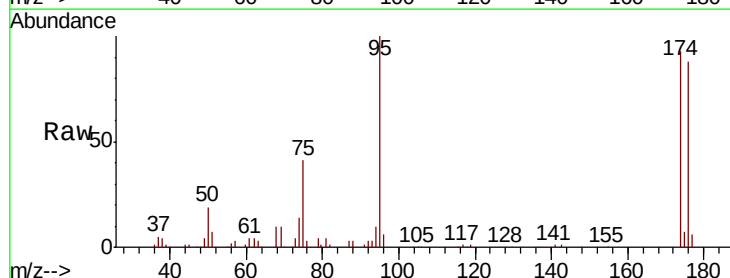
Tgt Ion: 95 Resp: 138732

Ion Ratio Lower Upper

95 100

174 93.1 0.0 181.8

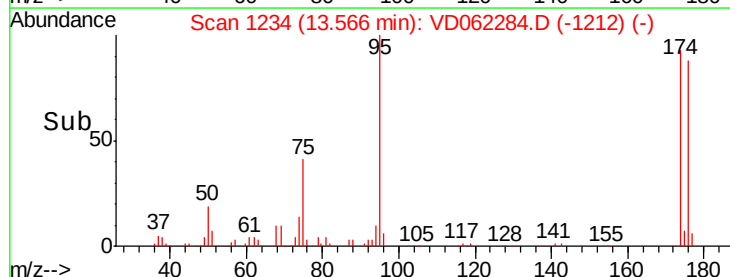
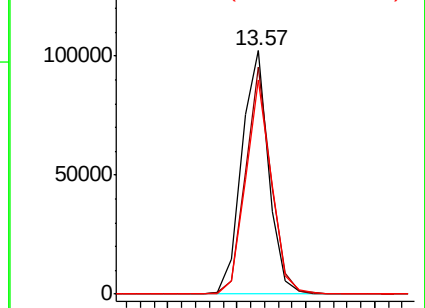
176 87.7 0.0 174.4

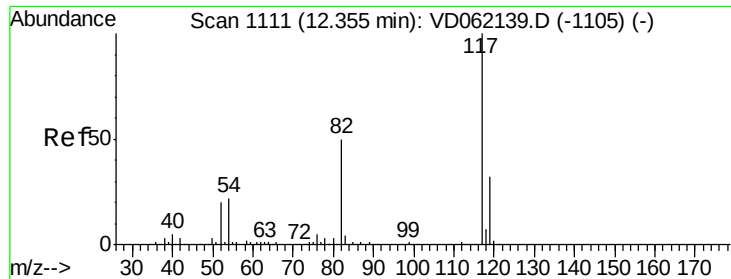


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

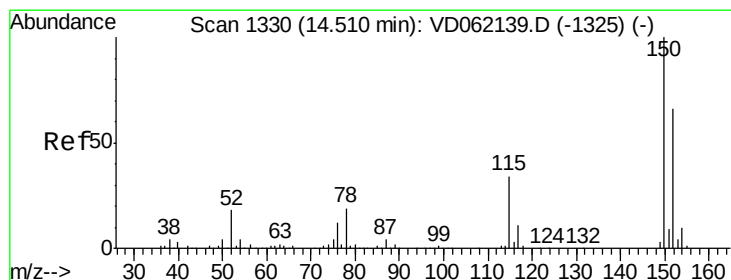
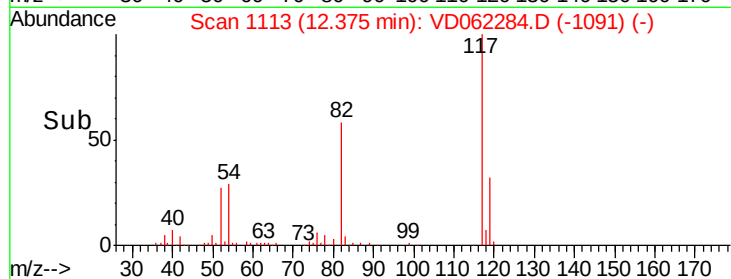
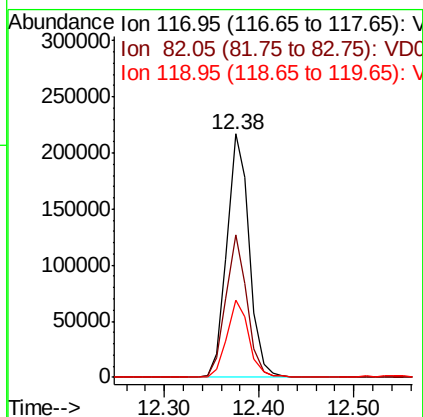
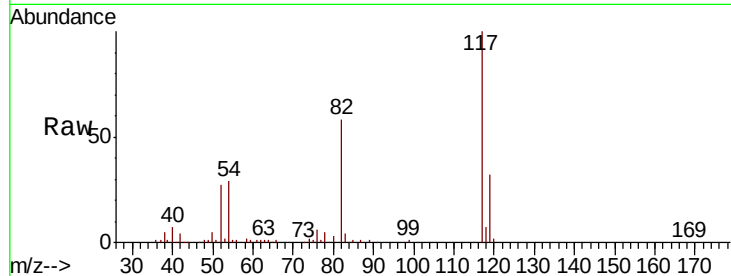




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062284.D
Acq: 13 May 2019 4:13

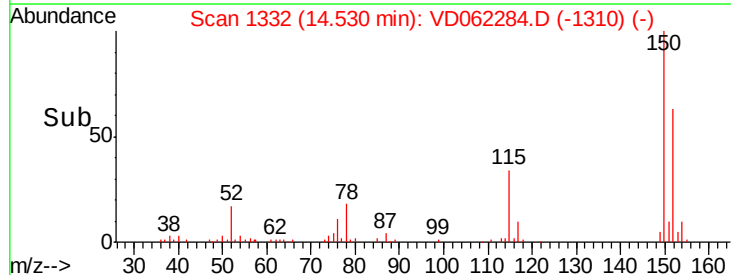
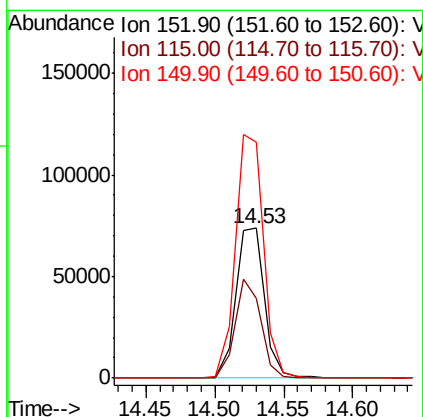
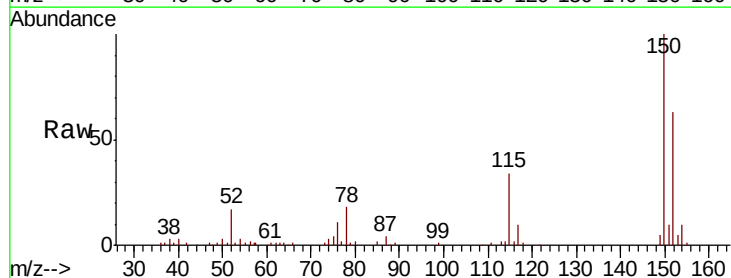
Instrument :
MSVOA_D
ClientSampleId :
P026-SS010-0002-01RE

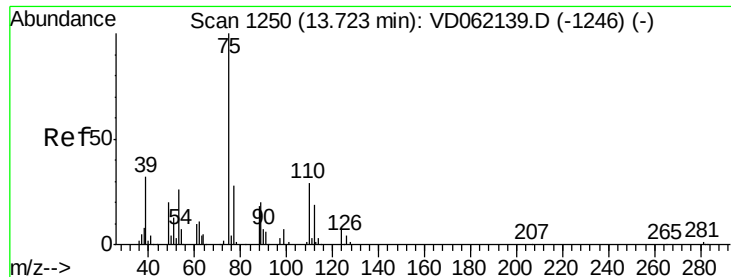
Tot Ion:117 Resp: 354323
Ion Ratio Lower Upper
117 100
82 58.4 36.2 54.2#
119 31.8 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD062284.D
Acq: 13 May 2019 4:13

Tgt Ion:152 Resp: 106997
Ion Ratio Lower Upper
152 100
115 53.3 30.9 92.7
150 157.7 0.0 314.8





#76

1,2,3-Trichloropropane

Concen: 43.392 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062284.D

Acq: 13 May 2019 4:13

Instrument :

MSVOA_D

ClientSampleId :

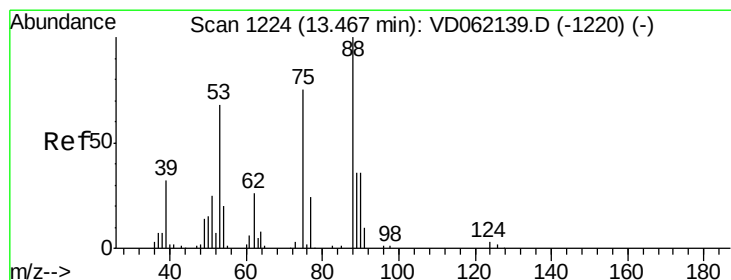
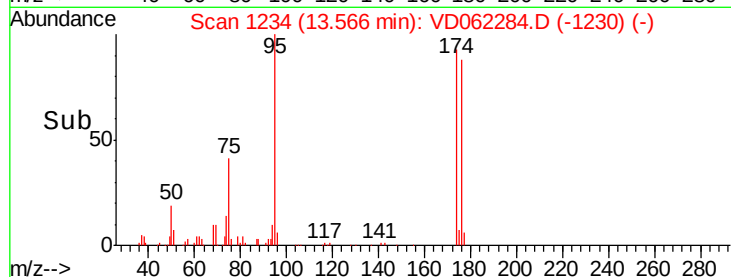
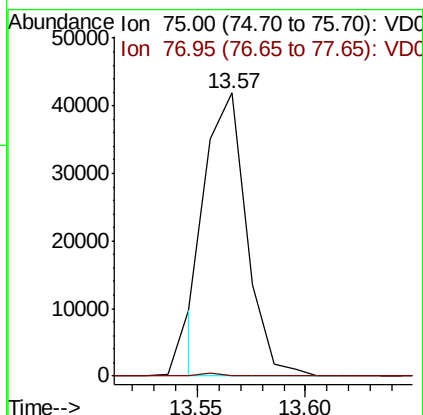
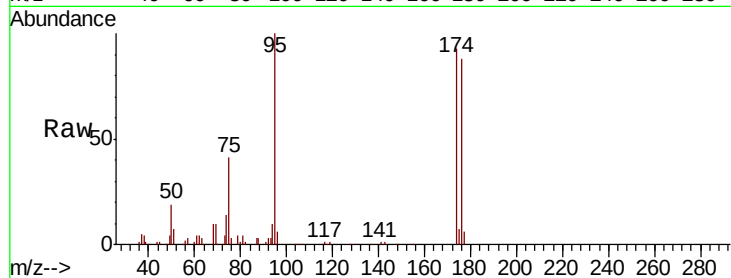
P026-SS010-0002-01RE

Tot Ion: 75 Resp: 55176

Ion Ratio Lower Upper

75 100

77 0.0 16.4 49.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 170.261 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062284.D

Acq: 13 May 2019 4:13

Tgt Ion: 75 Resp: 61119

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

