

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062330.D
 Acq On : 14 May 2019 4:21
 Operator : FY/SY
 Sample : K2735-08
 Misc : 4.34g/5mL/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS016-0002-01

Quant Time: May 14 05:16:03 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	540027	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	741624	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	509822	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	185401	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	257967	51.40	ug/l	0.05
Spiked Amount 50.000			Recovery	=	102.80%	
35) Dibromofluoromethane	6.95	113	315064	51.20	ug/l	0.06
Spiked Amount 50.000			Recovery	=	102.40%	
50) Toluene-d8	10.43	98	479956	32.35	ug/l	0.03
Spiked Amount 50.000			Recovery	=	64.70%	
62) 4-Bromofluorobenzene	13.57	95	183300	30.77	ug/l	0.02
Spiked Amount 50.000			Recovery	=	61.54%	

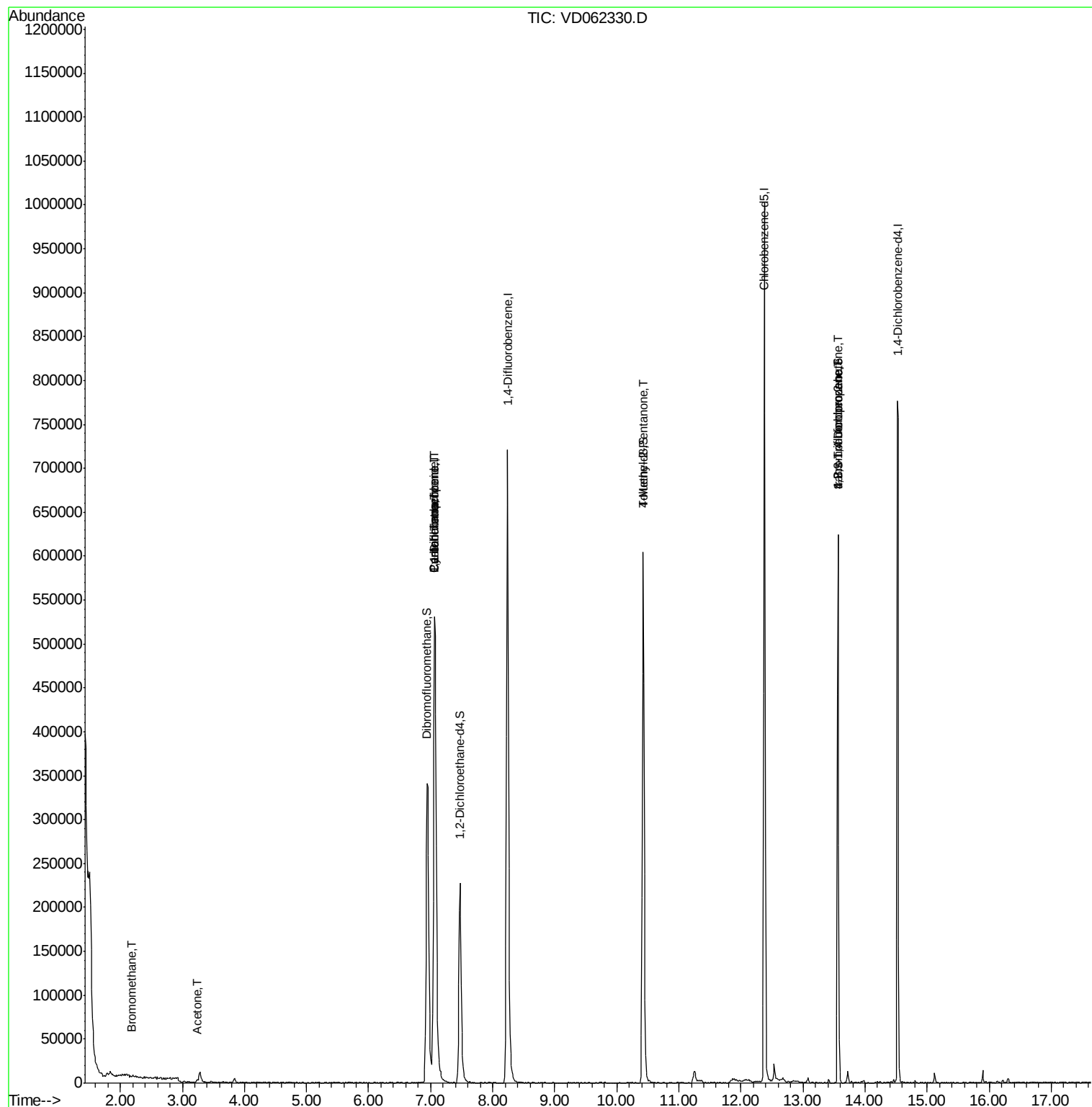
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	1964	2.285	ug/l #	12
16) Acetone	3.24	43	7709	7.325	ug/l #	72
31) Cyclohexane	7.06	56	12719	2.416	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	43441	7.144	ug/l #	47
38) Carbon Tetrachloride	7.06	117	55619	6.609	ug/l #	18
51) 4-Methyl-2-Pentanone	10.43	43	2416	1.028	ug/l #	1
76) 1,2,3-Trichloropropane	13.57	75	71644	32.516	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.57	75	77747	124.992	ug/l #	16

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

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Quant Title : SW846 8260
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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: VD062330.D

Acq: 14 May 2019 4:21

Instrument :

MSVOA_D

ClientSampleId :

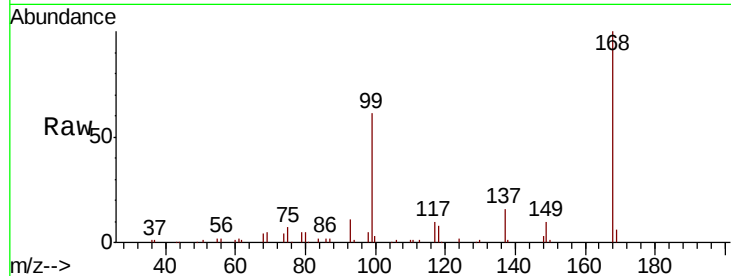
P026-SS016-0002-01

Tot Ion:168 Resp: 540027

Ion Ratio Lower Upper

168 100

99 60.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

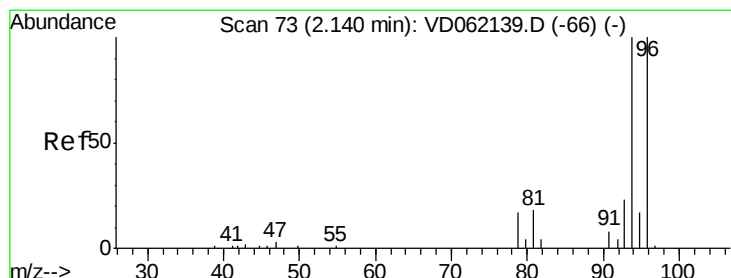
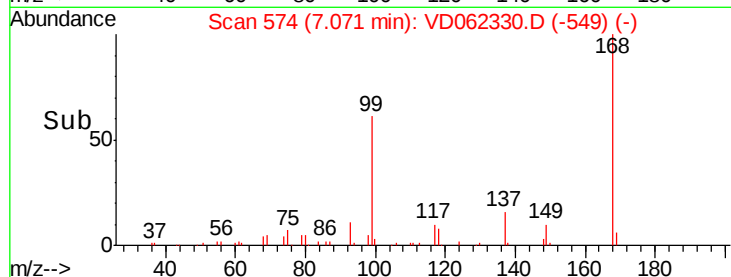
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 2.285 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.04 min

Lab File: VD062330.D

Acq: 14 May 2019 4:21

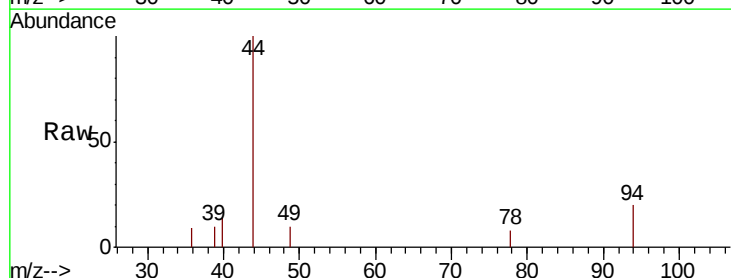
Tgt Ion: 94 Resp: 1964

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

2.18

1200

1000

800

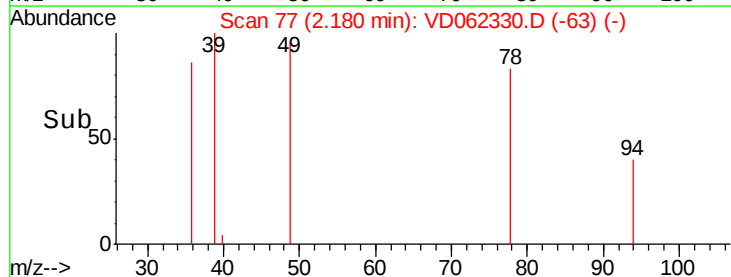
600

400

200

0

Time--> 2.15 2.20





#16

Acetone

Concen: 7.325 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.05 min

Lab File: VD062330.D

Acq: 14 May 2019 4:21

Instrument :

MSVOA_D

ClientSampleId :

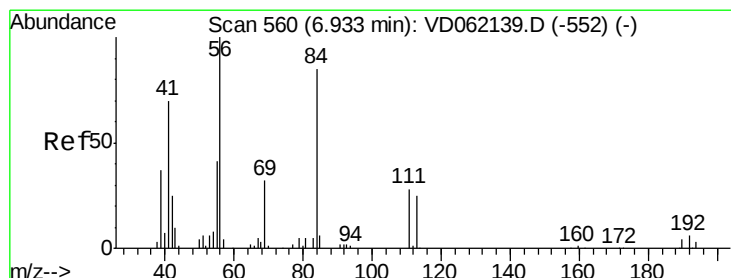
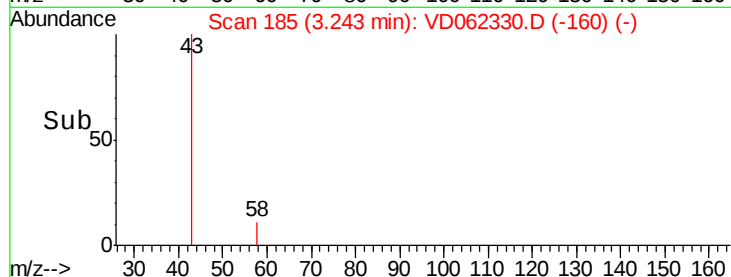
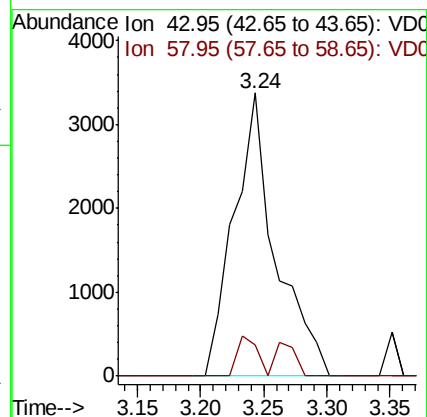
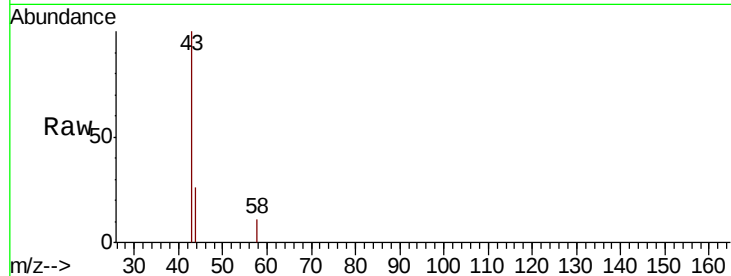
P026-SS016-0002-01

Tot Ion: 43 Resp: 7709

Ion Ratio Lower Upper

43 100

58 11.1 19.9 29.9#



#31

Cyclohexane

Concen: 2.416 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.13 min

Lab File: VD062330.D

Acq: 14 May 2019 4:21

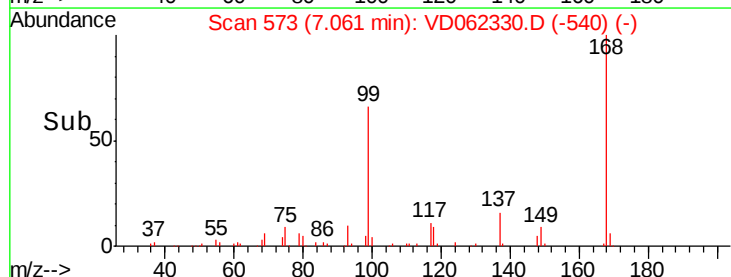
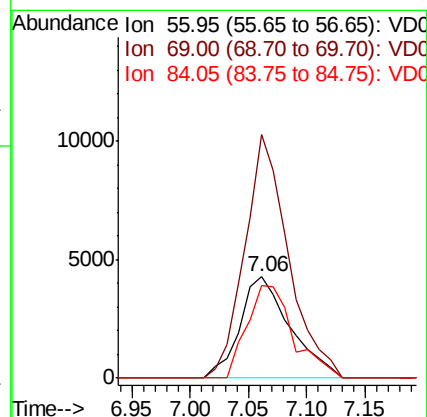
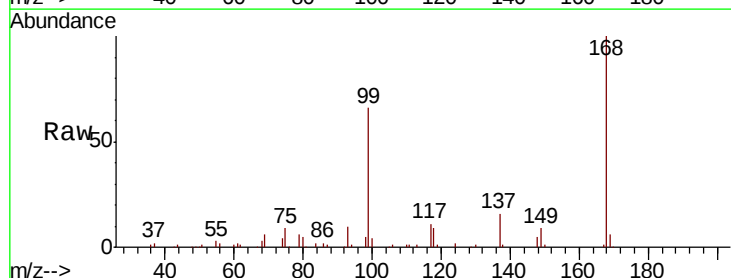
Tgt Ion: 56 Resp: 12719

Ion Ratio Lower Upper

56 100

69 240.6 25.8 38.6#

84 91.1 72.2 108.4





#33

1,2-Dichloroethane-d4

Concen: 51.403 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062330.D

Acq: 14 May 2019 4:21

Instrument :

MSVOA_D

ClientSampleId :

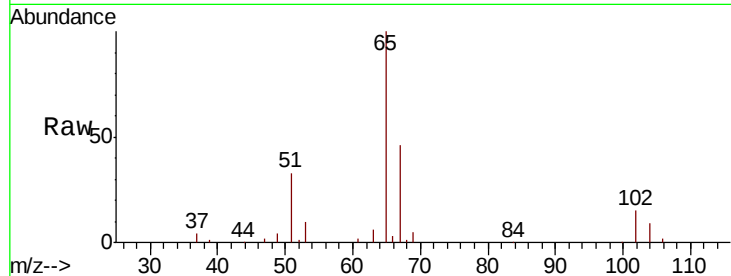
P026-SS016-0002-01

Tot Ion: 65 Resp: 257967

Ion Ratio Lower Upper

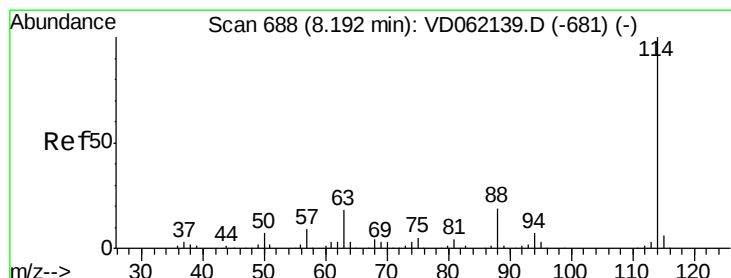
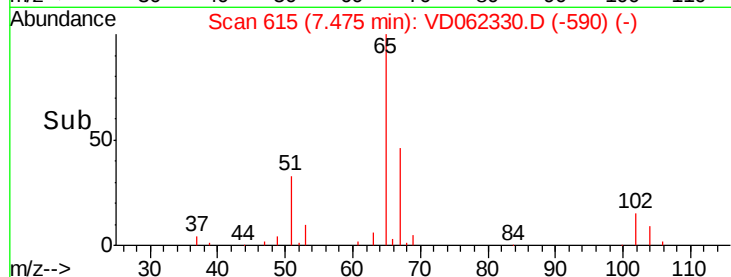
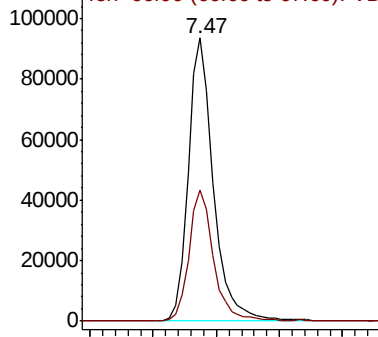
65 100

67 46.2 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: 8.24 min Scan# 693

Delta R.T. 0.05 min

Lab File: VD062330.D

Acq: 14 May 2019 4:21

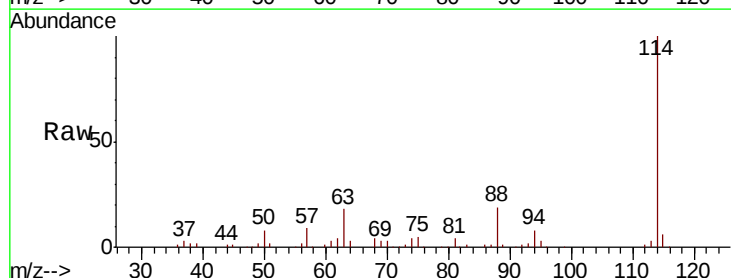
Tgt Ion: 114 Resp: 741624

Ion Ratio Lower Upper

114 100

63 17.9 0.0 32.4

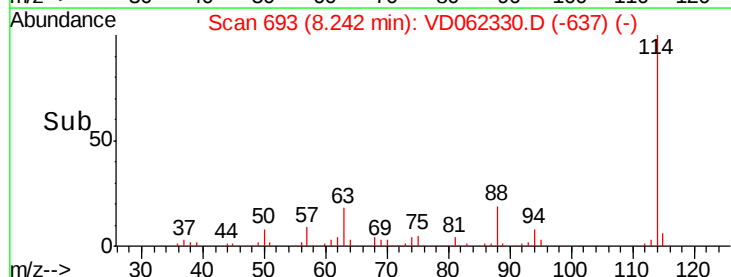
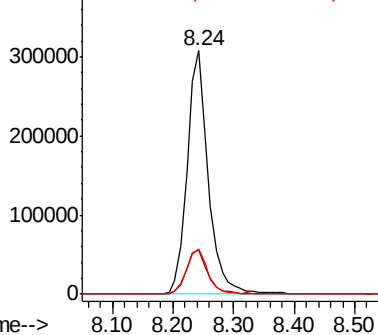
88 18.8 0.0 33.6

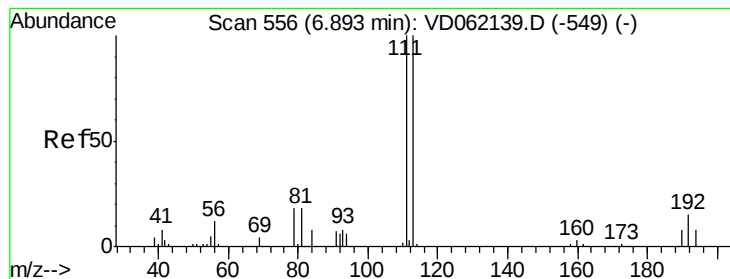


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 51.202 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.06 min

Lab File: VD062330.D

Acq: 14 May 2019 4:21

Instrument :

MSVOA_D

ClientSampleId :

P026-SS016-0002-01

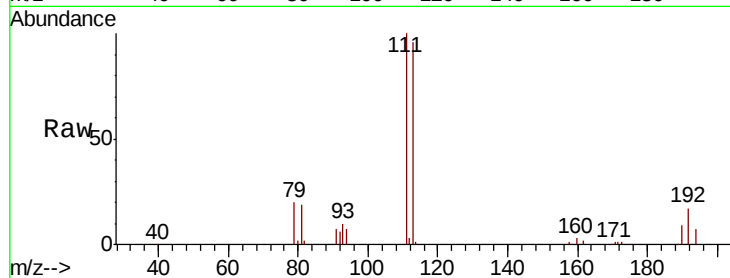
Tot Ion:113 Resp: 315064

Ion Ratio Lower Upper

113 100

111 104.1 78.5 117.7

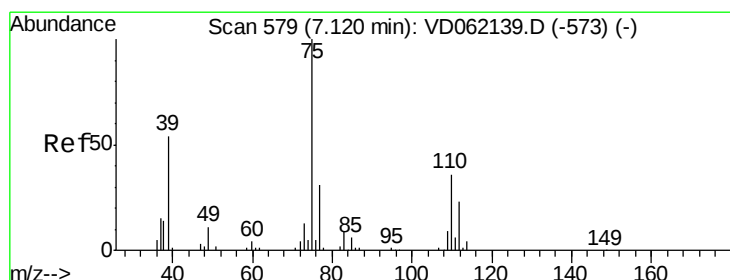
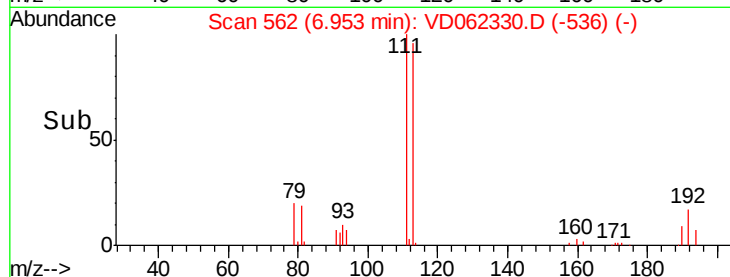
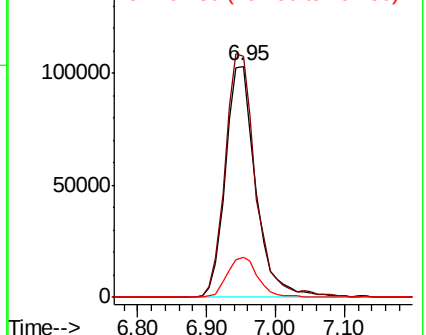
192 17.2 13.0 19.4



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: 7.144 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.06 min

Lab File: VD062330.D

Acq: 14 May 2019 4:21

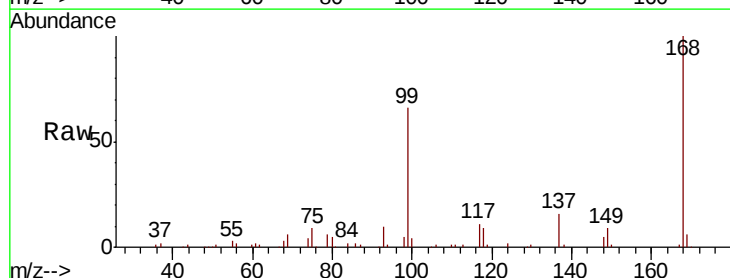
Tgt Ion: 75 Resp: 43441

Ion Ratio Lower Upper

75 100

110 8.4 19.1 57.1#

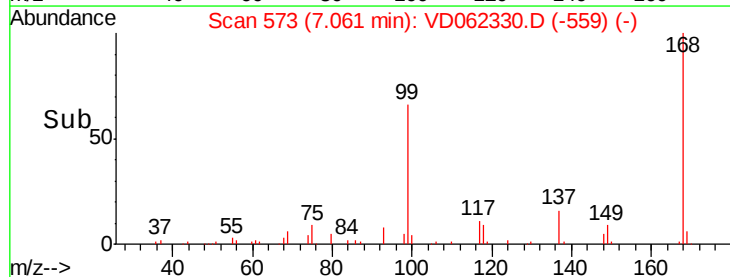
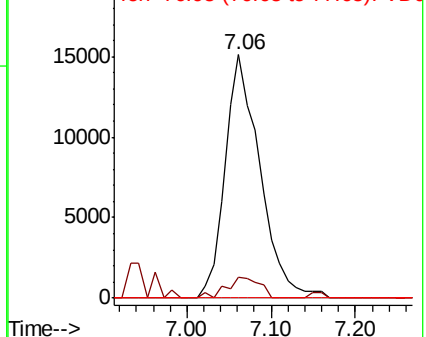
77 0.0 25.6 38.4#

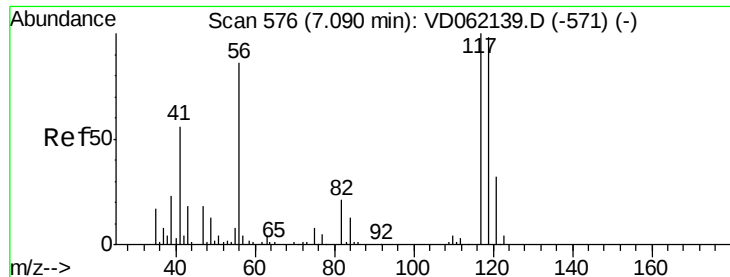


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

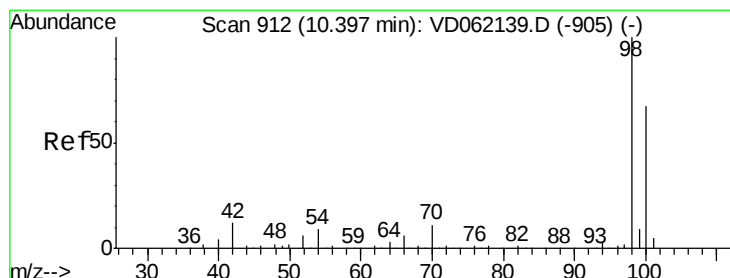
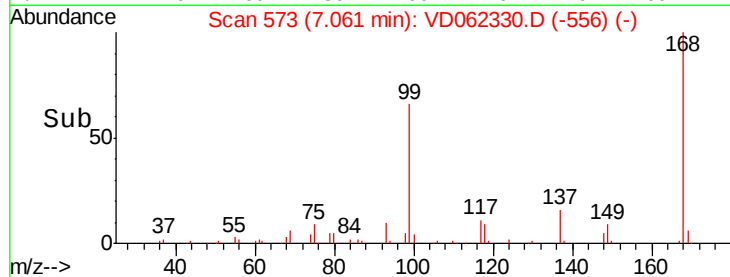
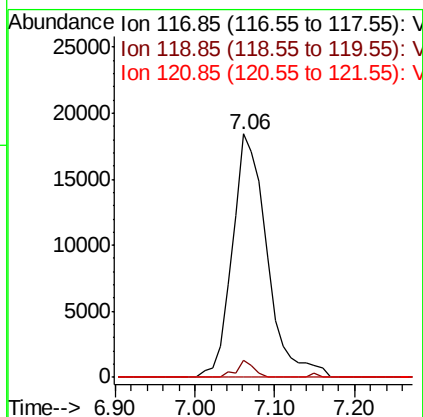
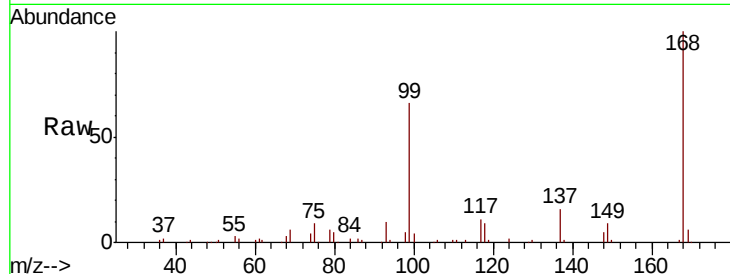




#38
Carbon Tetrachloride
Concen: 6.609 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.03 min
Lab File: VD062330.D
Acq: 14 May 2019 4:21

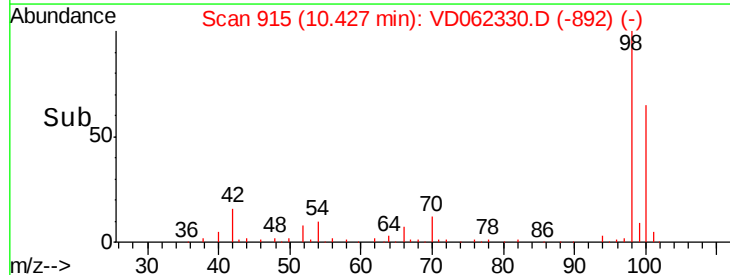
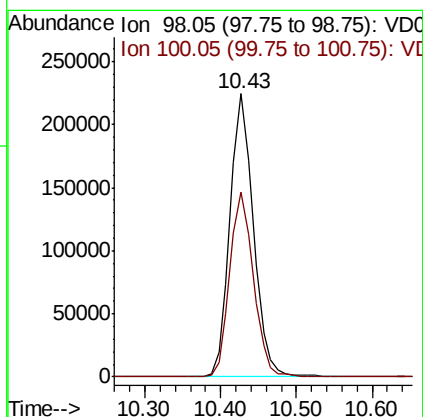
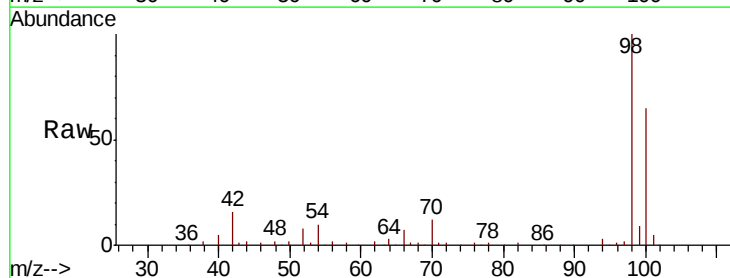
Instrument :
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P026-SS016-0002-01

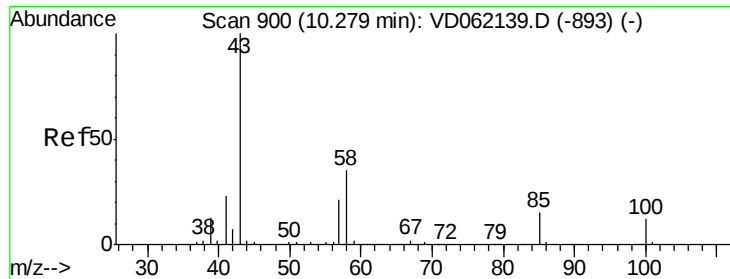
Tot Ion:117 Resp: 55619
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.8#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 32.350 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062330.D
Acq: 14 May 2019 4:21

Tgt Ion: 98 Resp: 479956
Ion Ratio Lower Upper
98 100
100 65.2 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 1.028 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.15 min

Lab File: VD062330.D

Acq: 14 May 2019 4:21

Instrument :

MSVOA_D

ClientSampleId :

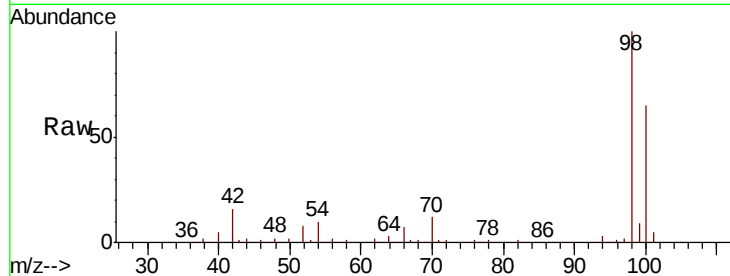
P026-SS016-0002-01

Tot Ion: 43 Resp: 2416

Ion Ratio Lower Upper

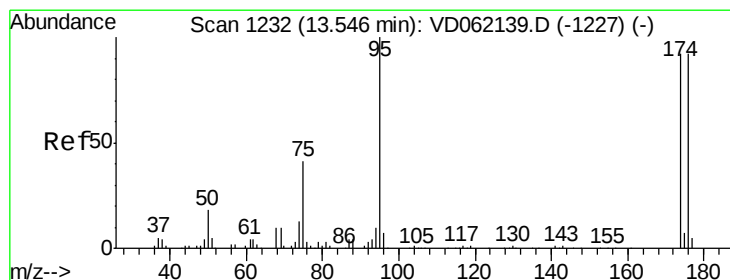
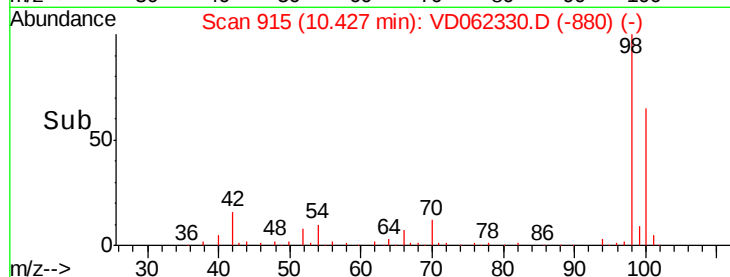
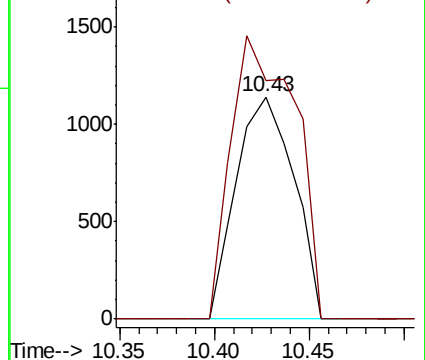
43 100

58 107.0 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: 30.767 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062330.D

Acq: 14 May 2019 4:21

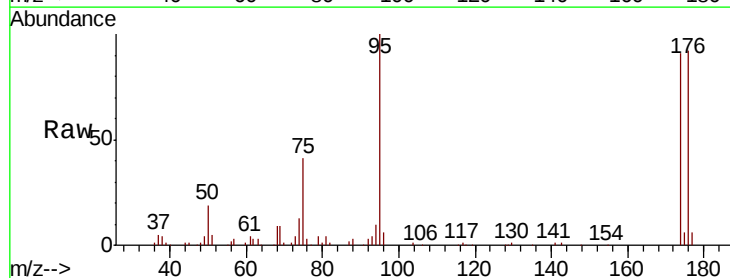
Tgt Ion: 95 Resp: 183300

Ion Ratio Lower Upper

95 100

174 91.0 0.0 181.8

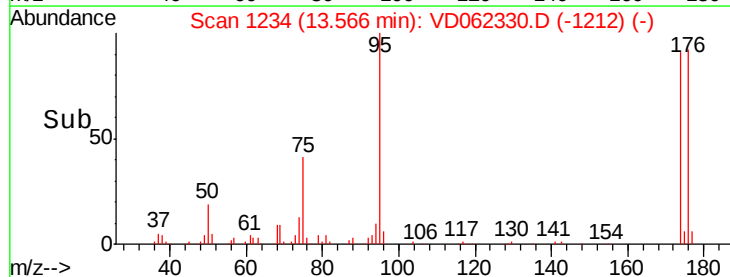
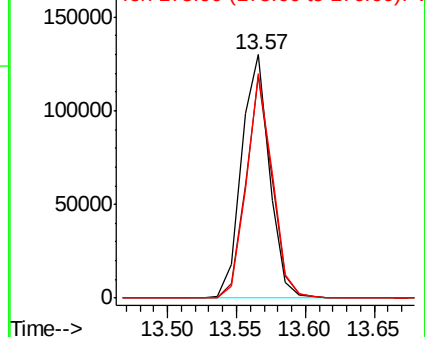
176 92.1 0.0 174.4

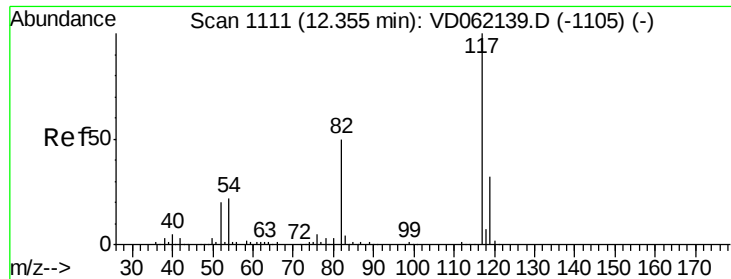


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

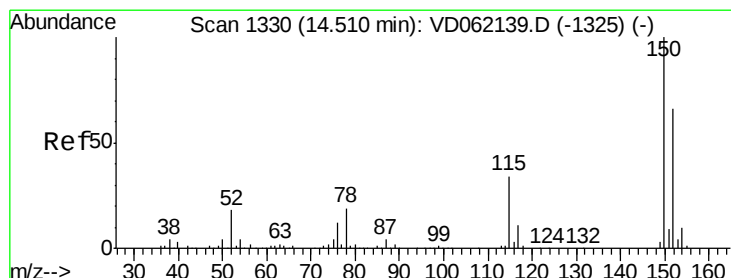
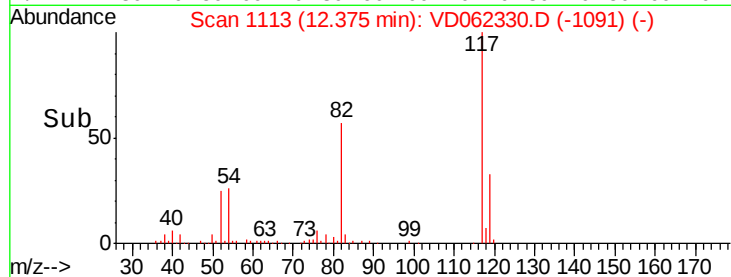
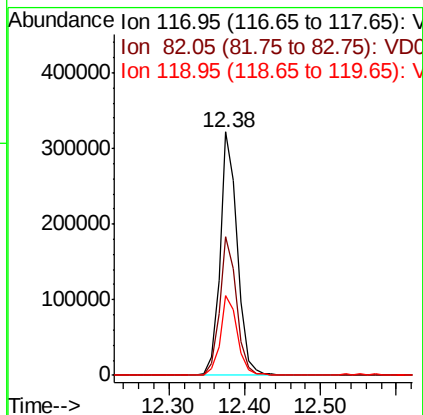
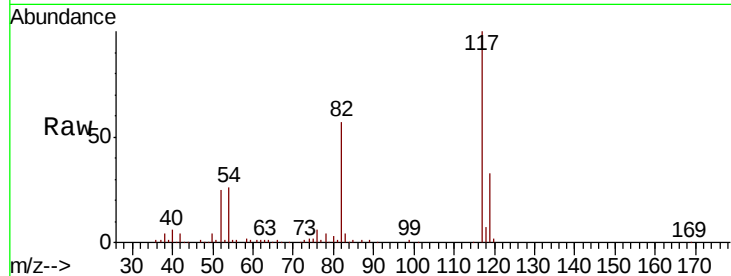




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062330.D
Acq: 14 May 2019 4:21

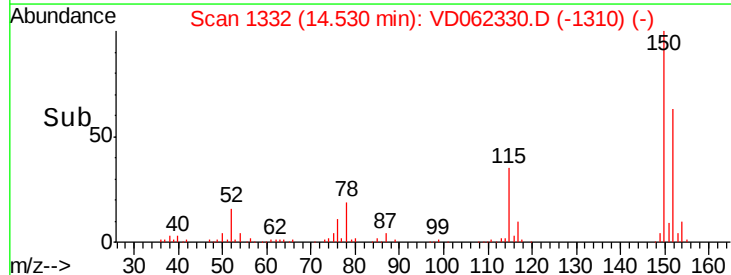
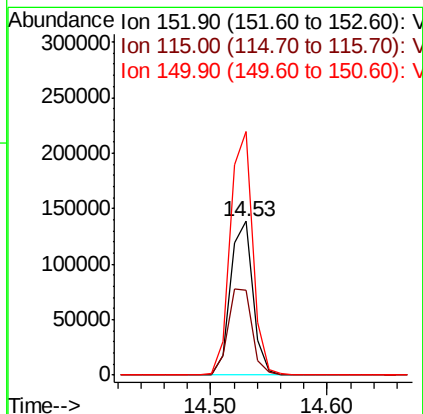
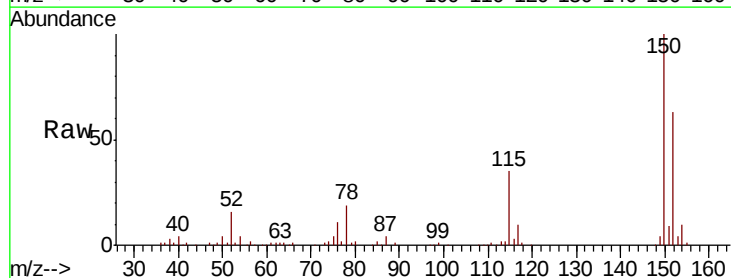
Instrument :
MSVOA_D
ClientSampleId :
P026-SS016-0002-01

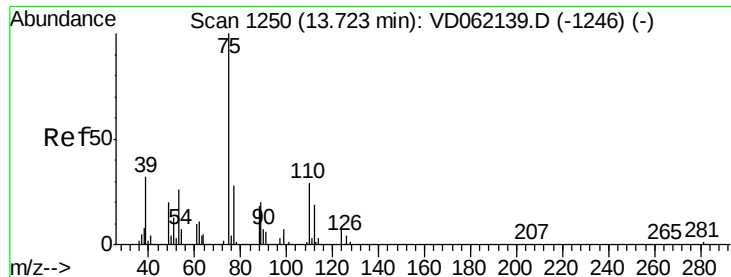
Tot Ion:117 Resp: 509822
Ion Ratio Lower Upper
117 100
82 57.2 36.2 54.2#
119 32.9 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD062330.D
Acq: 14 May 2019 4:21

Tgt Ion:152 Resp: 185401
Ion Ratio Lower Upper
152 100
115 55.0 30.9 92.7
150 158.5 0.0 314.8





#76

1,2,3-Trichloropropane

Concen: 32.516 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062330.D

Acq: 14 May 2019 4:21

Instrument :

MSVOA_D

ClientSampleId :

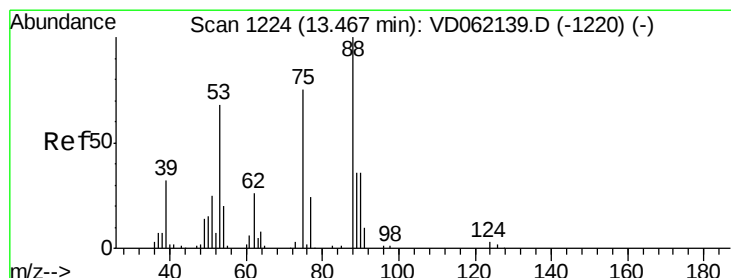
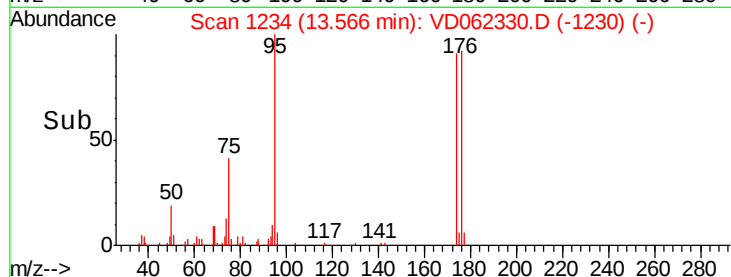
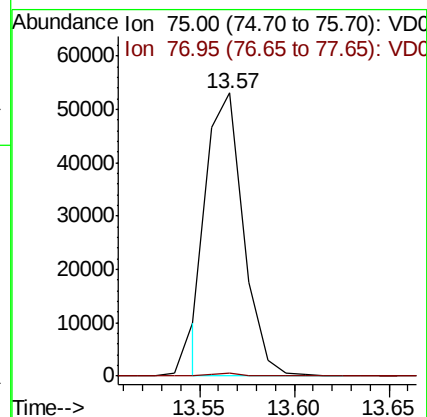
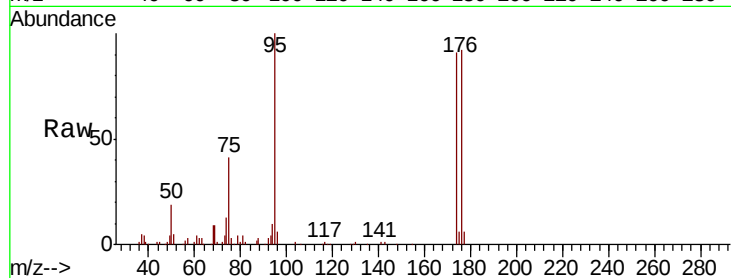
P026-SS016-0002-01

Tot Ion: 75 Resp: 71644

Ion Ratio Lower Upper

75 100

77 1.1 16.4 49.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.992 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062330.D

Acq: 14 May 2019 4:21

Tgt Ion: 75 Resp: 77747

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

