

Data File : VD062333.D
Acq On : 14 May 2019 5:44
Operator : FY/SY
Sample : K2735-11
Misc : 5.80g/5mL/MSVOA_D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P026-SS016-1218-01

Quant Time: May 14 08:20:25 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	600047	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	836677	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	614277	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	251025	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	252149	45.22	ug/l	0.05
Spiked Amount 50.000			Recovery	=	90.44%	
35) Dibromofluoromethane	6.94	113	282816	40.74	ug/l	0.05
Spiked Amount 50.000			Recovery	=	81.48%	
50) Toluene-d8	10.43	98	486534	29.07	ug/l	0.03
Spiked Amount 50.000			Recovery	=	58.14%	
62) 4-Bromofluorobenzene	13.57	95	221342	32.93	ug/l	0.02
Spiked Amount 50.000			Recovery	=	65.86%	

Target Compounds

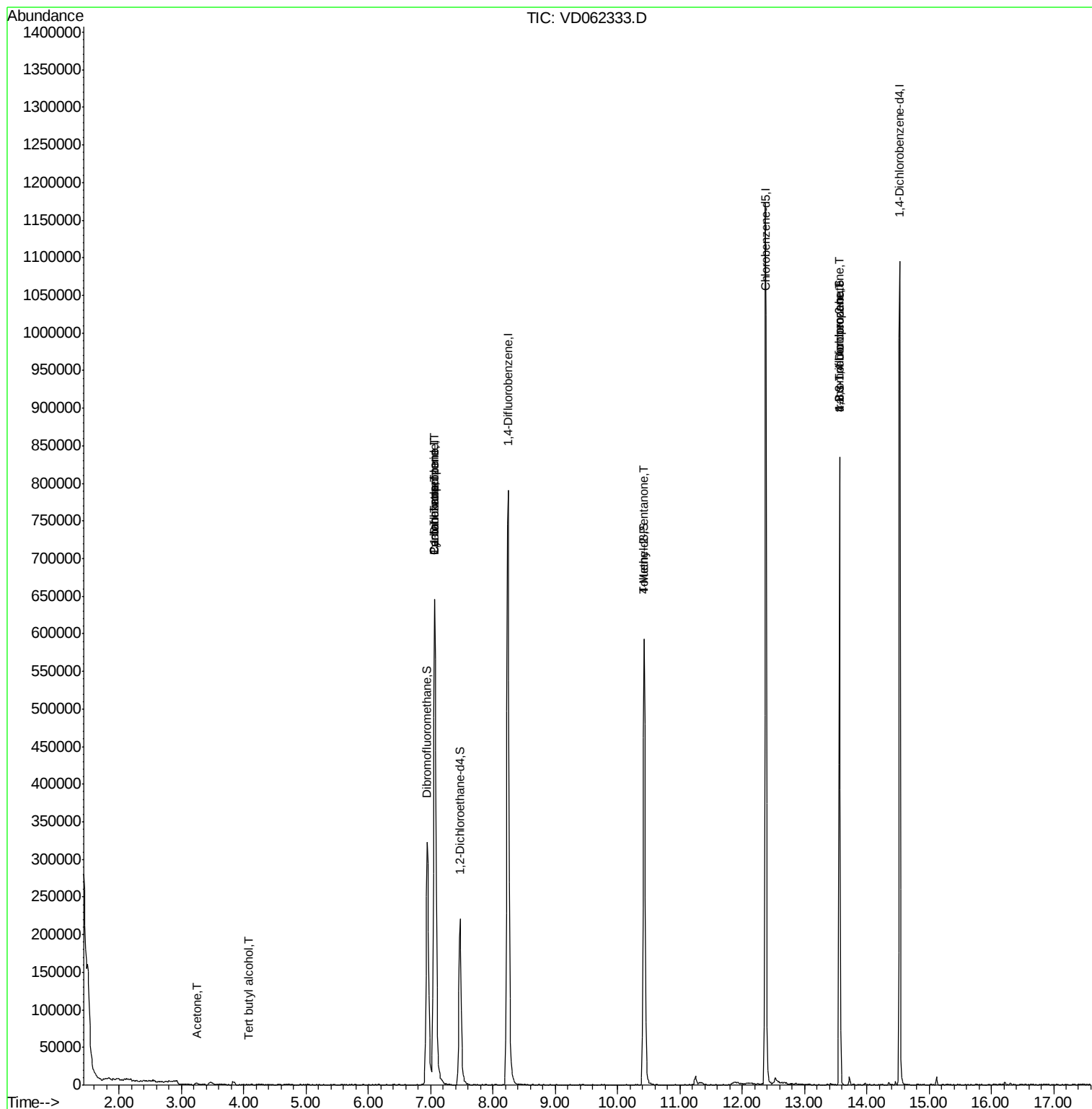
						Qvalue
11) Tert butyl alcohol	4.08	59	380	1.335	ug/l #	76
16) Acetone	3.23	43	4512	3.858	ug/l #	50
31) Cyclohexane	7.06	56	15373	2.628	ug/l #	7
36) 1,1-Dichloropropene	7.06	75	49590	7.229	ug/l #	45
38) Carbon Tetrachloride	7.06	117	62039	6.534	ug/l #	17
51) 4-Methyl-2-Pentanone	10.43	43	2902	1.094	ug/l #	18
76) 1,2,3-Trichloropropane	13.57	75	94244	31.591	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.57	75	98997	117.548	ug/l #	16

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

Data File : VD062333.D
Acq On : 14 May 2019 5:44
Operator : FY/SY
Sample : K2735-11
Misc : 5.80g/5mL/MSVOA_D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P026-SS016-1218-01

Quant Time: May 14 08:20:25 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062333.D

Acq: 14 May 2019 5:44

Instrument :

MSVOA_D

ClientSampleId :

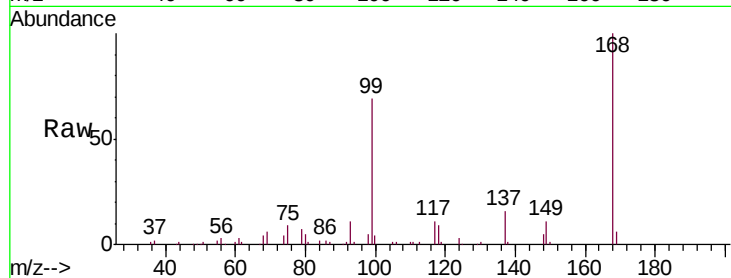
P026-SS016-1218-01

Tgt Ion: 168 Resp: 600047

Ion Ratio Lower Upper

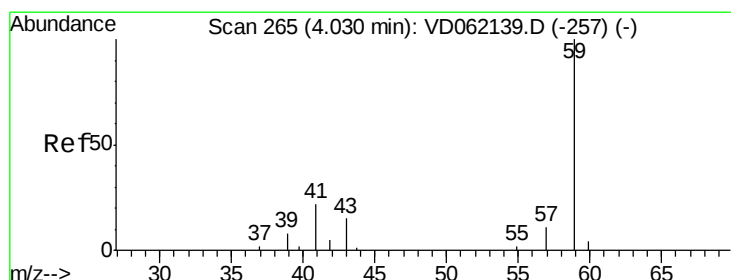
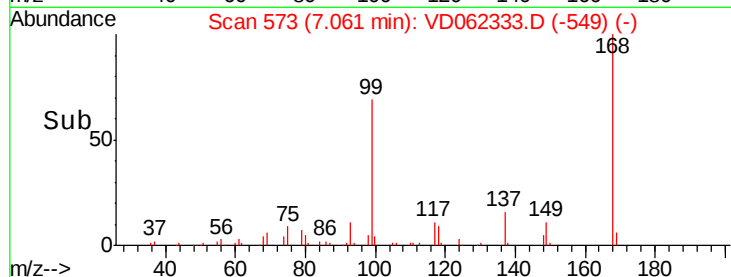
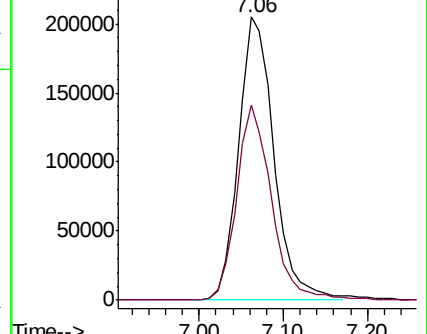
168 100

99 68.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.335 ug/l

RT: 4.08 min Scan# 270

Delta R.T. 0.05 min

Lab File: VD062333.D

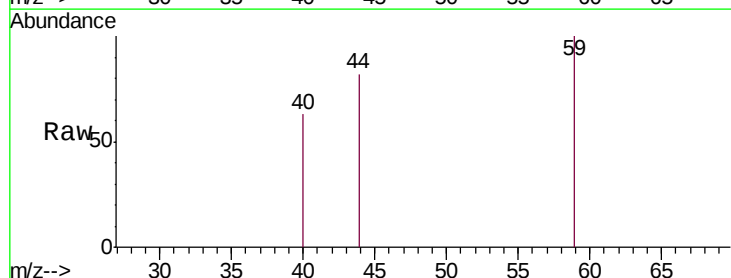
Acq: 14 May 2019 5:44

Tgt Ion: 59 Resp: 380

Ion Ratio Lower Upper

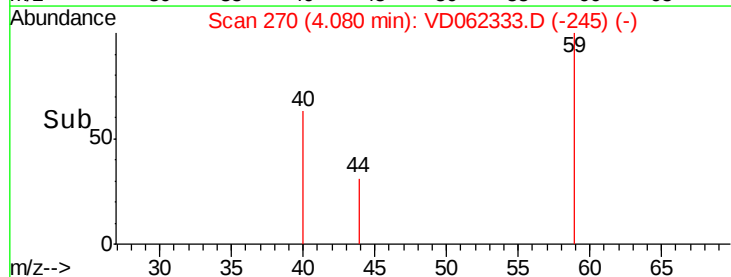
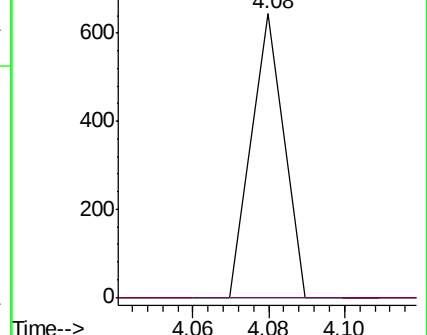
59 100

57 0.0 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 3.858 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062333.D

Acq: 14 May 2019 5:44

Instrument :

MSVOA_D

ClientSampleId :

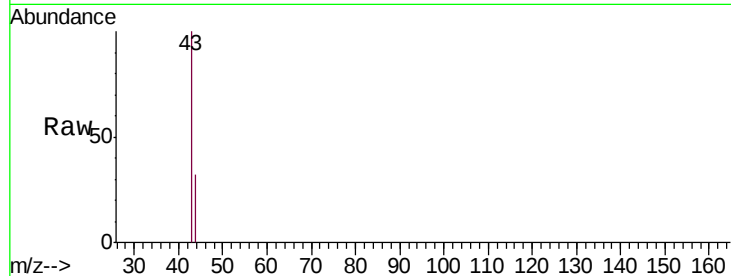
P026-SS016-1218-01

Tgt Ion: 43 Resp: 4512

Ion Ratio Lower Upper

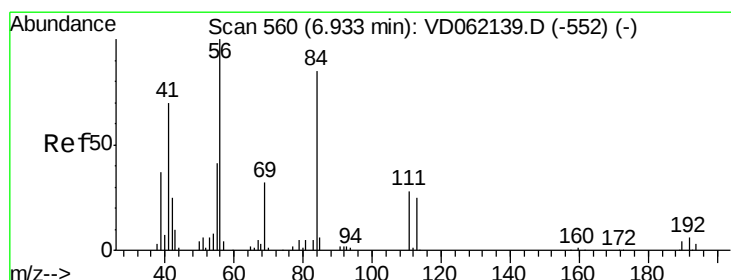
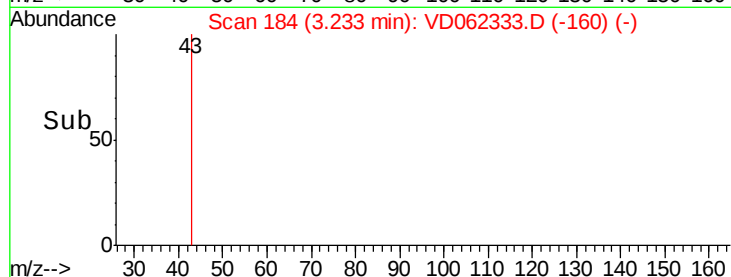
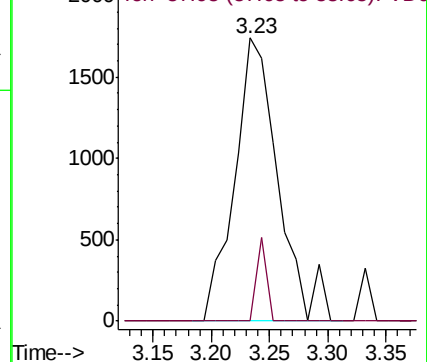
43 100

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



#31

Cyclohexane

Concen: 2.628 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.13 min

Lab File: VD062333.D

Acq: 14 May 2019 5:44

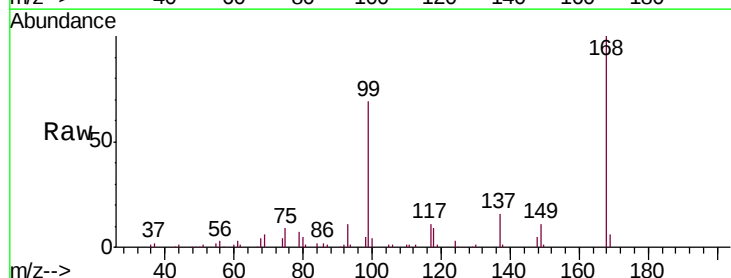
Tgt Ion: 56 Resp: 15373

Ion Ratio Lower Upper

56 100

69 217.4 25.8 38.6#

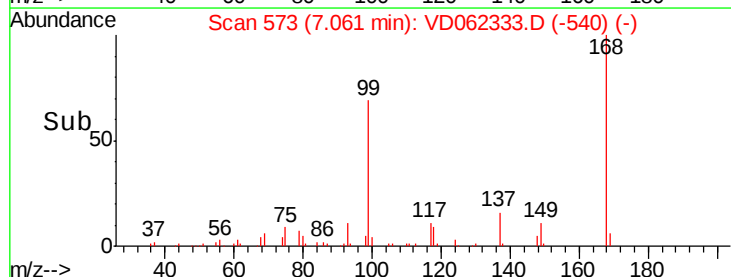
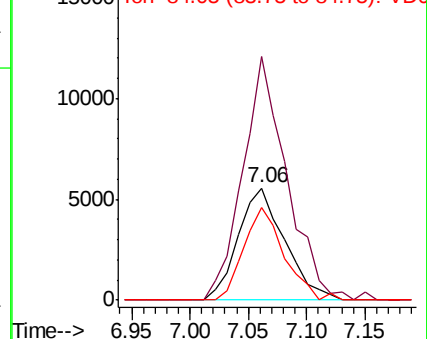
84 82.5 72.2 108.4



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: 45.218 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062333.D

Acq: 14 May 2019 5:44

Instrument :

MSVOA_D

ClientSampleId :

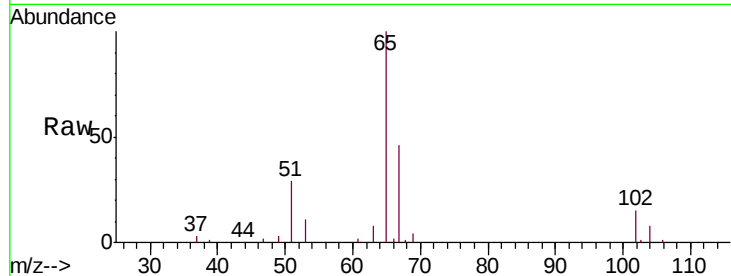
P026-SS016-1218-01

Tgt Ion: 65 Resp: 252149

Ion Ratio Lower Upper

65 100

67 46.1 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

100000

80000

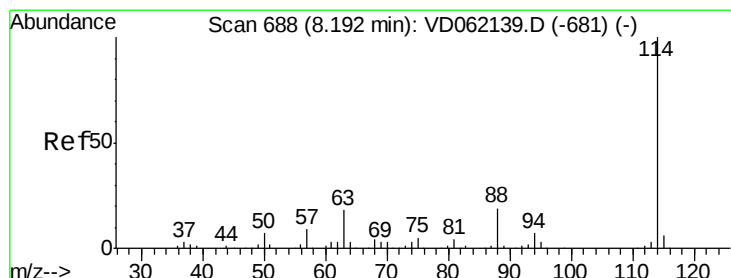
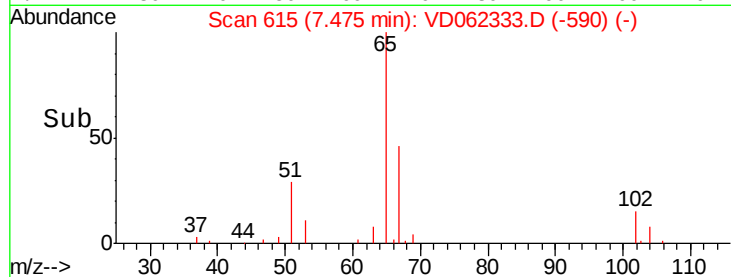
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.05 min

Lab File: VD062333.D

Acq: 14 May 2019 5:44

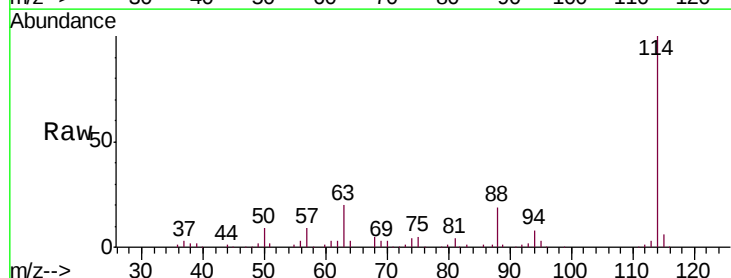
Tgt Ion: 114 Resp: 836677

Ion Ratio Lower Upper

114 100

63 19.6 0.0 32.4

88 19.2 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

8.24

400000

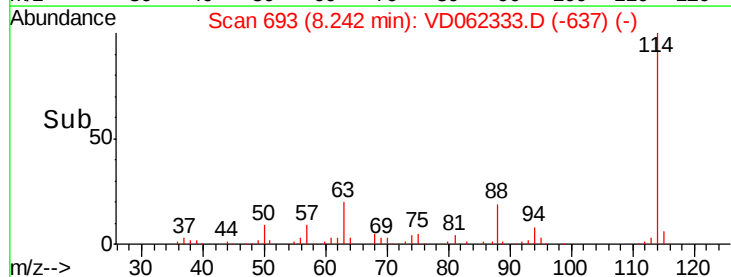
300000

200000

100000

0

Time--> 8.10 8.20 8.30 8.40 8.50

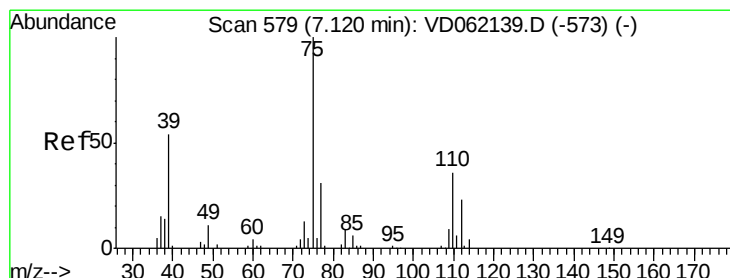
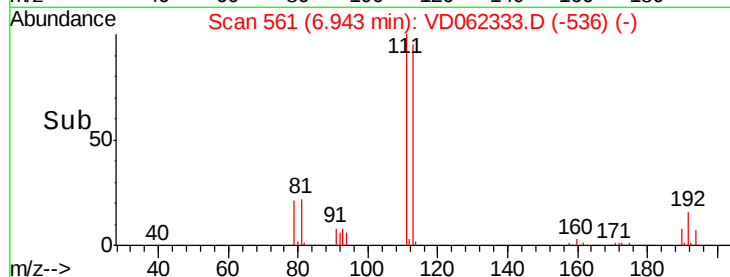
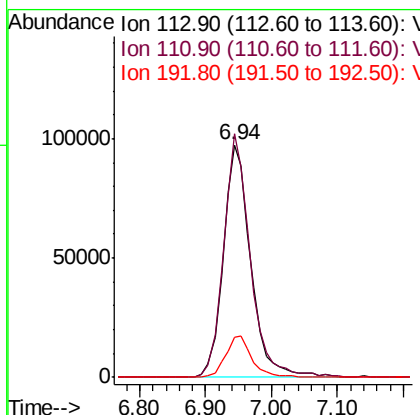
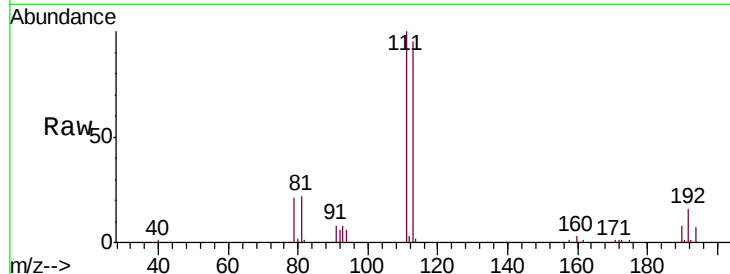




#35
 Dibromofluoromethane
 Concen: 40.740 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062333.D
 Acq: 14 May 2019 5:44

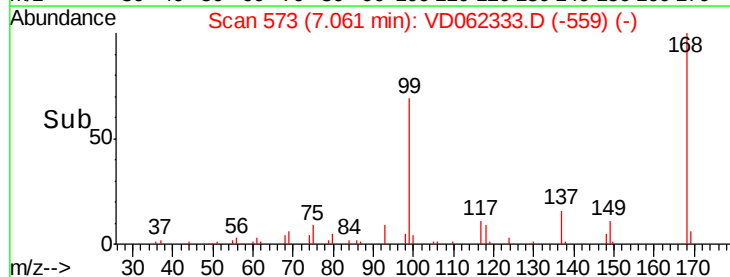
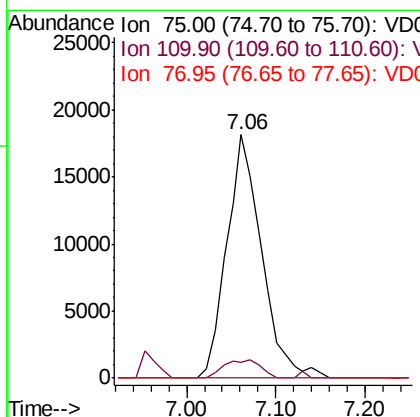
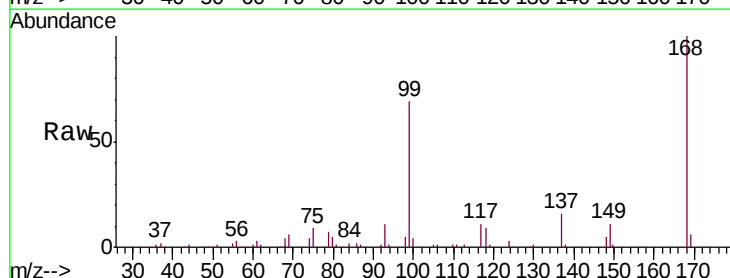
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS016-1218-01

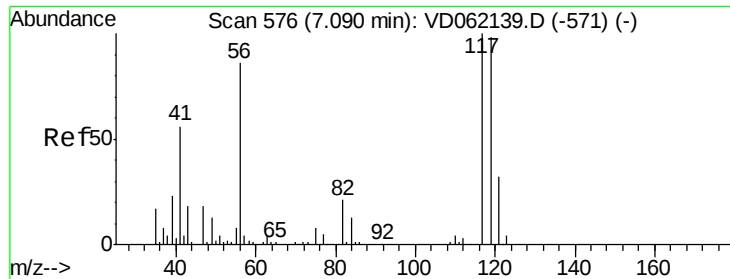
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	282816		
111	104.8		78.5	117.7
192	17.3		13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 7.229 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.06 min
 Lab File: VD062333.D
 Acq: 14 May 2019 5:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	49590		
110	6.4		19.1	57.1#
77	0.0		25.6	38.4#





#38

Carbon Tetrachloride

Concen: 6.534 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD062333.D

Acq: 14 May 2019 5:44

Instrument :

MSVOA_D

ClientSampleId :

P026-SS016-1218-01

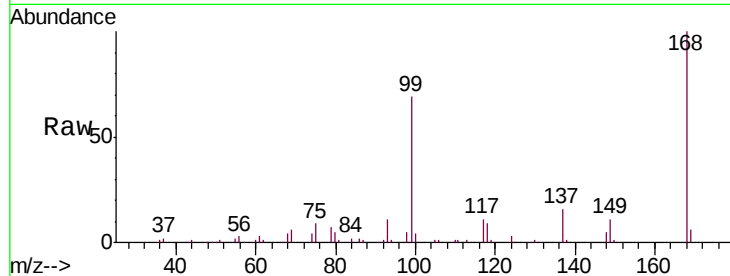
Tgt Ion:117 Resp: 62039

Ion Ratio Lower Upper

117 100

119 5.8 75.8 113.8#

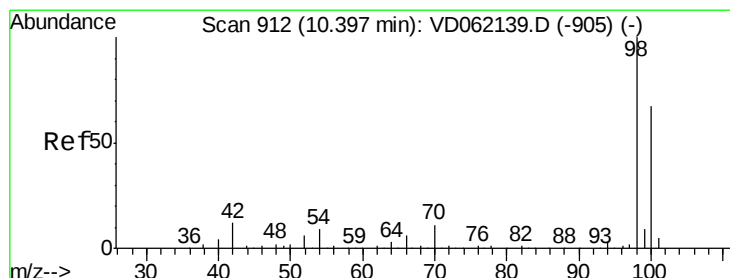
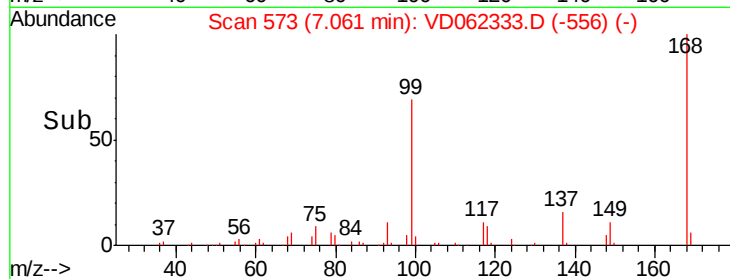
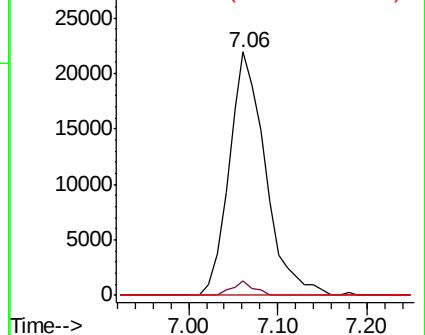
121 0.0 25.9 38.9#



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: 29.068 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD062333.D

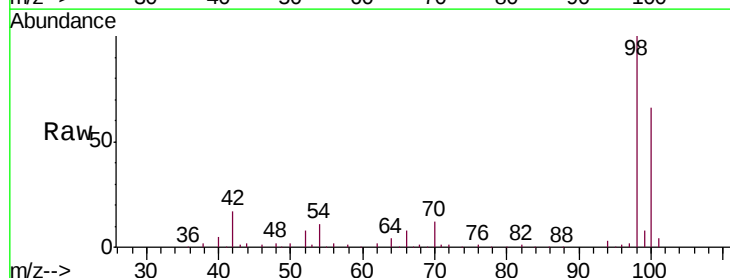
Acq: 14 May 2019 5:44

Tgt Ion: 98 Resp: 486534

Ion Ratio Lower Upper

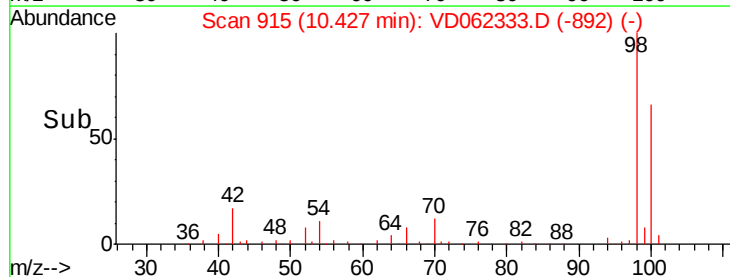
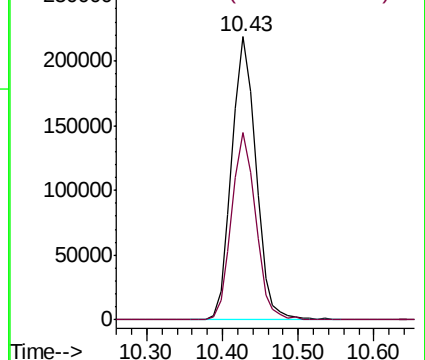
98 100

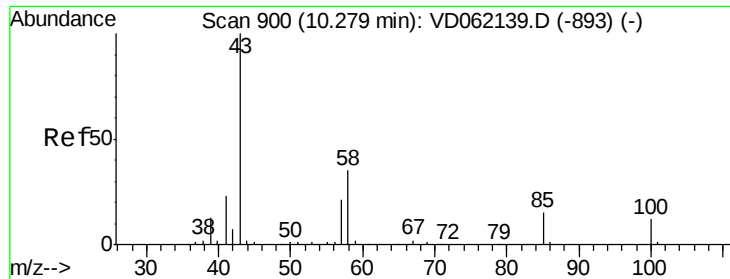
100 66.0 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.094 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.15 min

Lab File: VD062333.D

Acq: 14 May 2019 5:44

Instrument :

MSVOA_D

ClientSampleId :

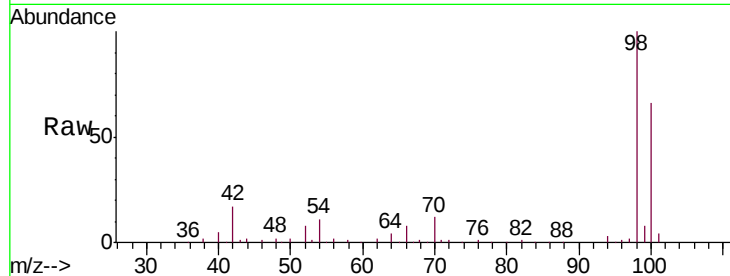
P026-SS016-1218-01

Tgt Ion: 43 Resp: 2902

Ion Ratio Lower Upper

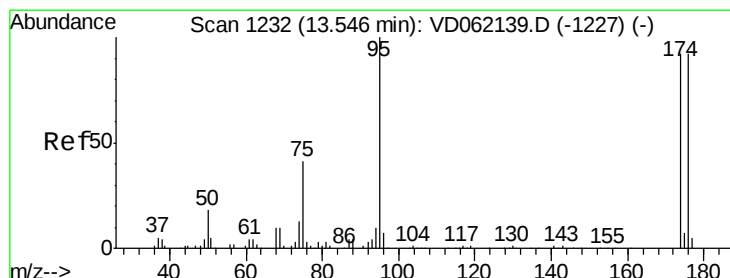
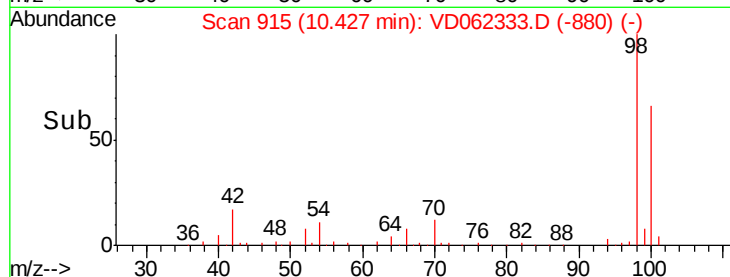
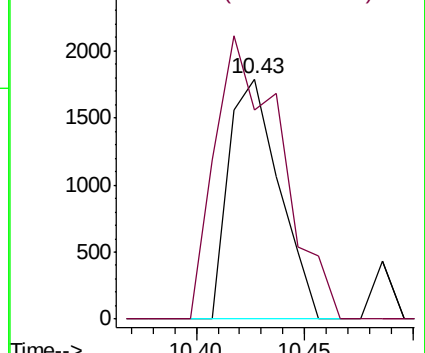
43 100

58 87.3 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: 32.932 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062333.D

Acq: 14 May 2019 5:44

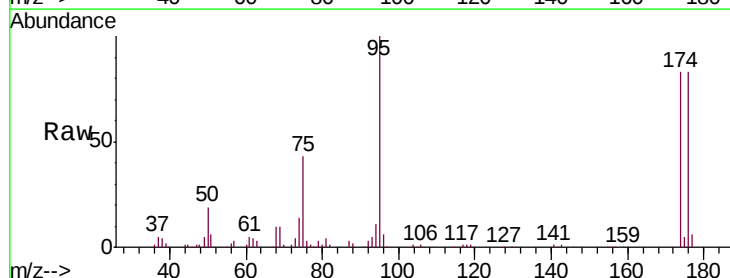
Tgt Ion: 95 Resp: 221342

Ion Ratio Lower Upper

95 100

174 83.3 0.0 181.8

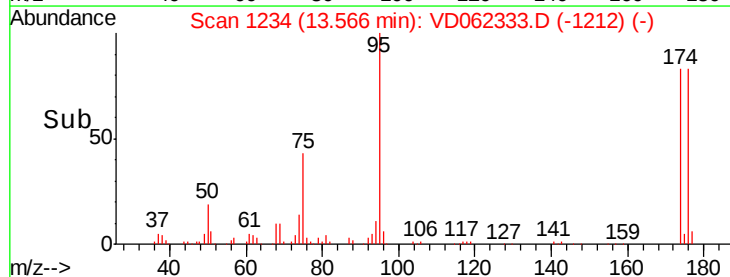
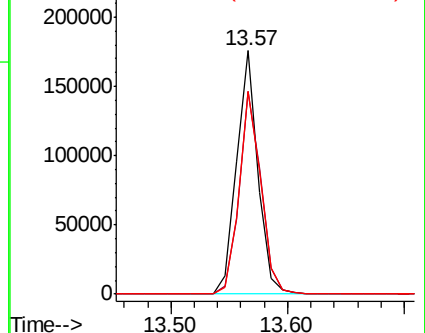
176 83.1 0.0 174.4

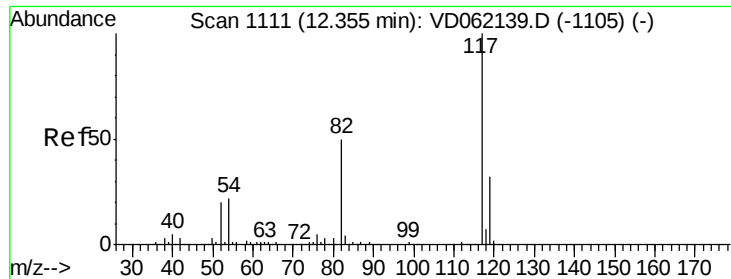


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

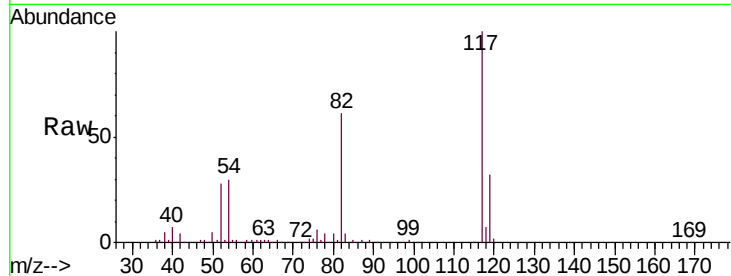




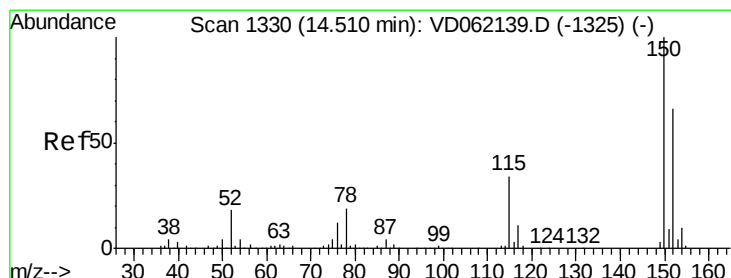
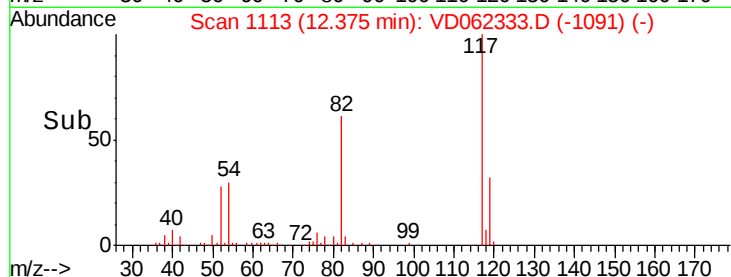
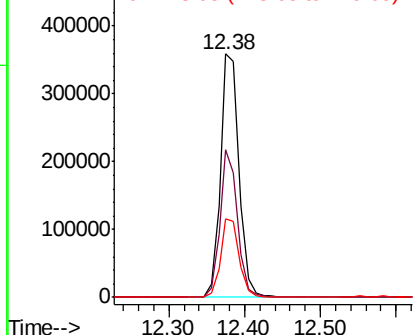
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062333.D
Acq: 14 May 2019 5:44

Instrument :
MSVOA_D
ClientSampleId :
P026-SS016-1218-01

Tgt Ion:117 Resp: 614277
Ion Ratio Lower Upper
117 100
82 60.7 36.2 54.2#
119 32.5 26.2 39.4

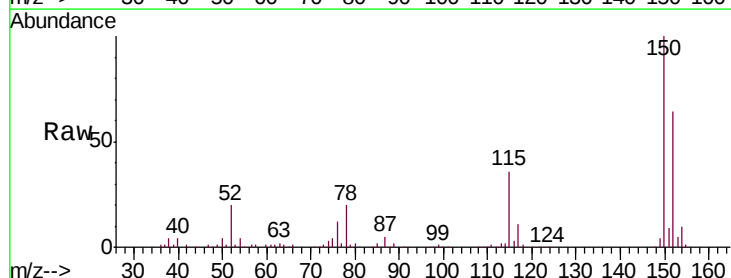


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

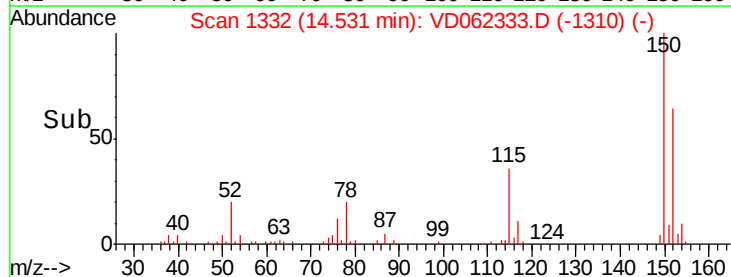
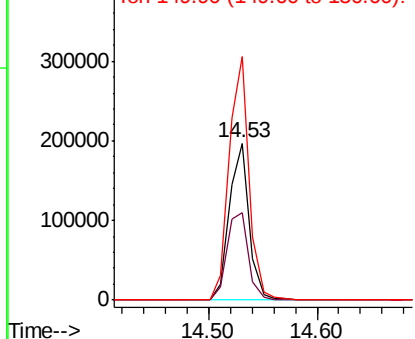


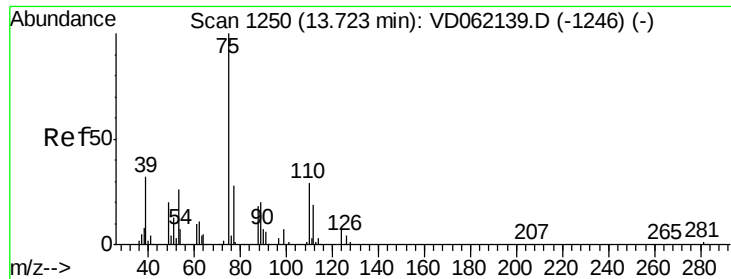
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD062333.D
Acq: 14 May 2019 5:44

Tgt Ion:152 Resp: 251025
Ion Ratio Lower Upper
152 100
115 55.6 30.9 92.7
150 155.1 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: 31.591 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062333.D

Acq: 14 May 2019 5:44

Instrument :

MSVOA_D

ClientSampleId :

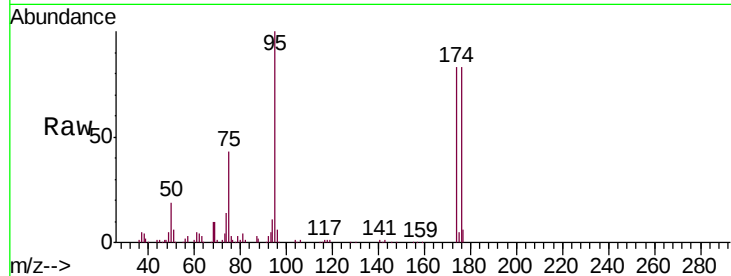
P026-SS016-1218-01

Tgt Ion: 75 Resp: 94244

Ion Ratio Lower Upper

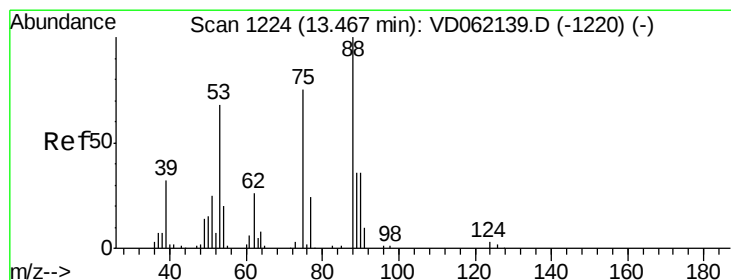
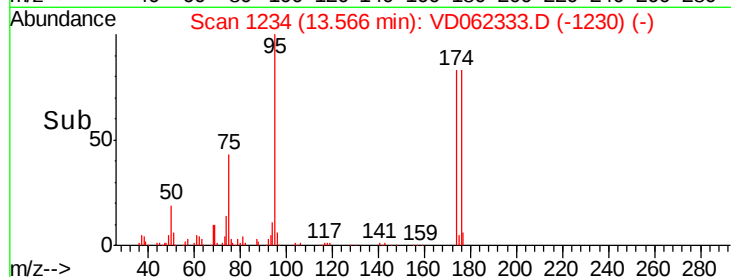
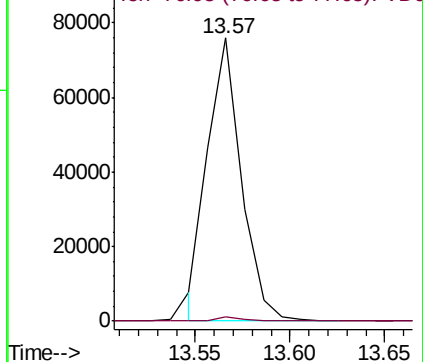
75 100

77 1.8 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: 117.548 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062333.D

Acq: 14 May 2019 5:44

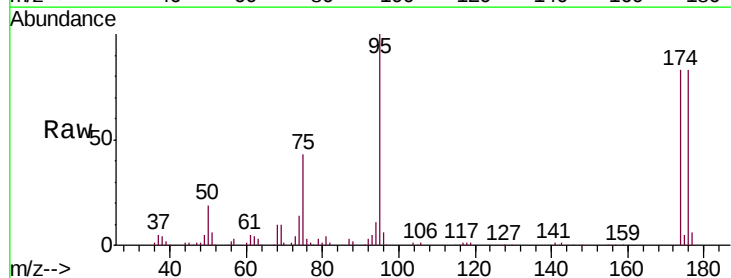
Tgt Ion: 75 Resp: 98997

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

