

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062316.D
 Acq On : 13 May 2019 20:30
 Operator : FY/SY
 Sample : K2756-11
 Misc : 6.27g/5mL/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS007-0002-01

Quant Time: May 14 05:12:42 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	497548	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	692678	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.37	117	462653	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	169067	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	227535	49.21	ug/l	0.05
Spiked Amount 50.000			Recovery	=	98.42%	
35) Dibromofluoromethane	6.94	113	262865	45.74	ug/l	0.05
Spiked Amount 50.000			Recovery	=	91.48%	
50) Toluene-d8	10.42	98	499561	36.05	ug/l	0.02
Spiked Amount 50.000			Recovery	=	72.10%	
62) 4-Bromofluorobenzene	13.57	95	177875	31.97	ug/l	0.02
Spiked Amount 50.000			Recovery	=	63.94%	

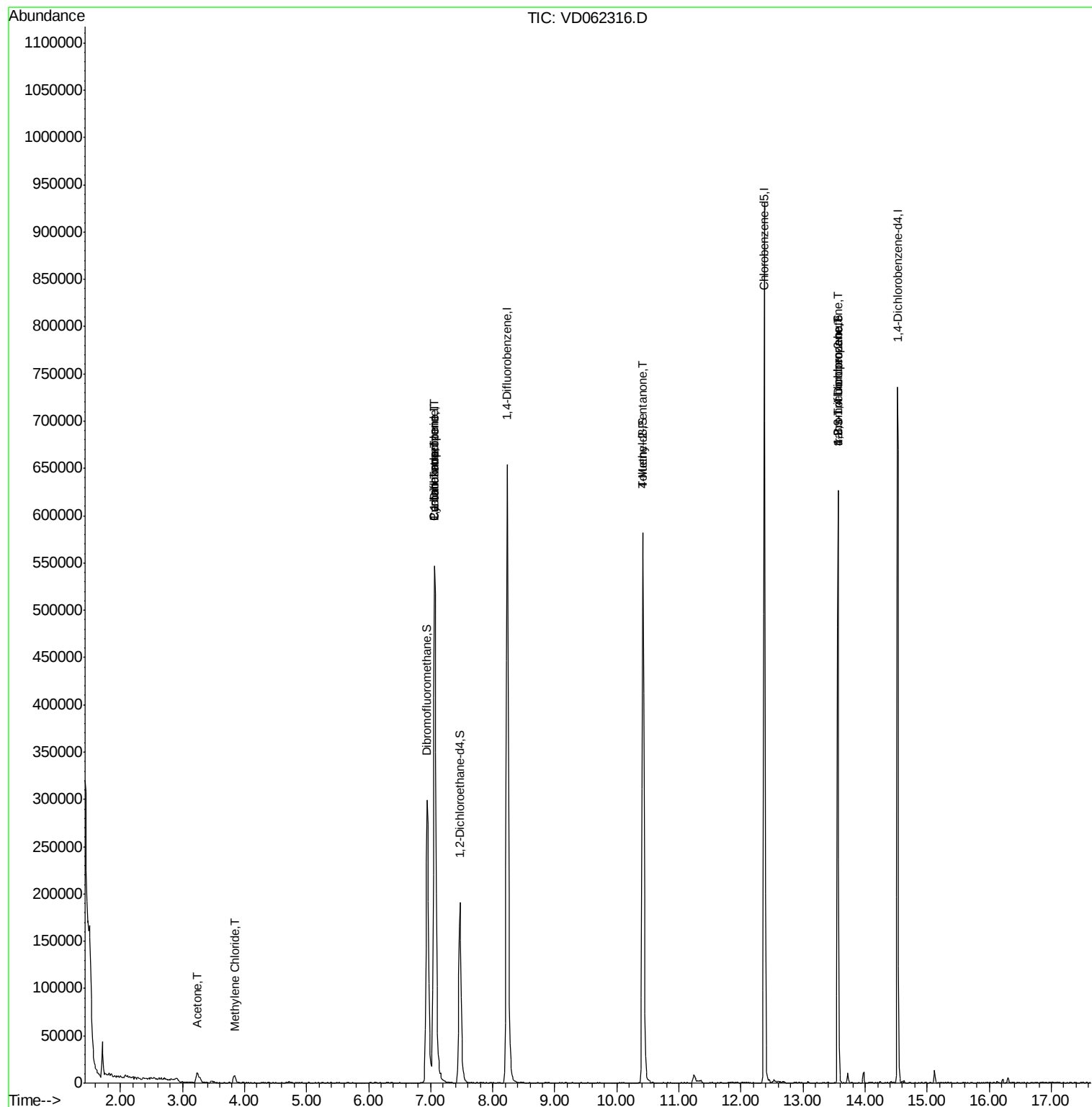
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	22355	23.055	ug/l #	86
20) Methylene Chloride	3.83	84	6229	1.539	ug/l	92
31) Cyclohexane	7.06	56	11167	2.302	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	43048	7.580	ug/l #	47
38) Carbon Tetrachloride	7.06	117	53449	6.800	ug/l #	16
51) 4-Methyl-2-Pentanone	10.43	43	3040	1.385	ug/l #	1
76) 1,2,3-Trichloropropane	13.57	75	76562	38.105	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.57	75	83612	147.408	ug/l #	16

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

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Quant Title : SW846 8260
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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: VD062316.D

Acq: 13 May 2019 20:30

Instrument :

MSVOA_D

ClientSampleId :

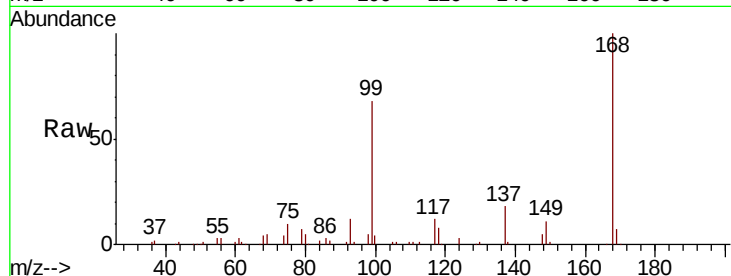
P021-SS007-0002-01

Tot Ion:168 Resp: 497548

Ion Ratio Lower Upper

168 100

99 68.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.06

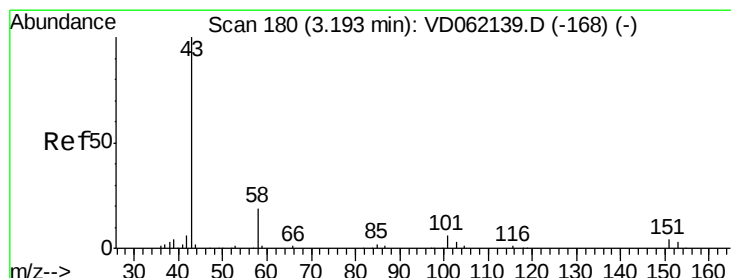
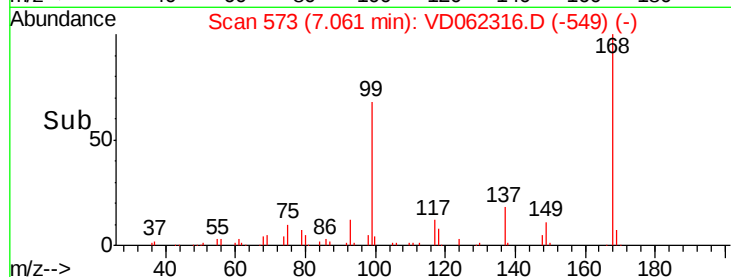
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 23.055 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062316.D

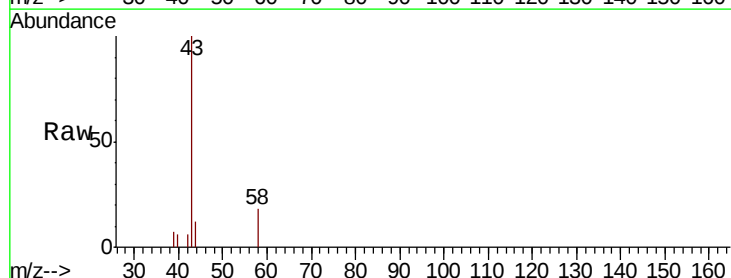
Acq: 13 May 2019 20:30

Tgt Ion: 43 Resp: 22355

Ion Ratio Lower Upper

43 100

58 17.9 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 57.95 (57.65 to 58.65): V

3.23

8000

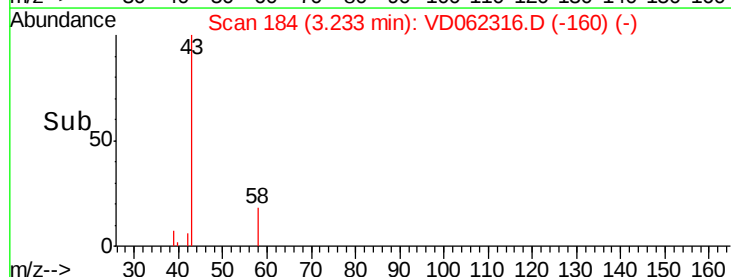
6000

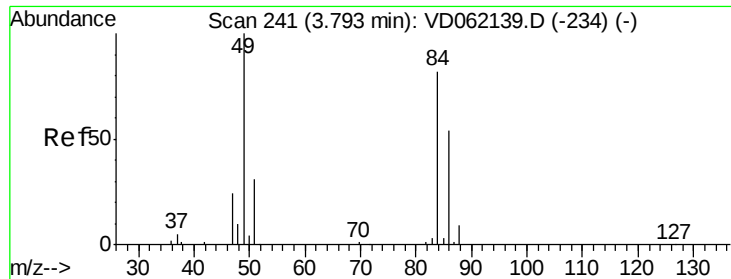
4000

2000

0

Time--> 3.10 3.20 3.30 3.40

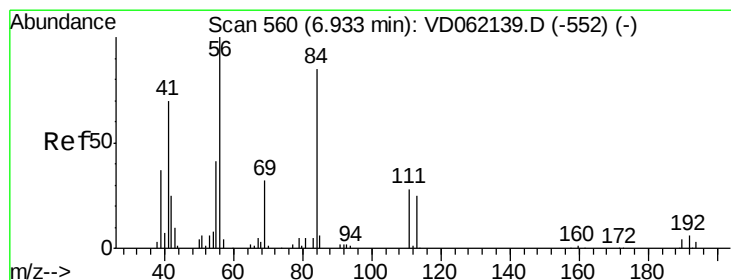
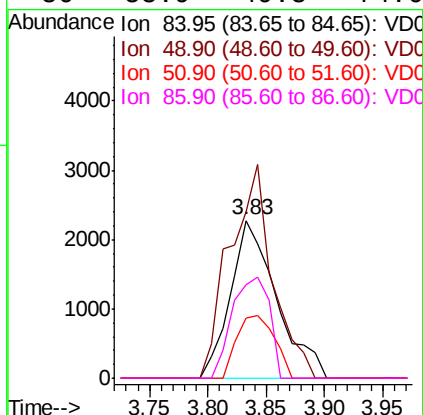
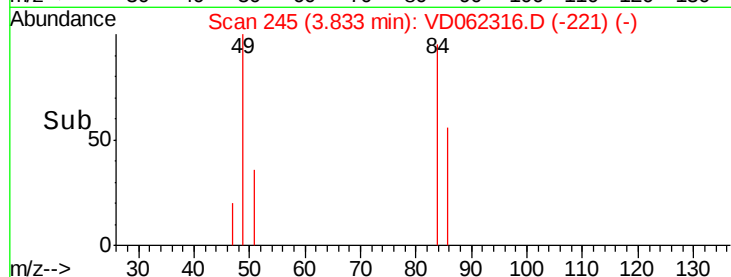
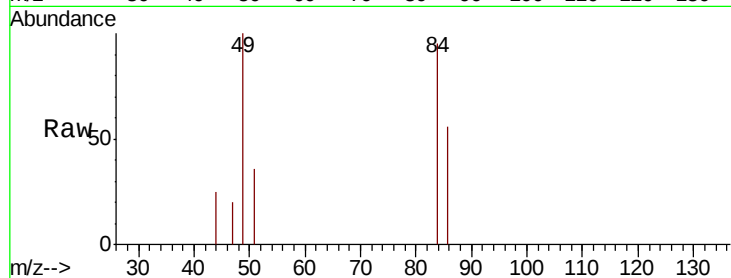




#20
Methvlene Chloride
Concen: 1.539 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD062316.D
Acq: 13 May 2019 20:30

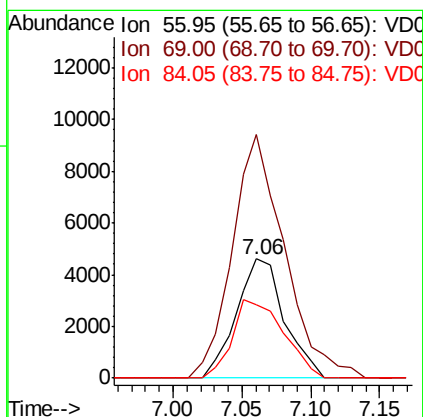
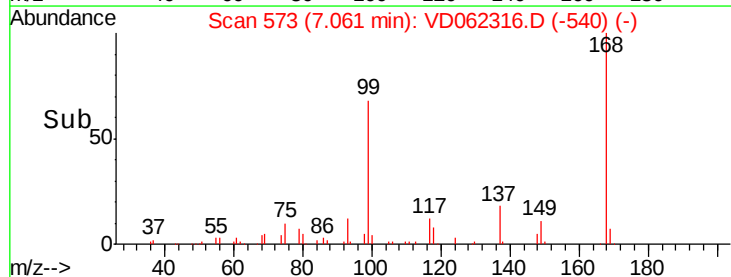
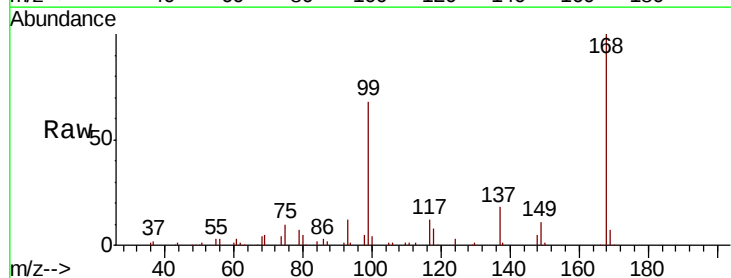
Instrument :
MSVOA_D
ClientSampleId :
P021-SS007-0002-01

Tot Ion:	84	Resp:	6229
Ion	Ratio	Lower	Upper
84	100		
49	105.2	94.0	141.0
51	37.8	29.0	43.4
86	58.9	49.8	74.6



#31
Cyclohexane
Concen: 2.302 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.13 min
Lab File: VD062316.D
Acq: 13 May 2019 20:30

Tgt Ion:	56	Resp:	11167
Ion	Ratio	Lower	Upper
56	100		
69	204.4	25.8	38.6#
84	61.3	72.2	108.4#





#33

1,2-Dichloroethane-d4

Concen: 49.210 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062316.D

Acq: 13 May 2019 20:30

Instrument :

MSVOA_D

ClientSampleId :

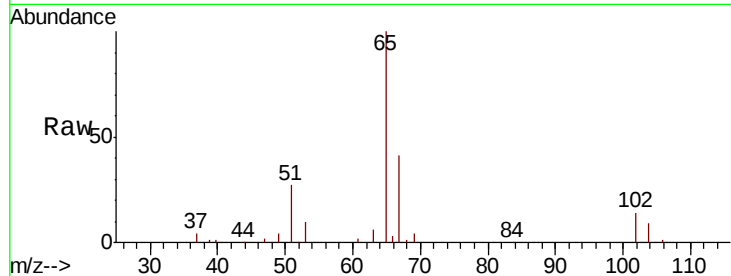
P021-SS007-0002-01

Tot Ion: 65 Resp: 227535

Ion Ratio Lower Upper

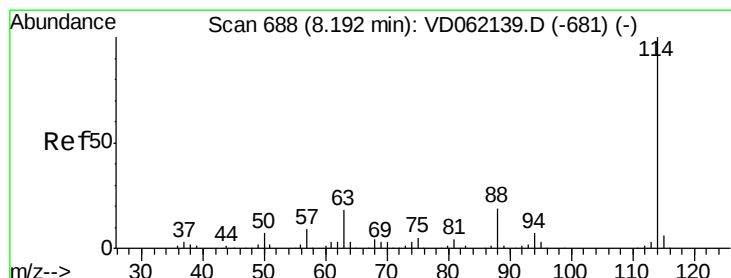
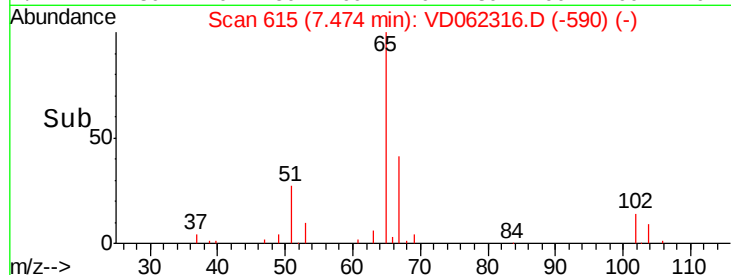
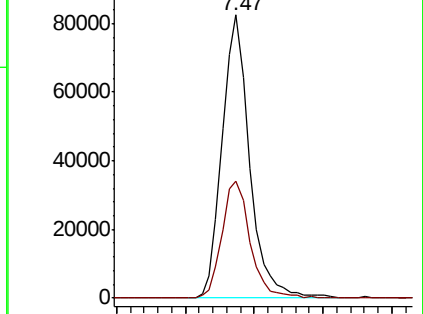
65 100

67 41.2 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: VD062316.D

Acq: 13 May 2019 20:30

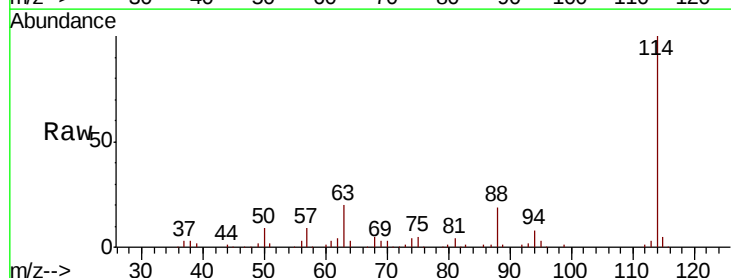
Tgt Ion: 114 Resp: 692678

Ion Ratio Lower Upper

114 100

63 20.4 0.0 32.4

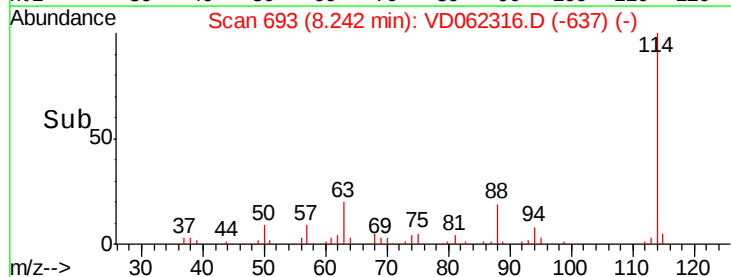
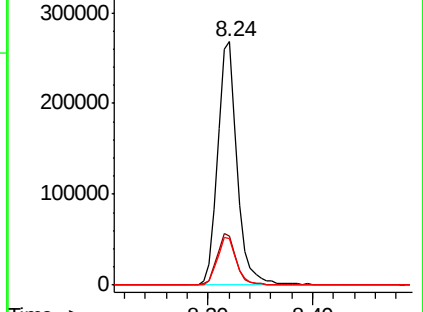
88 19.3 0.0 33.6



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

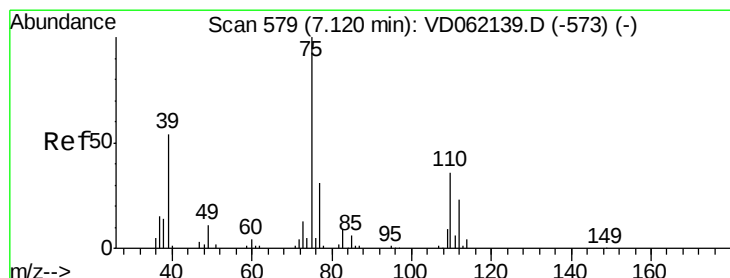
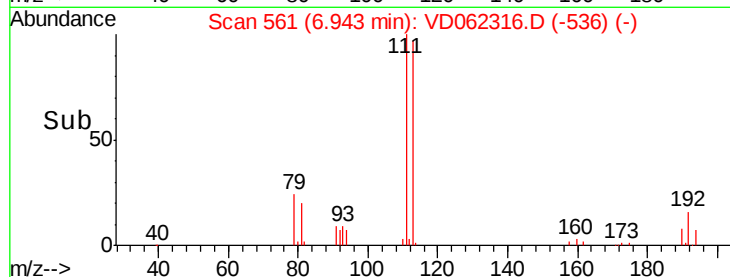
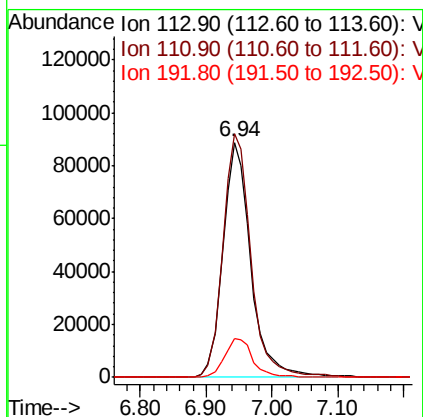
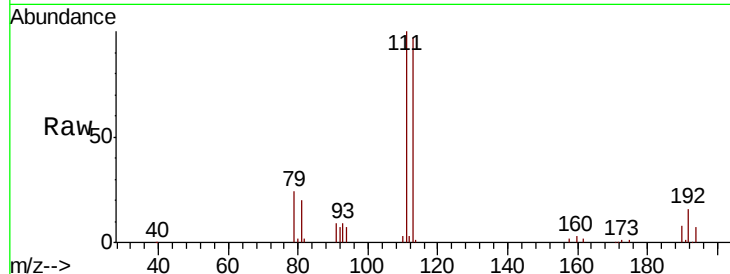




#35
 Dibromofluoromethane
 Concen: 45.738 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062316.D
 Acq: 13 May 2019 20:30

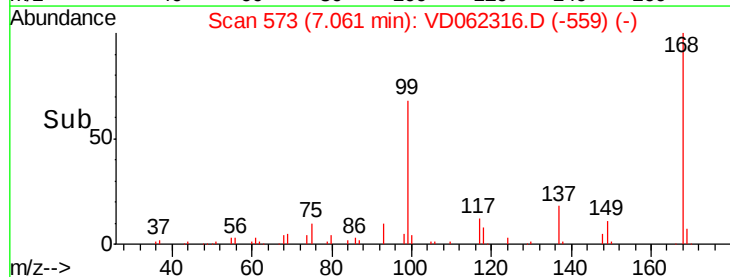
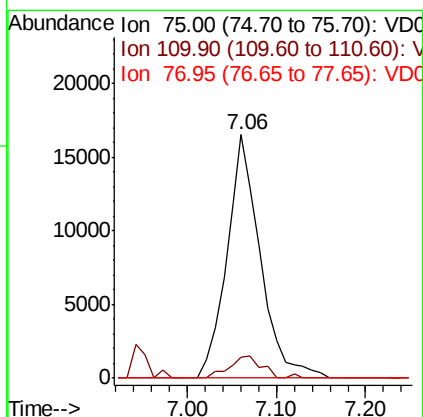
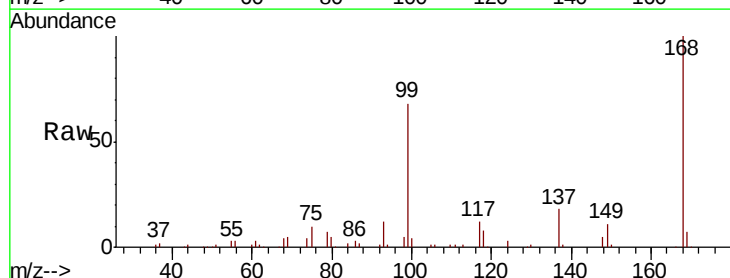
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS007-0002-01

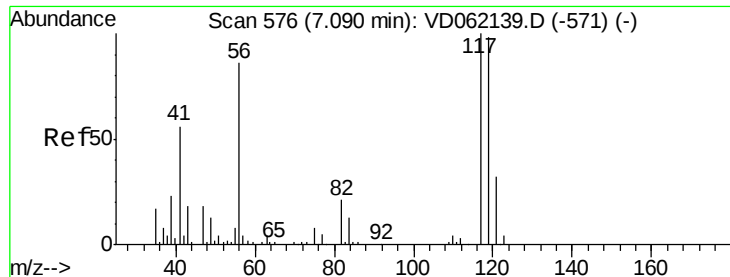
Tot Ion:113 Resp: 262865
 Ion Ratio Lower Upper
 113 100
 111 103.5 78.5 117.7
 192 16.6 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 7.580 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.06 min
 Lab File: VD062316.D
 Acq: 13 May 2019 20:30

Tgt Ion: 75 Resp: 43048
 Ion Ratio Lower Upper
 75 100
 110 8.5 19.1 57.1#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 6.800 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD062316.D

Acq: 13 May 2019 20:30

Instrument :

MSVOA_D

ClientSampleId :

P021-SS007-0002-01

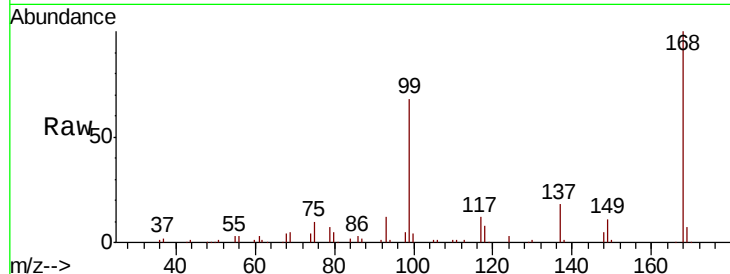
Tot Ion:117 Resp: 53449

Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.8#

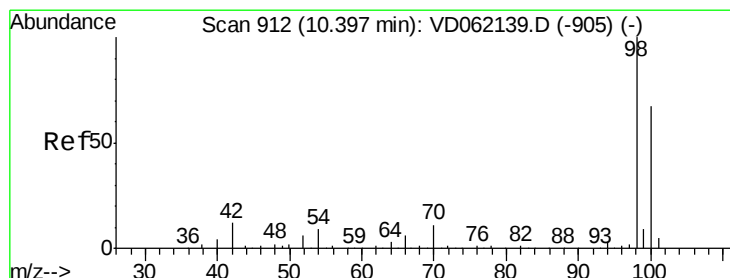
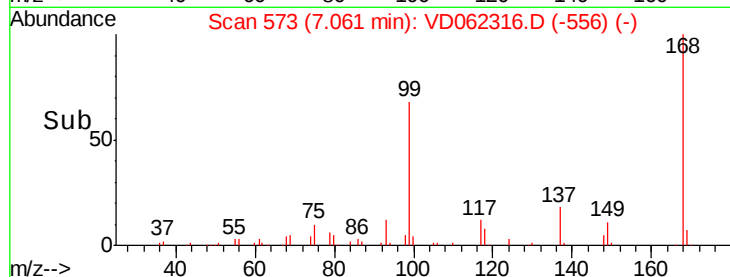
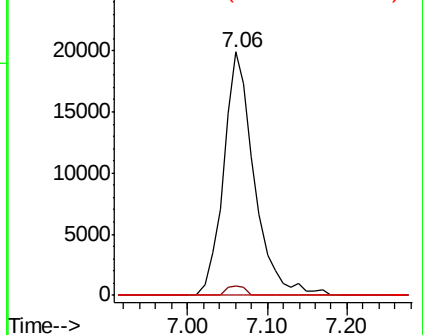
121 0.0 25.9 38.9#



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: 36.051 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062316.D

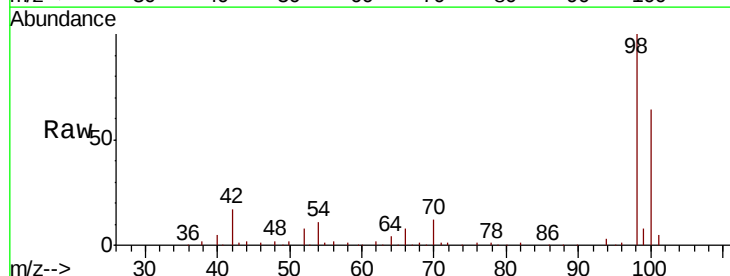
Acq: 13 May 2019 20:30

Tgt Ion: 98 Resp: 499561

Ion Ratio Lower Upper

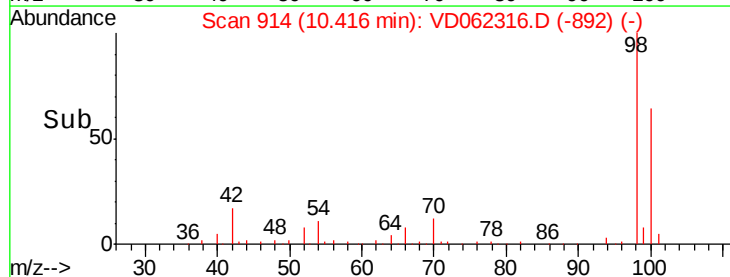
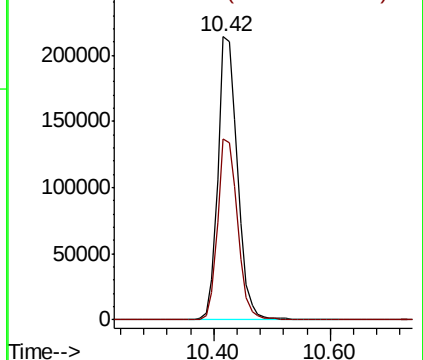
98 100

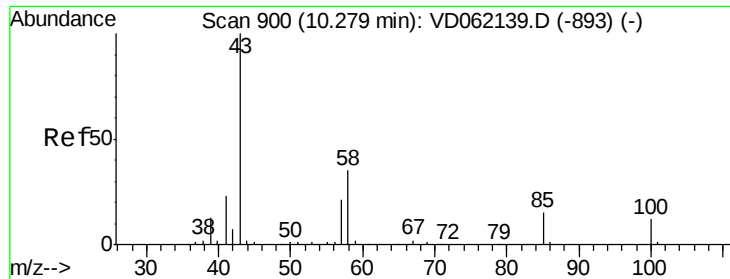
100 63.8 53.8 80.8



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: 1.385 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.15 min

Lab File: VD062316.D

Acq: 13 May 2019 20:30

Instrument :

MSVOA_D

ClientSampleId :

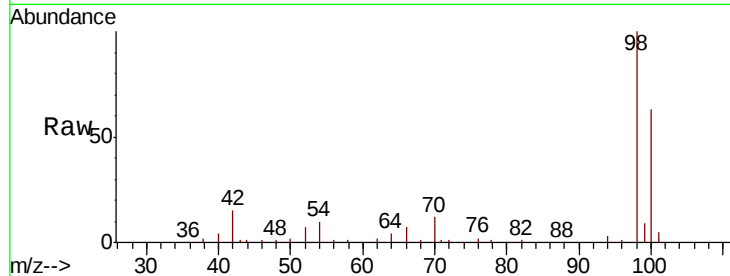
P021-SS007-0002-01

Tot Ion: 43 Resp: 3040

Ion Ratio Lower Upper

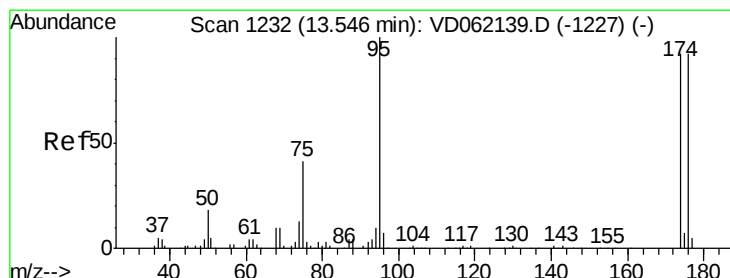
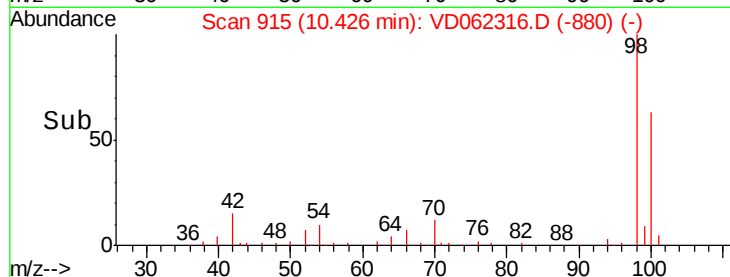
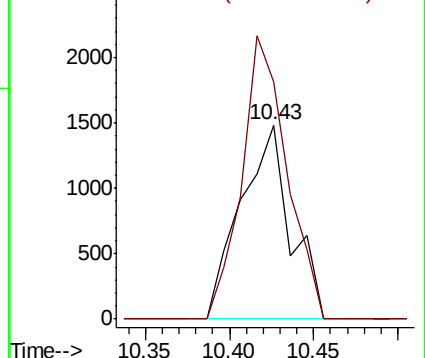
43 100

58 122.5 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: 31.966 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062316.D

Acq: 13 May 2019 20:30

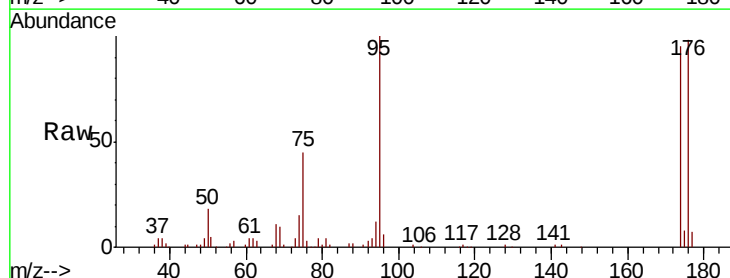
Tgt Ion: 95 Resp: 177875

Ion Ratio Lower Upper

95 100

174 94.8 0.0 181.8

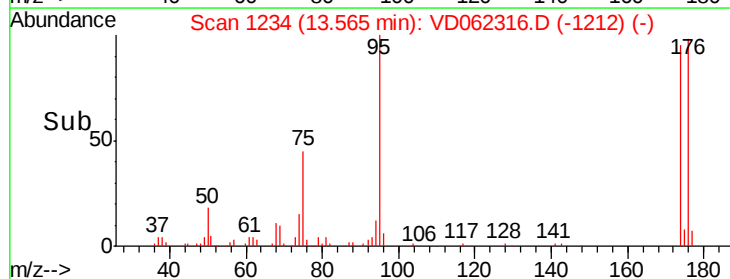
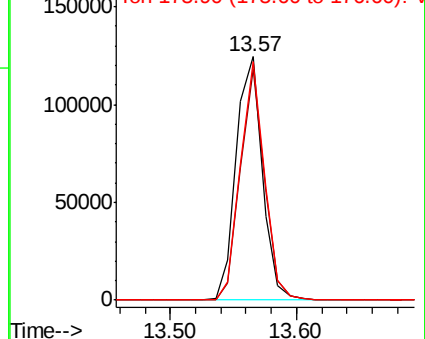
176 98.1 0.0 174.4

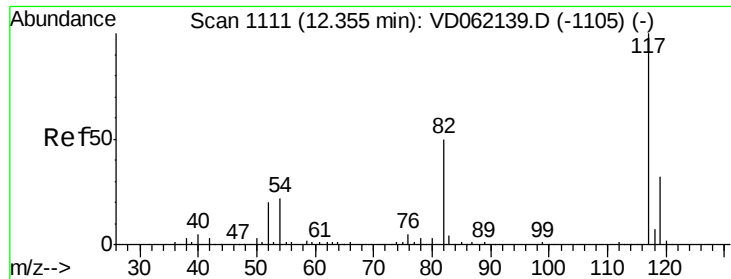


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

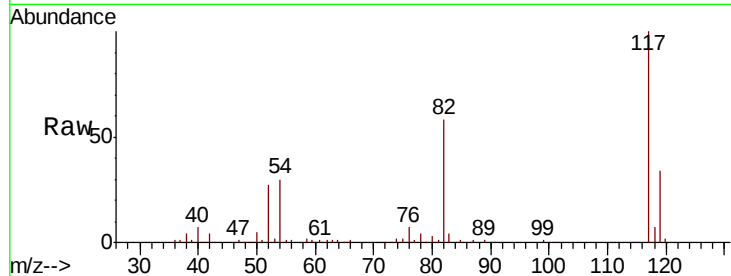




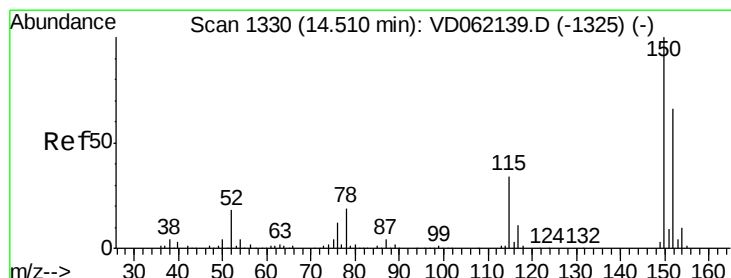
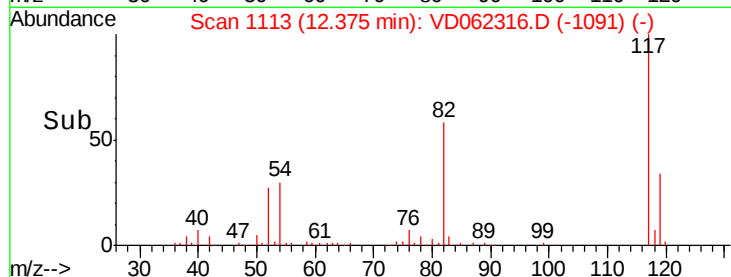
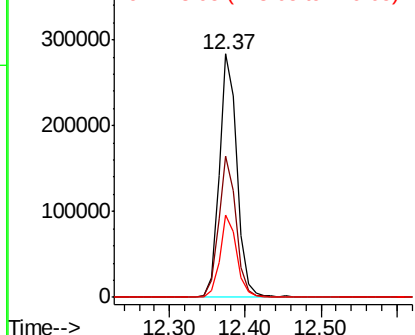
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062316.D
Acq: 13 May 2019 20:30

Instrument :
MSVOA_D
ClientSampleId :
P021-SS007-0002-01

Tot Ion:117 Resp: 462653
Ion Ratio Lower Upper
117 100
82 58.2 36.2 54.2#
119 33.9 26.2 39.4

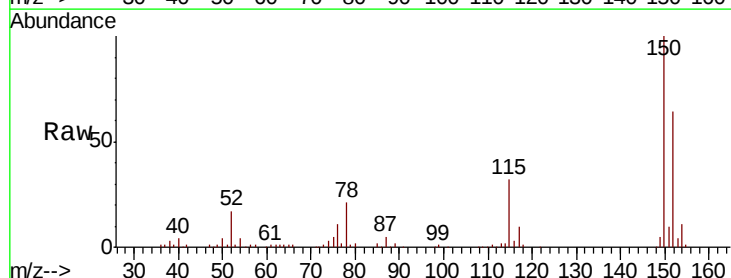


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

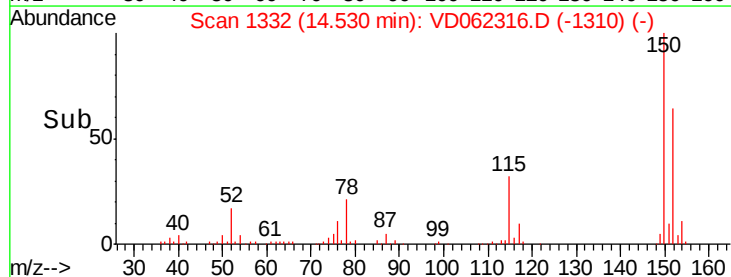
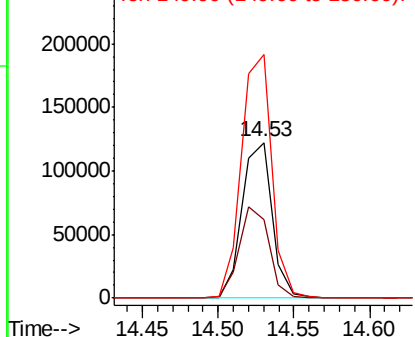


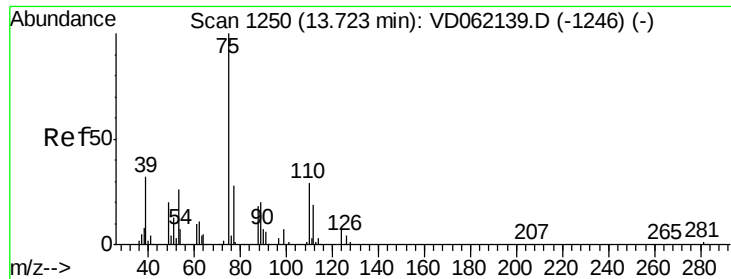
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD062316.D
Acq: 13 May 2019 20:30

Tgt Ion:152 Resp: 169067
Ion Ratio Lower Upper
152 100
115 50.3 30.9 92.7
150 156.6 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: 38.105 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062316.D

Acq: 13 May 2019 20:30

Instrument :

MSVOA_D

ClientSampleId :

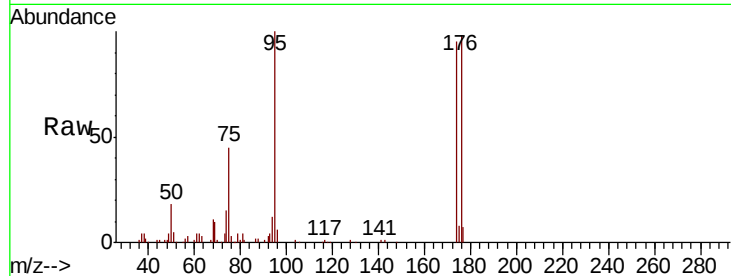
P021-SS007-0002-01

Tot Ion: 75 Resp: 76562

Ion Ratio Lower Upper

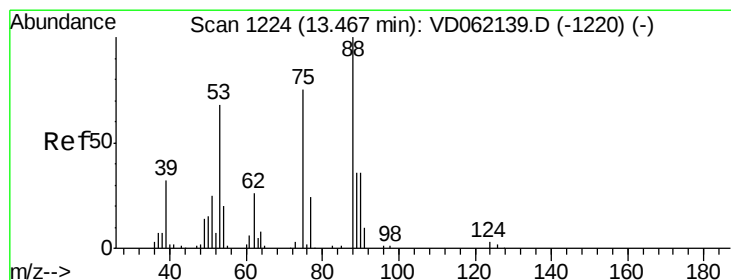
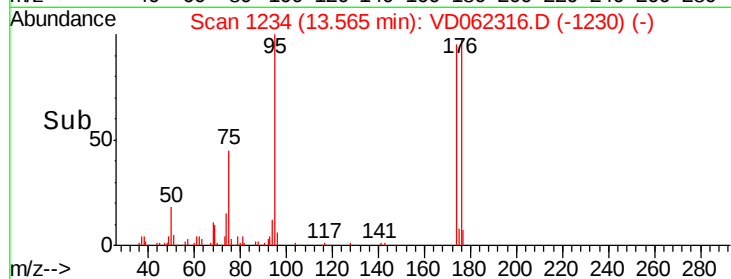
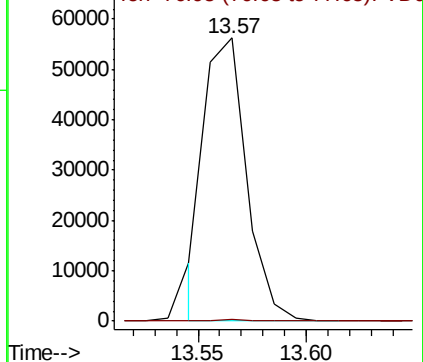
75 100

77 0.8 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: 147.408 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062316.D

Acq: 13 May 2019 20:30

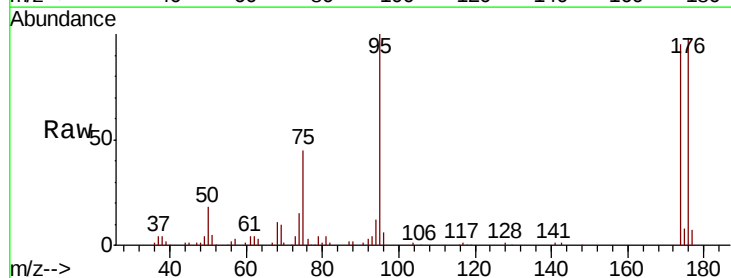
Tgt Ion: 75 Resp: 83612

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

