

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062349.D
 Acq On : 14 May 2019 16:30
 Operator : FY/SY
 Sample : K2756-20
 Misc : 5.09g/5mL/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 15 02:00:40 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

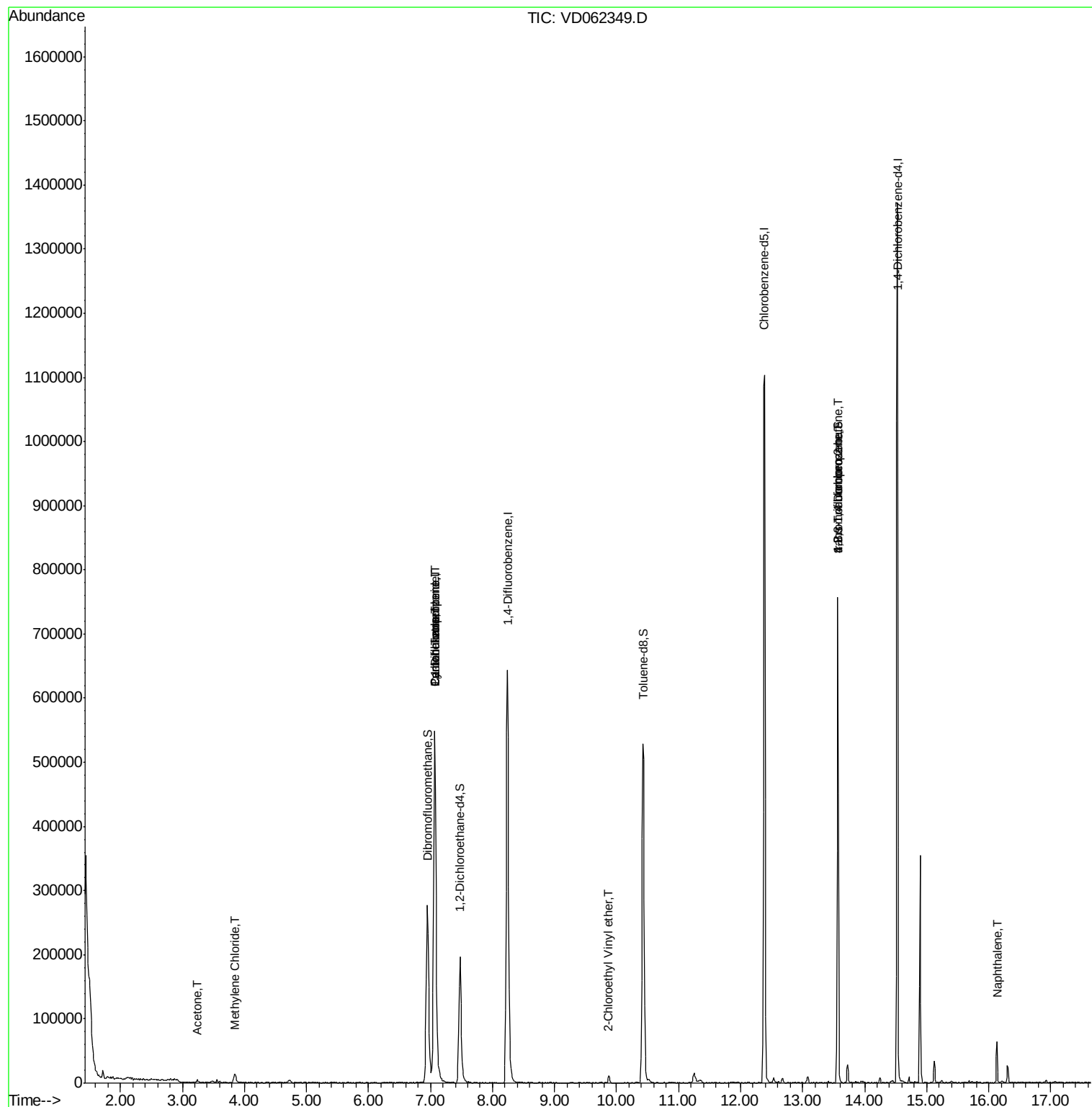
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	522635	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	718197	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	637801	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	299900	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	223330	45.98	ug/l	0.05
Spiked Amount 50.000			Recovery	=	91.96%	
35) Dibromofluoromethane	6.95	113	250005	41.95	ug/l	0.06
Spiked Amount 50.000			Recovery	=	83.90%	
50) Toluene-d8	10.43	98	466510	32.47	ug/l	0.03
Spiked Amount 50.000			Recovery	=	64.94%	
62) 4-Bromofluorobenzene	13.56	95	209427	36.30	ug/l	0.02
Spiked Amount 50.000			Recovery	=	72.60%	
Target Compounds						
					Qvalue	
16) Acetone	3.24	43	6645	6.524	ug/l	92
20) Methylene Chloride	3.83	84	9366	2.202	ug/l #	82
31) Cyclohexane	7.07	56	10514	2.063	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	41418	7.034	ug/l #	45
38) Carbon Tetrachloride	7.07	117	55848	6.852	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.87	63	5458	3.141	ug/l	98
76) 1,2,3-Trichloropropane	13.56	75	86650	24.312	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	90312	89.759	ug/l #	16
95) Naphthalene	16.13	128	38120	4.955	ug/l	99

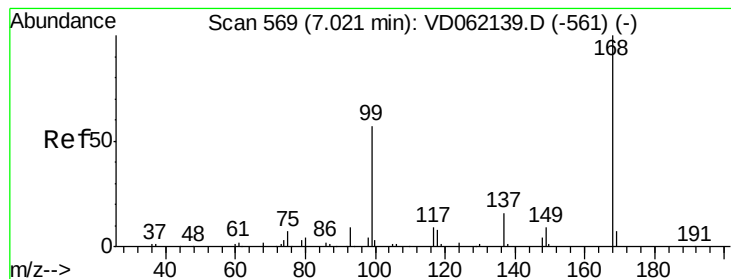
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051419\
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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: VD062349.D

Acq: 14 May 2019 16:30

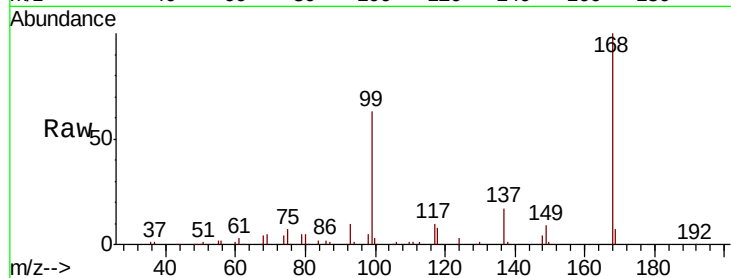
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 522635

Ion Ratio Lower Upper

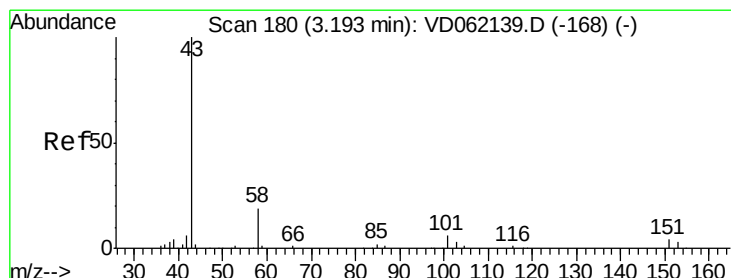
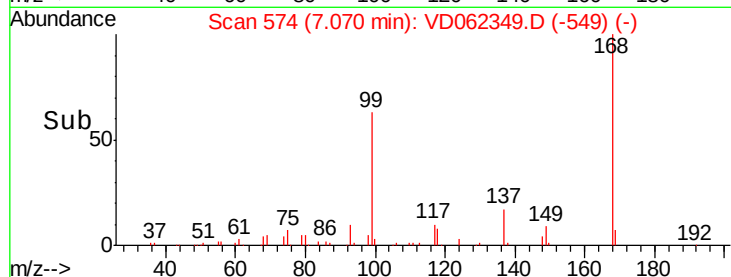
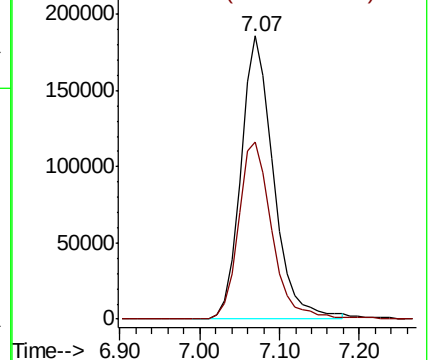
168 100

99 62.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 6.524 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.05 min

Lab File: VD062349.D

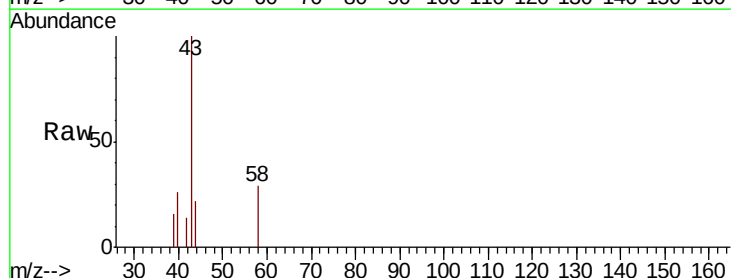
Acq: 14 May 2019 16:30

Tgt Ion: 43 Resp: 6645

Ion Ratio Lower Upper

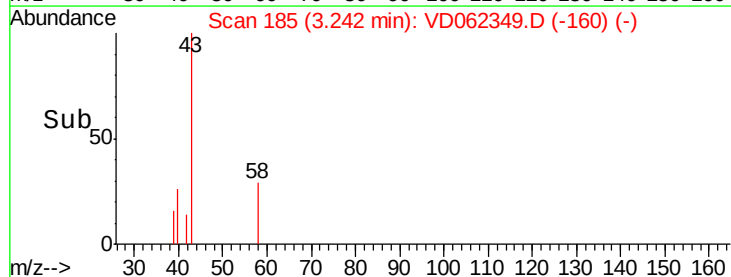
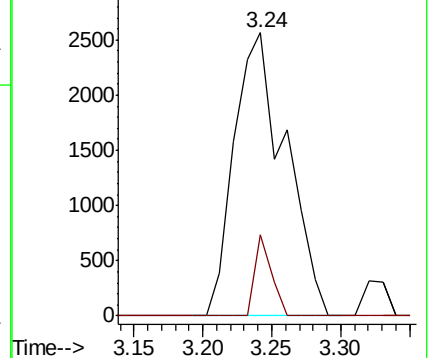
43 100

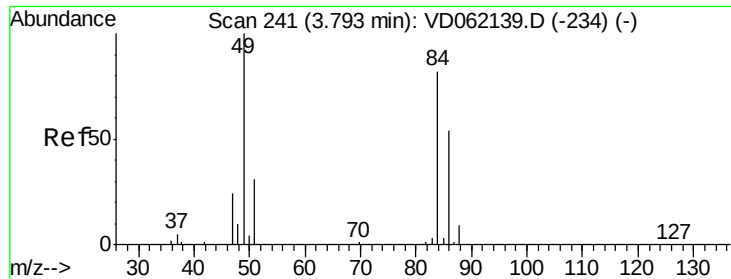
58 28.7 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

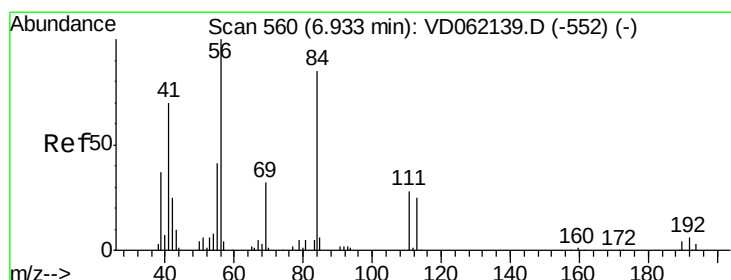
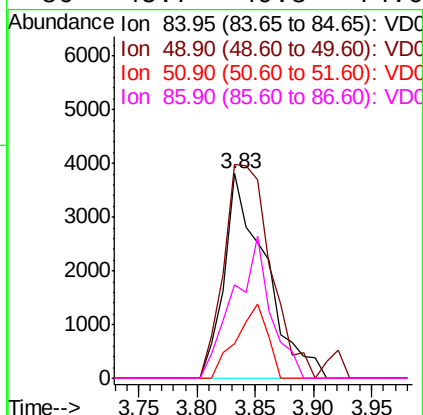
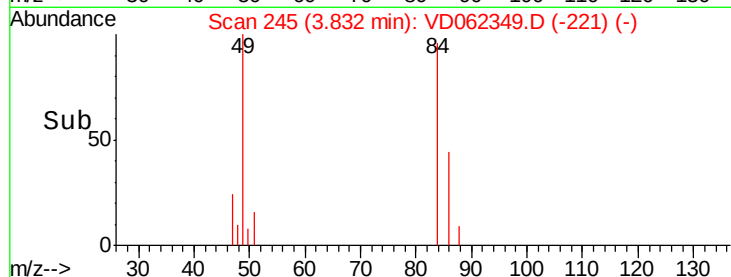
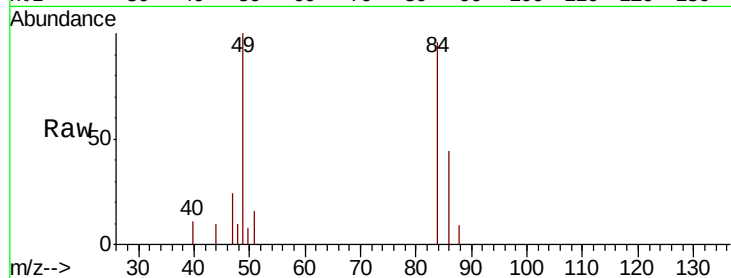




#20
Methylene Chloride
Concen: 2.202 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD062349.D
Acq: 14 May 2019 16:30

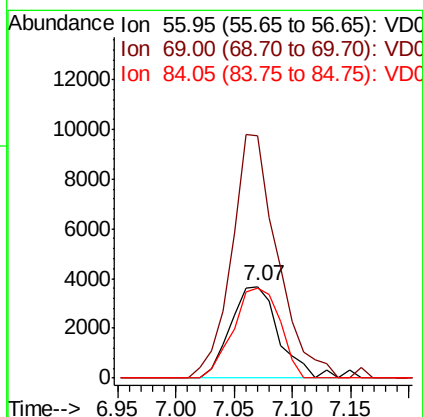
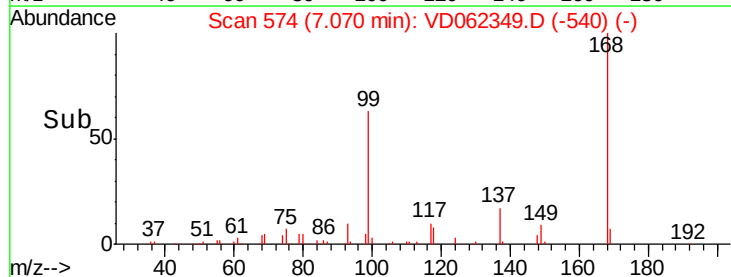
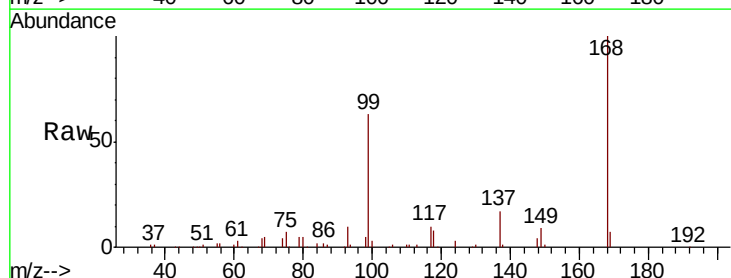
Instrument :
MSVOA_D
ClientSampled :

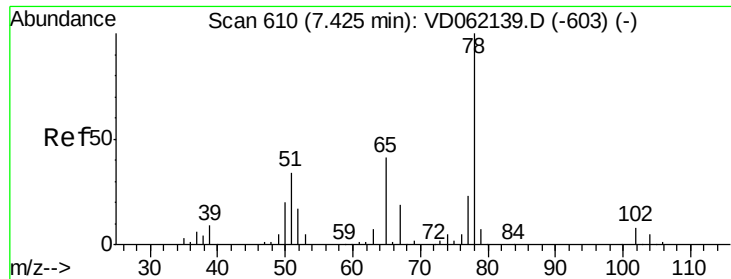
Tot Ion: 84 Resp: 9366
Ion Ratio Lower Upper
84 100
49 104.4 94.0 141.0
51 16.8 29.0 43.4#
86 45.7 49.8 74.6#



#31
Cyclohexane
Concen: 2.063 ug/l
RT: 7.07 min Scan# 574
Delta R.T. 0.14 min
Lab File: VD062349.D
Acq: 14 May 2019 16:30

Tgt Ion: 56 Resp: 10514
Ion Ratio Lower Upper
56 100
69 264.6 25.8 38.6#
84 98.7 72.2 108.4





#33

1,2-Dichloroethane-d4

Concen: 45.982 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062349.D

Acq: 14 May 2019 16:30

Instrument :

MSVOA_D

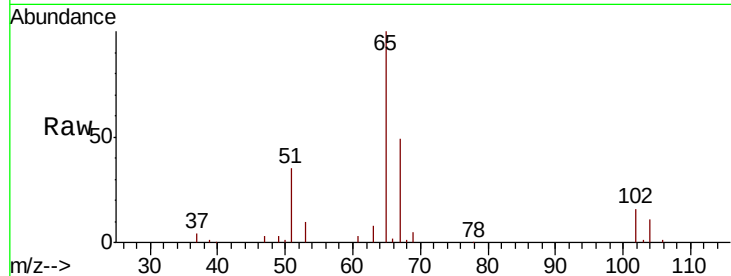
ClientSampled :

Tot Ion: 65 Resp: 223330

Ion Ratio Lower Upper

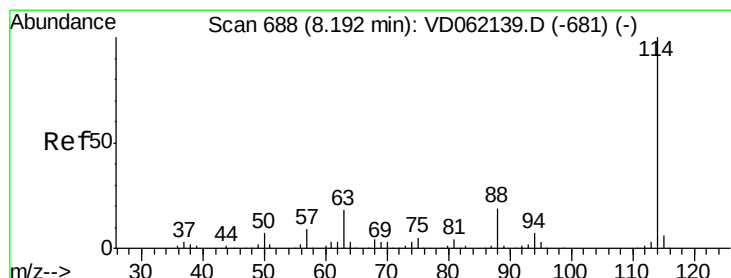
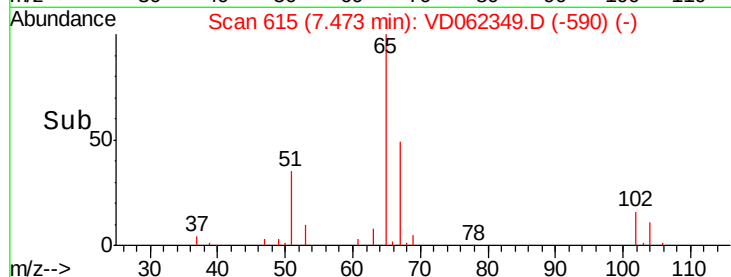
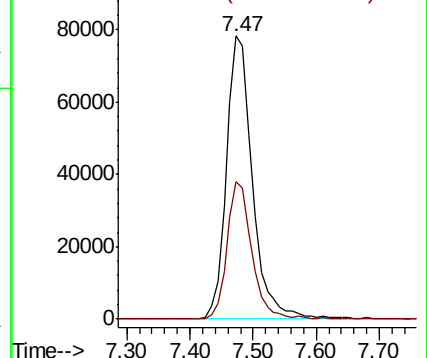
65 100

67 48.6 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: 8.24 min Scan# 693

Delta R.T. 0.05 min

Lab File: VD062349.D

Acq: 14 May 2019 16:30

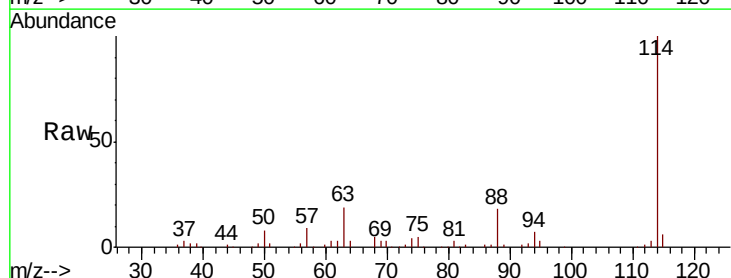
Tgt Ion: 114 Resp: 718197

Ion Ratio Lower Upper

114 100

63 19.3 0.0 32.4

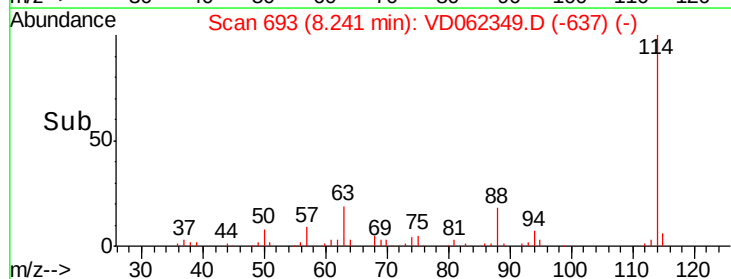
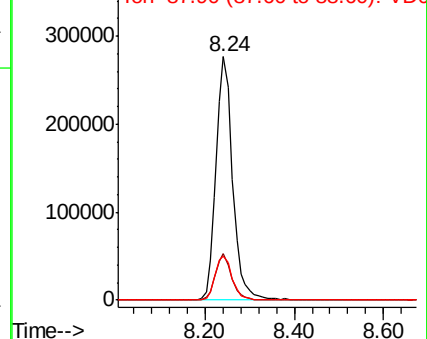
88 18.0 0.0 33.6

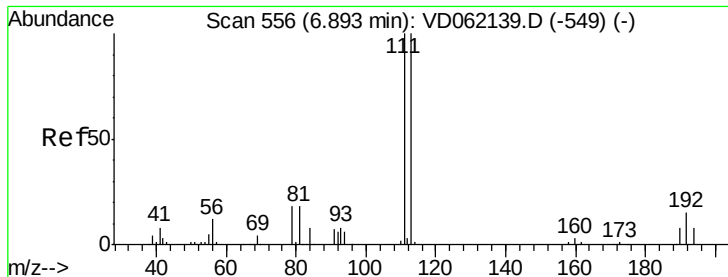


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 41.954 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.06 min

Lab File: VD062349.D

Acq: 14 May 2019 16:30

Instrument :

MSVOA_D

ClientSampleId :

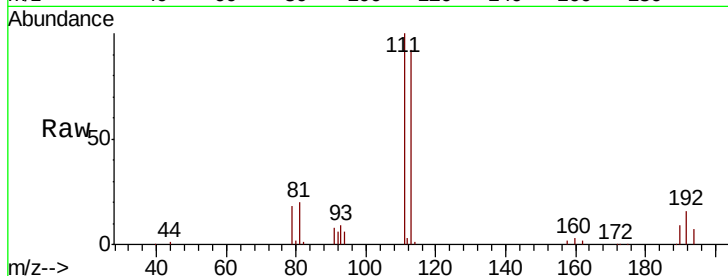
Tot Ion:113 Resp: 250005

Ion Ratio Lower Upper

113 100

111 108.7 78.5 117.7

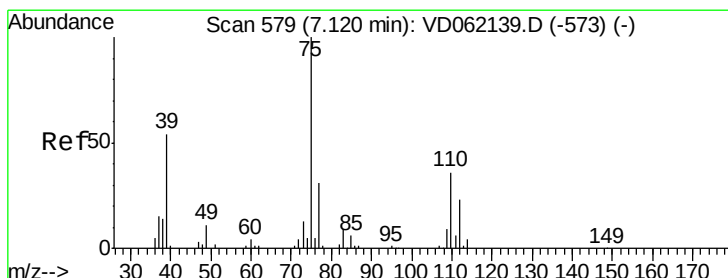
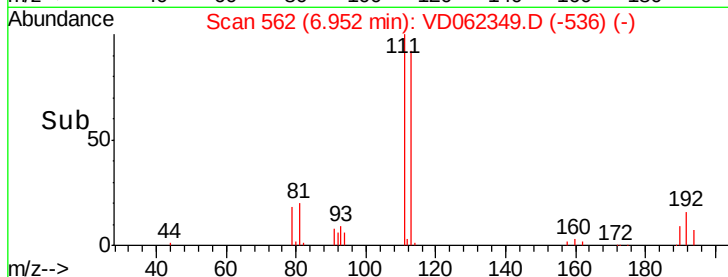
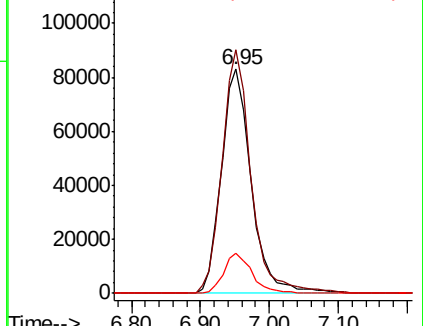
192 17.8 13.0 19.4



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: 7.034 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.06 min

Lab File: VD062349.D

Acq: 14 May 2019 16:30

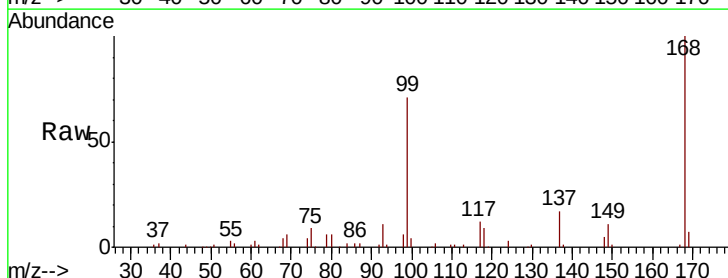
Tgt Ion: 75 Resp: 41418

Ion Ratio Lower Upper

75 100

110 6.4 19.1 57.1#

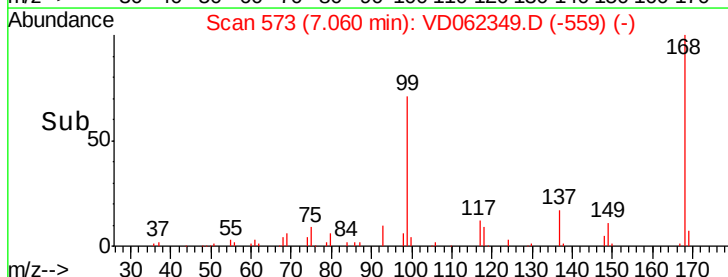
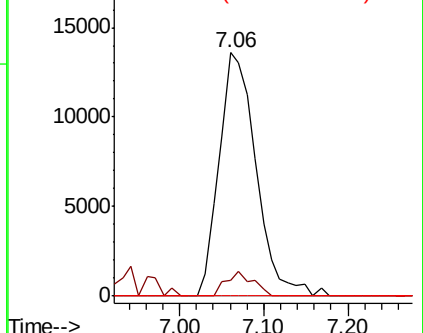
77 0.0 25.6 38.4#

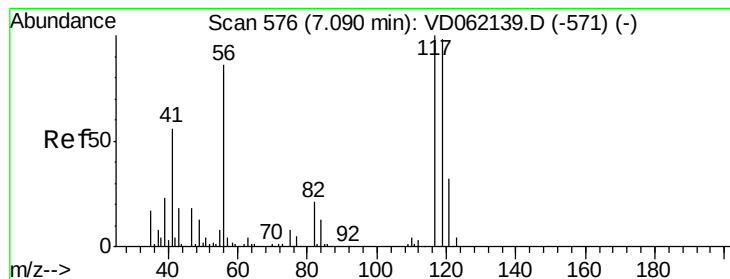


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.852 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.02 min

Lab File: VD062349.D

Acq: 14 May 2019 16:30

Instrument :

MSVOA_D

ClientSampleId :

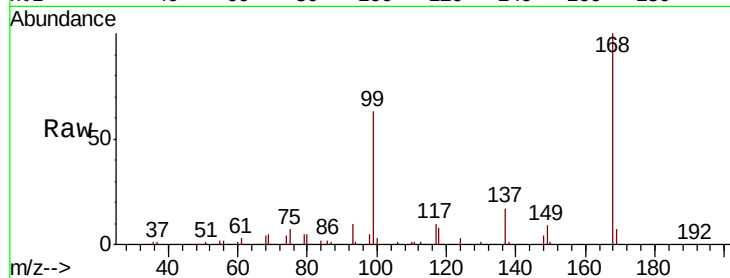
Tot Ion:117 Resp: 55848

Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.8#

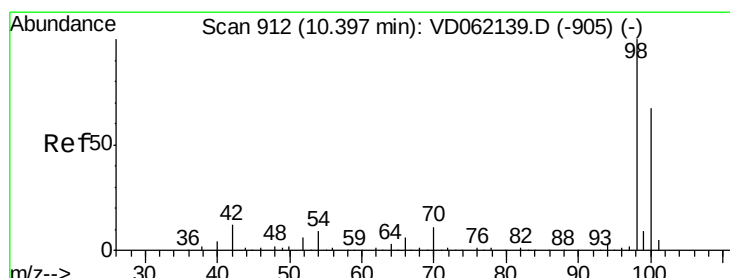
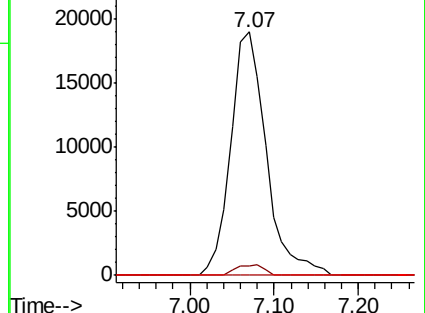
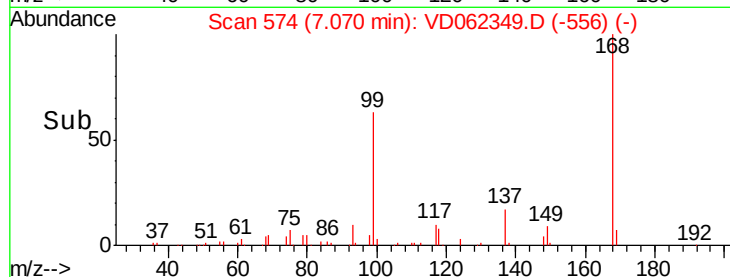
121 0.0 25.9 38.9#



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: 32.470 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD062349.D

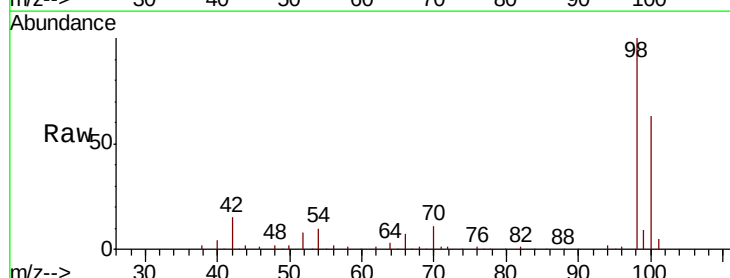
Acq: 14 May 2019 16:30

Tgt Ion: 98 Resp: 466510

Ion Ratio Lower Upper

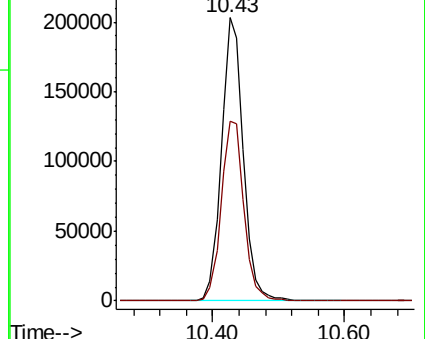
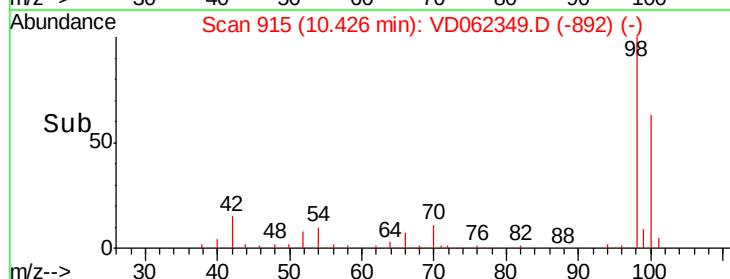
98 100

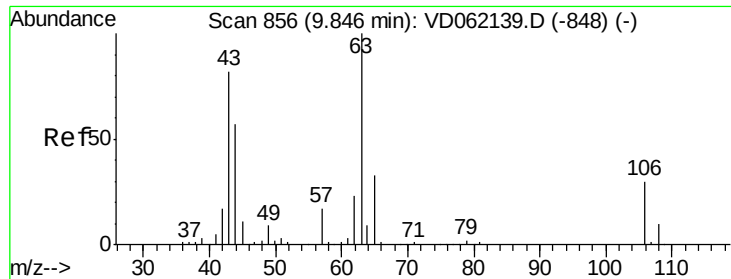
100 63.4 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

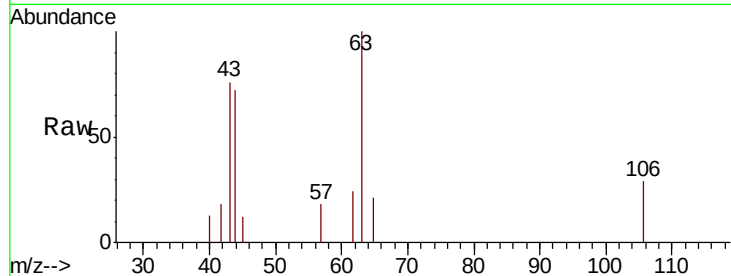




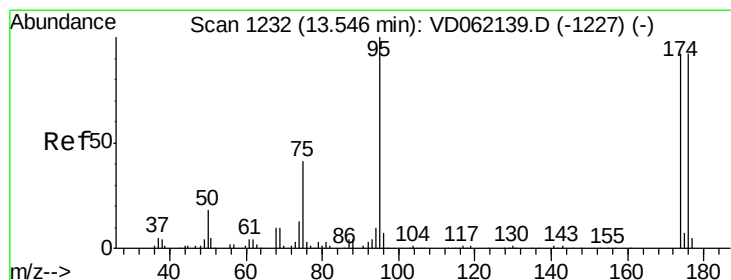
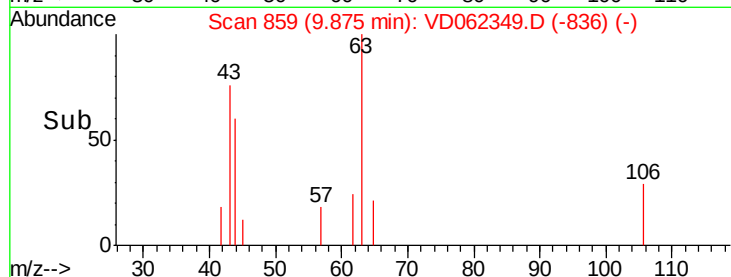
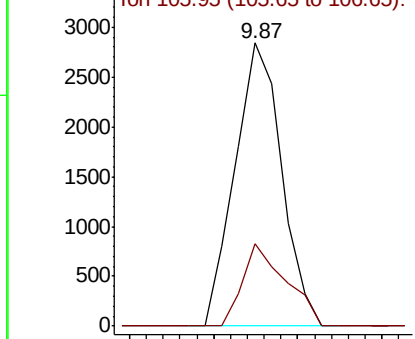
#58
 2-Chloroethyl Vinyl ether
 Concen: 3.141 ug/l
 RT: 9.87 min Scan# 859
 Delta R.T. 0.03 min
 Lab File: VD062349.D
 Acq: 14 May 2019 16:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 63 Resp: 5458
 Ion Ratio Lower Upper
 63 100
 106 29.1 22.6 34.0

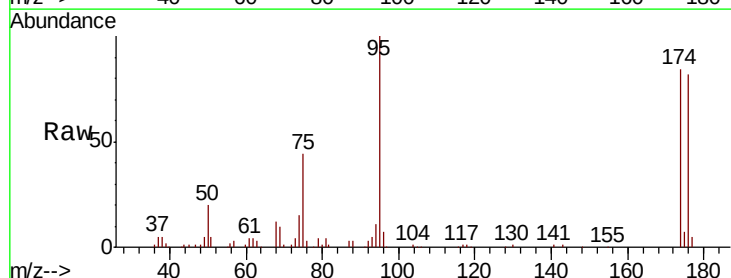


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

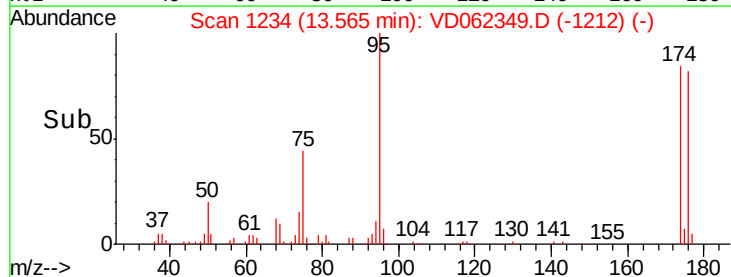
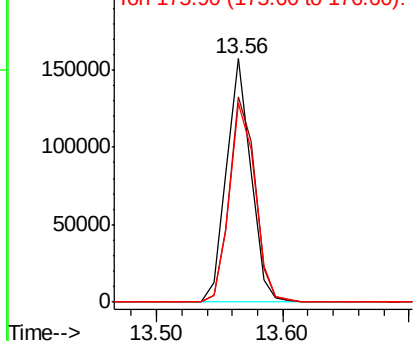


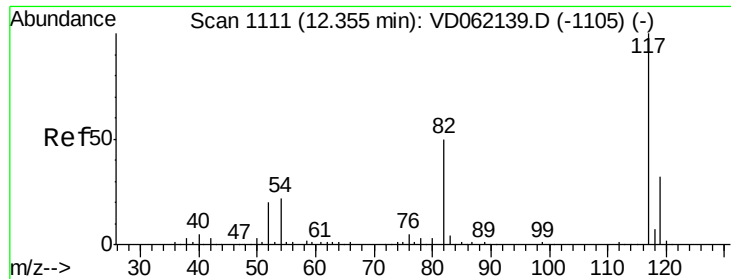
#62
 4-Bromofluorobenzene
 Concen: 36.299 ug/l
 RT: 13.56 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD062349.D
 Acq: 14 May 2019 16:30

Tgt Ion: 95 Resp: 209427
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 181.8
 176 81.7 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

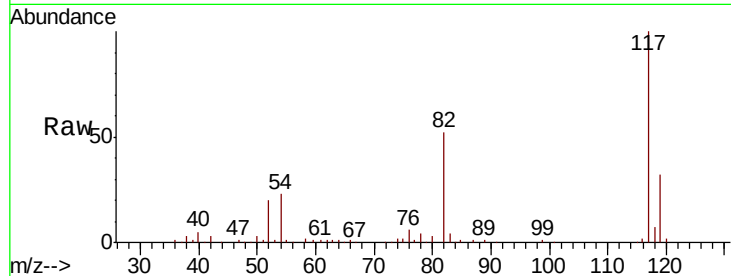




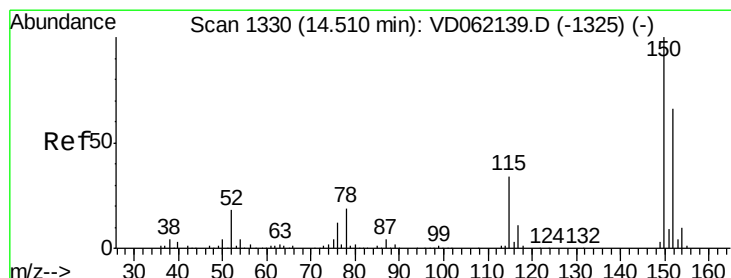
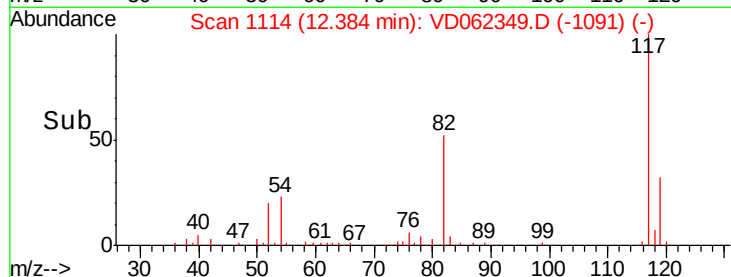
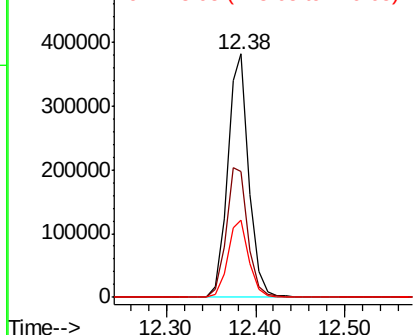
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1114
Delta R.T. 0.03 min
Lab File: VD062349.D
Acq: 14 May 2019 16:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 637801
Ion Ratio Lower Upper
117 100
82 51.8 36.2 54.2
119 31.8 26.2 39.4

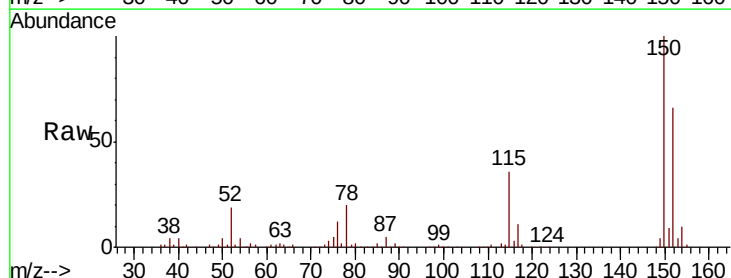


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

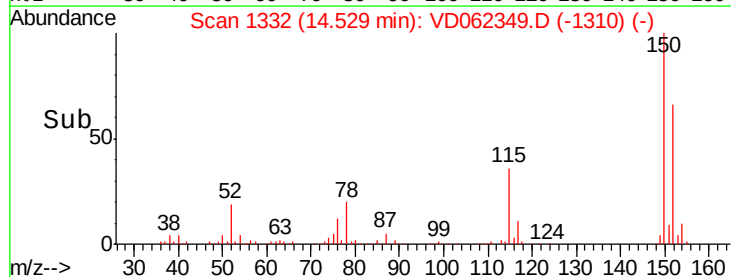
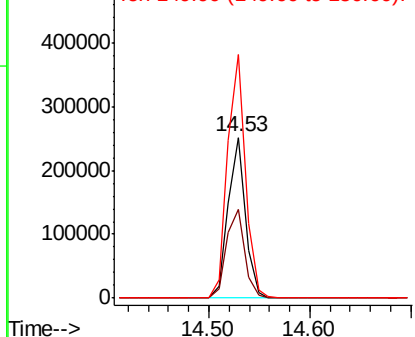


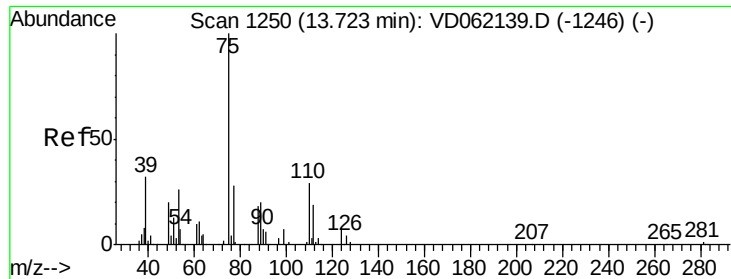
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD062349.D
Acq: 14 May 2019 16:30

Tgt Ion:152 Resp: 299900
Ion Ratio Lower Upper
152 100
115 55.2 30.9 92.7
150 151.8 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: 24.312 ug/l

RT: 13.56 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062349.D

Acq: 14 May 2019 16:30

Instrument :

MSVOA_D

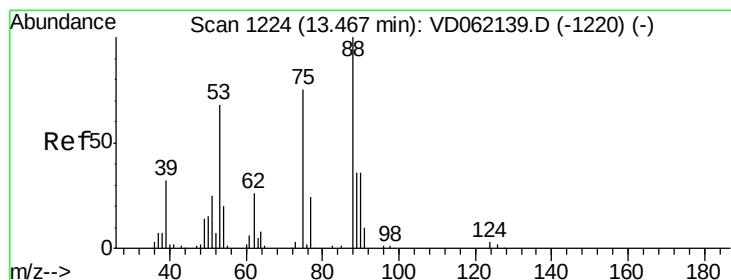
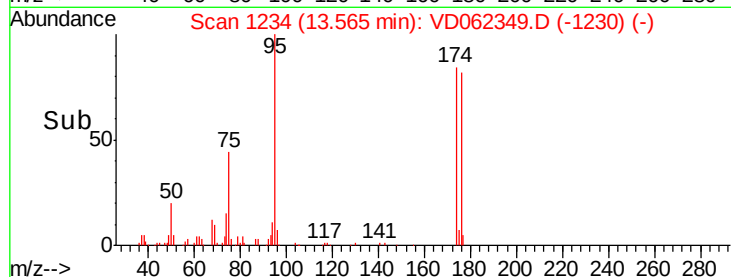
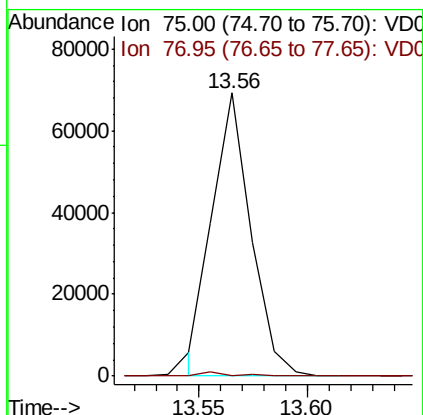
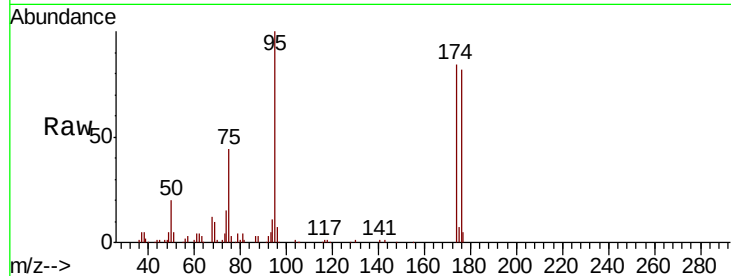
ClientSampleId :

Tot Ion: 75 Resp: 86650

Ion Ratio Lower Upper

75 100

77 0.0 16.4 49.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.759 ug/l

RT: 13.56 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062349.D

Acq: 14 May 2019 16:30

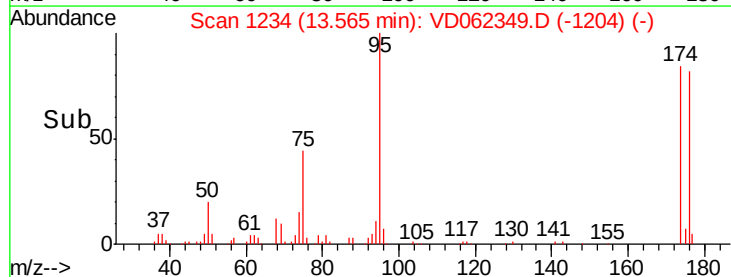
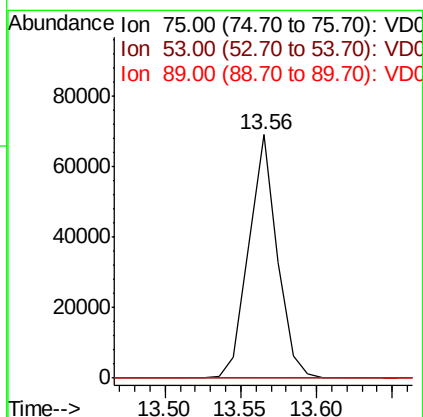
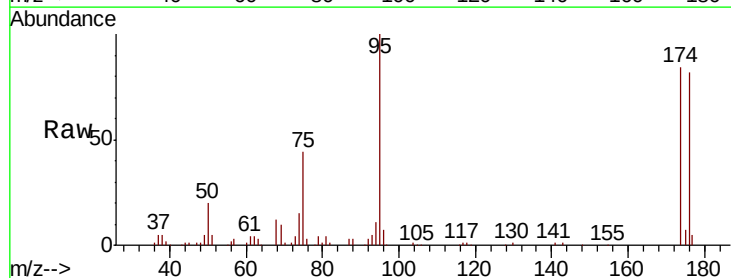
Tgt Ion: 75 Resp: 90312

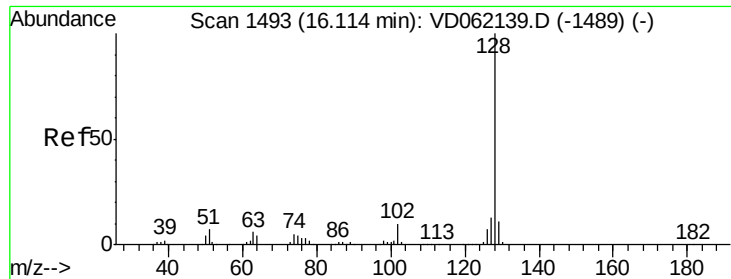
Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#





#95
 Naphthalene
 Concen: 4.955 ug/l
 RT: 16.13 min Scan# 1495
 Delta R.T. 0.02 min
 Lab File: VD062349.D
 Acq: 14 May 2019 16:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.8	14.8
129	10.2	8.8	13.2

