

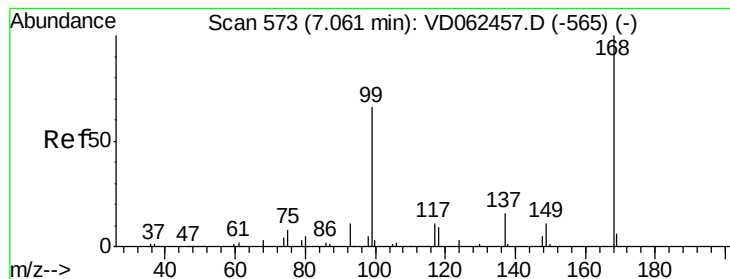
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\
 Data File : VD062480.D
 Acq On : 21 May 2019 14:49
 Operator : VA/AP
 Sample : K2962-11
 Misc : 3.28g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 22 01:44:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	603616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	829355	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	690252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	373792	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	228076	35.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.60%	
35) Dibromofluoromethane	6.94	113	283099	37.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.68%	
50) Toluene-d8	10.41	98	541040	33.04	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	66.08%	
62) 4-Bromofluorobenzene	13.56	95	272333	38.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.04%	
Target Compounds						
2) Dichlorodifluoromethane	1.59	85	290	Below Cal	#	42
16) Acetone	3.24	43	15566	13.444	ug/l #	74
20) Methylene Chloride	3.84	84	18360	Below Cal	#	92
31) Cyclohexane	7.06	56	12176	1.996	ug/l #	8
36) 1,1-Dichloropropene	7.06	75	47398	5.978	ug/l #	48
38) Carbon Tetrachloride	7.06	117	60699	5.151	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.55	75	121438	97.798	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD062480.D

Acq: 21 May 2019 14:49

Instrument :

MSVOA_D

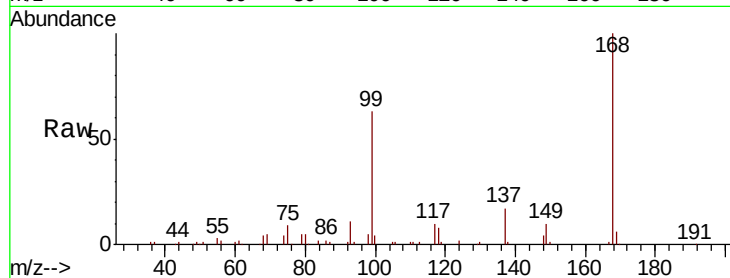
ClientSampleId :

Tot Ion:168 Resp: 603616

Ion Ratio Lower Upper

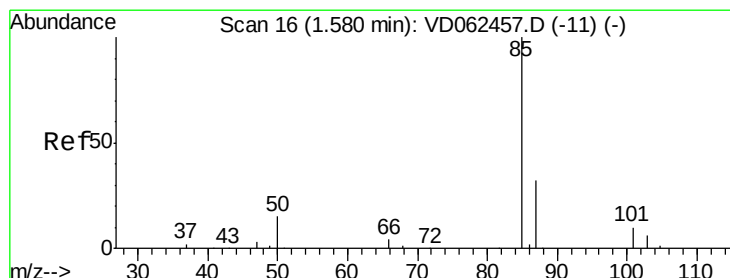
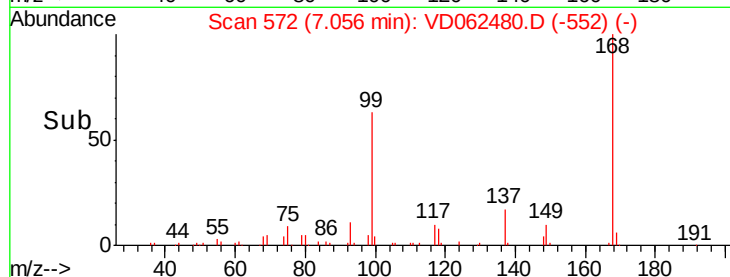
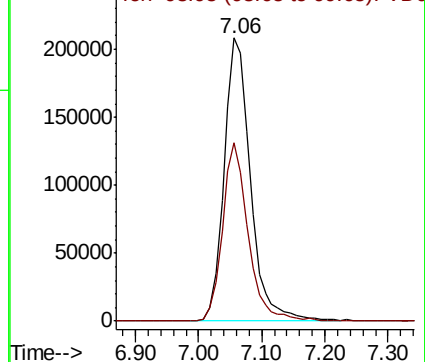
168 100

99 63.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD062480.D

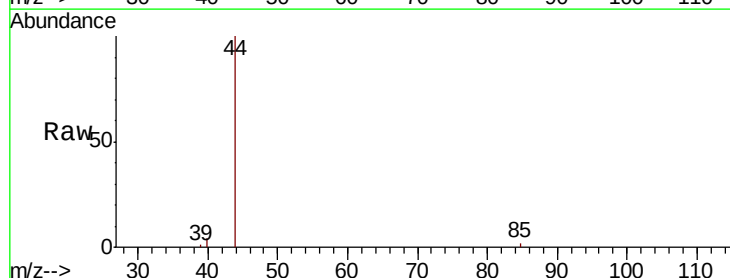
Acq: 21 May 2019 14:49

Tgt Ion: 85 Resp: 290

Ion Ratio Lower Upper

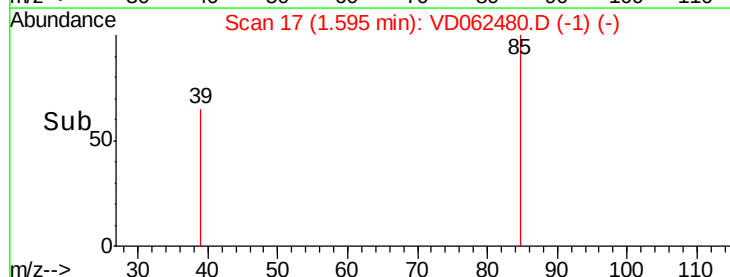
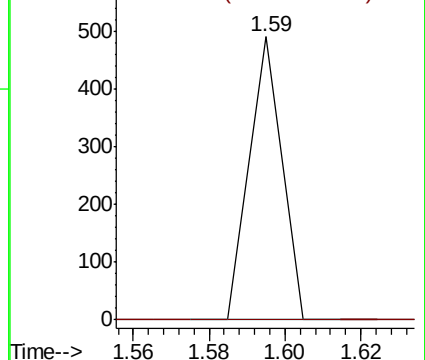
85 100

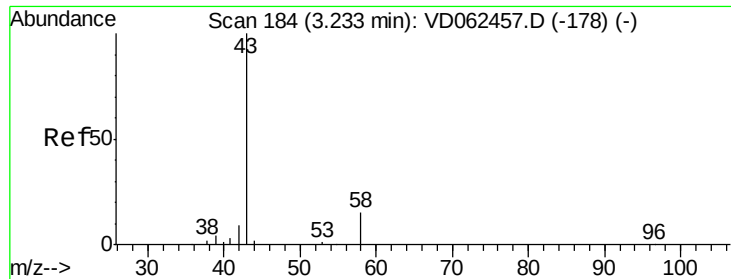
87 0.0 16.2 48.6#



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V





#16

Acetone

Concen: 13.444 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062480.D

Acq: 21 May 2019 14:49

Instrument :

MSVOA_D

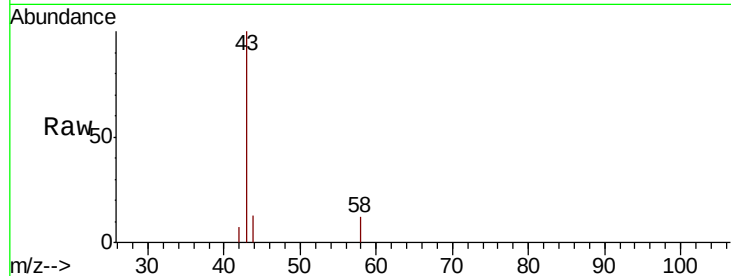
ClientSampleId :

Tot Ion: 43 Resp: 15566

Ion Ratio Lower Upper

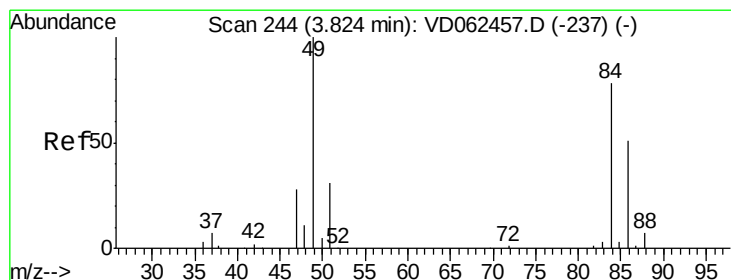
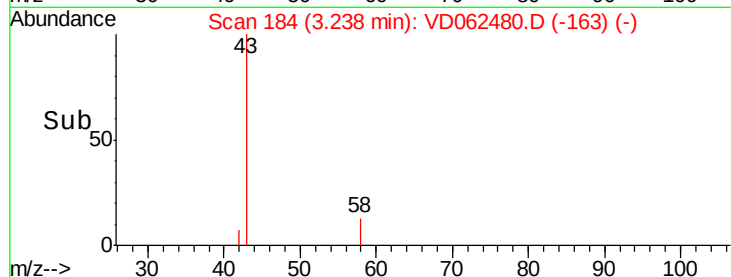
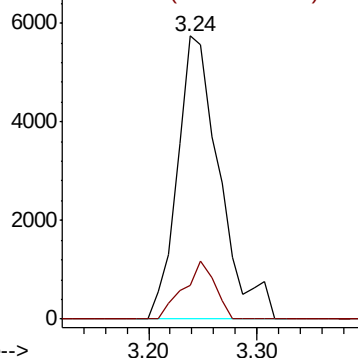
43 100

58 11.9 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: Below Cal

RT: 3.84 min Scan# 245

Delta R.T. 0.02 min

Lab File: VD062480.D

Acq: 21 May 2019 14:49

Tgt Ion: 84 Resp: 18360

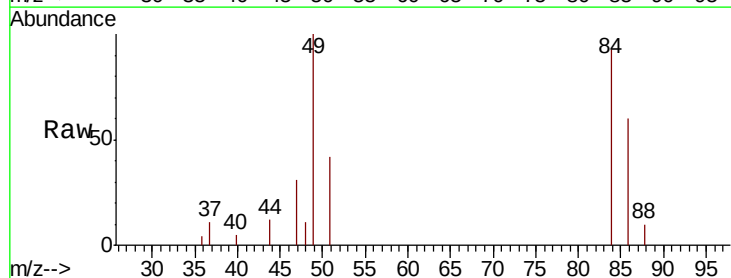
Ion Ratio Lower Upper

84 100

49 108.0 94.0 141.0

51 45.3 29.0 43.4#

86 64.6 49.8 74.6

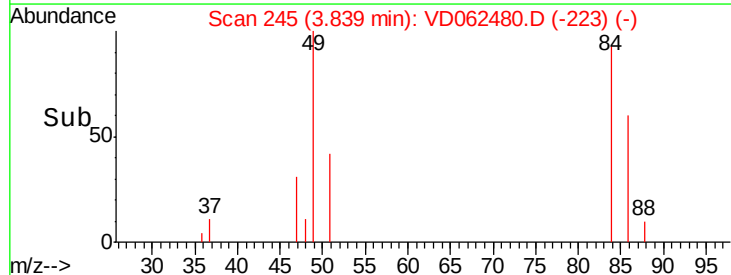
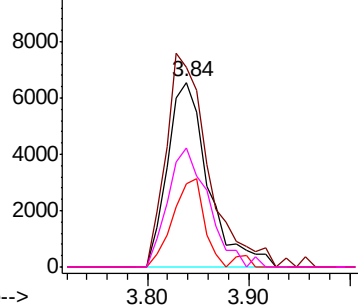


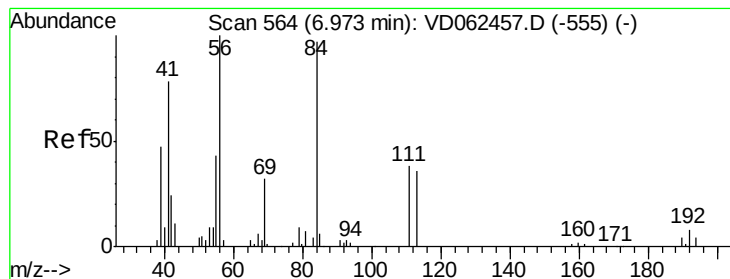
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#31

Cyclohexane

Concen: 1.996 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.08 min

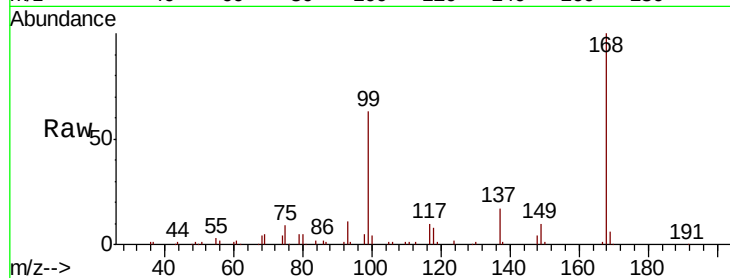
Lab File: VD062480.D

Acq: 21 May 2019 14:49

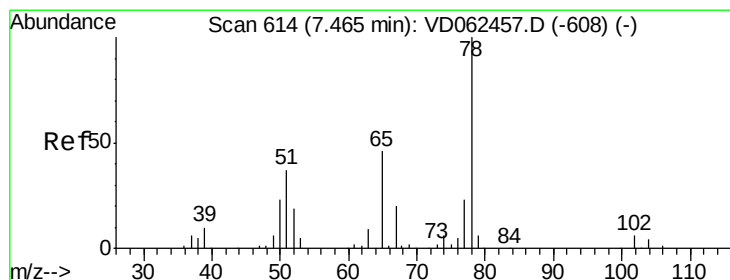
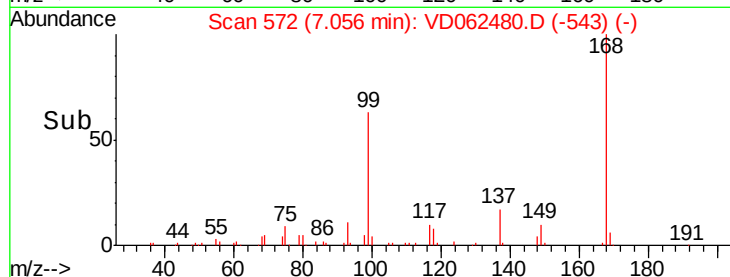
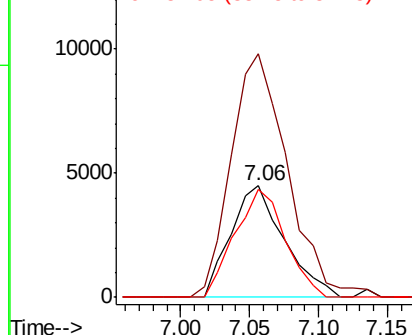
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 12176

Ion	Ratio	Lower	Upper
56	100		
69	218.5	25.8	38.6#
84	96.5	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: 35.299 ug/l

RT: 7.47 min Scan# 614

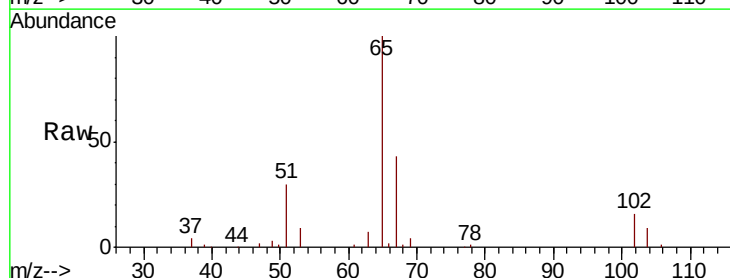
Delta R.T. 0.01 min

Lab File: VD062480.D

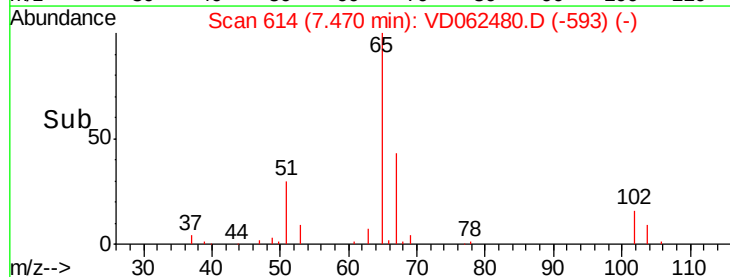
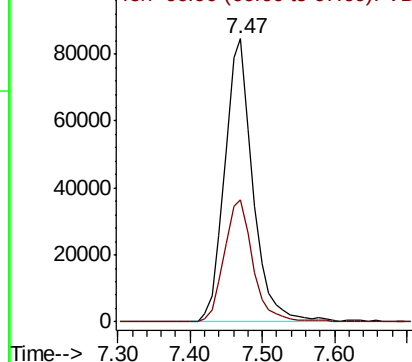
Acq: 21 May 2019 14:49

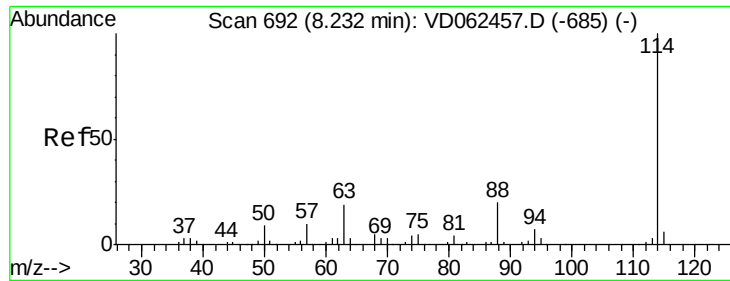
Tgt Ion: 65 Resp: 228076

Ion	Ratio	Lower	Upper
65	100		
67	42.9	0.0	98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

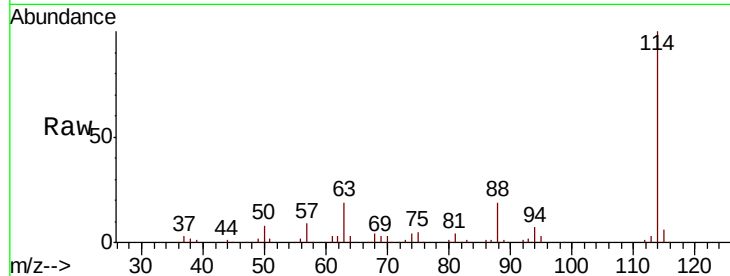




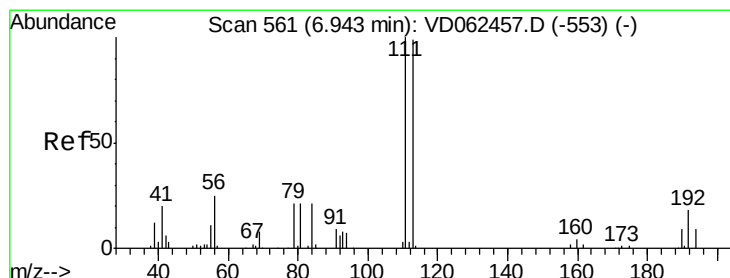
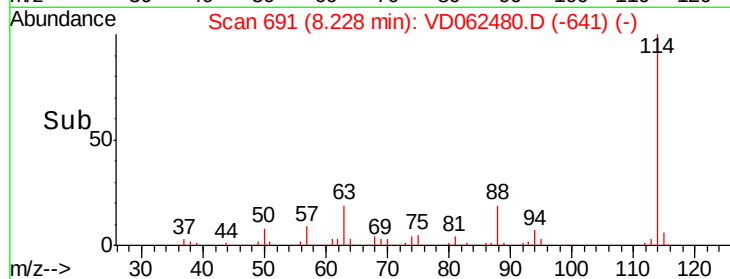
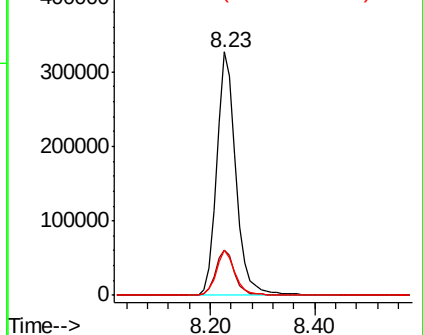
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD062480.D
 Acq: 21 May 2019 14:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 829355
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 32.4
 88 18.6 0.0 33.6

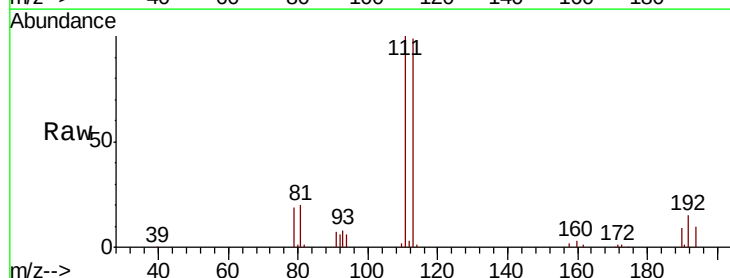


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

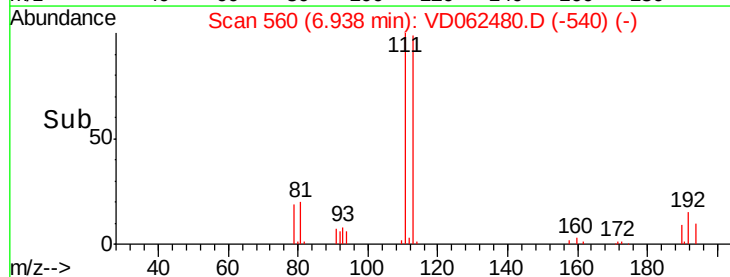
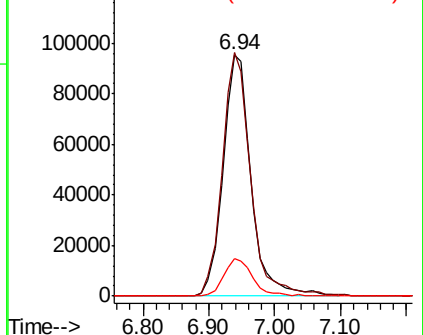


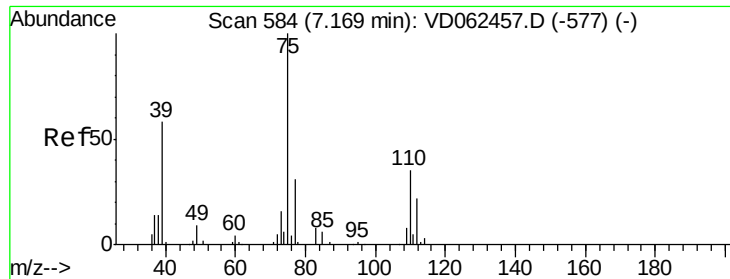
#35
 Dibromofluoromethane
 Concen: 37.838 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. -0.00 min
 Lab File: VD062480.D
 Acq: 21 May 2019 14:49

Tgt Ion:113 Resp: 283099
 Ion Ratio Lower Upper
 113 100
 111 101.0 78.5 117.7
 192 15.3 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

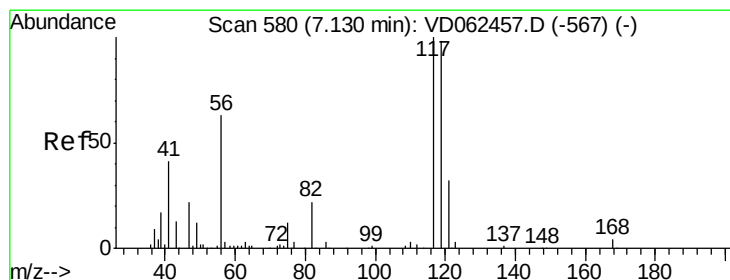
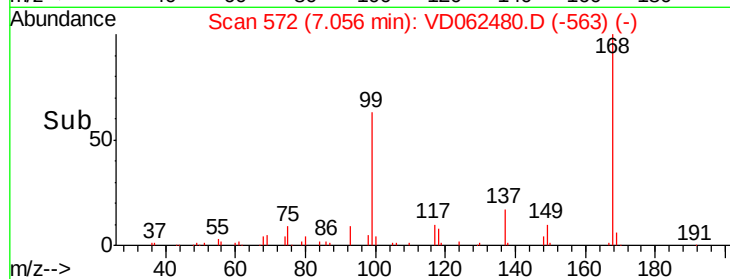
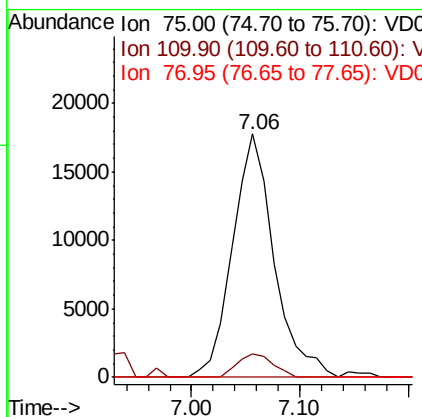
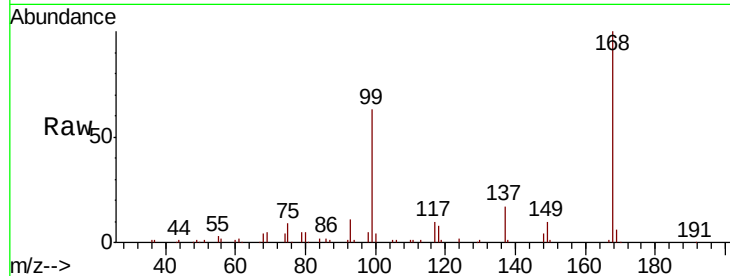




#36
 1,1-Dichloropropene
 Concen: 5.978 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.11 min
 Lab File: VD062480.D
 Acq: 21 May 2019 14:49

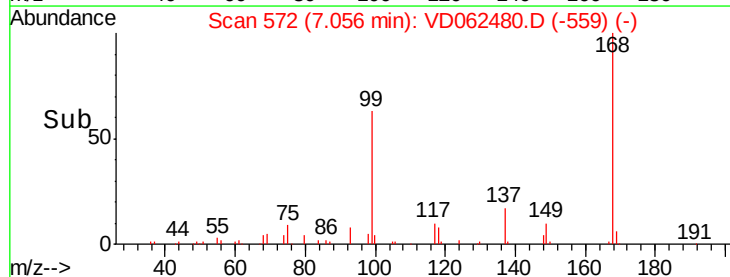
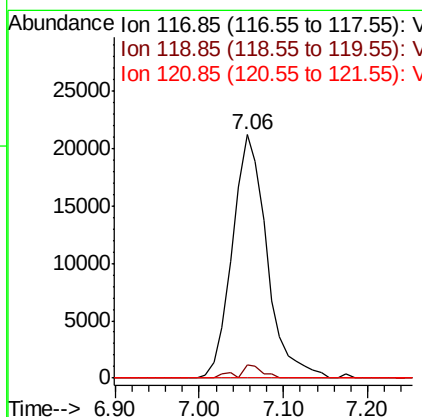
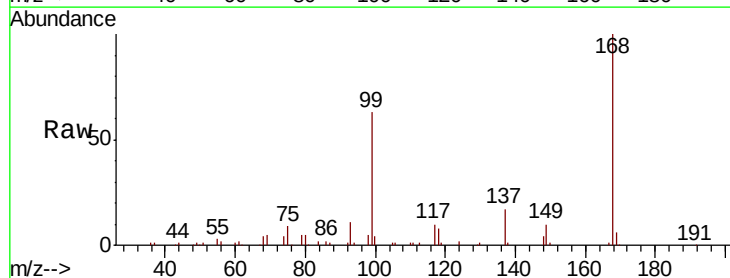
Instrument :
 MSVOA_D
 ClientSampled :

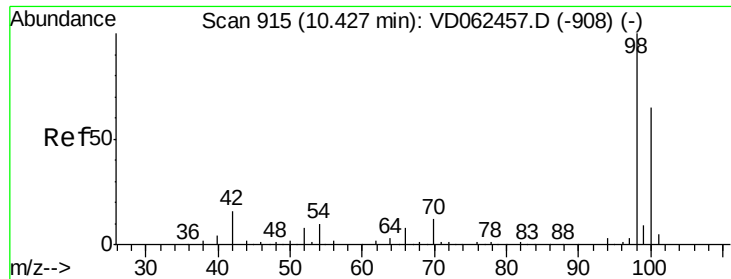
Tot Ion	75	Resp	47398
Ion Ratio	Lower	Upper	
75	100		
110	9.8	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.151 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.07 min
 Lab File: VD062480.D
 Acq: 21 May 2019 14:49

Tgt Ion	117	Resp	60699
Ion Ratio	Lower	Upper	
117	100		
119	5.4	75.8	113.8#
121	0.0	25.9	38.9#

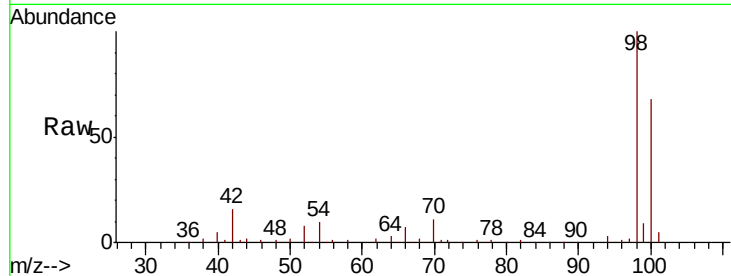




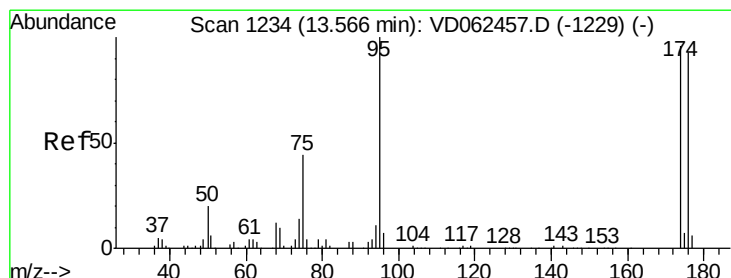
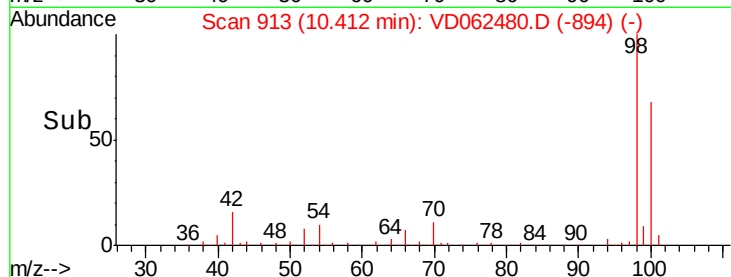
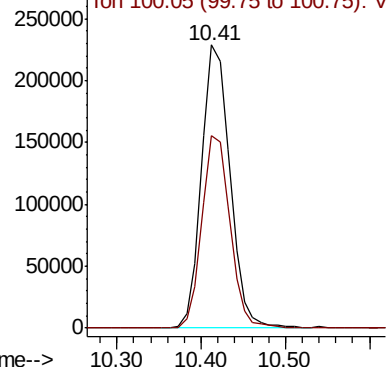
#50
Toluene-d8
Concen: 33.044 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD062480.D
Acq: 21 May 2019 14:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 541040
Ion Ratio Lower Upper
98 100
100 68.1 53.8 80.8

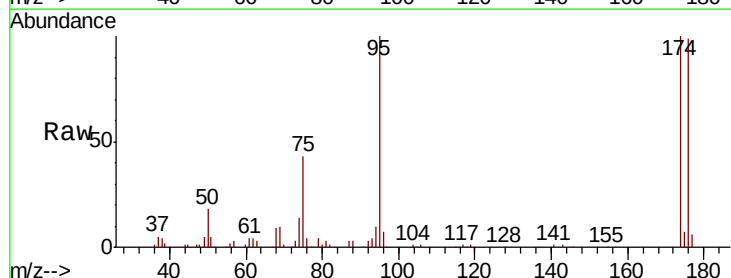


Abundance Ion 98.05 (97.75 to 98.75): VD062457.D (-908) (-)
Ion 100.05 (99.75 to 100.75): VD062457.D (-908) (-)

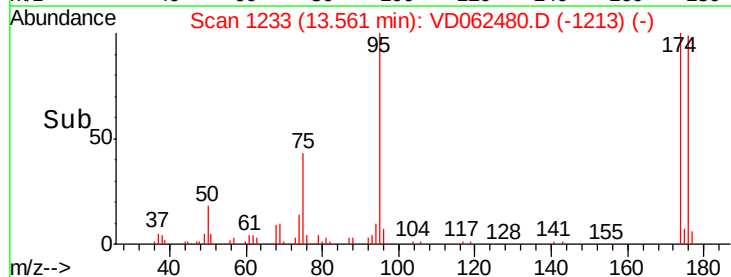
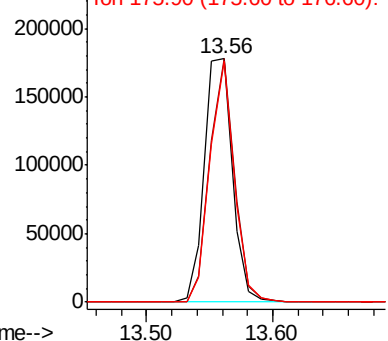


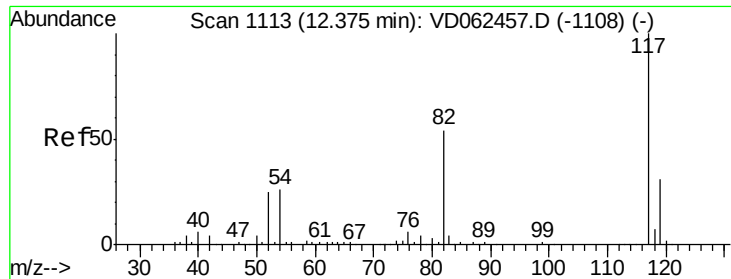
#62
4-Bromofluorobenzene
Concen: 38.024 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD062480.D
Acq: 21 May 2019 14:49

Tgt Ion: 95 Resp: 272333
Ion Ratio Lower Upper
95 100
174 99.9 0.0 181.8
176 98.8 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD062457.D (-1229) (-)
Ion 173.90 (173.60 to 174.60): VD062457.D (-1229) (-)
Ion 175.90 (175.60 to 176.60): VD062457.D (-1229) (-)

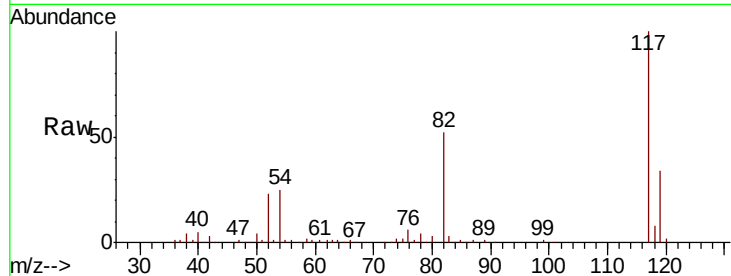




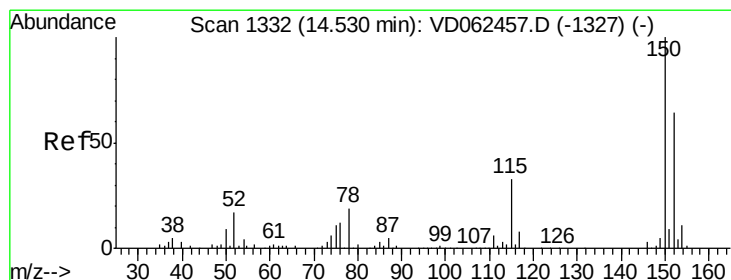
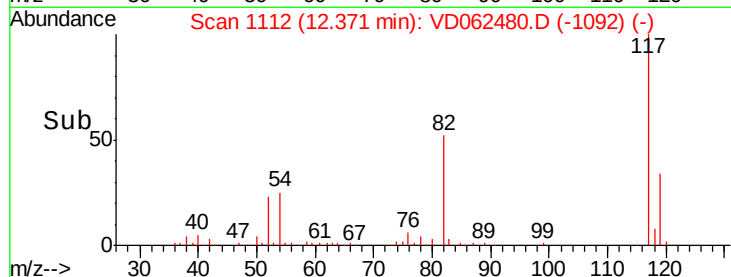
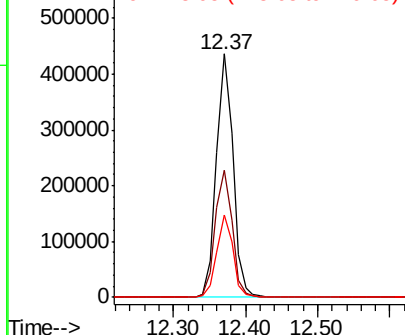
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062480.D
Acq: 21 May 2019 14:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 690252
Ion Ratio Lower Upper
117 100
82 52.5 36.2 54.2
119 33.6 26.2 39.4

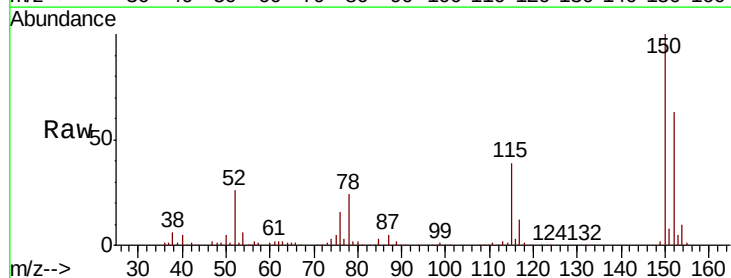


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

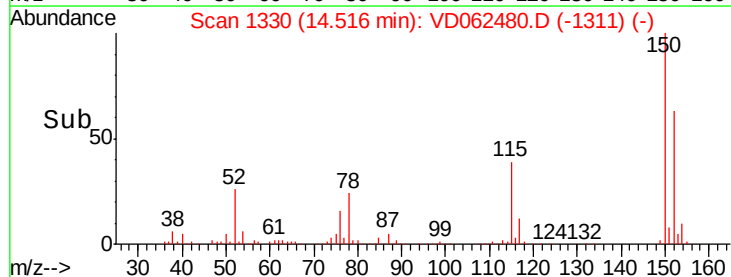
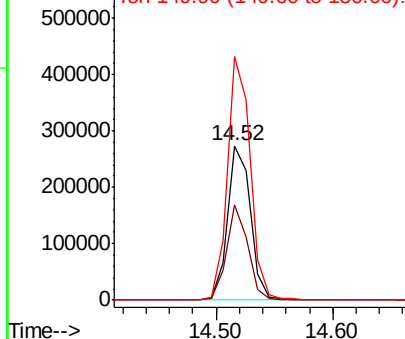


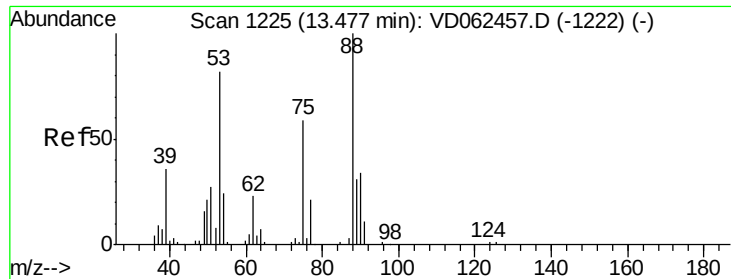
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062480.D
Acq: 21 May 2019 14:49

Tgt Ion:152 Resp: 373792
Ion Ratio Lower Upper
152 100
115 61.8 30.9 92.7
150 157.5 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





#81

trans-1,4-Dichloro-2-butene

Concen: 97.798 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062480.D

Acq: 21 May 2019 14:49

Instrument :

MSVOA_D

ClientSampleId :

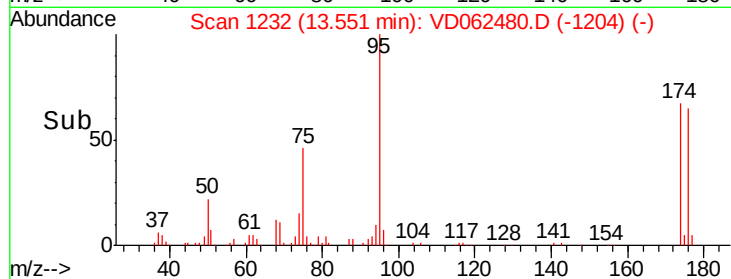
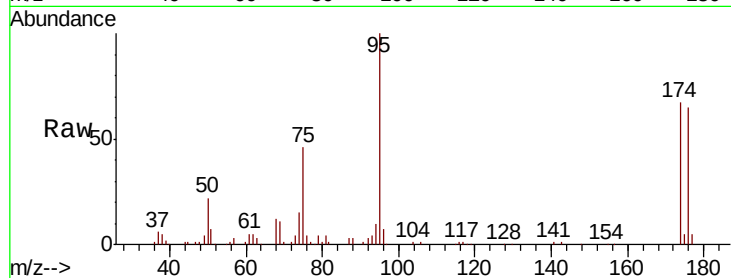
Tot Ion: 75 Resp: 121438

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

