

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\
 Data File : VD062494.D
 Acq On : 21 May 2019 21:07
 Operator : VA/AP
 Sample : K2971-03RE
 Misc : 5.69g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 22 01:46:34 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	7.04	168	548225	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	754068	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	612890	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	301826	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	187835	32.01	ug/l	-0.02
Spiked Amount			Recovery	=	64.02%	
35) Dibromofluoromethane	6.92	113	244524	35.95	ug/l	-0.03
Spiked Amount			Recovery	=	71.90%	
50) Toluene-d8	10.40	98	489036	32.85	ug/l	-0.03
Spiked Amount			Recovery	=	65.70%	
62) 4-Bromofluorobenzene	13.55	95	211282	32.44	ug/l	-0.02
Spiked Amount			Recovery	=	64.88%	

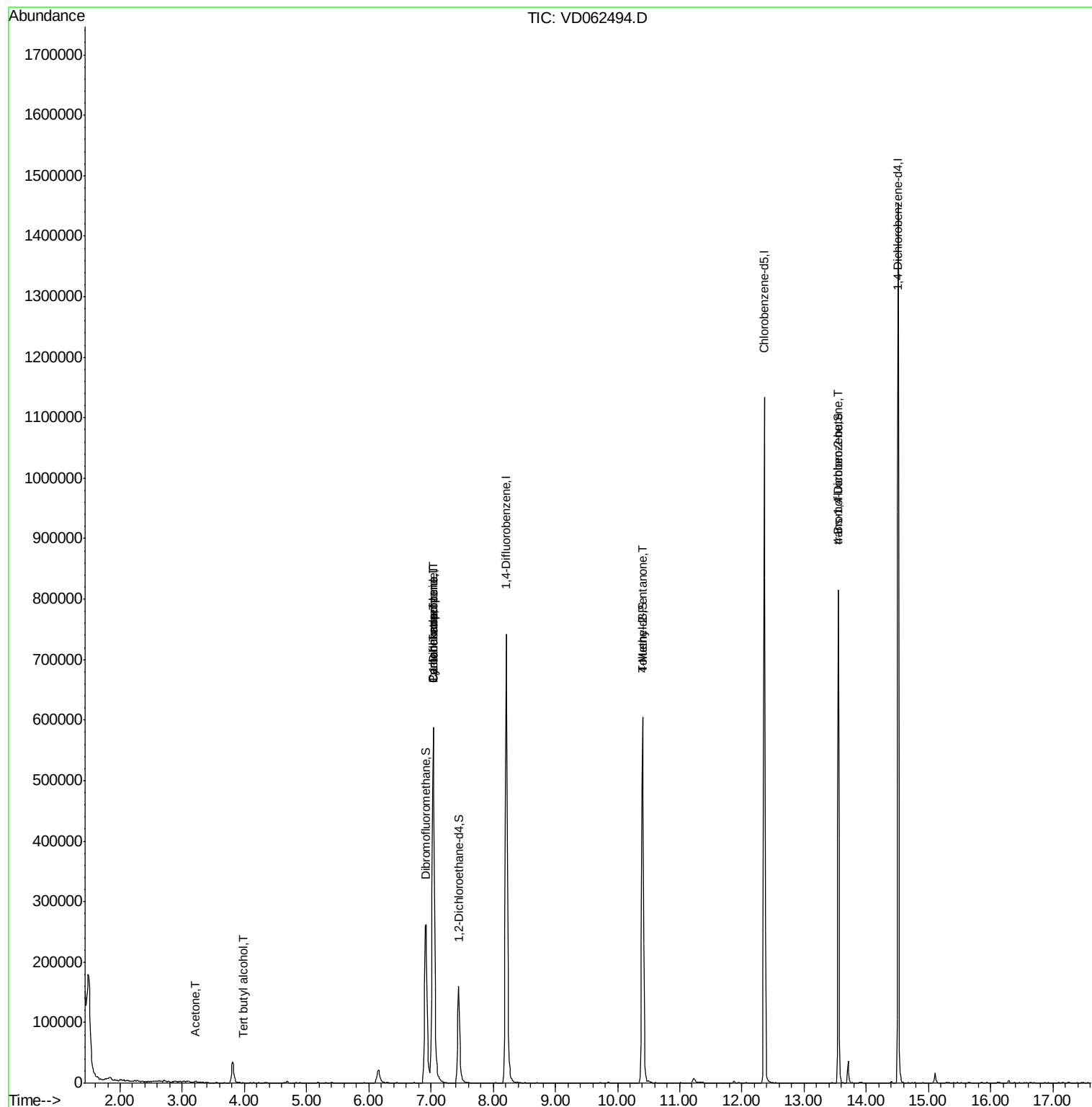
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.97	59	373	1.377	ug/l #	76
16) Acetone	3.21	43	5287	5.028	ug/l #	50
20) Methylene Chloride	3.81	84	24069	Below Cal		96
31) Cyclohexane	7.04	56	11549	2.084	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	42583	5.907	ug/l #	48
38) Carbon Tetrachloride	7.04	117	56003	5.227	ug/l #	14
51) 4-Methyl-2-Pentanone	10.40	43	2861	1.166	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	95115	94.864	ug/l #	16

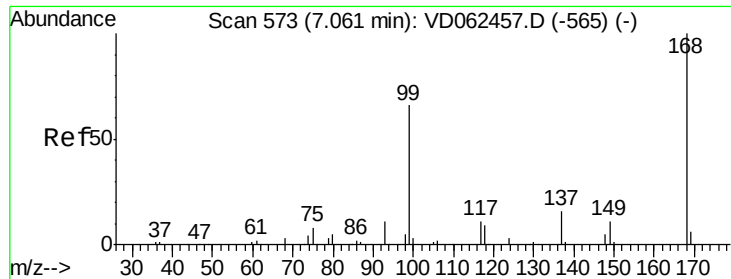
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD062494.D

Acq: 21 May 2019 21:07

Instrument :

MSVOA_D

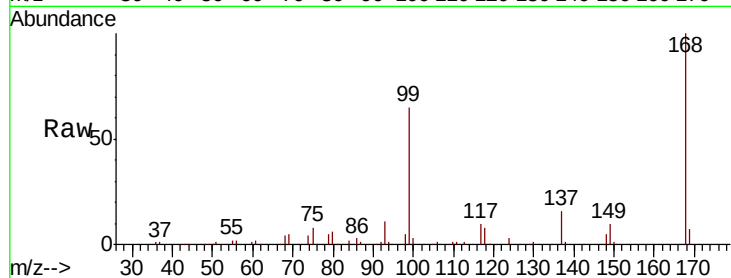
ClientSampled :

Tot Ion:168 Resp: 548225

Ion Ratio Lower Upper

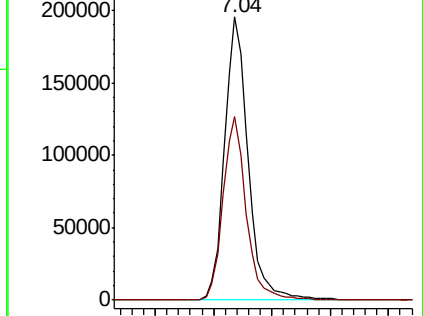
168 100

99 65.0 46.5 69.7

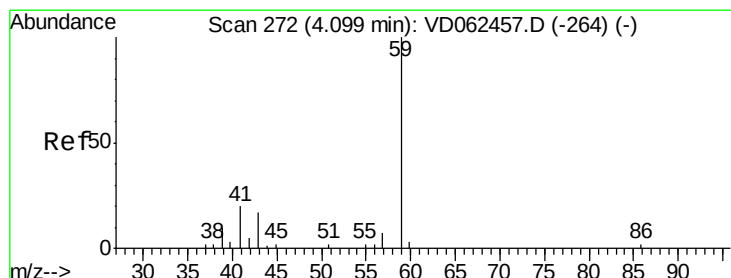
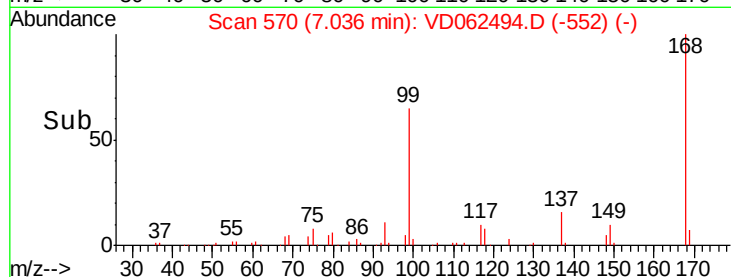


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



Time-->



#11

Tert butyl alcohol

Concen: 1.377 ug/l

RT: 3.97 min Scan# 258

Delta R.T. -0.13 min

Lab File: VD062494.D

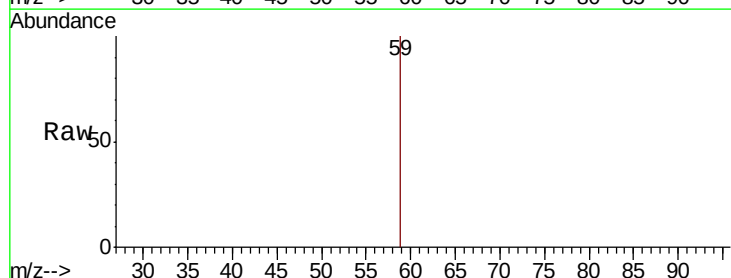
Acq: 21 May 2019 21:07

Tgt Ion: 59 Resp: 373

Ion Ratio Lower Upper

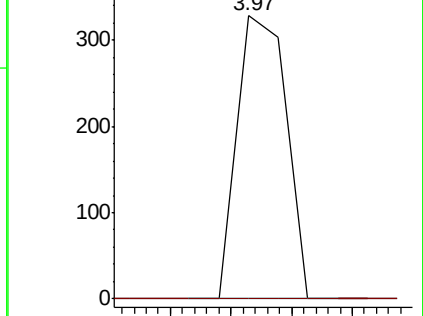
59 100

57 0.0 6.9 10.3#

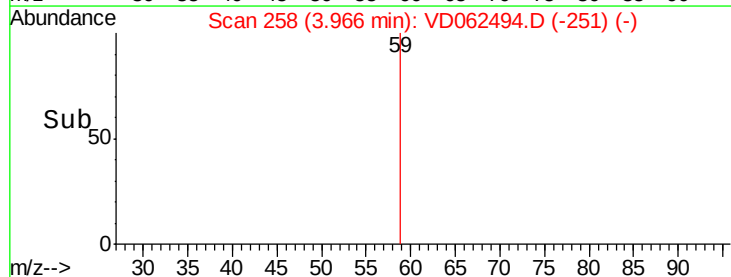


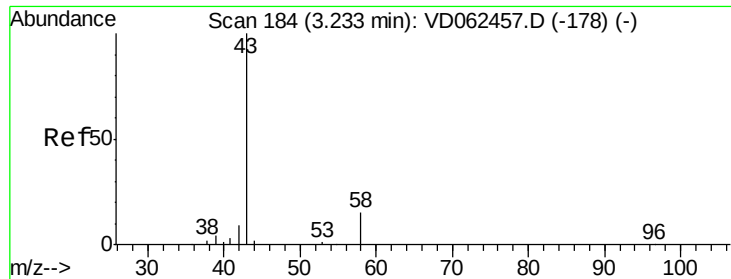
Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



Time-->





#16

Acetone

Concen: 5.028 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD062494.D

Acq: 21 May 2019 21:07

Instrument :

MSVOA_D

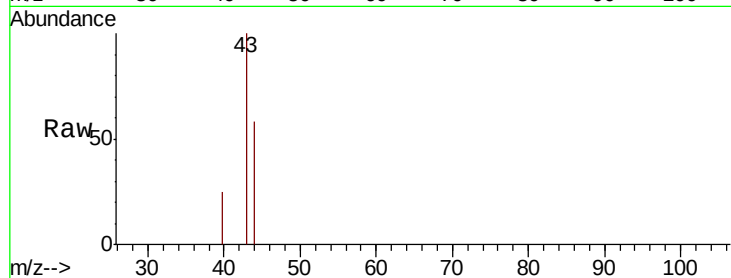
ClientSampleId :

Tot Ion: 43 Resp: 5287

Ion Ratio Lower Upper

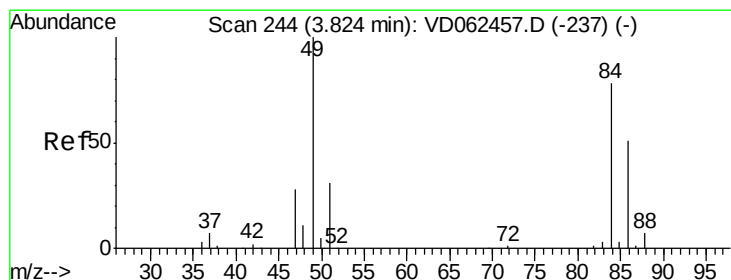
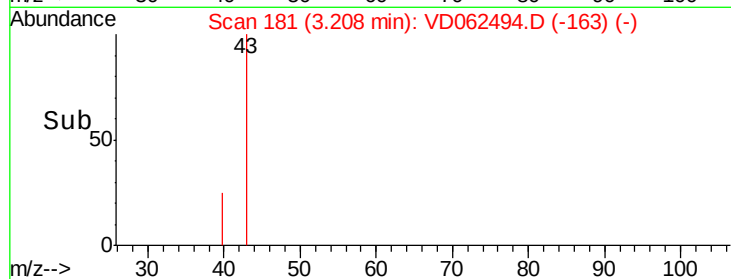
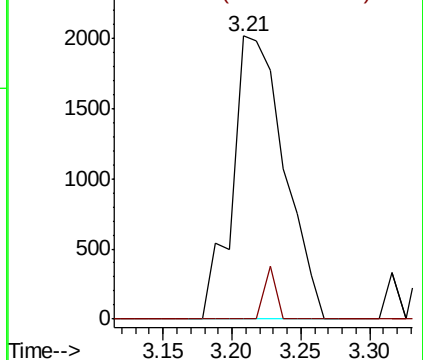
43 100

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



#20

Methylene Chloride

Concen: Below Cal

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD062494.D

Acq: 21 May 2019 21:07

Tgt Ion: 84 Resp: 24069

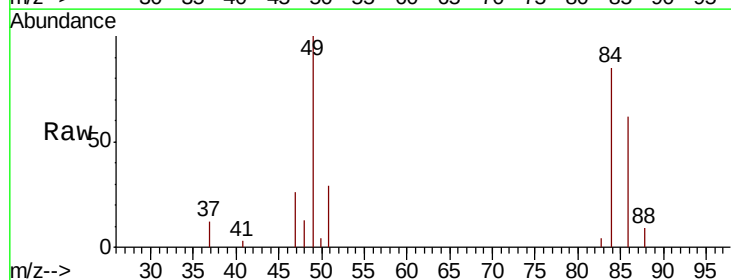
Ion Ratio Lower Upper

84 100

49 117.4 94.0 141.0

51 34.4 29.0 43.4

86 72.5 49.8 74.6

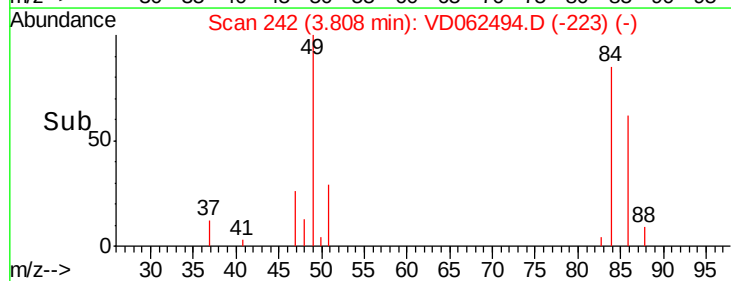
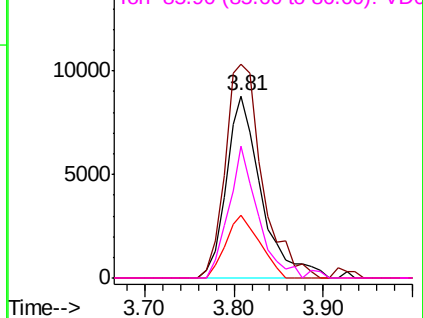


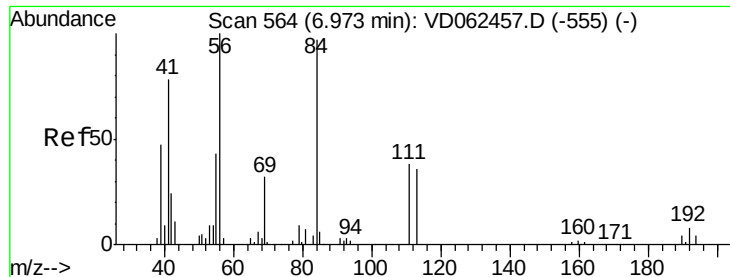
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 2.084 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.06 min

Lab File: VD062494.D

Acq: 21 May 2019 21:07

Instrument :

MSVOA_D

ClientSampled :

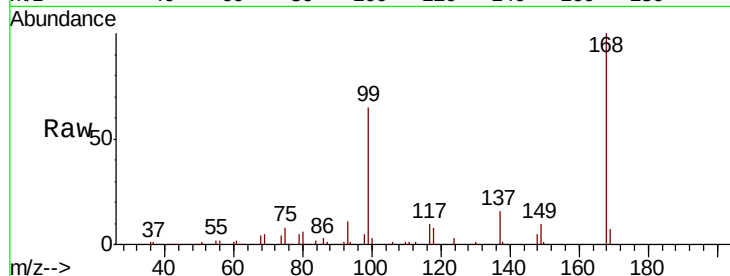
Tot Ion: 56 Resp: 11549

Ion Ratio Lower Upper

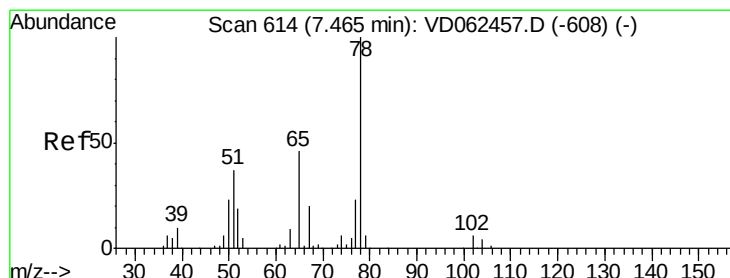
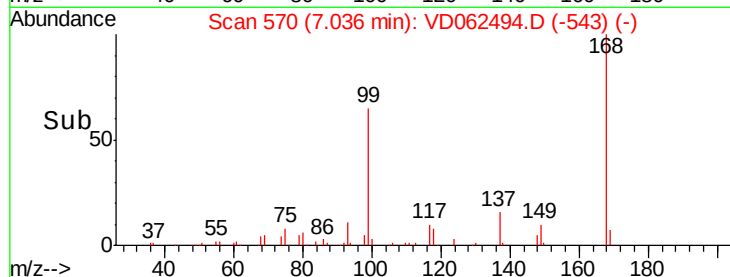
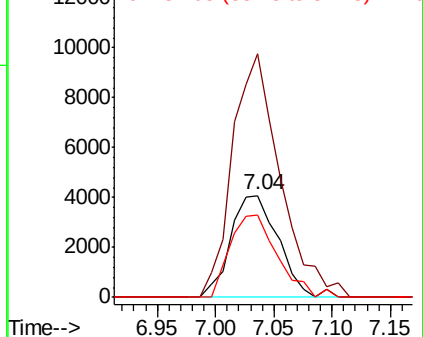
56 100

69 239.6 25.8 38.6#

84 81.4 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: 32.008 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062494.D

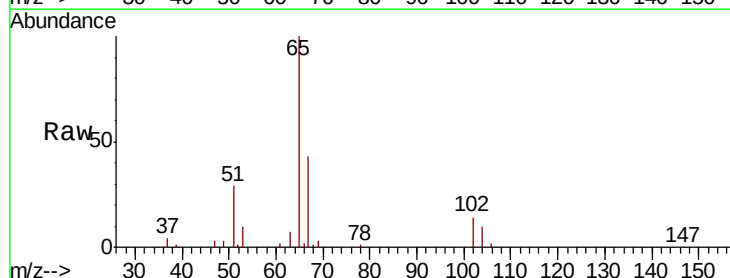
Acq: 21 May 2019 21:07

Tgt Ion: 65 Resp: 187835

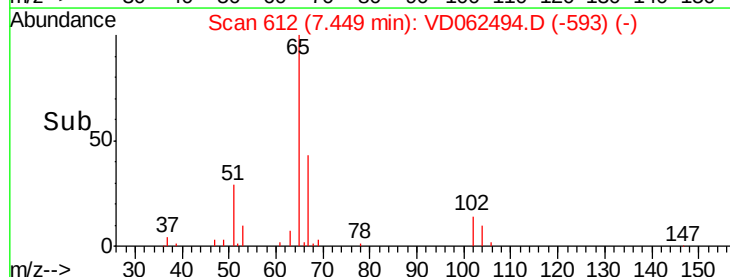
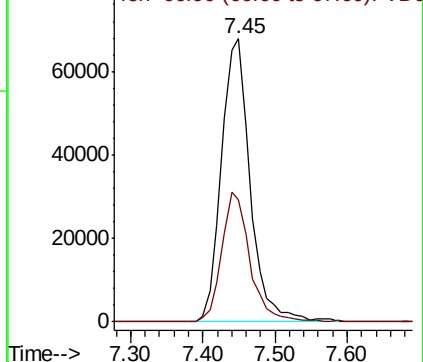
Ion Ratio Lower Upper

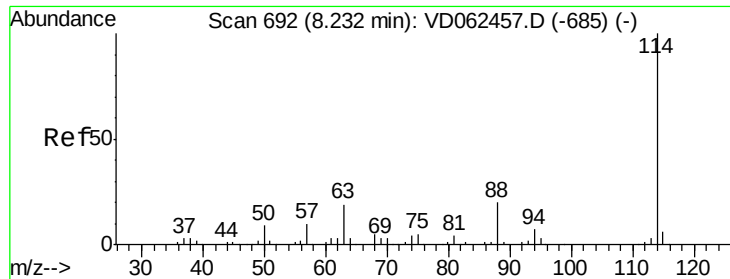
65 100

67 43.1 0.0 98.0



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

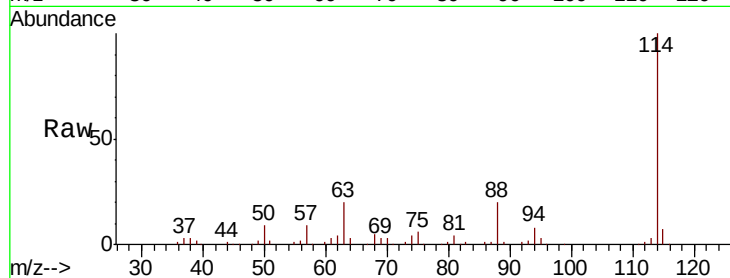




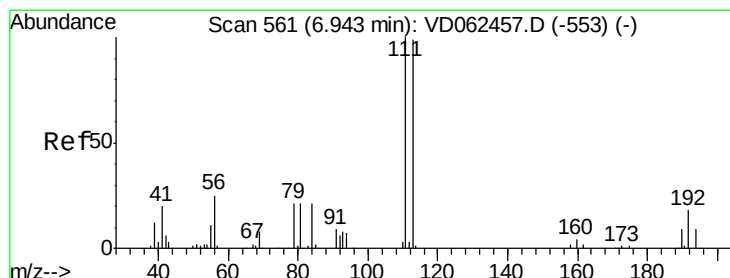
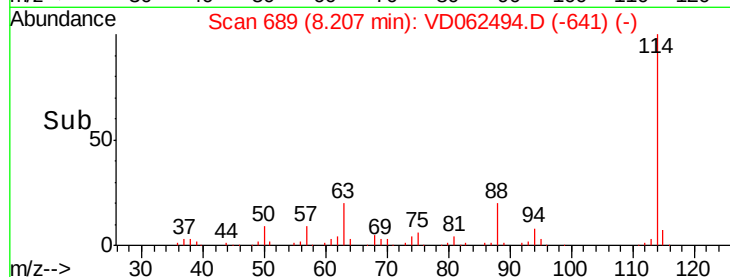
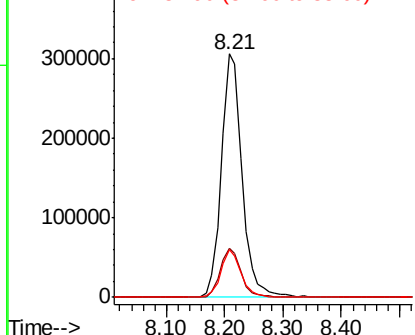
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD062494.D
 Acq: 21 May 2019 21:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 754068
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 32.4
 88 19.7 0.0 33.6

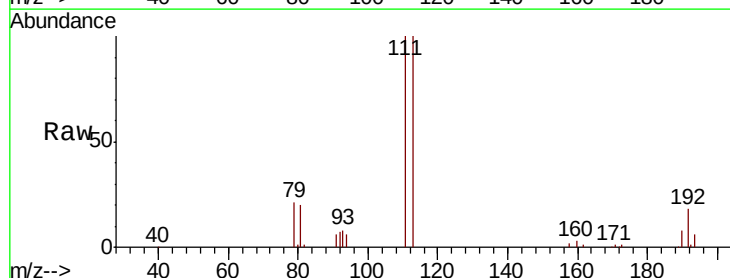


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

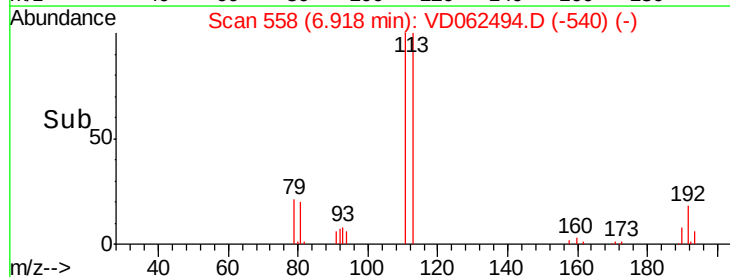
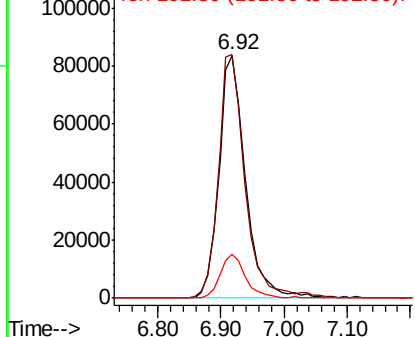


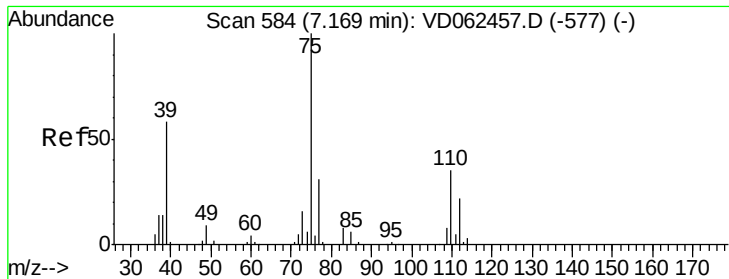
#35
 Dibromofluoromethane
 Concen: 35.946 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.03 min
 Lab File: VD062494.D
 Acq: 21 May 2019 21:07

Tgt Ion:113 Resp: 244524
 Ion Ratio Lower Upper
 113 100
 111 100.3 78.5 117.7
 192 18.0 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

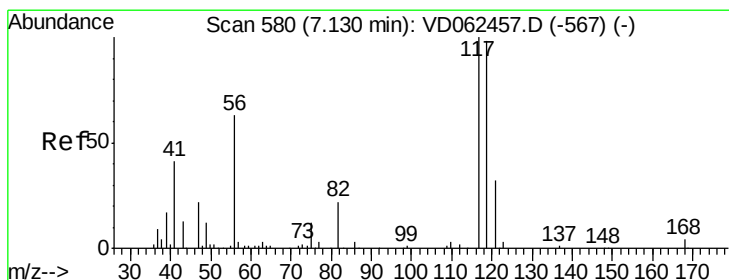
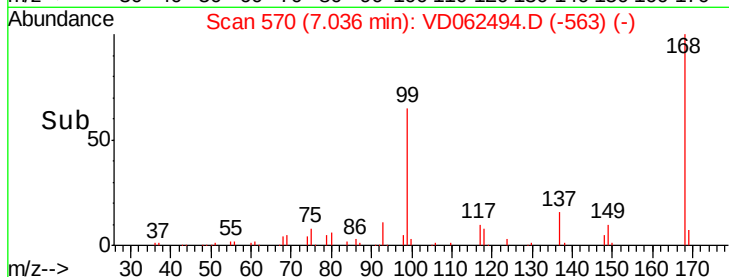
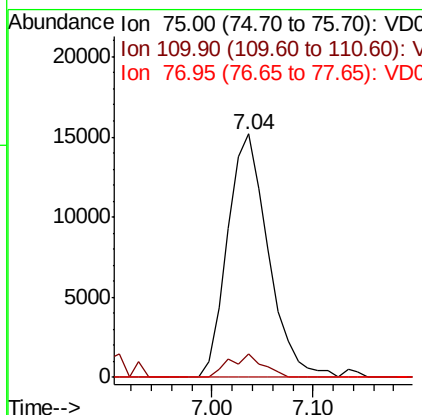
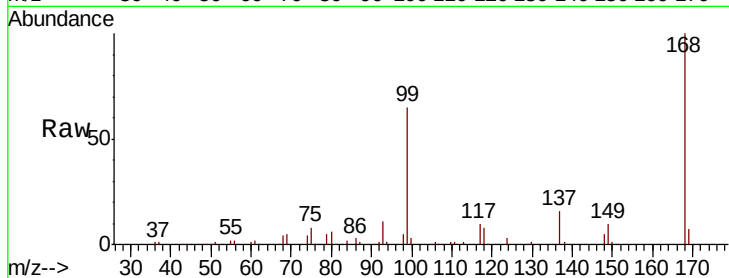




#36
 1,1-Dichloropropene
 Concen: 5.907 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.13 min
 Lab File: VD062494.D
 Acq: 21 May 2019 21:07

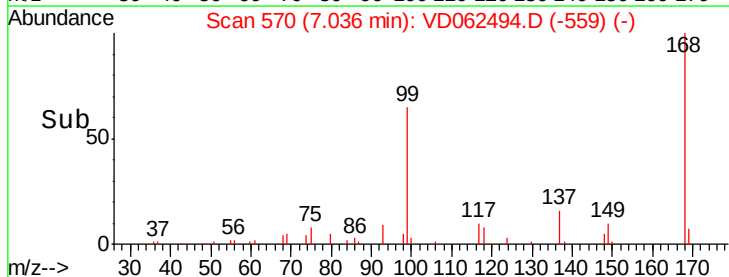
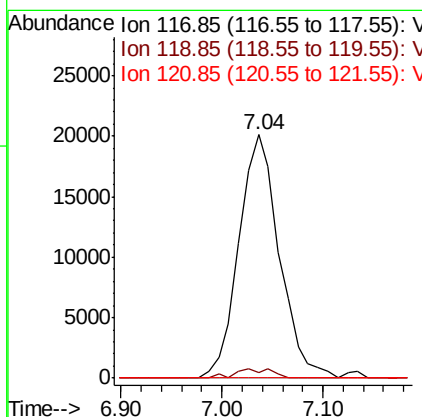
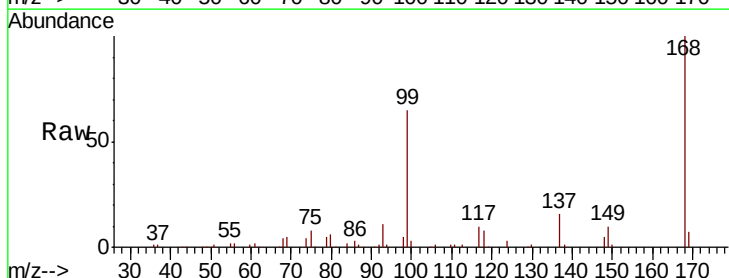
Instrument :
 MSVOA_D
 ClientSampleId :

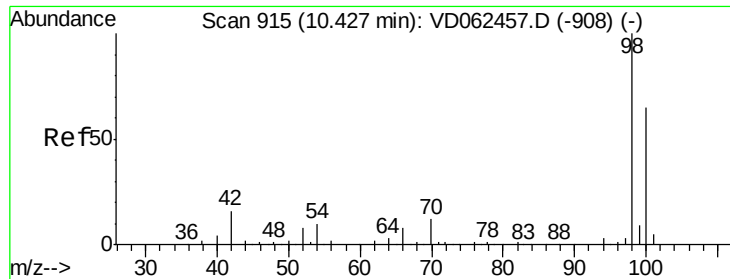
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.227 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD062494.D
 Acq: 21 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.2	75.8	113.8#
121	0.0	25.9	38.9#

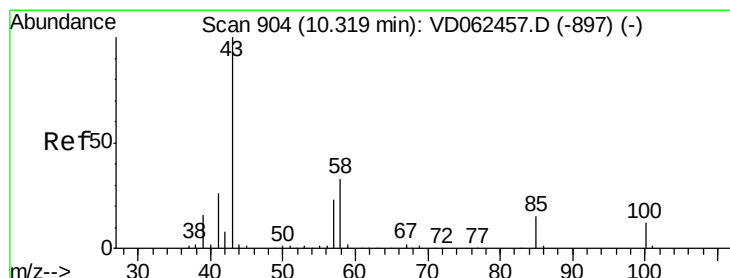
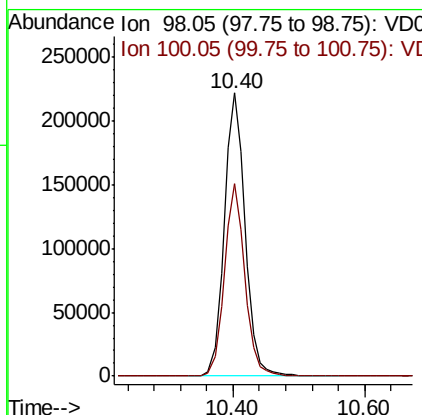
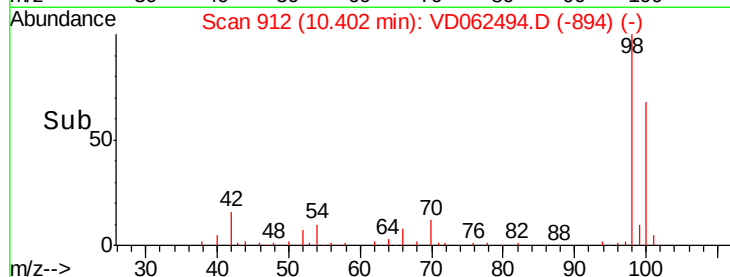
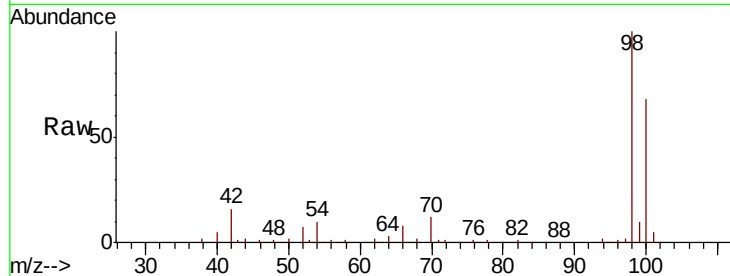




#50
Toluene-d8
Concen: 32.850 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.03 min
Lab File: VD062494.D
Acq: 21 May 2019 21:07

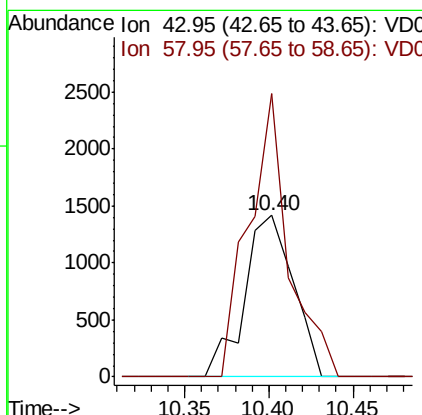
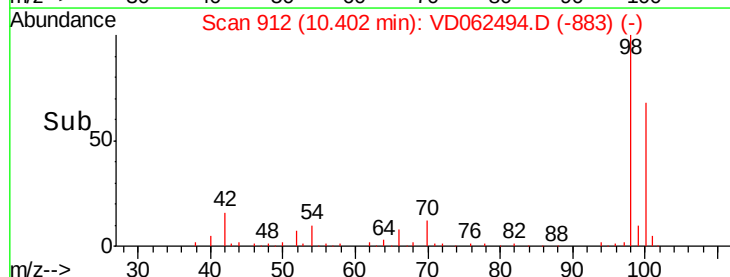
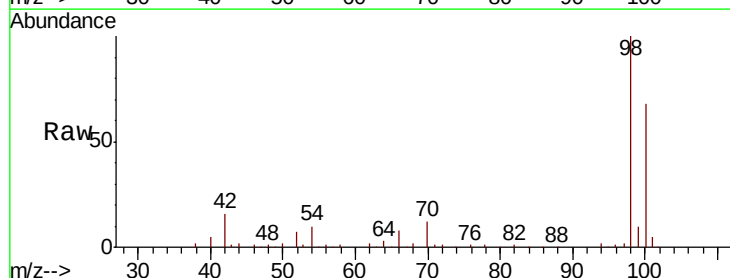
Instrument :
MSVOA_D
ClientSampled :

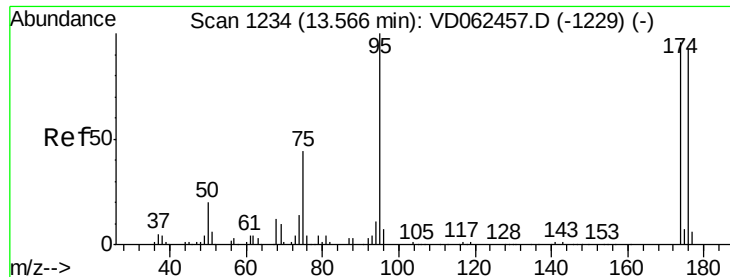
Tot Ion: 98 Resp: 489036
Ion Ratio Lower Upper
98 100
100 67.9 53.8 80.8



#51
4-Methyl-2-Pentanone
Concen: 1.166 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.08 min
Lab File: VD062494.D
Acq: 21 May 2019 21:07

Tgt Ion: 43 Resp: 2861
Ion Ratio Lower Upper
43 100
58 175.2 30.4 45.6#

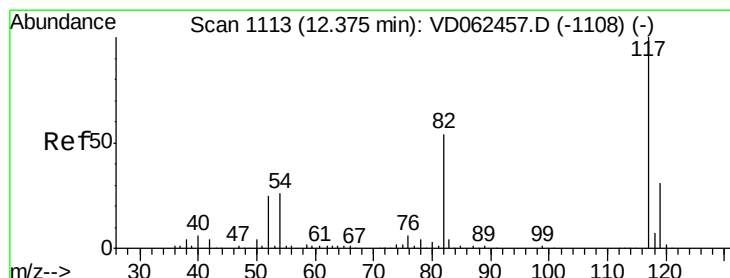
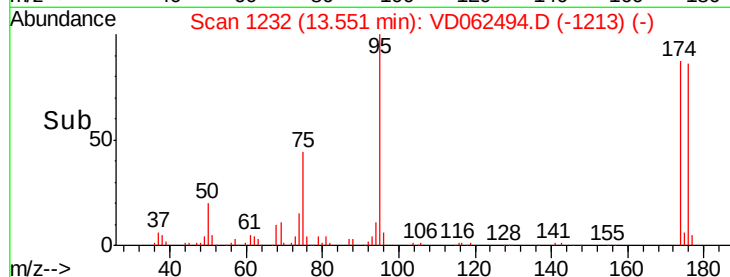
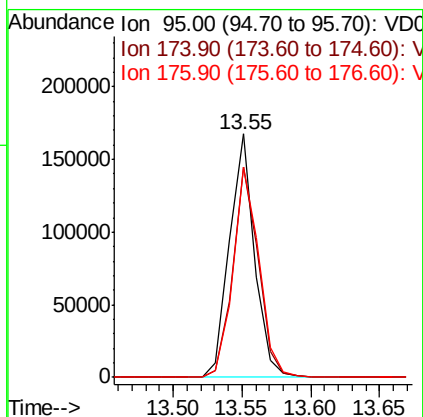
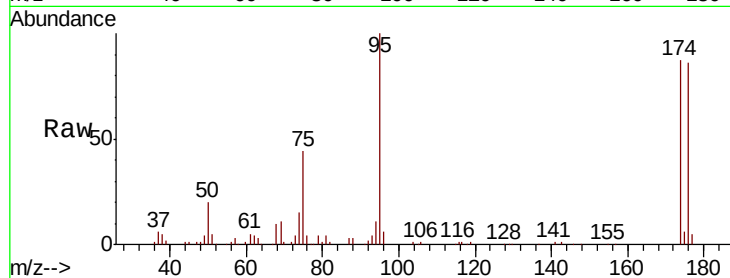




#62
 4-Bromofluorobenzene
 Concen: 32.445 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: VD062494.D
 Acq: 21 May 2019 21:07

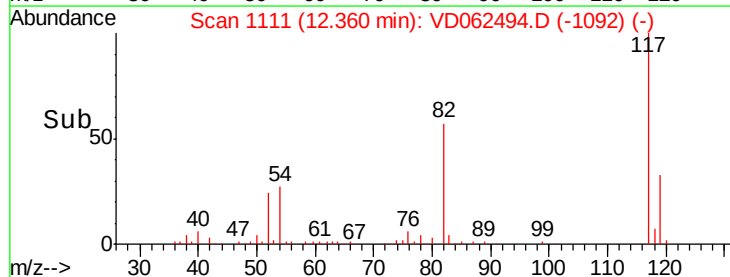
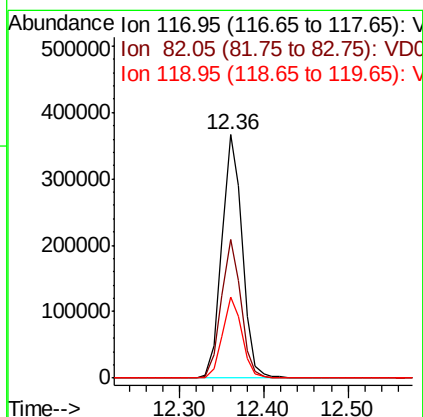
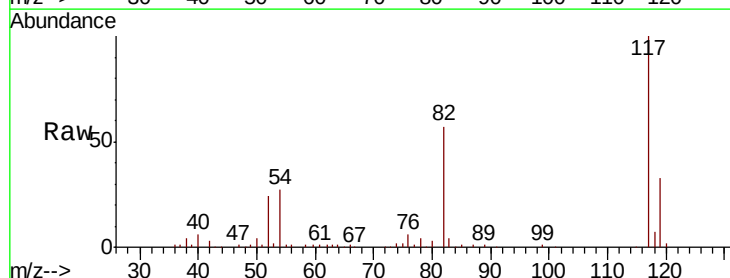
Instrument :
 MSVOA_D
 ClientSampleId :

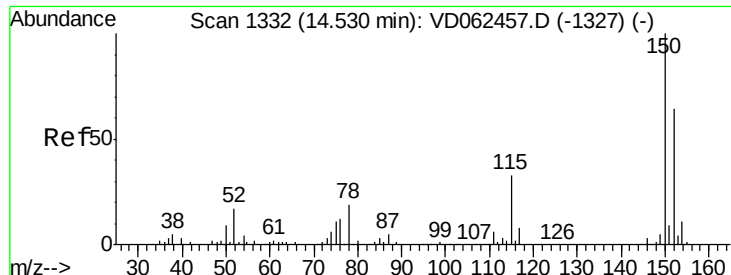
Tot Ion: 95 Resp: 211282
 Ion Ratio Lower Upper
 95 100
 174 86.6 0.0 181.8
 176 86.4 0.0 174.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.36 min Scan# 1111
 Delta R.T. -0.02 min
 Lab File: VD062494.D
 Acq: 21 May 2019 21:07

Tgt Ion: 117 Resp: 612890
 Ion Ratio Lower Upper
 117 100
 82 56.9 36.2 54.2#
 119 33.2 26.2 39.4



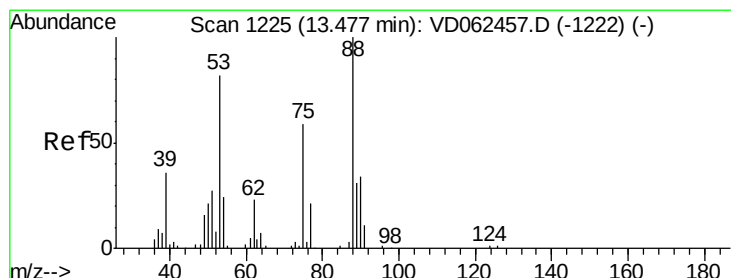
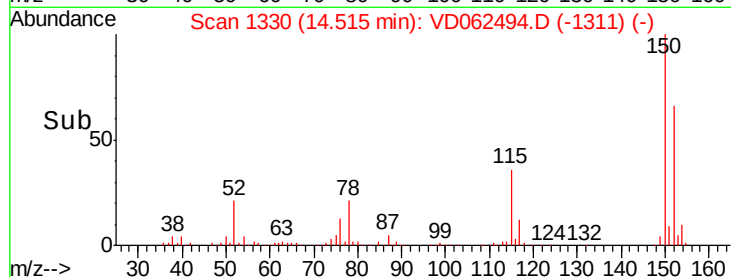
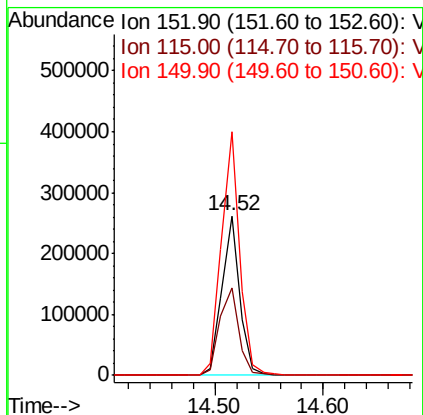
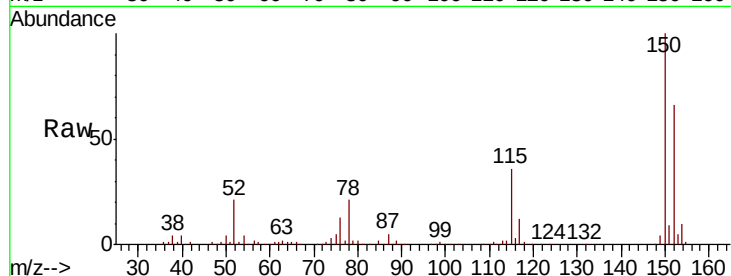


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.02 min
Lab File: VD062494.D
Acq: 21 May 2019 21:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.5	30.9	92.7
150	152.5	0.0	314.8



#81

trans-1,4-Dichloro-2-butene
Concen: 94.864 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.07 min
Lab File: VD062494.D
Acq: 21 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	65.8	98.8#
89	0.0	35.0	52.6#

