

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\
 Data File : VD062479.D
 Acq On : 21 May 2019 14:22
 Operator : VA/AP
 Sample : K2962-07
 Misc : 7.13g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 22 01:43:39 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	7.05	168	110500	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	166568	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	164647	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	100241	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	64613	54.63	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	109.26%	
35) Dibromofluoromethane	6.93	113	61818	41.14	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	82.28%	
50) Toluene-d8	10.41	98	114691	34.88	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	69.76%	
62) 4-Bromofluorobenzene	13.56	95	61029	42.43	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	84.86%	

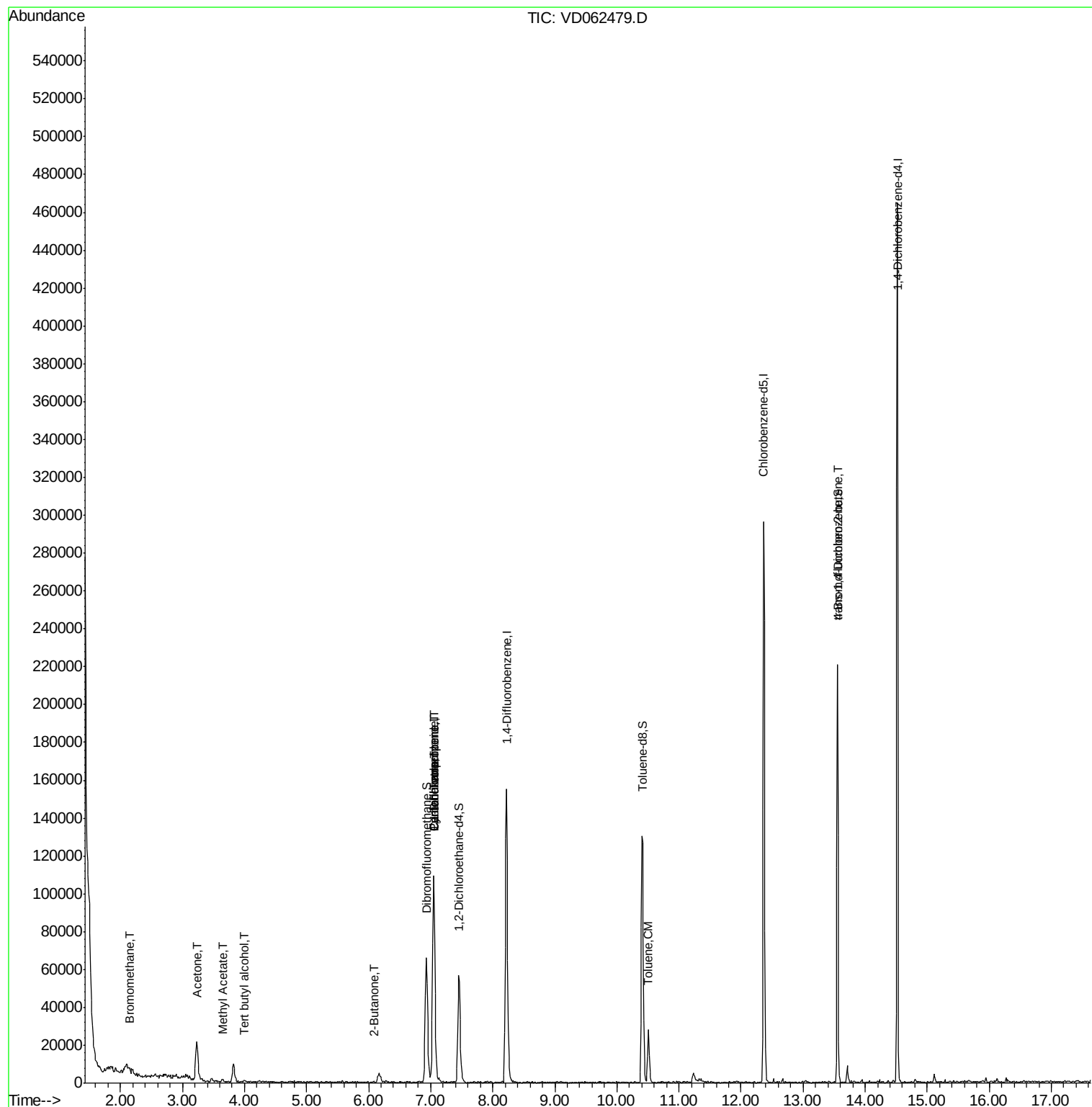
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	1106	3.182	ug/l #	1
11) Tert butyl alcohol	4.01	59	182	3.333	ug/l #	76
16) Acetone	3.22	43	43470	205.085	ug/l #	72
18) Methyl Acetate	3.66	43	2531	6.920	ug/l #	53
25) 2-Butanone	6.08	43	950	4.285	ug/l #	56
31) Cyclohexane	7.04	56	2141	1.917	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	7495	4.706	ug/l #	50
38) Carbon Tetrachloride	7.05	117	10130	4.280	ug/l #	12
52) Toluene	10.50	92	13237	6.190	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.56	75	27273	81.902	ug/l #	16

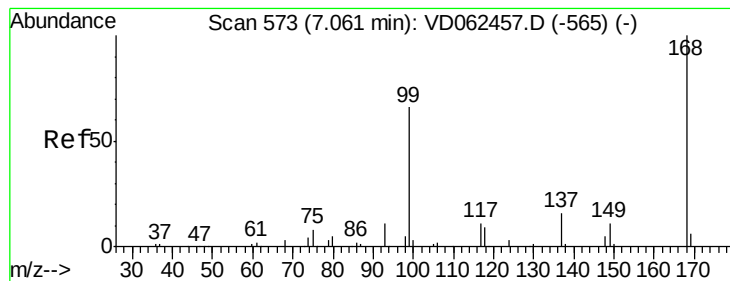
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052119\
Data File : VD062479.D
Acq On : 21 May 2019 14:22
Operator : VA/AP
Sample : K2962-07
Misc : 7.13g/5ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: May 22 01:43:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD062479.D

Acq: 21 May 2019 14:22

Instrument :

MSVOA_D

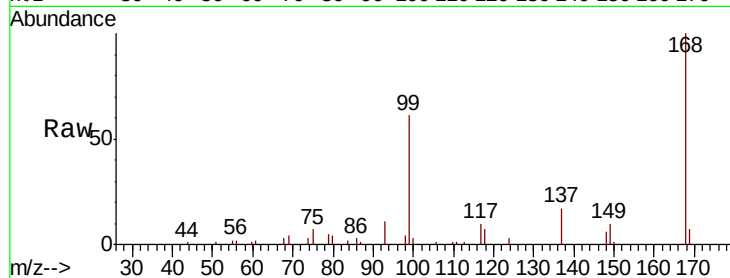
ClientSampleId :

Tot Ion:168 Resp: 110500

Ion Ratio Lower Upper

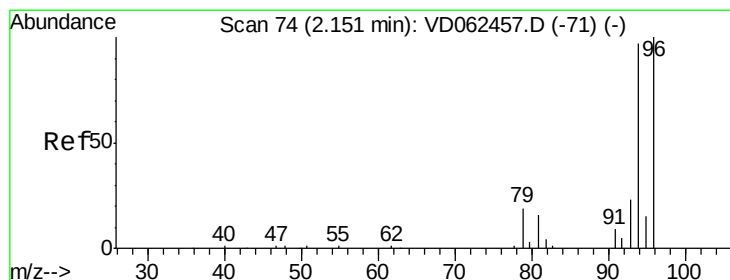
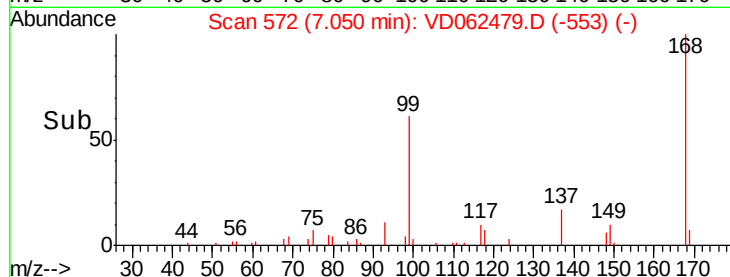
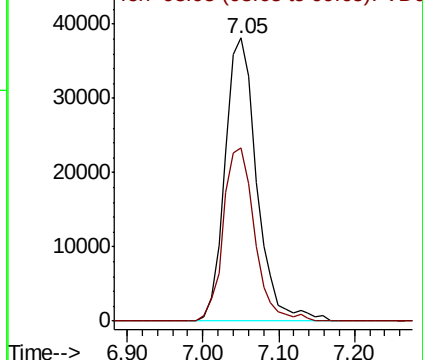
168 100

99 61.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 3.182 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062479.D

Acq: 21 May 2019 14:22

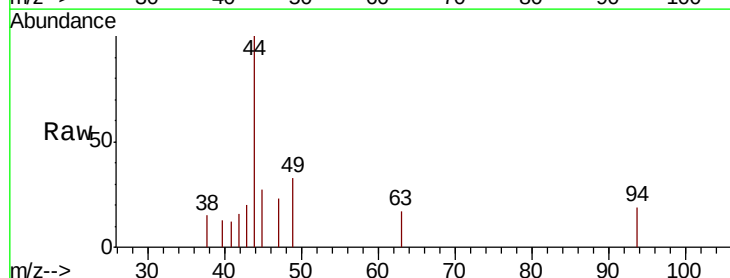
Tgt Ion: 94 Resp: 1106

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

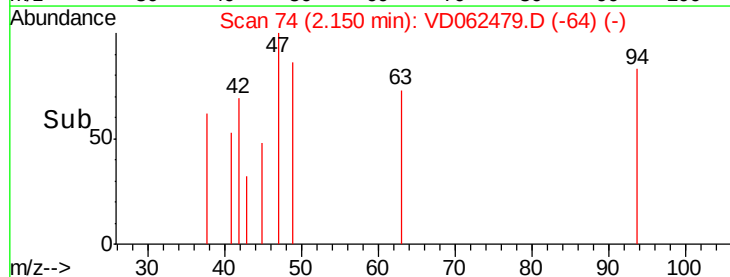
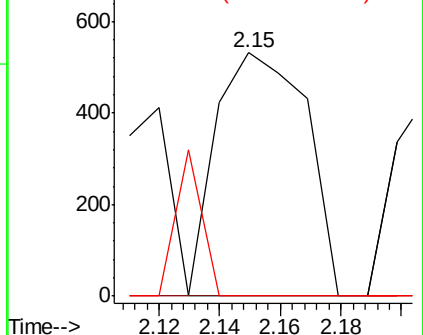
93 100.0 18.5 27.7#

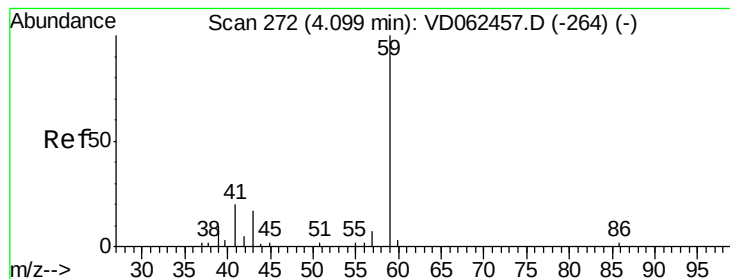


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#11

Tert butyl alcohol

Concen: 3.333 ug/l

RT: 4.01 min Scan# 263

Delta R.T. -0.09 min

Lab File: VD062479.D

Acq: 21 May 2019 14:22

Instrument :

MSVOA_D

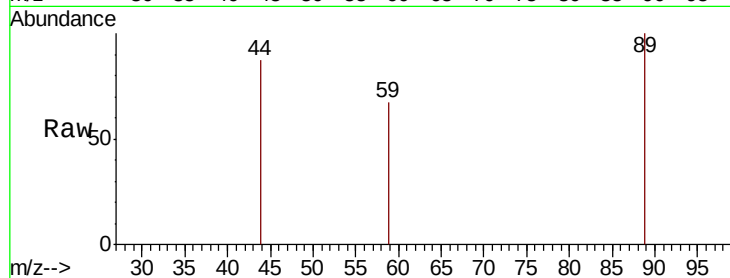
ClientSampleId :

Tot Ion: 59 Resp: 182

Ion Ratio Lower Upper

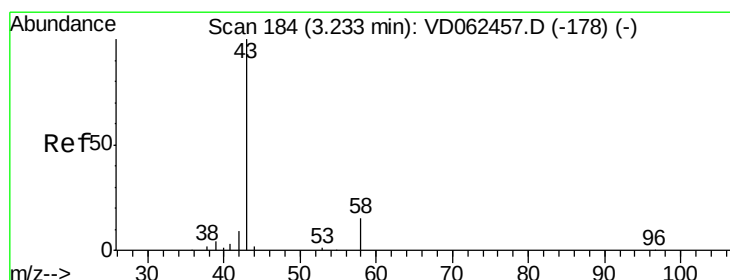
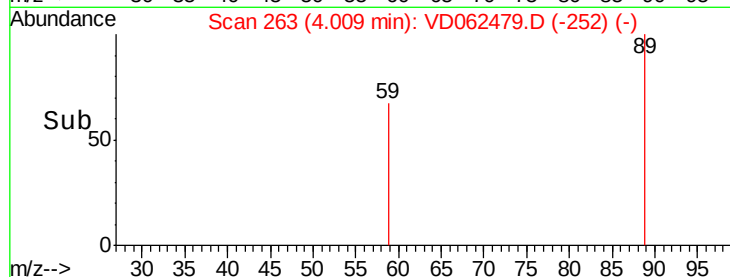
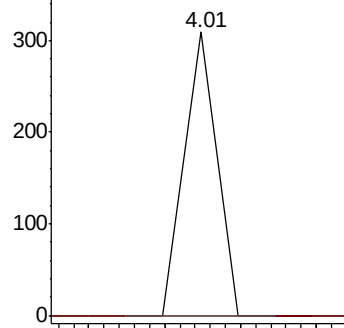
59 100

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: 205.085 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD062479.D

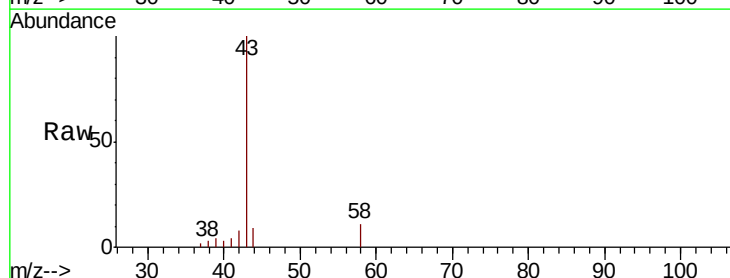
Acq: 21 May 2019 14:22

Tgt Ion: 43 Resp: 43470

Ion Ratio Lower Upper

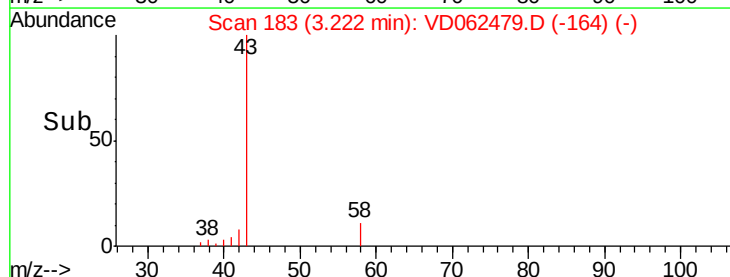
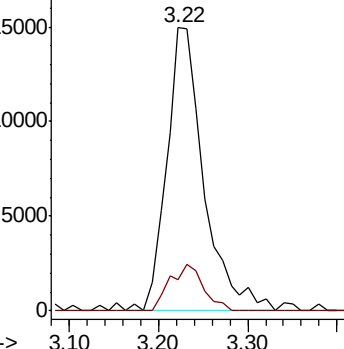
43 100

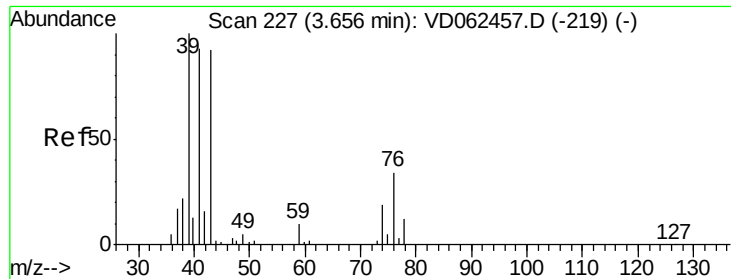
58 10.9 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

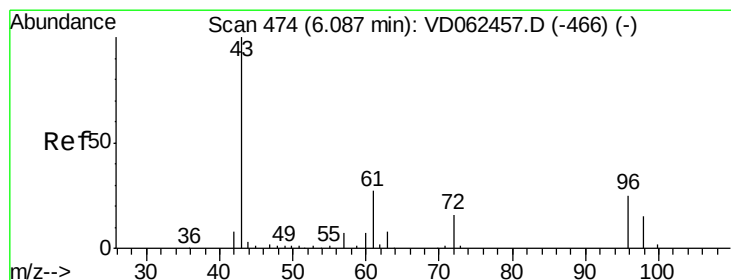
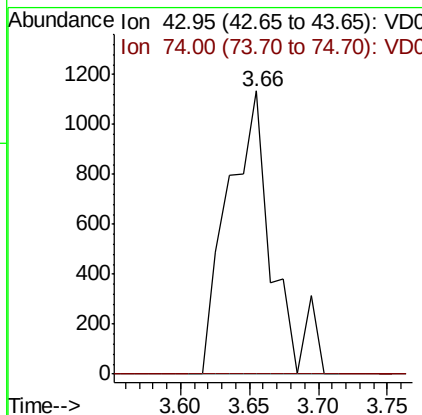
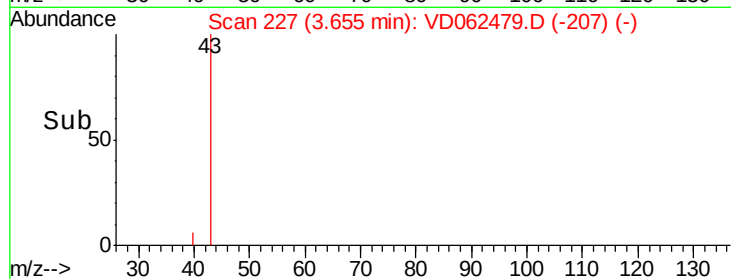
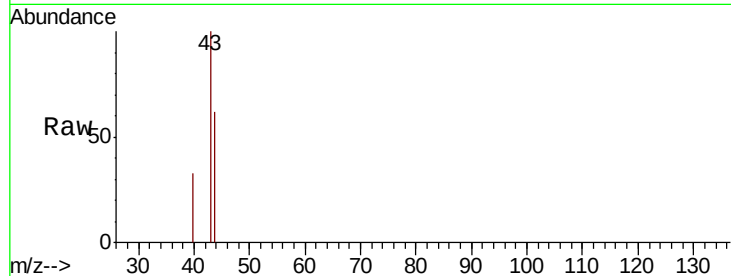




#18
Methyl Acetate
Concen: 6.920 ug/l
RT: 3.66 min Scan# 227
Delta R.T. -0.00 min
Lab File: VD062479.D
Acq: 21 May 2019 14:22

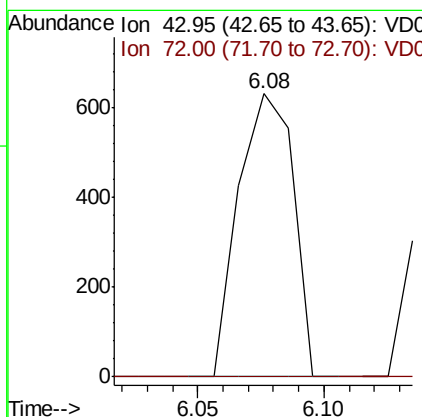
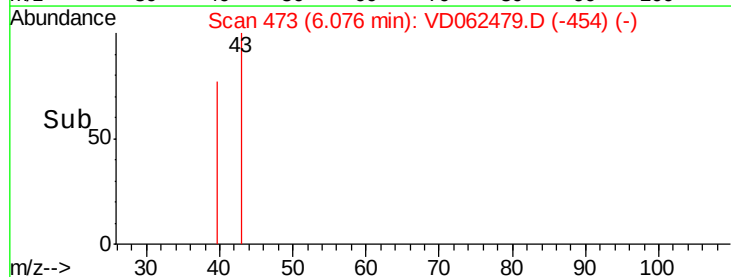
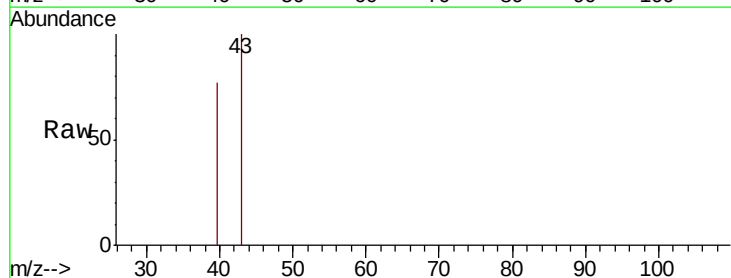
Instrument :
MSVOA_D
ClientSampled :

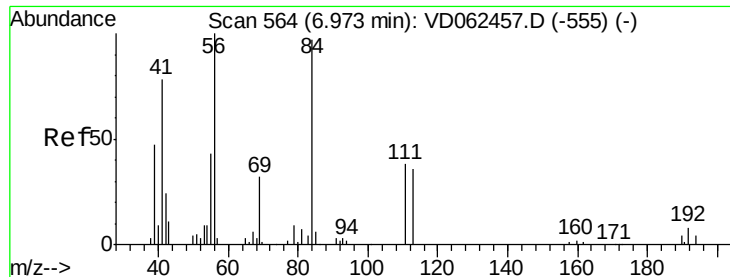
Tot Ion: 43 Resp: 2531
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#25
2-Butanone
Concen: 4.285 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD062479.D
Acq: 21 May 2019 14:22

Tgt Ion: 43 Resp: 950
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#

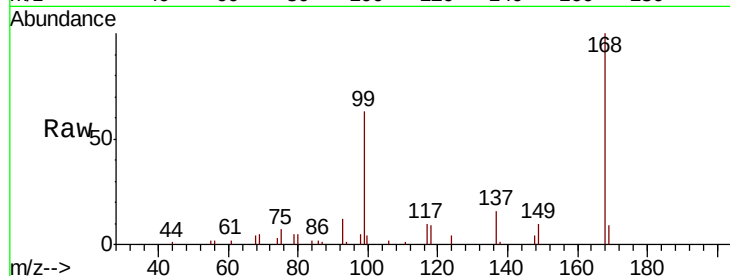




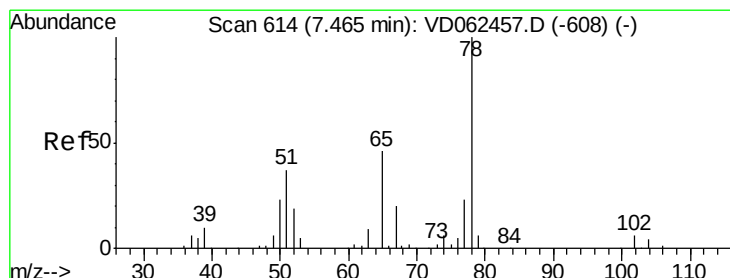
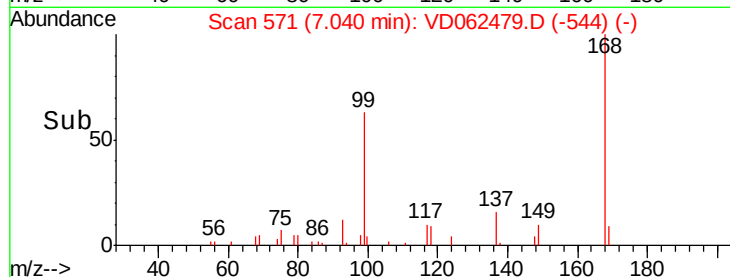
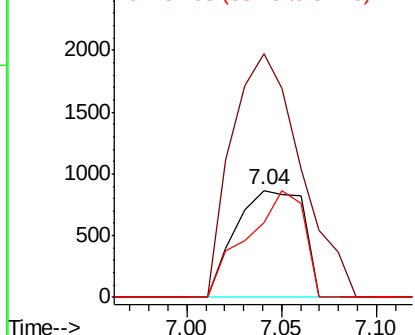
#31
Cyclohexane
Concen: 1.917 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.07 min
Lab File: VD062479.D
Acq: 21 May 2019 14:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 2141
Ion Ratio Lower Upper
56 100
69 227.2 25.8 38.6#
84 69.5 72.2 108.4#

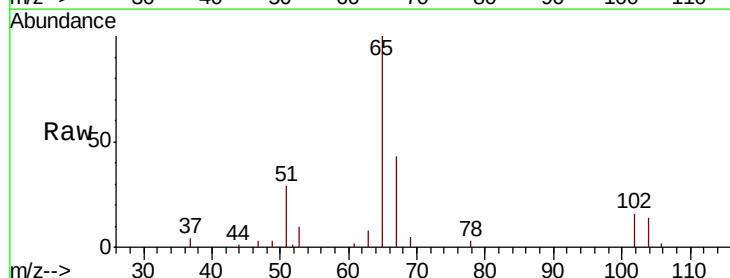


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

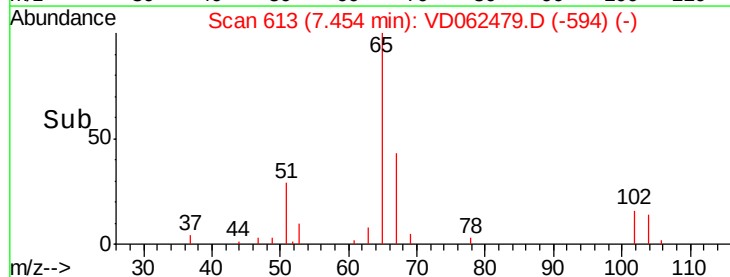
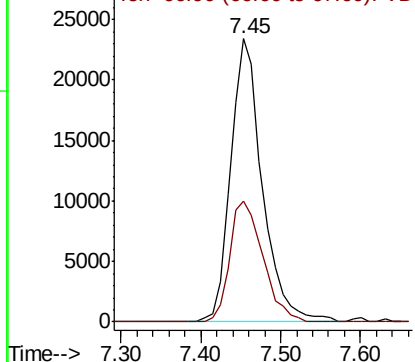


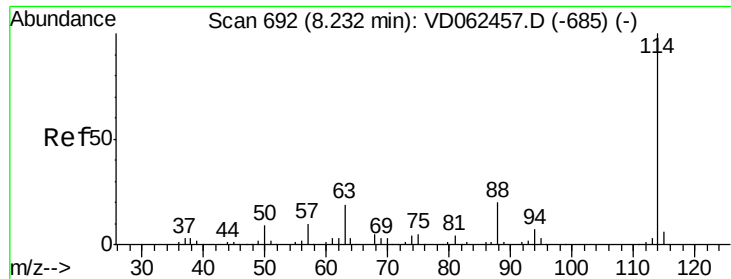
#33
1,2-Dichloroethane-d4
Concen: 54.626 ug/l
RT: 7.45 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD062479.D
Acq: 21 May 2019 14:22

Tgt Ion: 65 Resp: 64613
Ion Ratio Lower Upper
65 100
67 42.8 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: 8.22 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD062479.D

Acq: 21 May 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

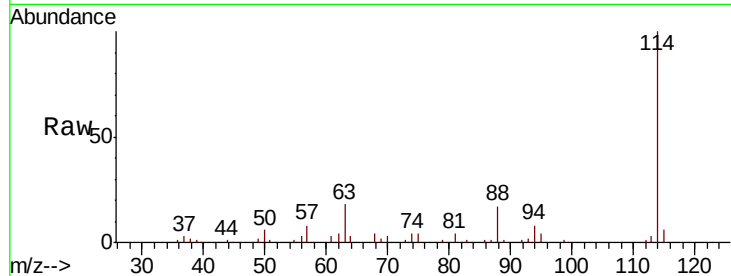
Tot Ion:114 Resp: 166568

Ion Ratio Lower Upper

114 100

63 18.1 0.0 32.4

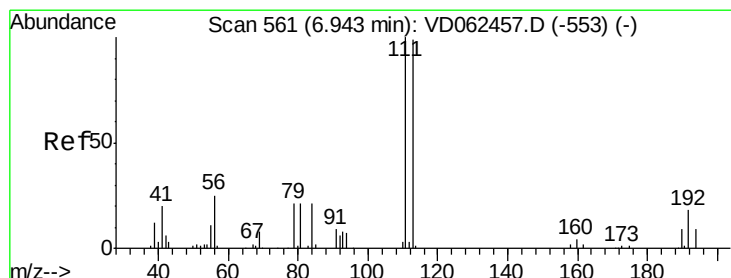
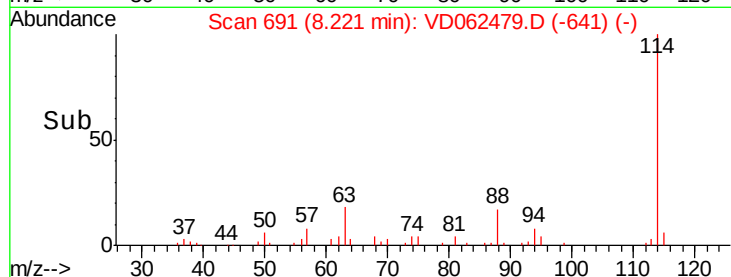
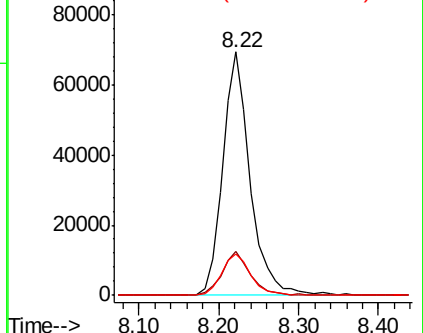
88 16.8 0.0 33.6



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: 41.139 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD062479.D

Acq: 21 May 2019 14:22

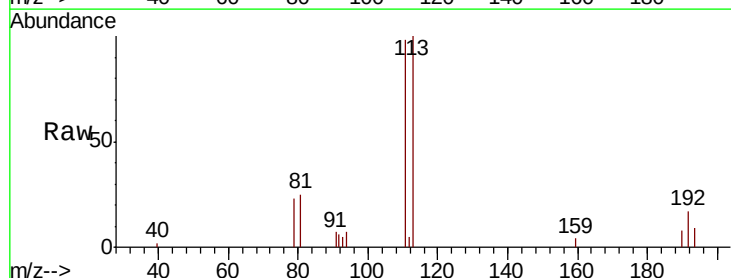
Tgt Ion:113 Resp: 61818

Ion Ratio Lower Upper

113 100

111 97.7 78.5 117.7

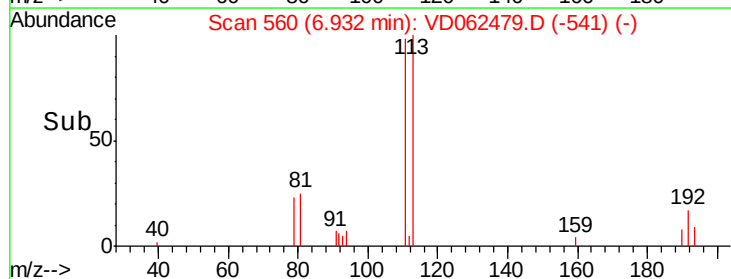
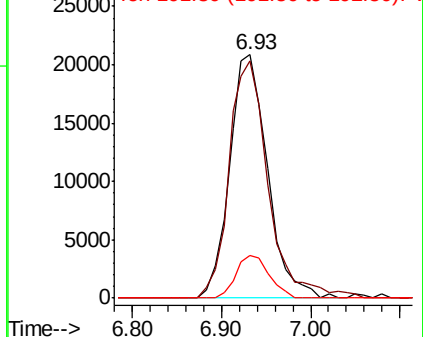
192 17.5 13.0 19.4

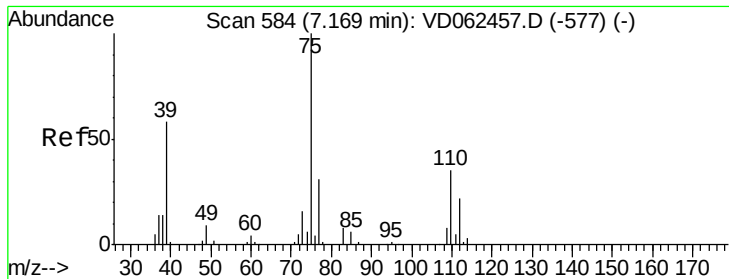


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

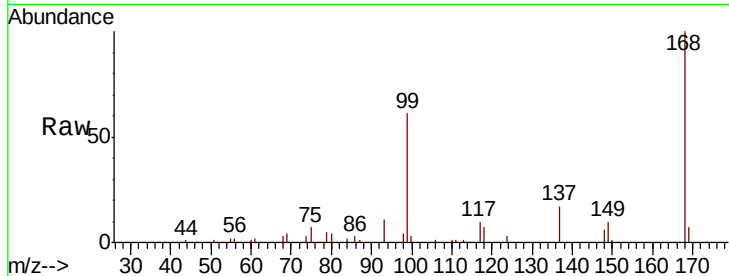




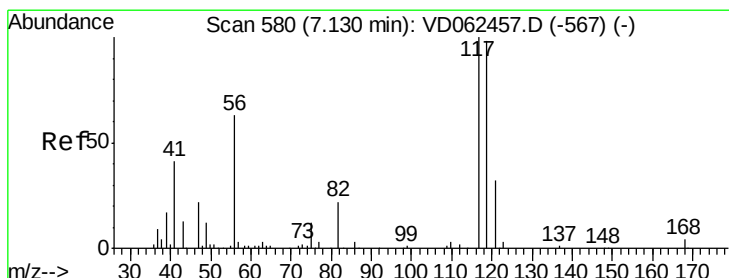
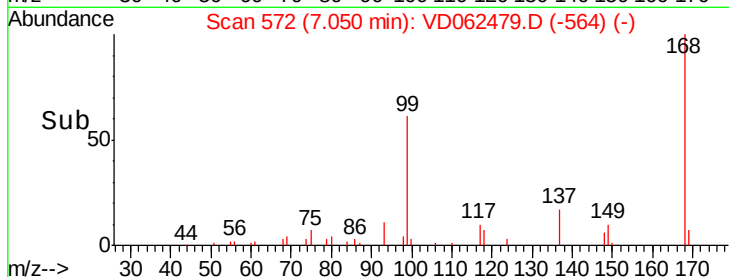
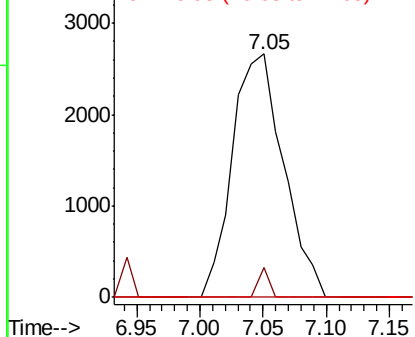
#36
 1,1-Dichloropropene
 Concen: 4.706 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.12 min
 Lab File: VD062479.D
 Acq: 21 May 2019 14:22

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	12.0	19.1	57.1#
77	0.0	25.6	38.4#

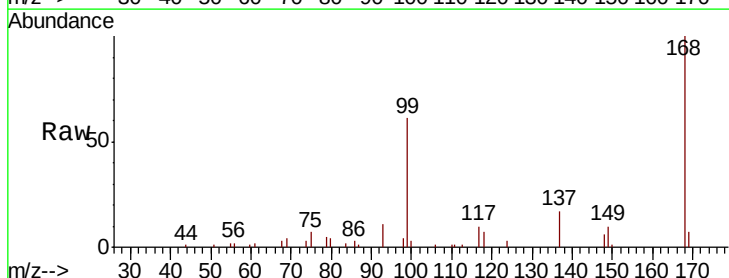


Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

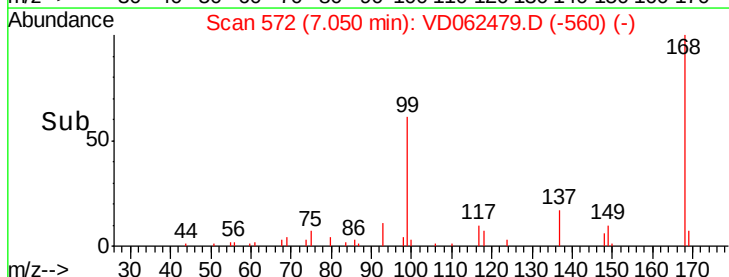
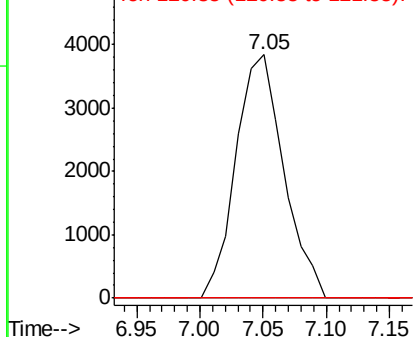


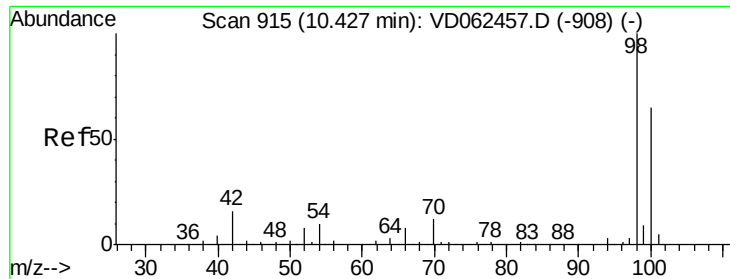
#38
 Carbon Tetrachloride
 Concen: 4.280 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.08 min
 Lab File: VD062479.D
 Acq: 21 May 2019 14:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	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

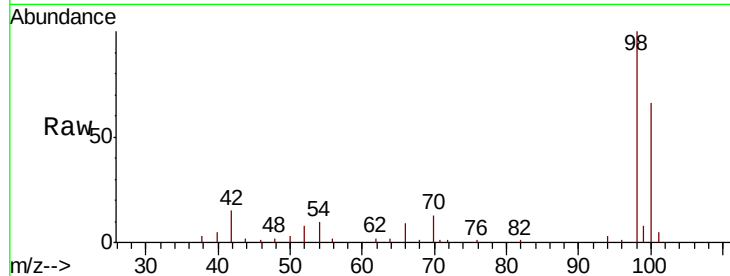




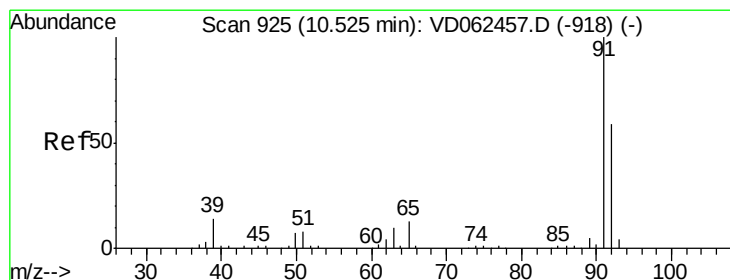
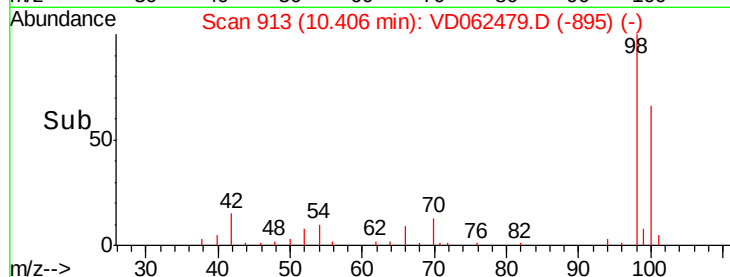
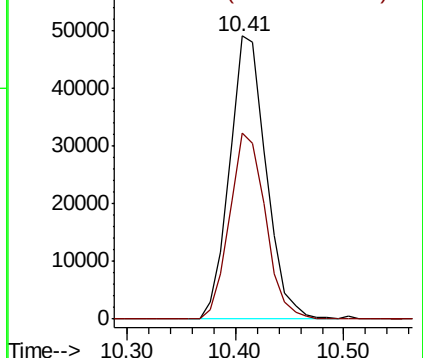
#50
Toluene-d8
Concen: 34.878 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.02 min
Lab File: VD062479.D
Acq: 21 May 2019 14:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 114691
Ion Ratio Lower Upper
98 100
100 65.8 53.8 80.8

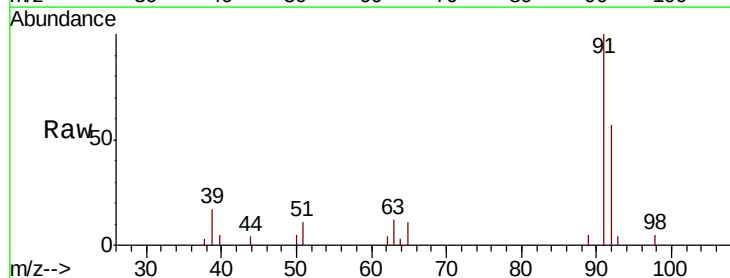


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

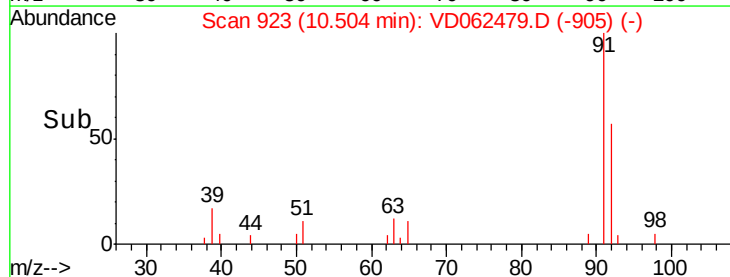
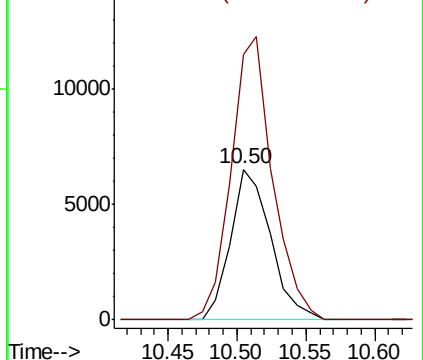


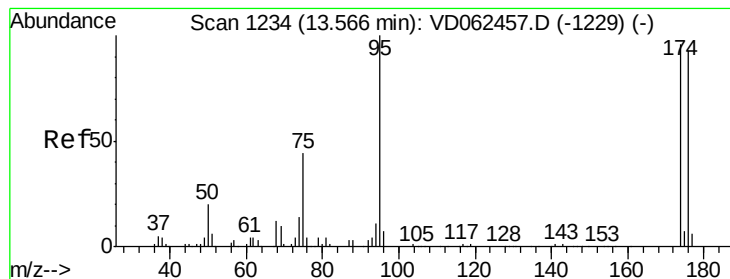
#52
Toluene
Concen: 6.190 ug/l
RT: 10.50 min Scan# 923
Delta R.T. -0.02 min
Lab File: VD062479.D
Acq: 21 May 2019 14:22

Tgt Ion: 92 Resp: 13237
Ion Ratio Lower Upper
92 100
91 176.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: 42.427 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.01 min

Lab File: VD062479.D

Acq: 21 May 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

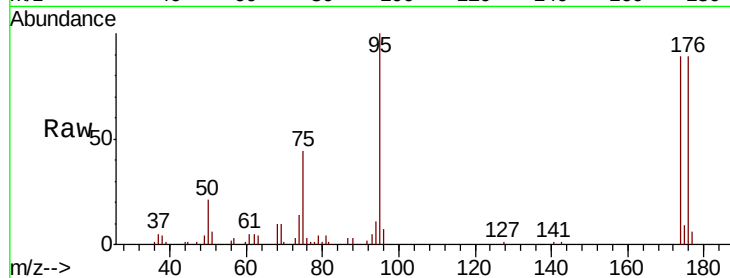
Tot Ion: 95 Resp: 61029

Ion Ratio Lower Upper

95 100

174 88.8 0.0 181.8

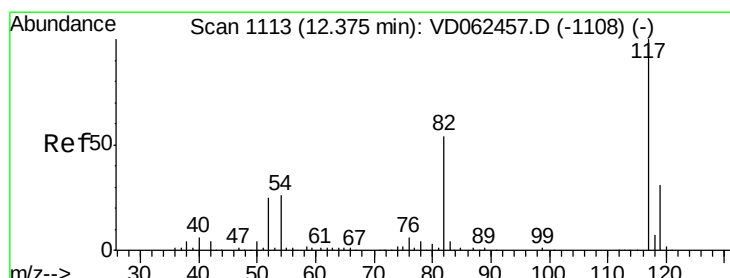
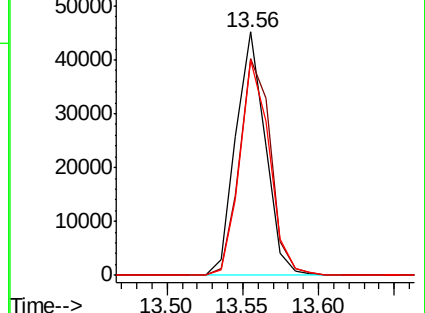
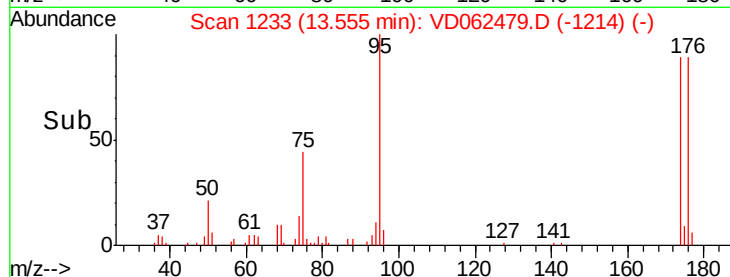
176 88.6 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

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: 12.36 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VD062479.D

Acq: 21 May 2019 14:22

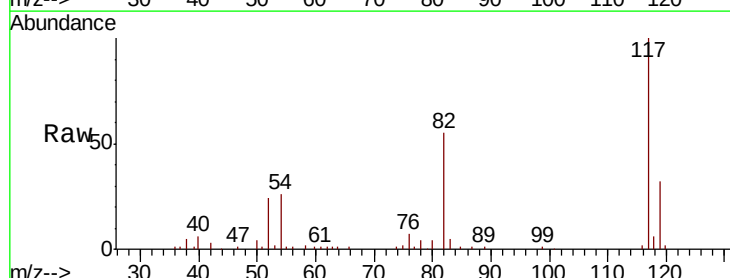
Tgt Ion: 117 Resp: 164647

Ion Ratio Lower Upper

117 100

82 55.3 36.2 54.2#

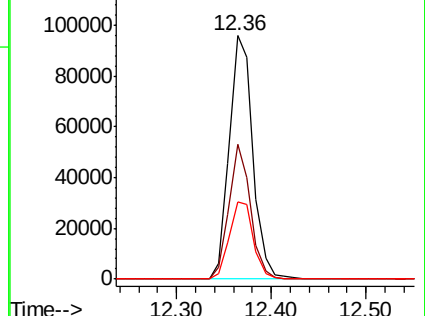
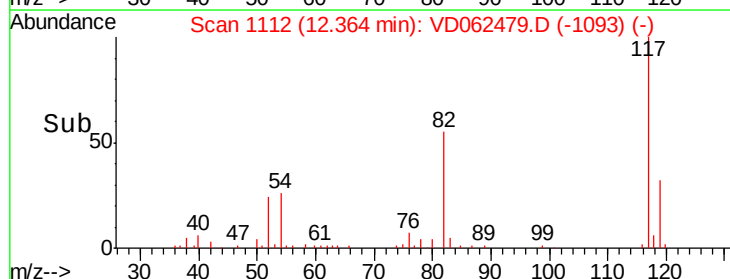
119 32.0 26.2 39.4

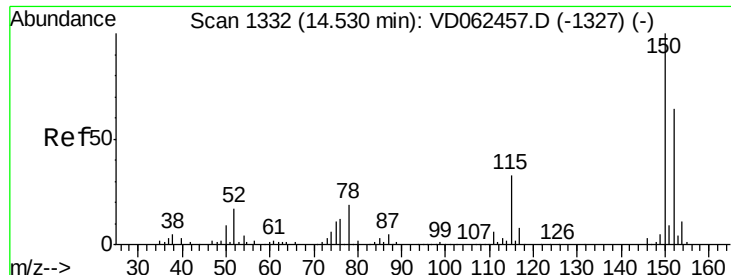


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

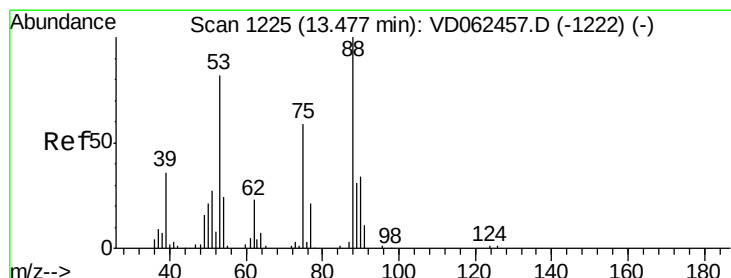
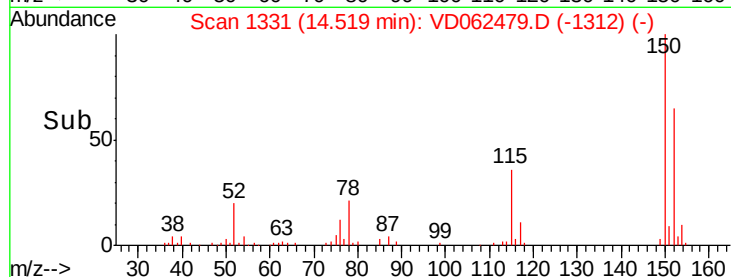
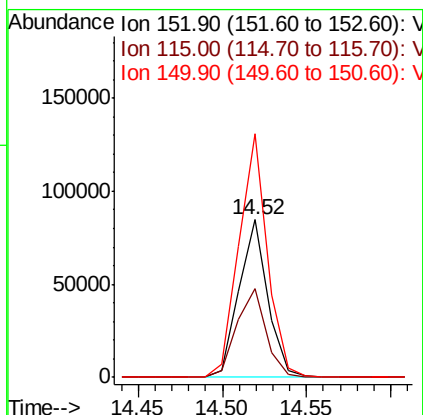
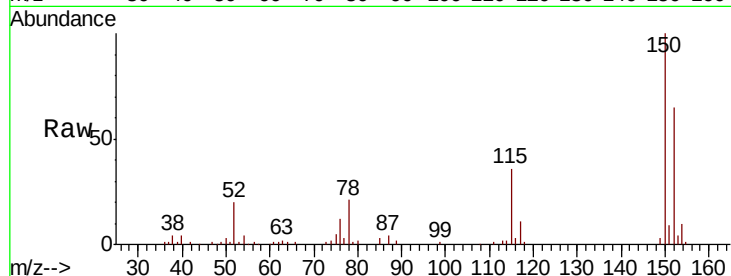




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062479.D
 Acq: 21 May 2019 14:22

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:152 Resp: 100241
 Ion Ratio Lower Upper
 152 100
 115 56.4 30.9 92.7
 150 154.5 0.0 314.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.902 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.08 min
 Lab File: VD062479.D
 Acq: 21 May 2019 14:22

Tgt Ion: 75 Resp: 27273
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

