

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061164.D
 Acq On : 19 Mar 2019 1:46
 Operator : VA/AP
 Sample : K1930-01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

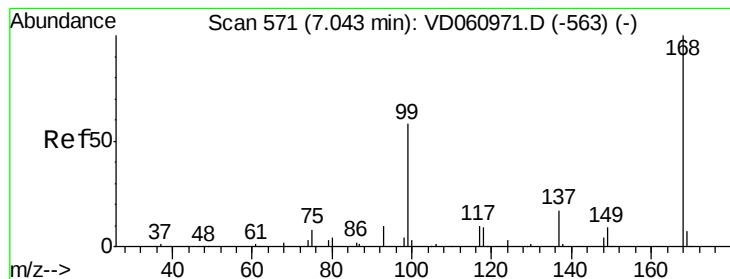
Quant Time: Mar 19 02:21:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	668868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1137502	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	918979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	336229	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	288607	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
35) Dibromofluoromethane	6.91	113	470237	55.70	ug/l	0.00
Spiked Amount			Recovery	=	111.40%	
50) Toluene-d8	10.40	98	1037891	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
62) 4-Bromofluorobenzene	13.55	95	324817	39.49	ug/l	0.00
Spiked Amount			Recovery	=	78.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	216	Below Cal	#	1
10) Methyl Iodide	3.34	142	2100	3.109	ug/l #	87
11) Tert butyl alcohol	3.98	59	1390	3.922	ug/l #	75
16) Acetone	3.21	43	5290	3.323	ug/l #	86
20) Methylene Chloride	3.81	84	25477	Below Cal		91
29) Tetrahydrofuran	6.46	42	1601	1.632	ug/l #	55
31) Cyclohexane	7.03	56	11634	1.181	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	49669	5.066	ug/l #	46
38) Carbon Tetrachloride	7.03	117	63233	5.855	ug/l #	17
51) 4-Methyl-2-Pentanone	10.39	43	4133	1.059	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.84	63	4724	1.680	ug/l #	84
81) trans-1,4-Dichloro-2-buten	13.55	75	118034	82.766	ug/l #	17

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061164.D

Acq: 19 Mar 2019 1:46

Instrument :

MSVOA_D

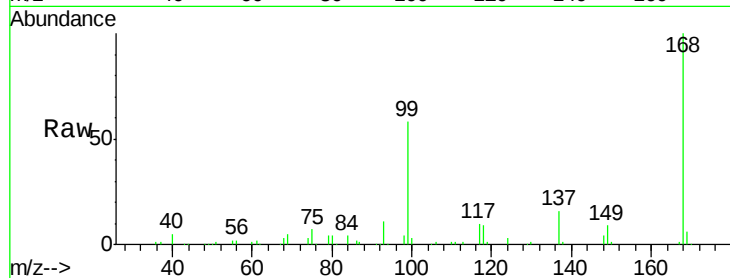
ClientSampleId :

Tot Ion:168 Resp: 668868

Ion Ratio Lower Upper

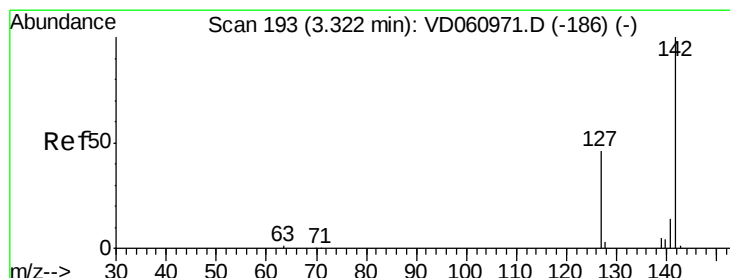
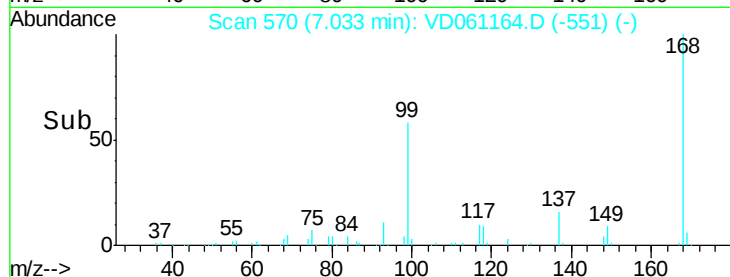
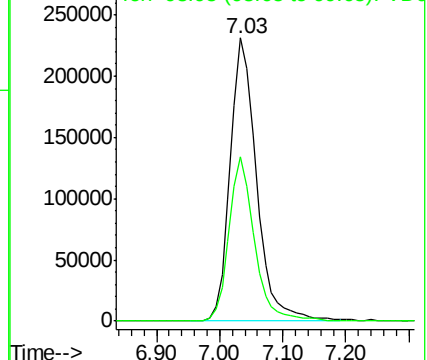
168 100

99 58.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#10

Methyl Iodide

Concen: 3.109 ug/l

RT: 3.34 min Scan# 195

Delta R.T. 0.02 min

Lab File: VD061164.D

Acq: 19 Mar 2019 1:46

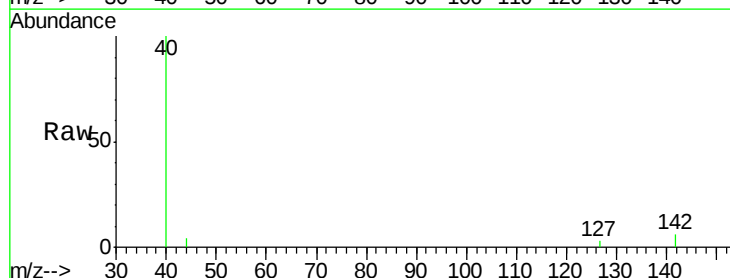
Tgt Ion:142 Resp: 2100

Ion Ratio Lower Upper

142 100

127 50.4 36.8 55.2

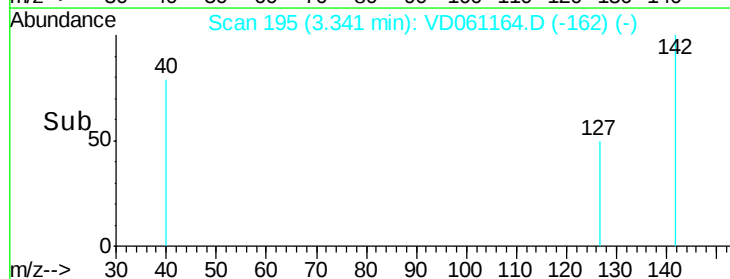
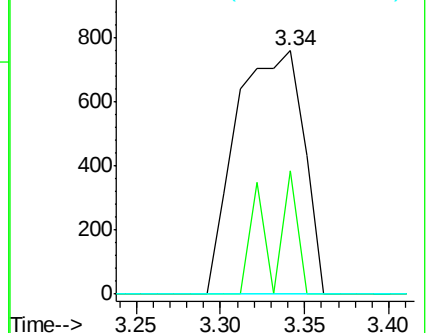
141 0.0 11.2 16.8#

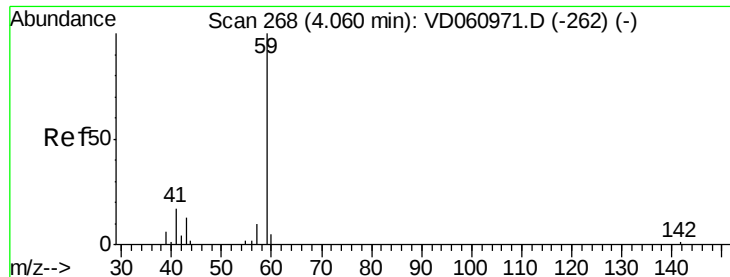


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



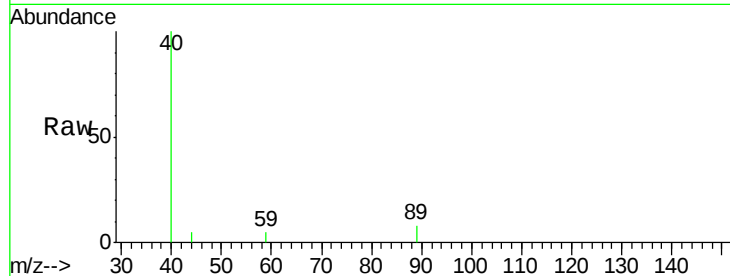


#11

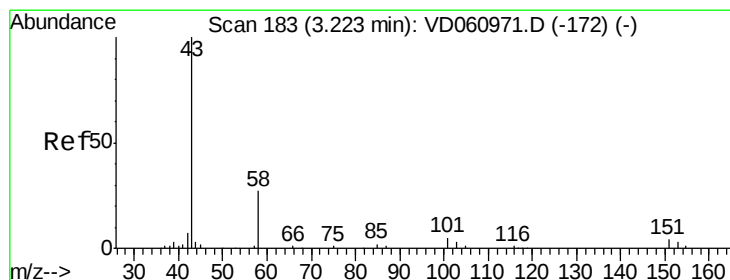
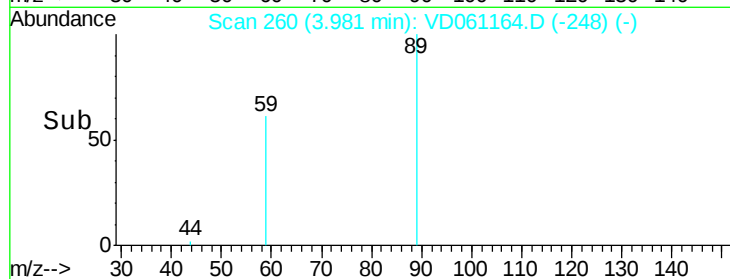
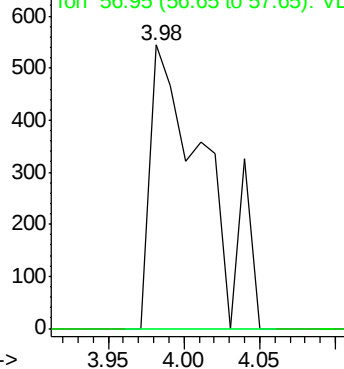
Tert butyl alcohol
 Concen: 3.922 ug/l
 RT: 3.98 min Scan# 260
 Delta R.T. -0.08 min
 Lab File: VD061164.D
 Acq: 19 Mar 2019 1:46

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 59 Resp: 1390
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.1 10.7#



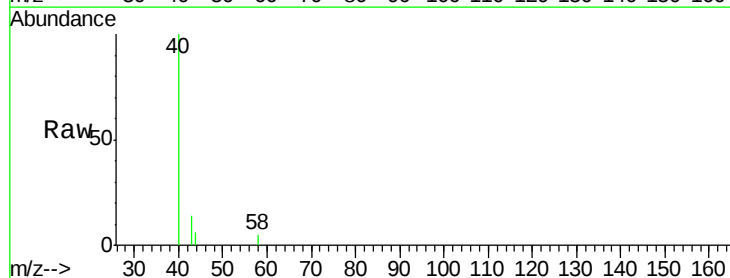
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



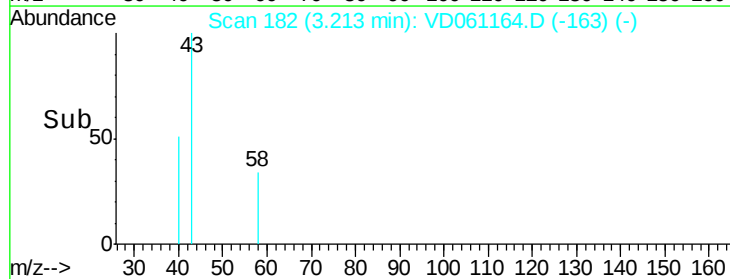
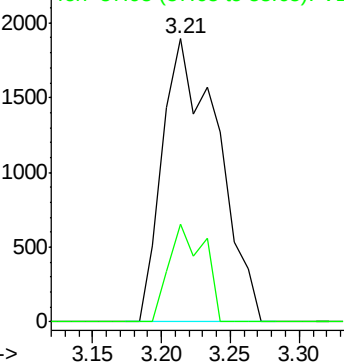
#16

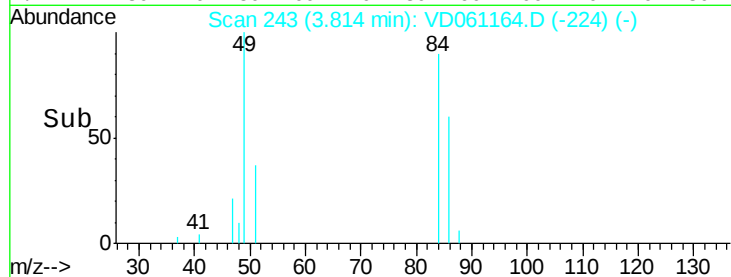
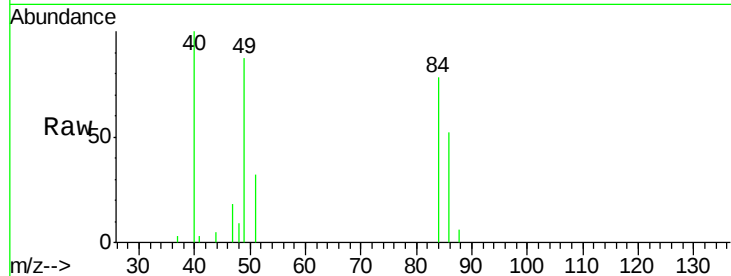
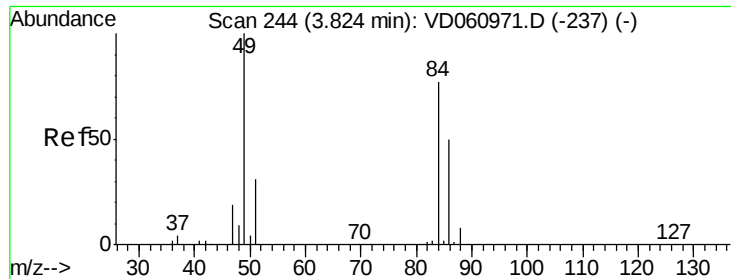
Acetone
 Concen: 3.323 ug/l
 RT: 3.21 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VD061164.D
 Acq: 19 Mar 2019 1:46

Tgt Ion: 43 Resp: 5290
 Ion Ratio Lower Upper
 43 100
 58 34.4 21.6 32.4#



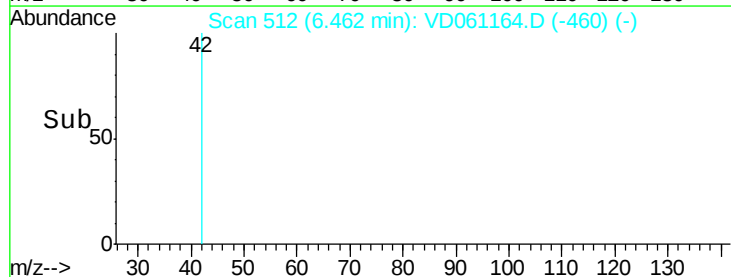
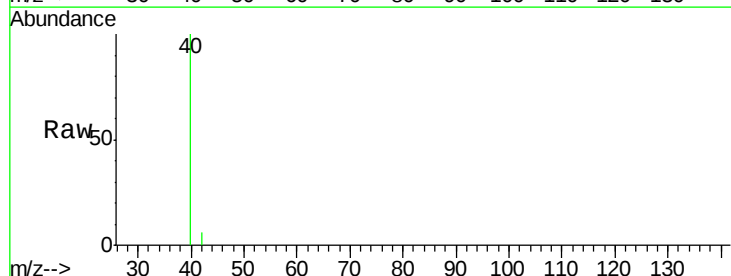
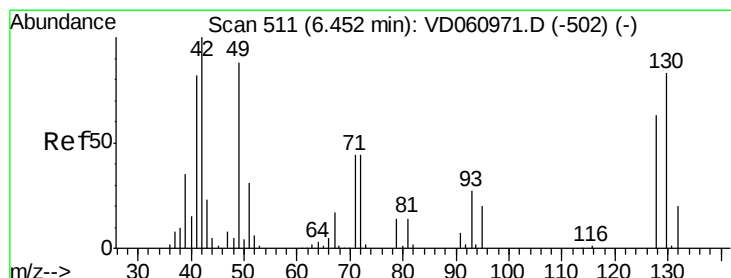
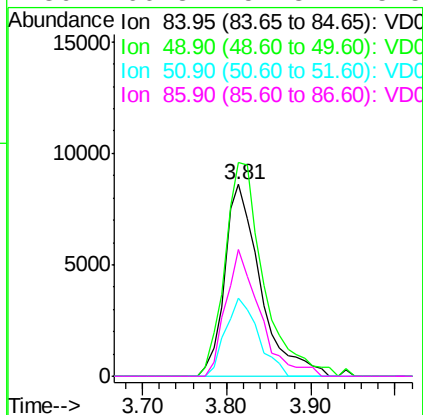
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC





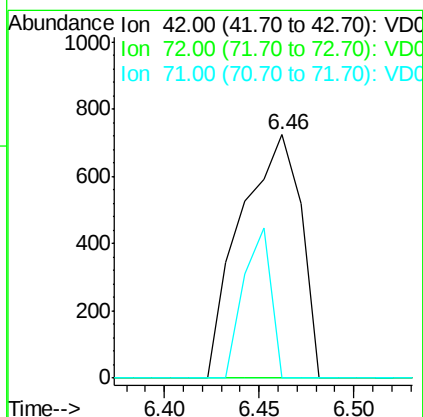
#20
Methylene Chloride
Concen: Below Cal
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061164.D
Acq: 19 Mar 2019 1:46

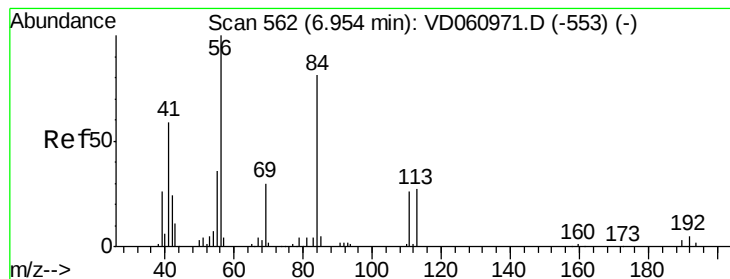
Tot Ion:	84	Resp:	25477
Ion	Ratio	Lower	Upper
84	100		
49	111.4	104.2	156.2
51	40.7	32.3	48.5
86	66.3	52.3	78.5



#29
Tetrahydrofuran
Concen: 1.632 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.01 min
Lab File: VD061164.D
Acq: 19 Mar 2019 1:46

Tgt Ion:	42	Resp:	1601
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.5	51.7#
71	27.9	33.8	50.6#





#31

Cyclohexane

Concen: 1.181 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD061164.D

Acq: 19 Mar 2019 1:46

Instrument :

MSVOA_D

ClientSampleId :

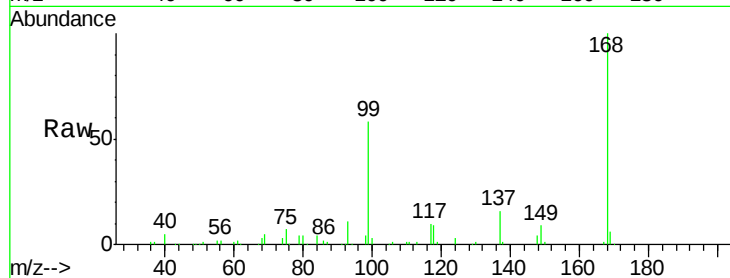
Tot Ion: 56 Resp: 11634

Ion Ratio Lower Upper

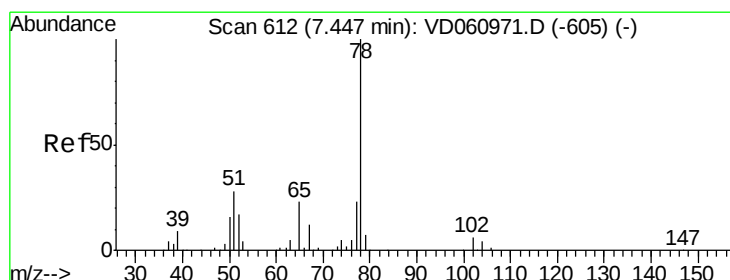
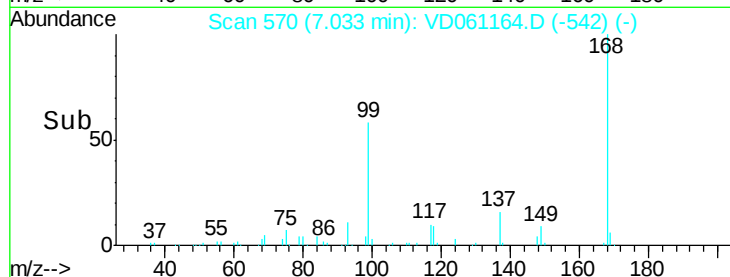
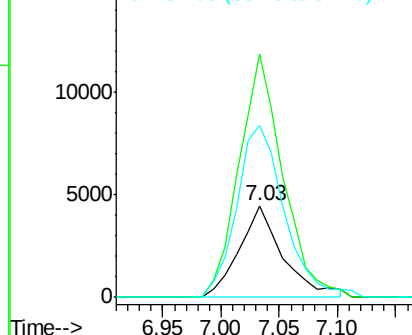
56 100

69 266.8 24.0 36.0#

84 188.8 65.8 98.6#



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: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061164.D

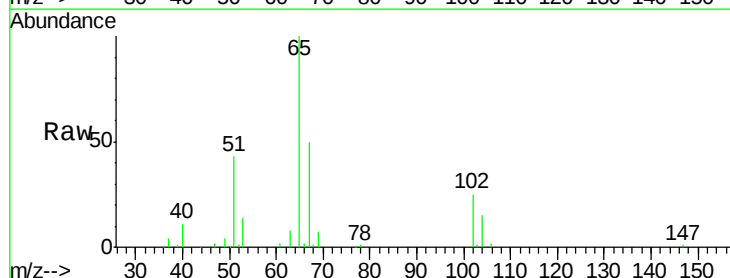
Acq: 19 Mar 2019 1:46

Tgt Ion: 65 Resp: 288607

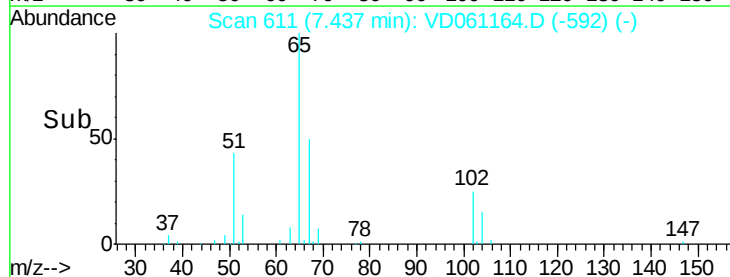
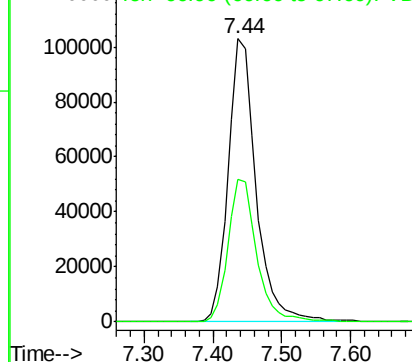
Ion Ratio Lower Upper

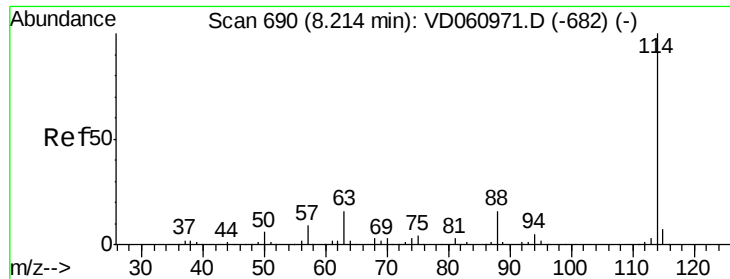
65 100

67 50.2 0.0 105.2



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

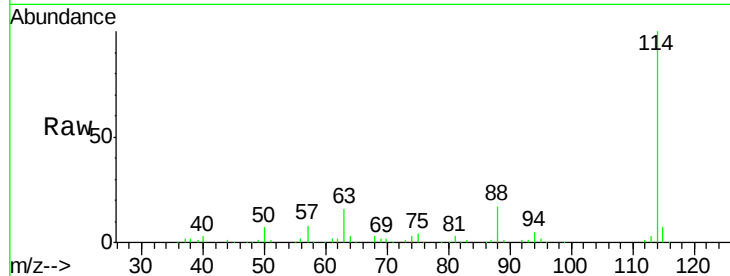




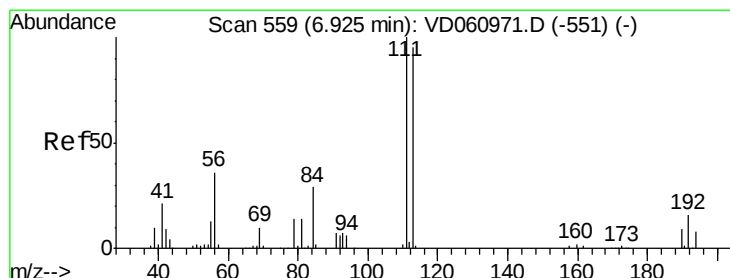
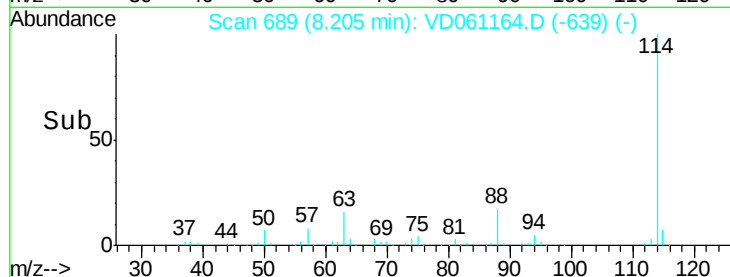
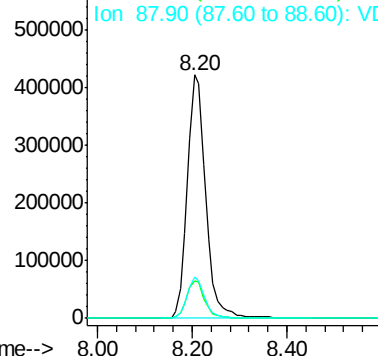
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061164.D
 Acq: 19 Mar 2019 1:46

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:114 Resp: 1137502
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.4
 88 16.8 0.0 33.0

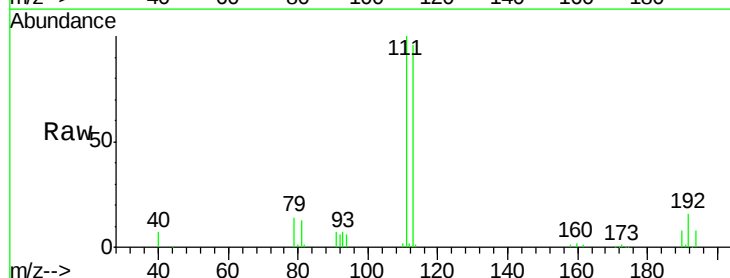


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

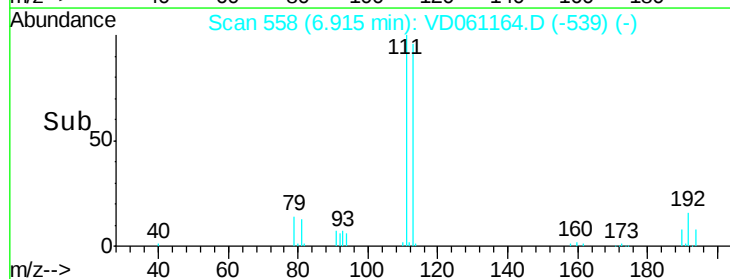
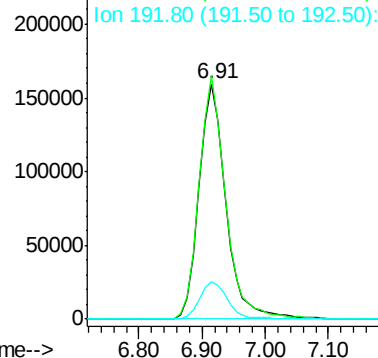


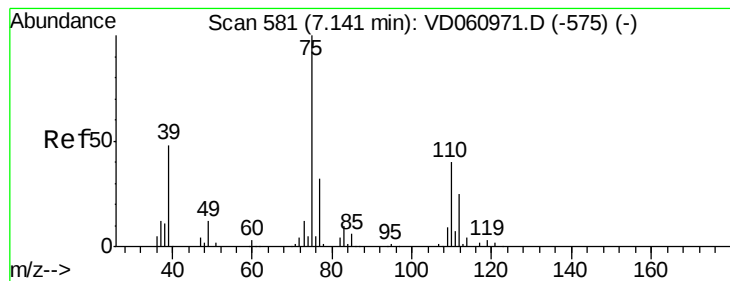
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061164.D
 Acq: 19 Mar 2019 1:46

Tgt Ion:113 Resp: 470237
 Ion Ratio Lower Upper
 113 100
 111 103.7 84.2 126.4
 192 16.2 13.1 19.7



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: 5.066 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD061164.D

Acq: 19 Mar 2019 1:46

Instrument :

MSVOA_D

ClientSampleId :

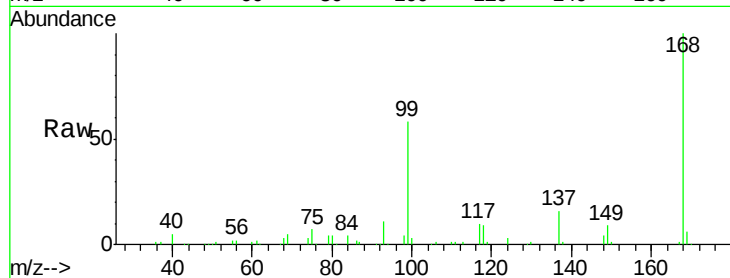
Tot Ion: 75 Resp: 49669

Ion Ratio Lower Upper

75 100

110 7.9 19.7 59.1#

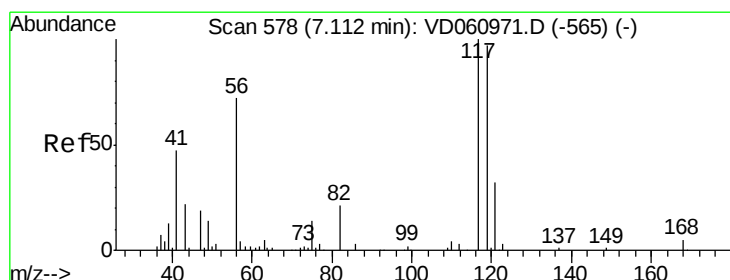
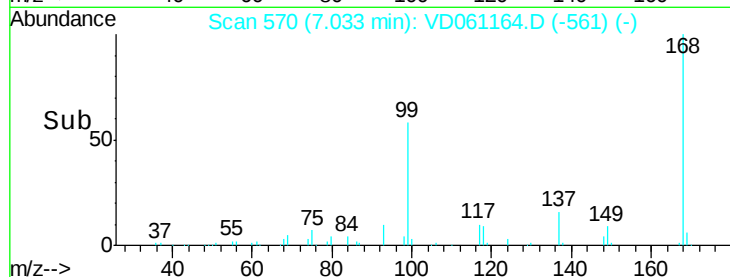
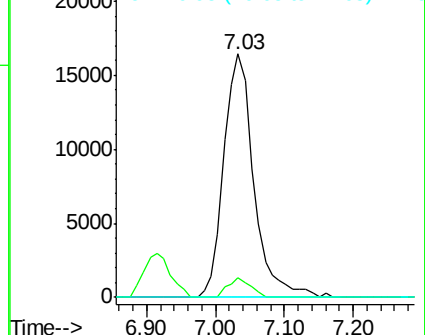
77 0.0 24.7 37.1#



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: 5.855 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD061164.D

Acq: 19 Mar 2019 1:46

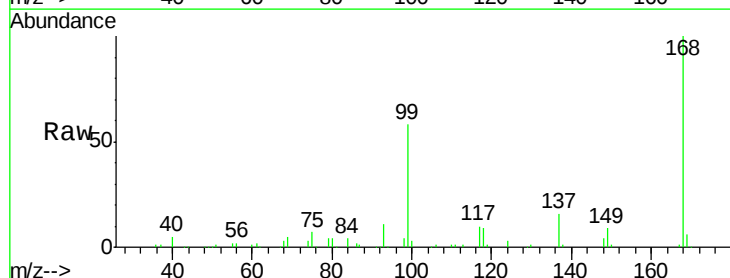
Tgt Ion: 117 Resp: 63233

Ion Ratio Lower Upper

117 100

119 7.0 77.8 116.8#

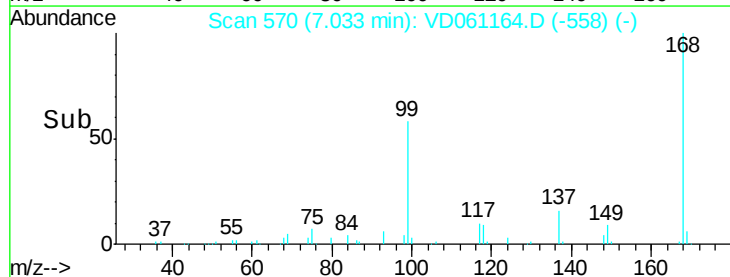
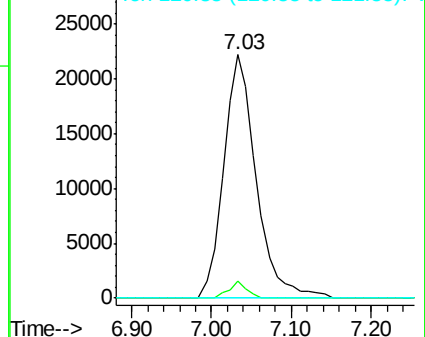
121 0.0 25.3 37.9#

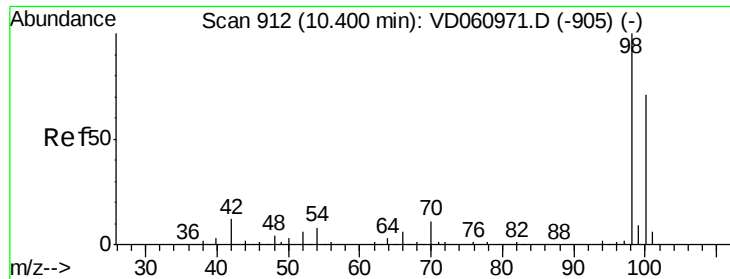


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

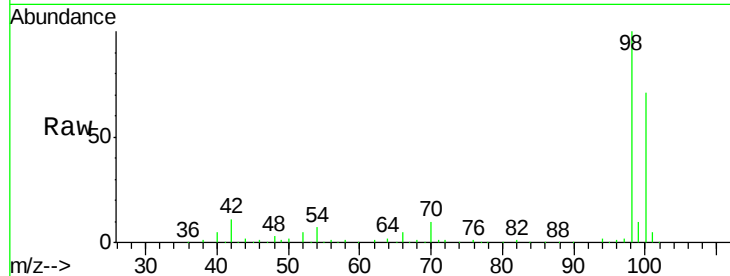




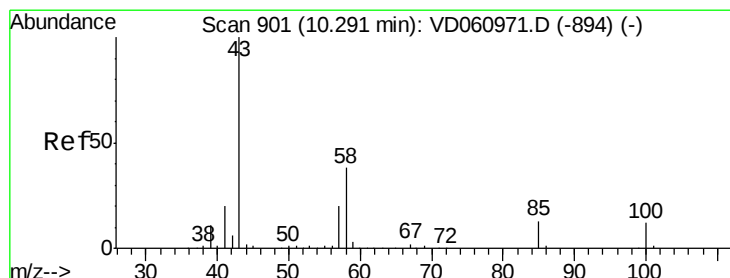
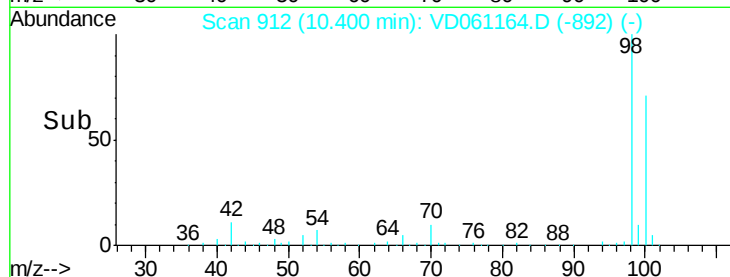
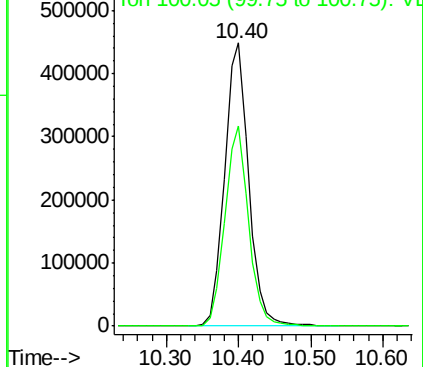
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD061164.D
Acq: 19 Mar 2019 1:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 1037891
Ion Ratio Lower Upper
98 100
100 70.9 57.4 86.2

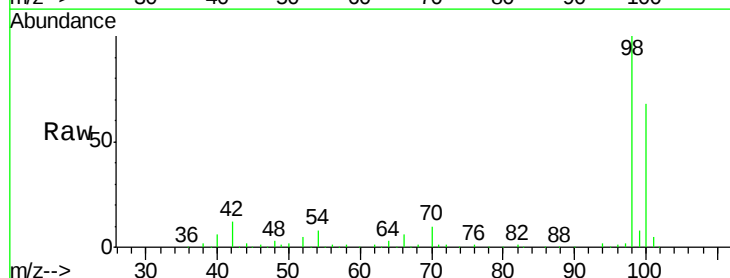


Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

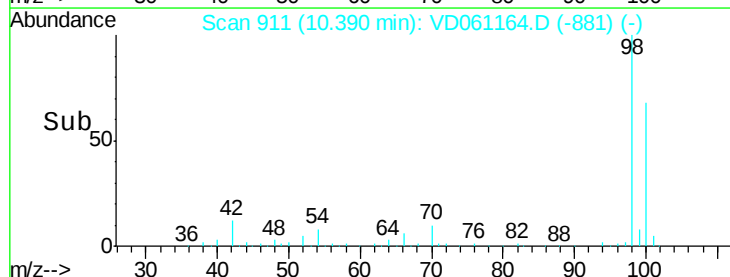
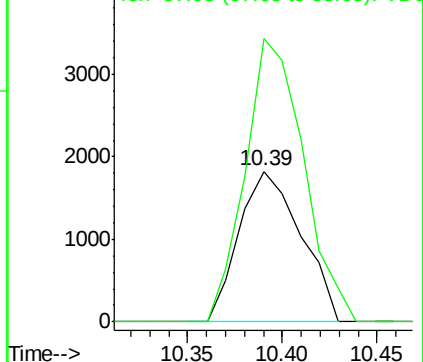


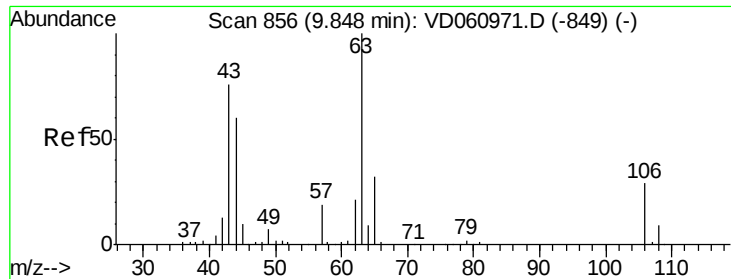
#51
4-Methyl-2-Pentanone
Concen: 1.059 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.10 min
Lab File: VD061164.D
Acq: 19 Mar 2019 1:46

Tgt Ion: 43 Resp: 4133
Ion Ratio Lower Upper
43 100
58 187.9 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VD060971.D (-894) (-)
Ion 57.95 (57.65 to 58.65): VD060971.D (-894) (-)

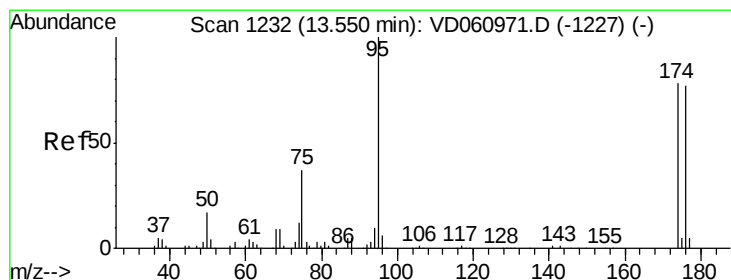
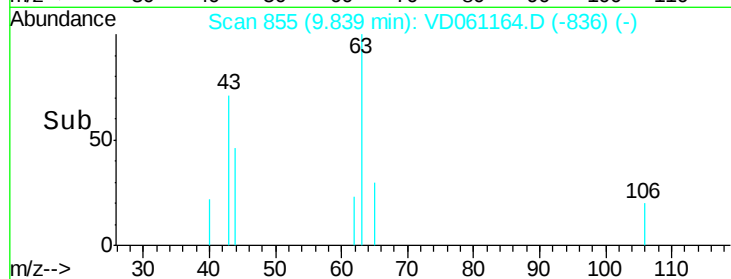
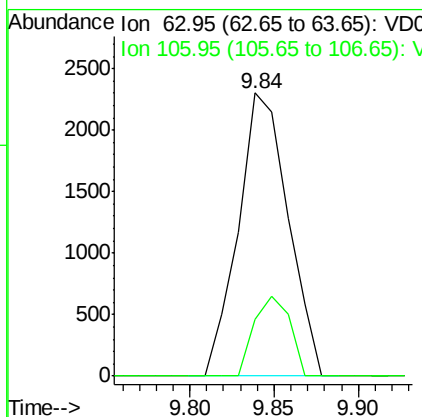
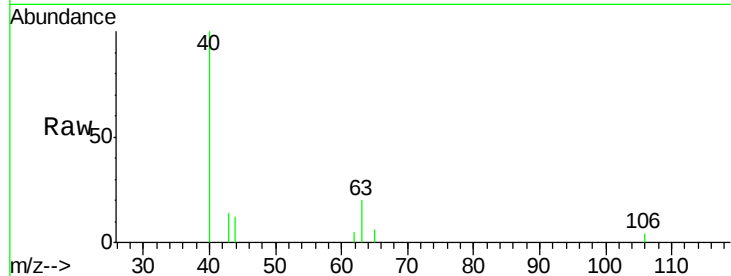




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.680 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD061164.D
 Acq: 19 Mar 2019 1:46

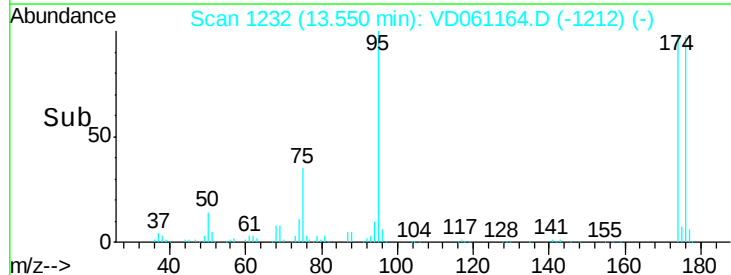
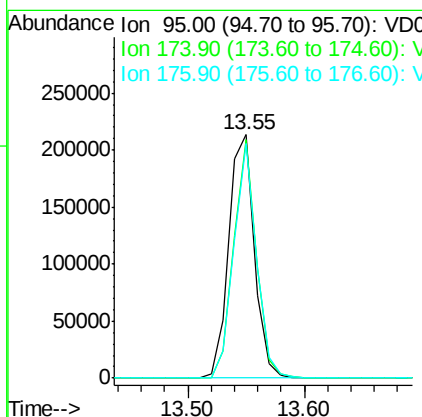
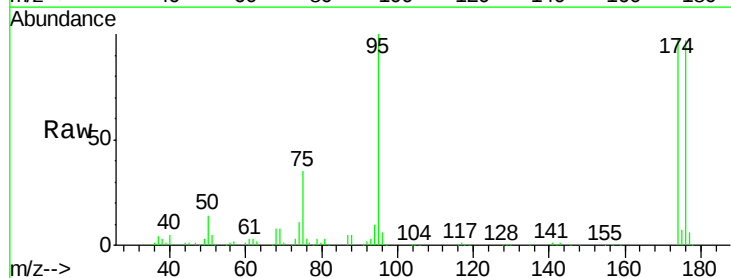
Instrument :
 MSVOA_D
 ClientSampleId :

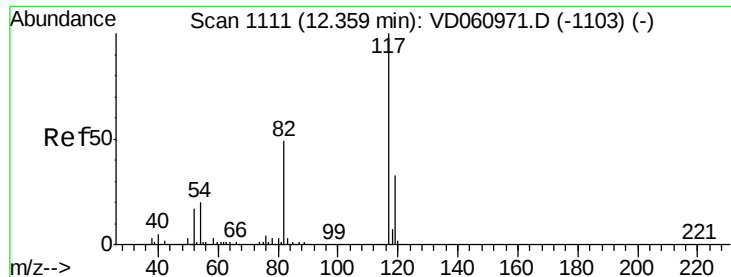
Tot Ion: 63 Resp: 4724
 Ion Ratio Lower Upper
 63 100
 106 19.9 22.8 34.2#



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061164.D
 Acq: 19 Mar 2019 1:46

Tgt Ion: 95 Resp: 324817
 Ion Ratio Lower Upper
 95 100
 174 97.9 0.0 155.6
 176 96.6 0.0 153.8

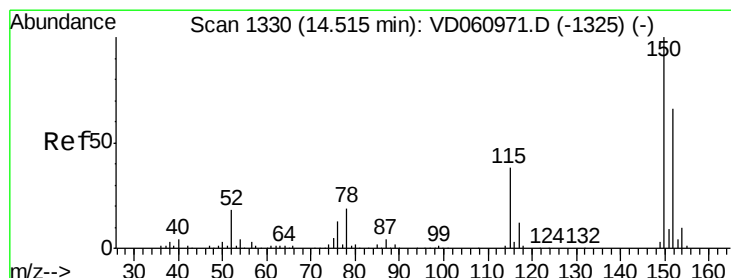
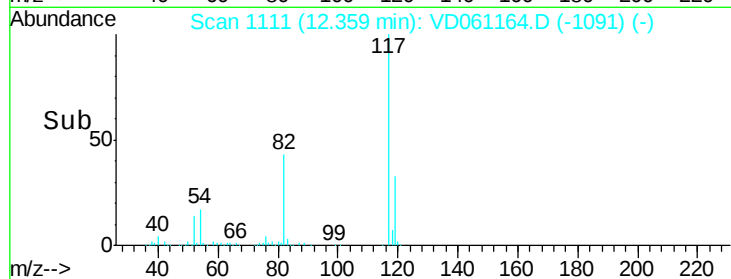
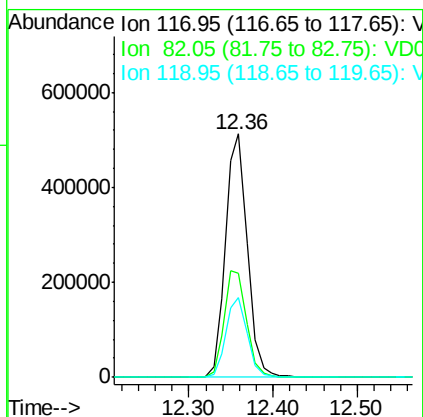
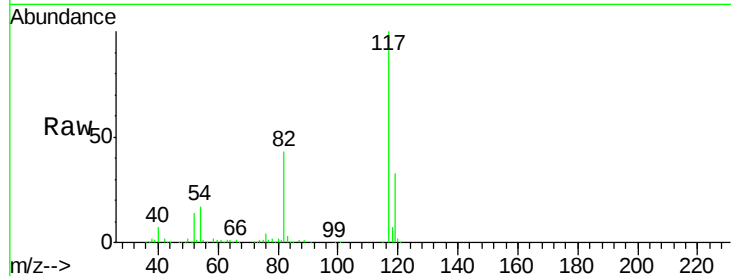




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061164.D
Acq: 19 Mar 2019 1:46

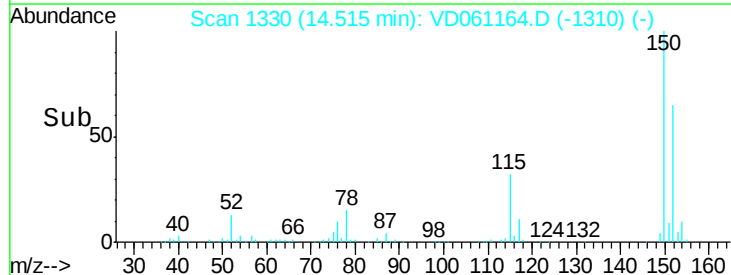
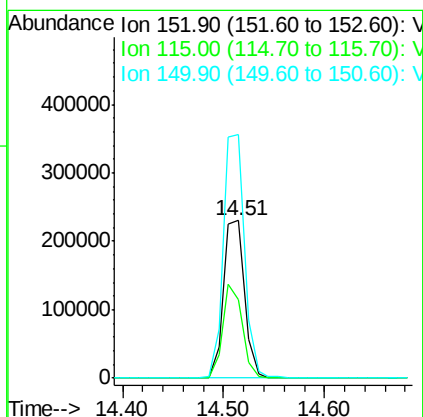
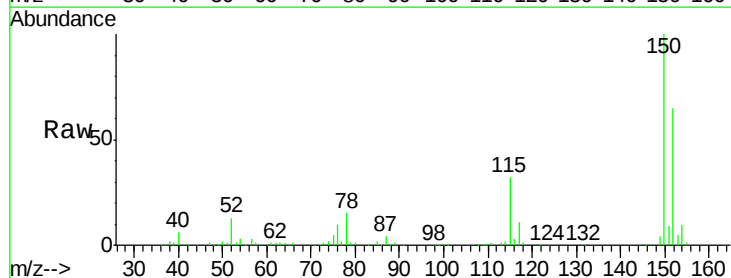
Instrument :
MSVOA_D
ClientSampleId :

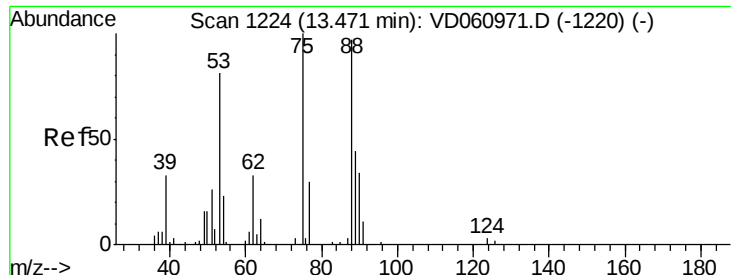
Tot Ion:117 Resp: 918979
Ion Ratio Lower Upper
117 100
82 42.7 38.9 58.3
119 32.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061164.D
Acq: 19 Mar 2019 1:46

Tgt Ion:152 Resp: 336229
Ion Ratio Lower Upper
152 100
115 50.1 28.6 85.9
150 154.8 0.0 310.6





#81

trans-1,4-Dichloro-2-butene

Concen: 82.766 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061164.D

Acq: 19 Mar 2019 1:46

Instrument :

MSVOA_D

ClientSampleId :

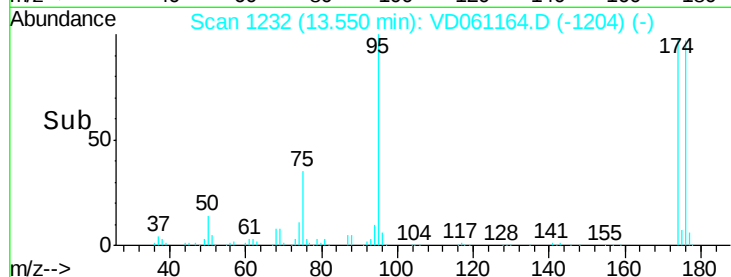
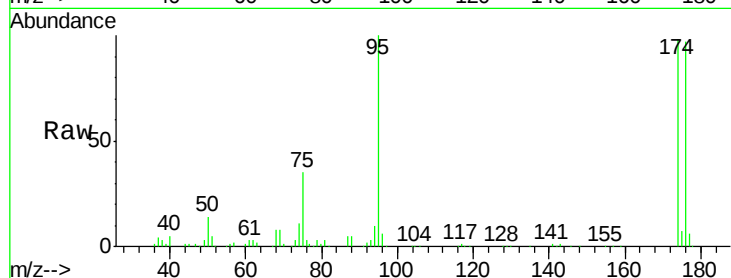
Tot Ion: 75 Resp: 118034

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



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

