

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121818\
 Data File : VD060624.D
 Acq On : 18 Dec 2018 16:38
 Operator : VA/AP
 Sample : J6397-04RE
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EB11 12-14

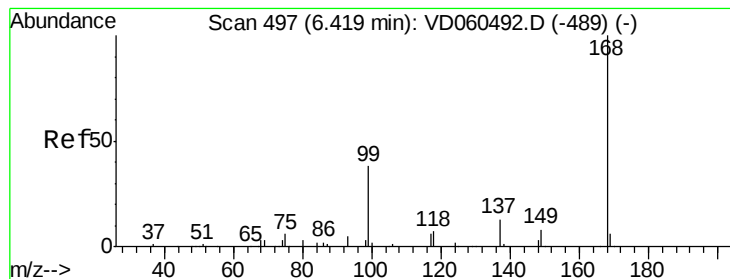
Quant Time: Dec 19 02:48:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1636727	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	2276605	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1856567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	932527	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	474982	40.94	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	81.88%	
35) Dibromofluoromethane	6.32	113	660619	39.51	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	79.02%	
50) Toluene-d8	9.45	98	1880864	38.87	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	77.74%	
62) 4-Bromofluorobenzene	12.42	95	665117	38.41	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	76.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	743	Below Cal	#	41
8) Diethyl Ether	2.83	74	6098	2.278	ug/l	82
11) Tert butyl alcohol	3.97	59	620	1.315	ug/l #	73
16) Acetone	3.16	43	43748	23.526	ug/l	95
20) Methylene Chloride	3.72	84	307808	14.886	ug/l	96
31) Cyclohexane	6.40	56	30633	Below Cal	#	1
36) 1,1-Dichloropropene	6.40	75	119532	5.371	ug/l #	47
38) Carbon Tetrachloride	6.40	117	126674	6.341	ug/l #	16
51) 4-Methyl-2-Pentanone	9.45	43	10446	1.410	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.42	75	271076	91.986	ug/l #	14
89) n-Butylbenzene	13.64	91	1241	Below Cal	#	80

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.02 min

Lab File: VD060624.D

Acq: 18 Dec 2018 16:38

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MSVOA_D

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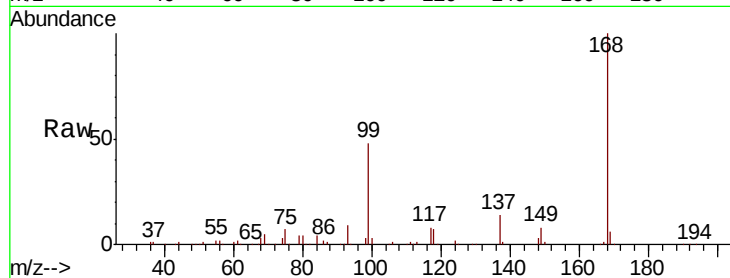
EB11 12-14

Tot Ion:168 Resp: 1636727

Ion Ratio Lower Upper

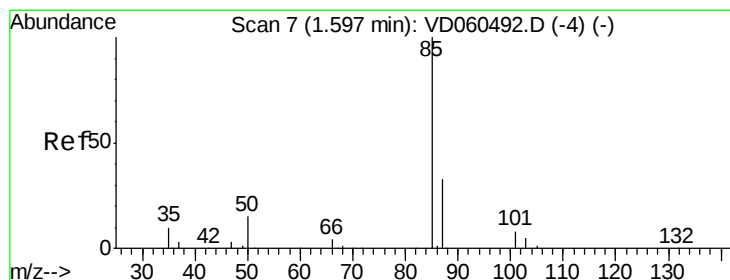
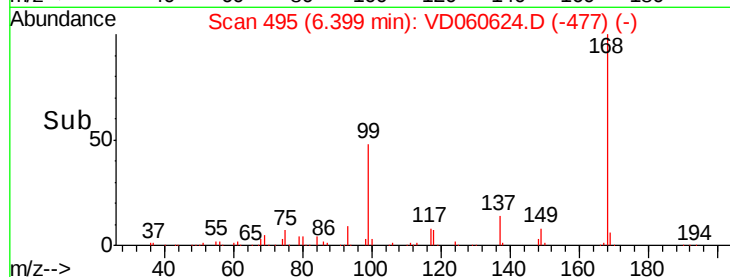
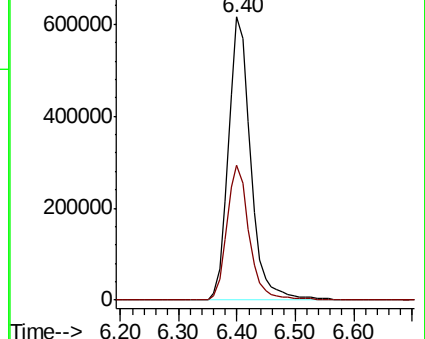
168 100

99 47.8 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060624.D

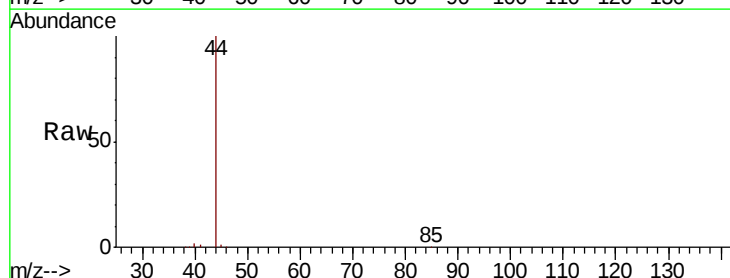
Acq: 18 Dec 2018 16:38

Tgt Ion: 85 Resp: 743

Ion Ratio Lower Upper

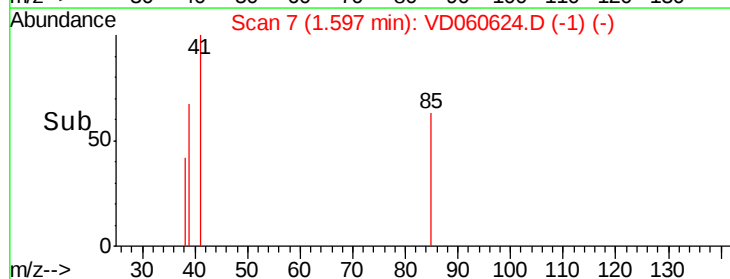
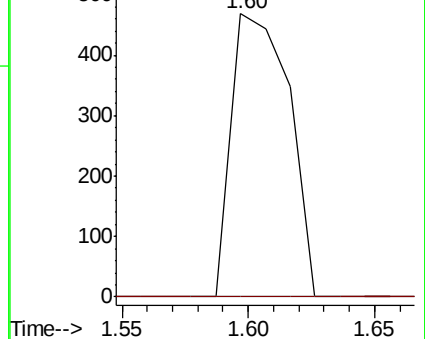
85 100

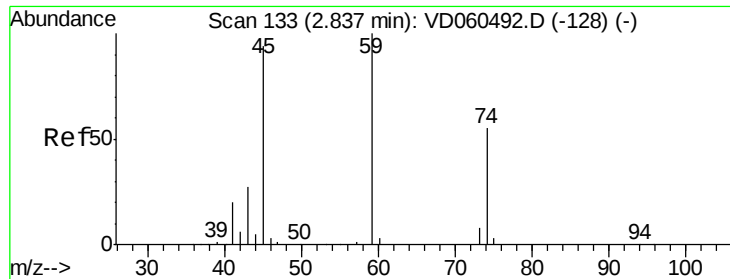
87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#8

Diethyl Ether

Concen: 2.278 ug/l

RT: 2.83 min Scan# 132

Delta R.T. -0.01 min

Lab File: VD060624.D

Acq: 18 Dec 2018 16:38

Instrument :

MSVOA_D

ClientSampleId :

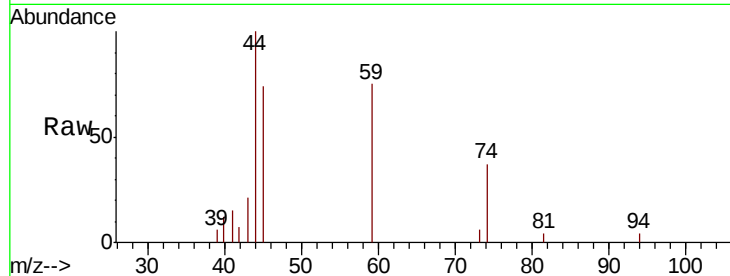
EB11 12-14

Tot Ion: 74 Resp: 6098

Ion Ratio Lower Upper

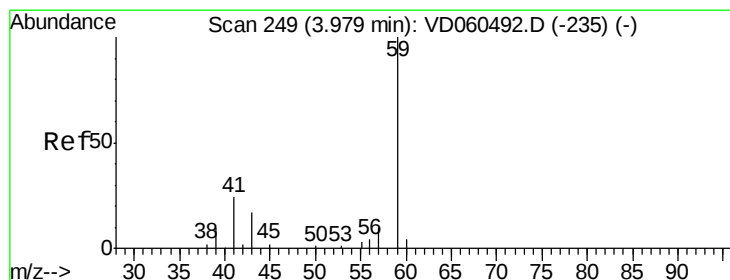
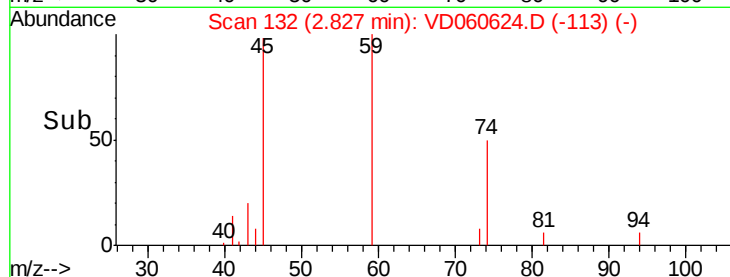
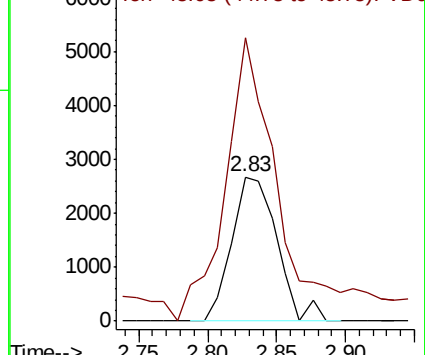
74 100

45 196.4 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#11

Tert butyl alcohol

Concen: 1.315 ug/l

RT: 3.97 min Scan# 248

Delta R.T. -0.01 min

Lab File: VD060624.D

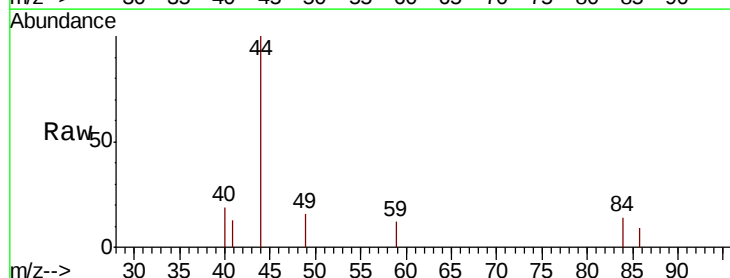
Acq: 18 Dec 2018 16:38

Tgt Ion: 59 Resp: 620

Ion Ratio Lower Upper

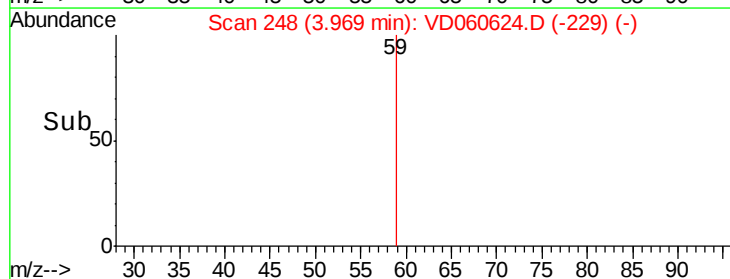
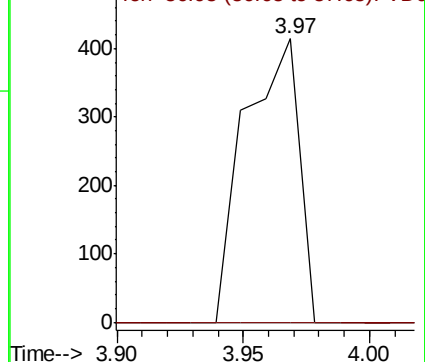
59 100

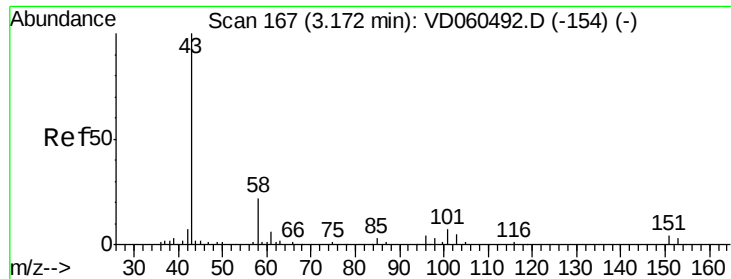
57 0.0 8.1 12.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 23.526 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060624.D

Acq: 18 Dec 2018 16:38

Instrument :

MSVOA_D

ClientSampleId :

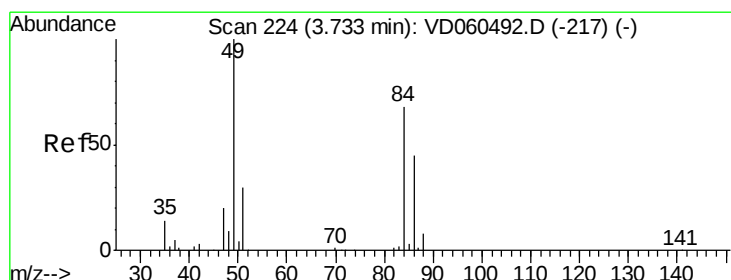
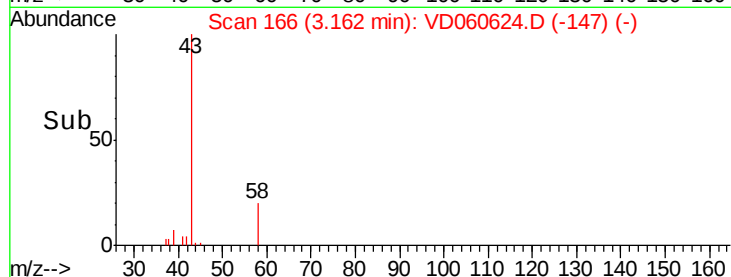
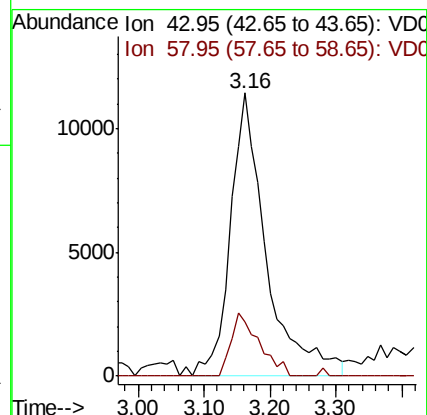
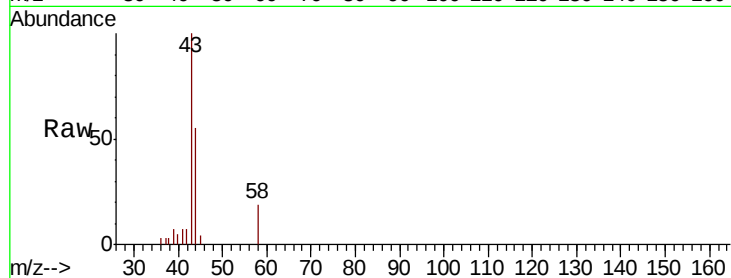
EB11 12-14

Tot Ion: 43 Resp: 43748

Ion Ratio Lower Upper

43 100

58 19.1 17.3 25.9



#20

Methylene Chloride

Concen: 14.886 ug/l

RT: 3.72 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD060624.D

Acq: 18 Dec 2018 16:38

Tgt Ion: 84 Resp: 307808

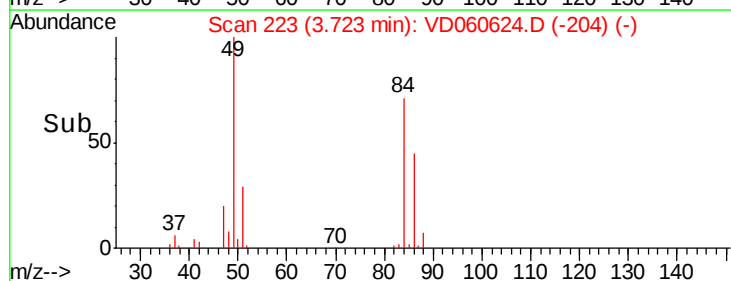
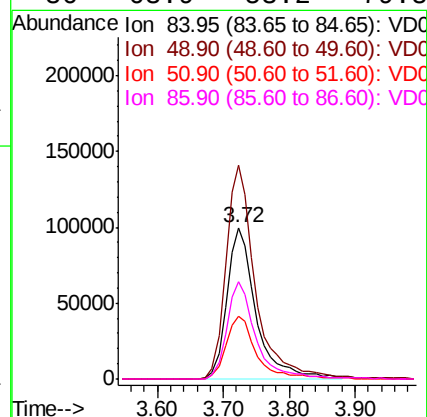
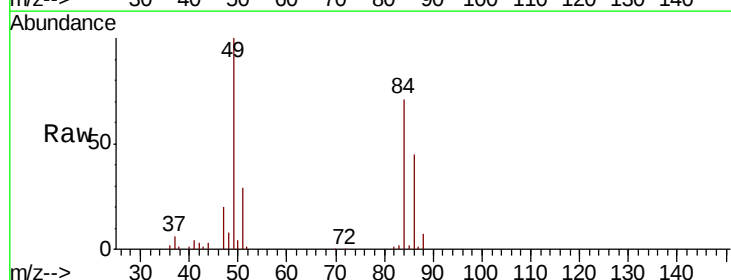
Ion Ratio Lower Upper

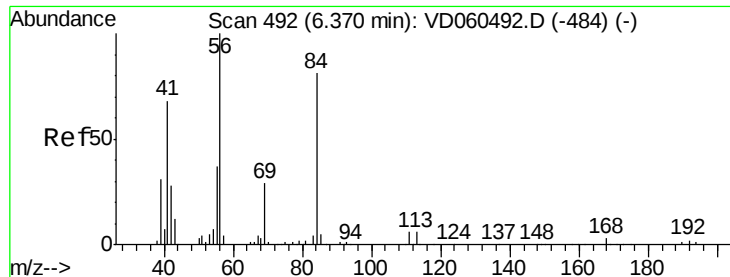
84 100

49 140.9 117.2 175.8

51 41.1 35.3 52.9

86 63.9 53.2 79.8

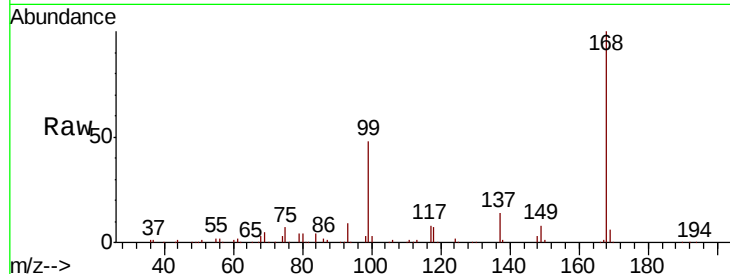




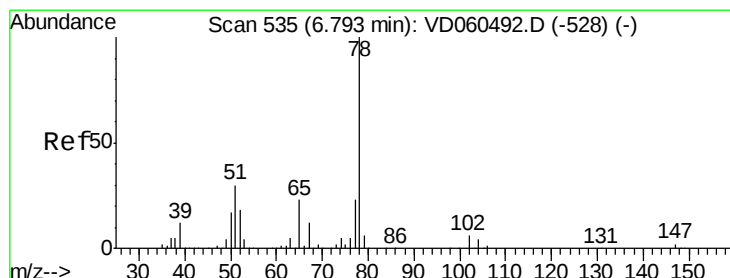
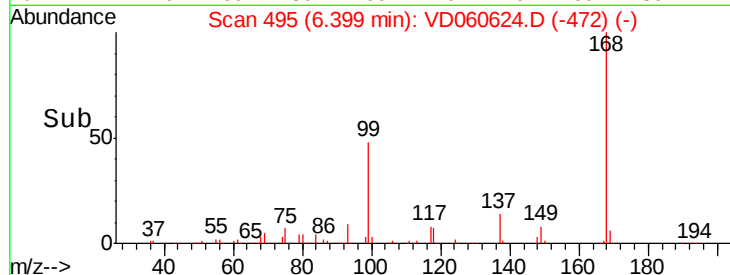
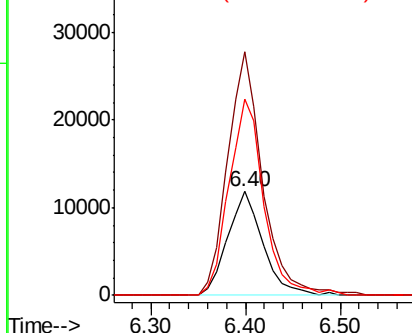
#31
Cyclohexane
Concen: Below Cal
RT: 6.40 min Scan# 495
Delta R.T. 0.03 min
Lab File: VD060624.D
Acq: 18 Dec 2018 16:38

Instrument :
MSVOA_D
ClientSampleId :
EB11_12-14

Tot Ion	56	69	84	Resp	30633	Lower	Upper
Ion	100	234.7	189.5			22.8	34.2#
						65.1	97.7#

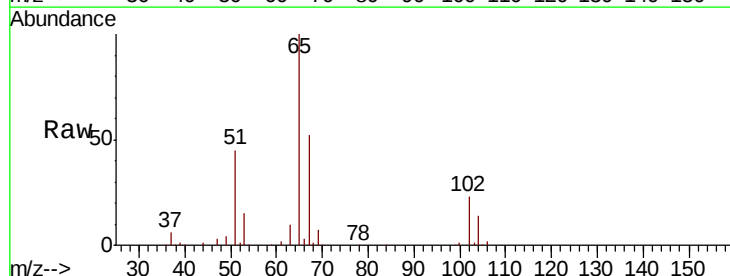


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

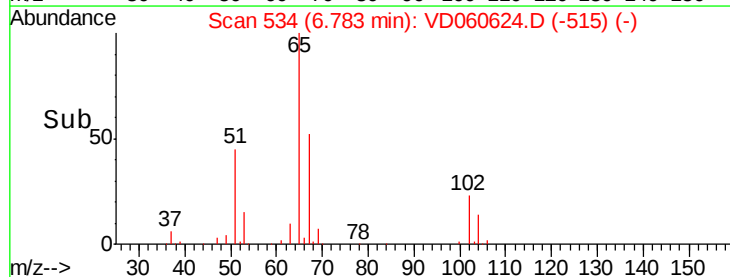
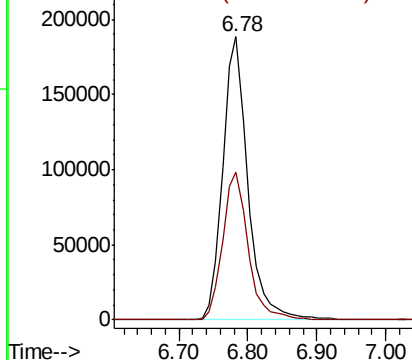


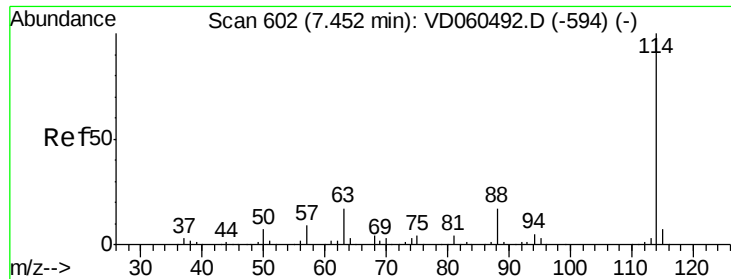
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.01 min
Lab File: VD060624.D
Acq: 18 Dec 2018 16:38

Tgt Ion	65	67	Resp	474982	Lower	Upper
Ion	100	52.2			0.0	106.8



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

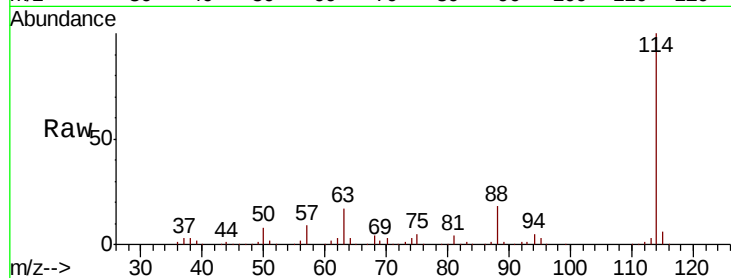




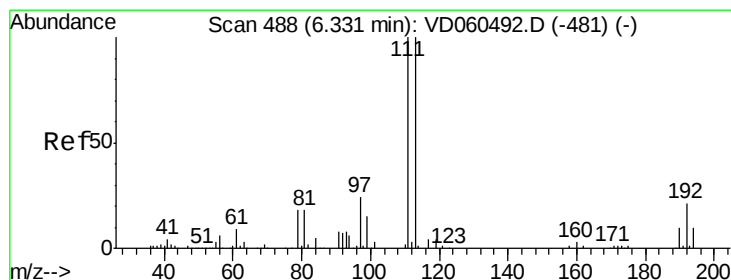
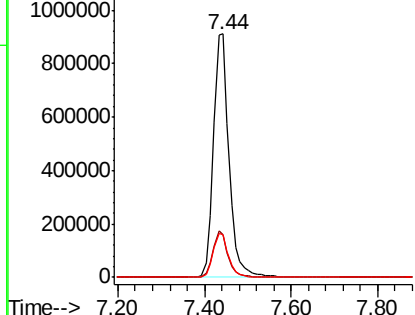
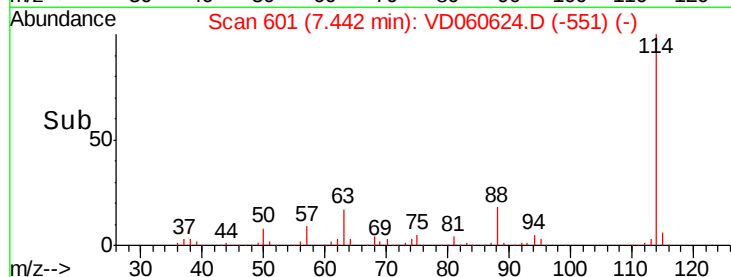
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VD060624.D
 Acq: 18 Dec 2018 16:38

Instrument :
 MSVOA_D
 ClientSampleId :
 EB11_12-14

Tot Ion:114 Resp: 2276605
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 34.2
 88 17.7 0.0 35.0

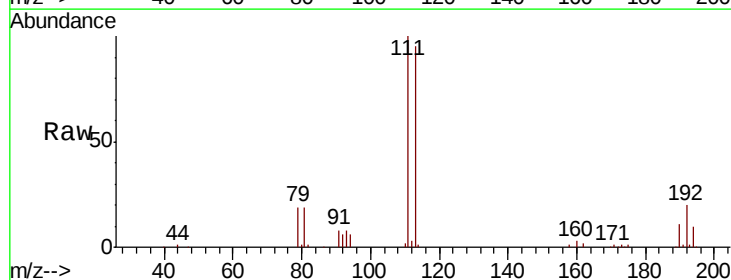


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

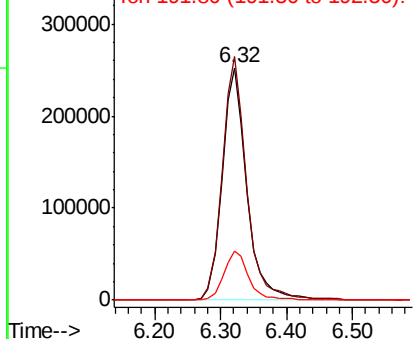
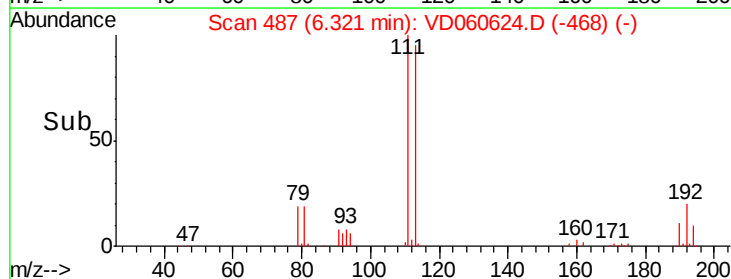


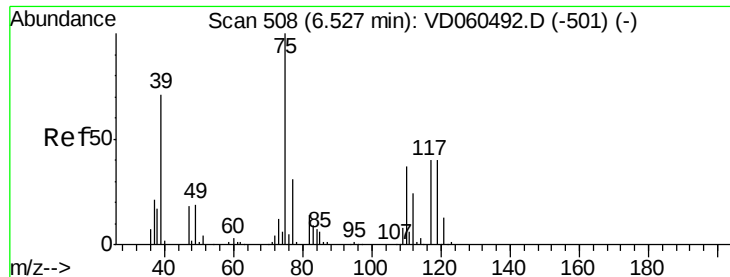
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: VD060624.D
 Acq: 18 Dec 2018 16:38

Tgt Ion:113 Resp: 660619
 Ion Ratio Lower Upper
 113 100
 111 104.9 80.2 120.4
 192 21.0 16.6 24.8



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: 5.371 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.13 min

Lab File: VD060624.D

Acq: 18 Dec 2018 16:38

Instrument :

MSVOA_D

ClientSampleId :

EB11 12-14

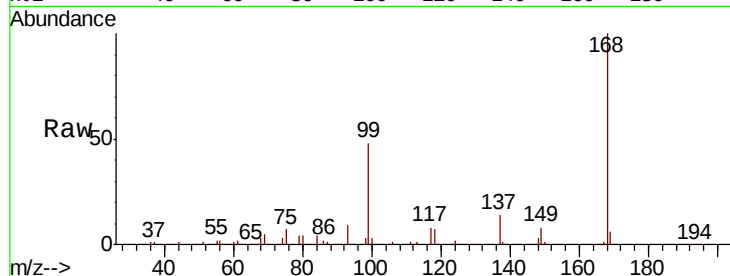
Tot Ion: 75 Resp: 119532

Ion Ratio Lower Upper

75 100

110 6.8 18.3 54.8#

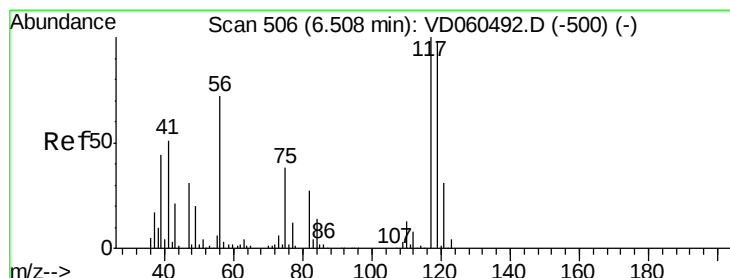
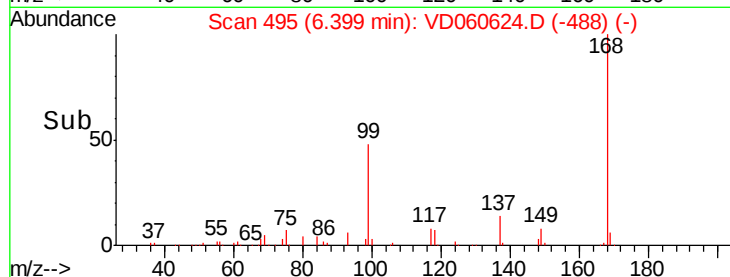
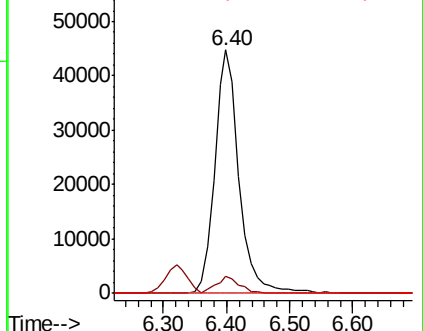
77 0.0 24.6 37.0#



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: 6.341 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.11 min

Lab File: VD060624.D

Acq: 18 Dec 2018 16:38

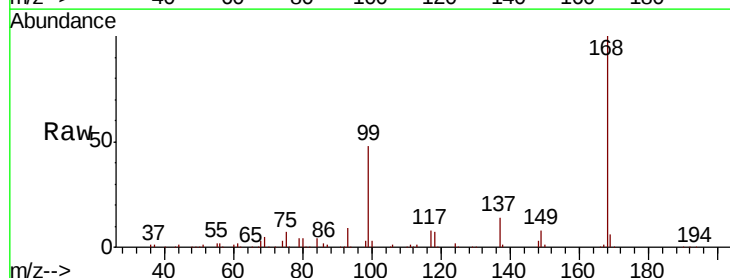
Tgt Ion: 117 Resp: 126674

Ion Ratio Lower Upper

117 100

119 5.0 76.8 115.2#

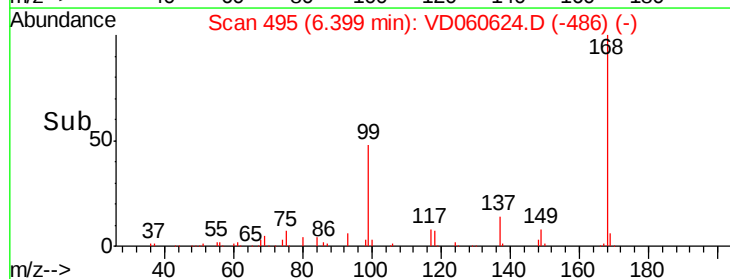
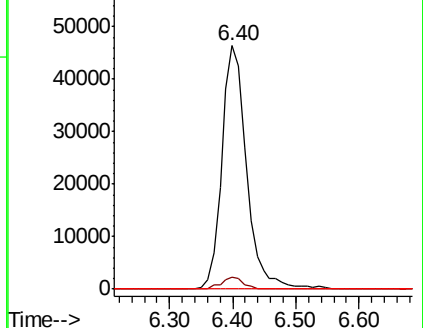
121 0.0 24.4 36.6#

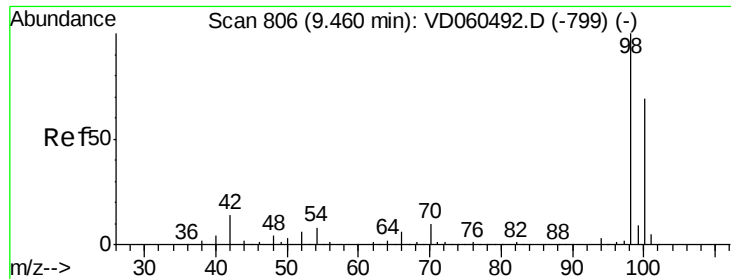


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

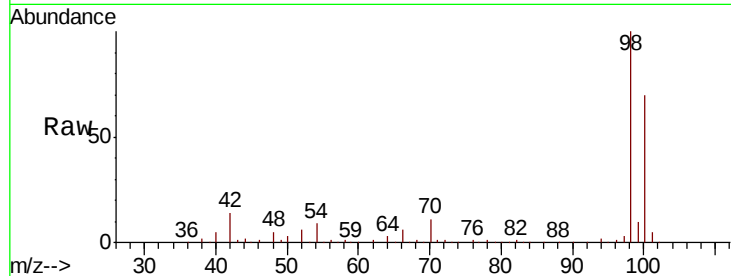




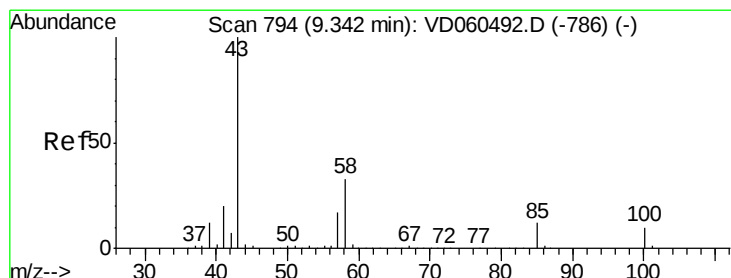
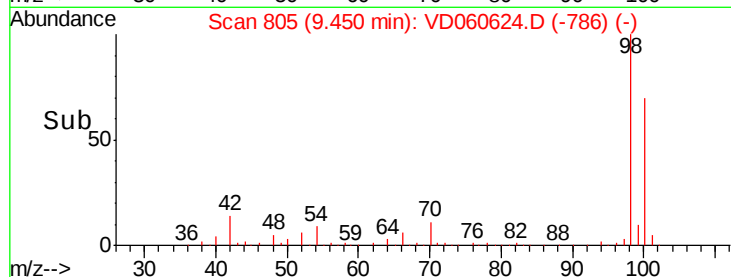
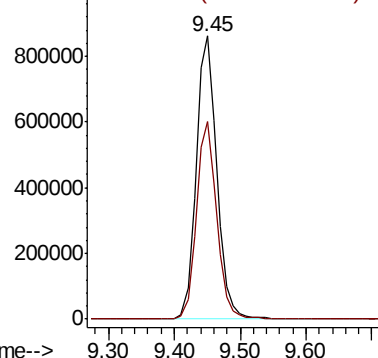
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. -0.01 min
Lab File: VD060624.D
Acq: 18 Dec 2018 16:38

Instrument :
MSVOA_D
ClientSampleId :
EB11_12-14

Tot Ion: 98 Resp: 1880864
Ion Ratio Lower Upper
98 100
100 70.0 55.7 83.5

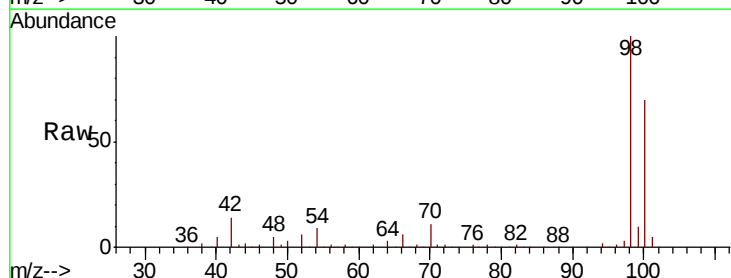


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

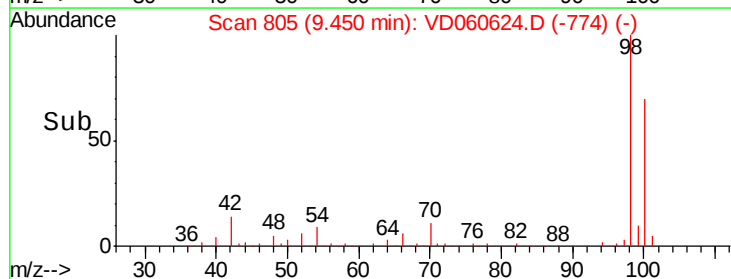
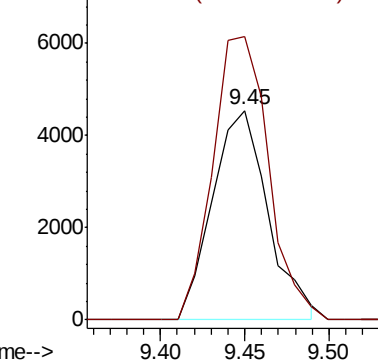


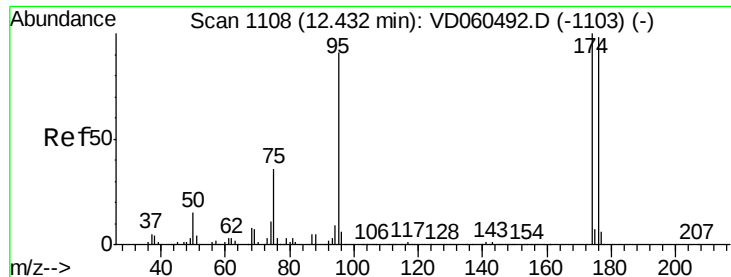
#51
4-Methyl-2-Pentanone
Concen: 1.410 ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.11 min
Lab File: VD060624.D
Acq: 18 Dec 2018 16:38

Tgt Ion: 43 Resp: 10446
Ion Ratio Lower Upper
43 100
58 135.2 26.3 39.5#



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060624.D

Acq: 18 Dec 2018 16:38

Instrument :

MSVOA_D

ClientSampleId :

EB11 12-14

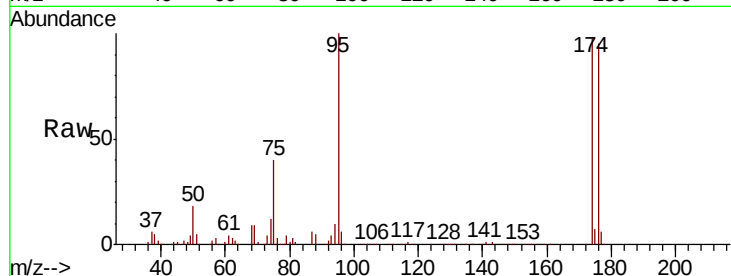
Tot Ion: 95 Resp: 665117

Ion Ratio Lower Upper

95 100

174 98.4 0.0 219.4

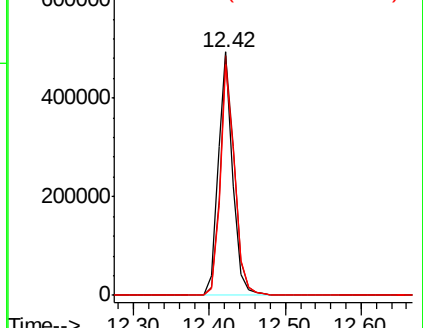
176 94.9 0.0 214.6



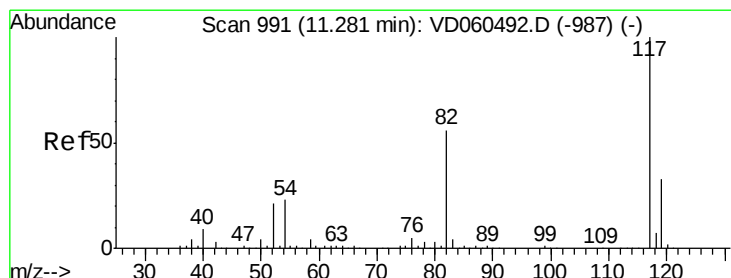
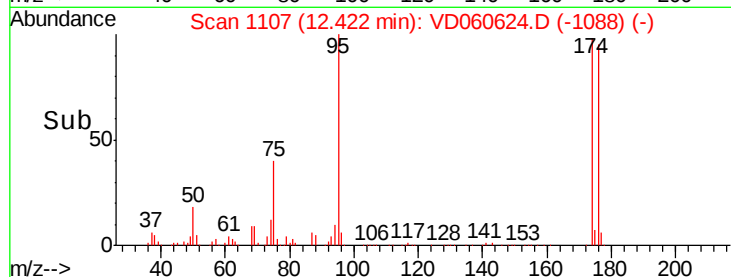
Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VD060624.D

Acq: 18 Dec 2018 16:38

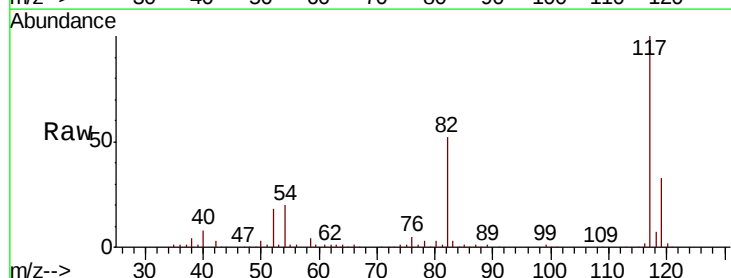
Tgt Ion: 117 Resp: 1856567

Ion Ratio Lower Upper

117 100

82 52.3 45.2 67.8

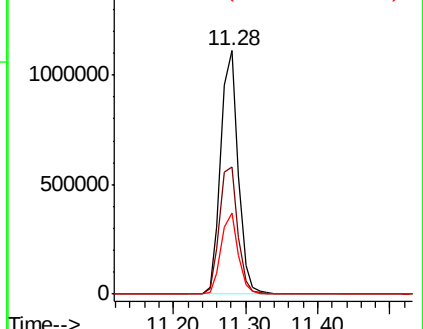
119 33.1 26.1 39.1



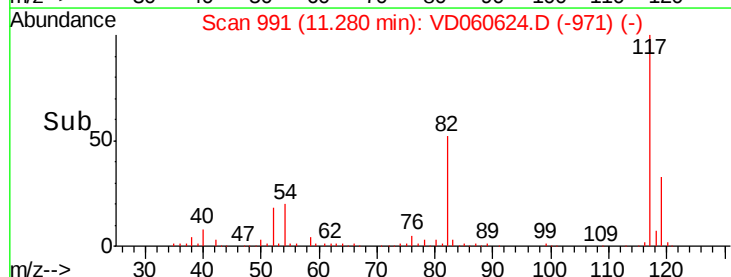
Abundance Ion 116.95 (116.65 to 117.65): V

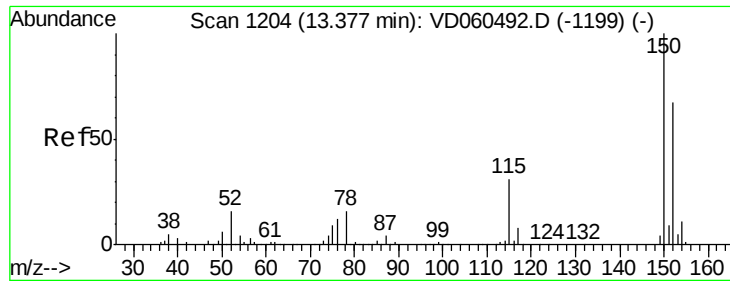
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



Time-->



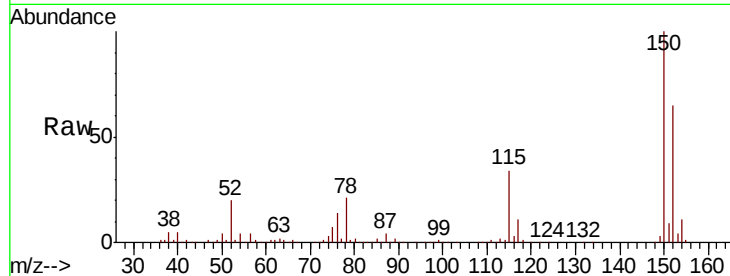


#72

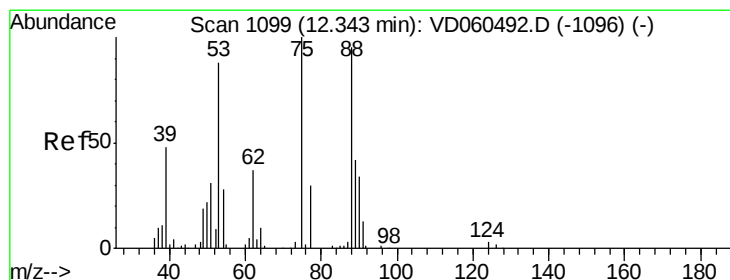
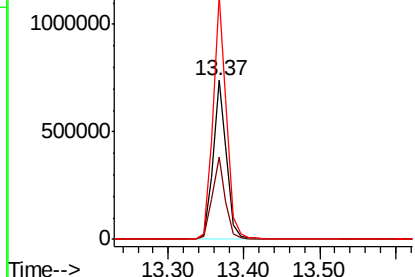
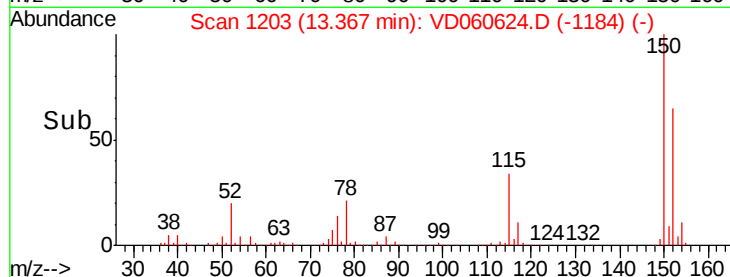
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VD060624.D
Acq: 18 Dec 2018 16:38

Instrument :
MSVOA_D
ClientSampleId :
EB11_12-14

Tot Ion:152 Resp: 932527
Ion Ratio Lower Upper
152 100
115 51.9 24.6 74.0
150 153.3 0.0 309.0



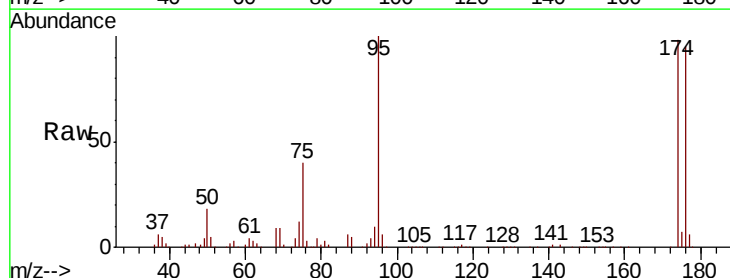
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 91.986 ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.08 min
Lab File: VD060624.D
Acq: 18 Dec 2018 16:38

Tgt Ion: 75 Resp: 271076
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 33.6 50.4#



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

