

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
 Data File : VD060504.D
 Acq On : 6 Dec 2018 14:39
 Operator : VA/AP
 Sample : J6199-03
 Misc : 7.39g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 07 03:36:25 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

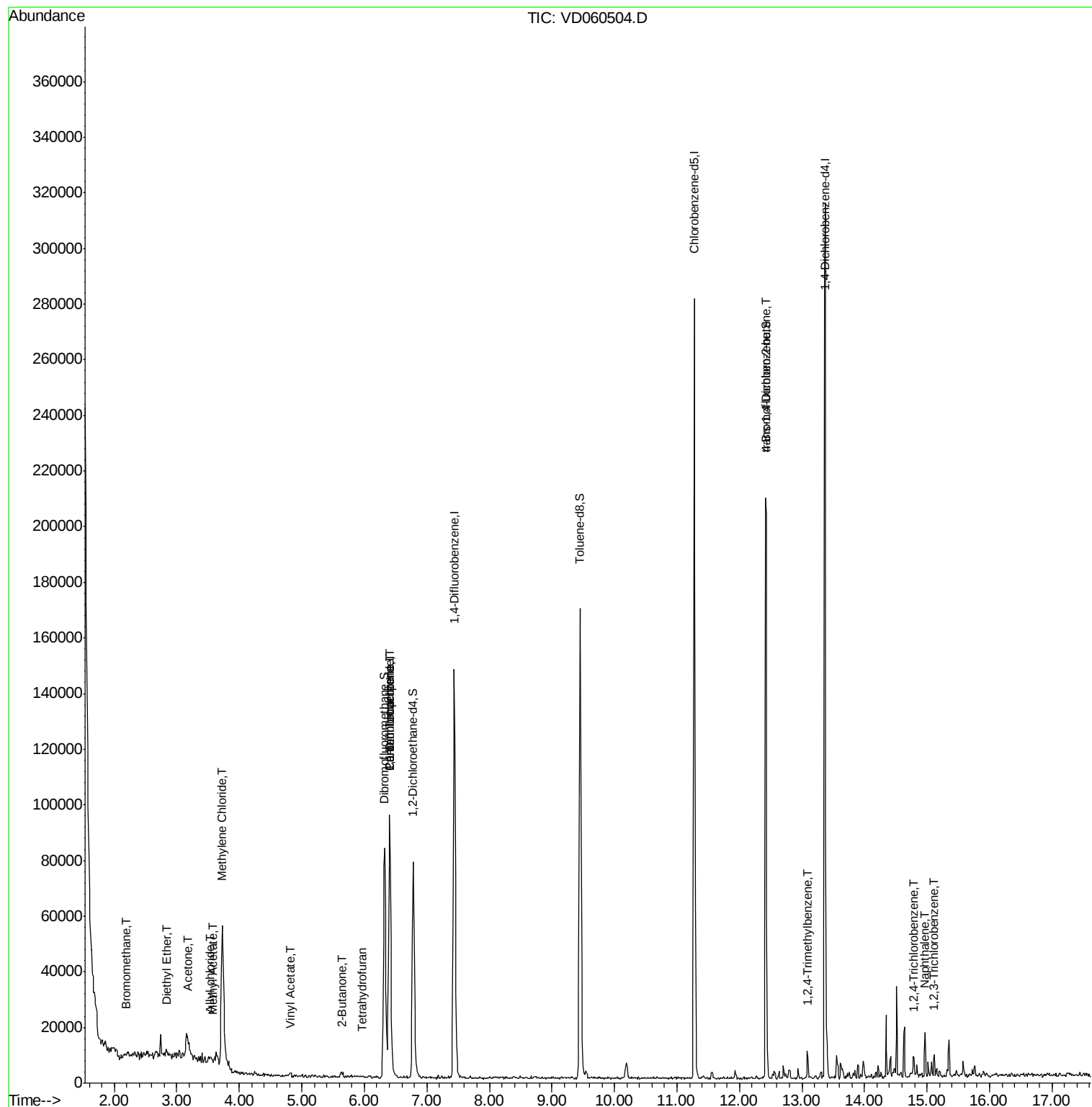
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	95005	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	155786	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	144097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	79052	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.78	65	69928	103.84	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	207.68%	
35) Dibromofluoromethane	6.33	113	68365	59.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.50%	
50) Toluene-d8	9.45	98	138876	41.94	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	83.88%	
62) 4-Bromofluorobenzene	12.42	95	63366	53.48	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.96%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.19	94	665	3.412	ug/l	88
8) Diethyl Ether	2.83	74	195	1.255	ug/l	92
14) Allyl chloride	3.53	41	1258	1.396	ug/l #	64
16) Acetone	3.18	43	19341	179.184	ug/l	92
18) Methyl Acetate	3.58	43	1404	5.473	ug/l #	64
20) Methylene Chloride	3.73	84	33268	31.953	ug/l	98
23) Vinyl Acetate	4.80	43	1621	1.011	ug/l #	80
25) 2-Butanone	5.63	43	241	1.135	ug/l #	59
29) Tetrahydrofuran	5.98	42	1090	9.064	ug/l #	40
31) Cyclohexane	6.39	56	1043	Below Cal	#	1
36) 1,1-Dichloropropene	6.39	75	6199	4.071	ug/l #	41
38) Carbon Tetrachloride	6.41	117	6692	4.895	ug/l #	12
81) trans-1,4-Dichloro-2-buten	12.42	75	27063	108.331	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.09	105	5613	1.268	ug/l	95
93) 1,2,4-Trichlorobenzene	14.79	180	2450	1.440	ug/l	80
95) Naphthalene	14.97	128	9808	4.847	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	2615	1.930	ug/l	96

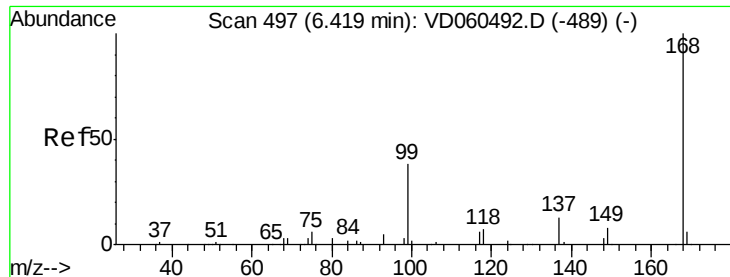
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060504.D

Acq: 6 Dec 2018 14:39

Instrument :

MSVOA_D

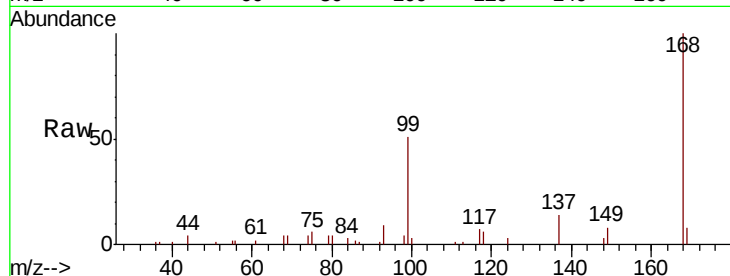
ClientSampled :

Tot Ion:168 Resp: 95005

Ion Ratio Lower Upper

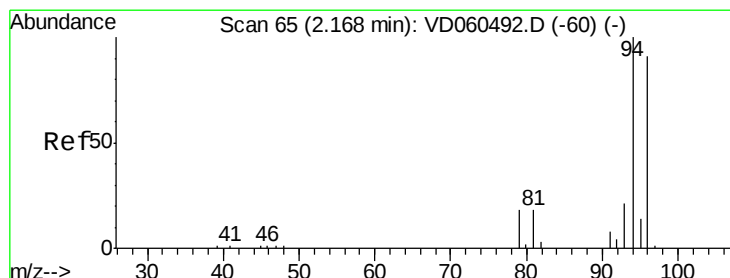
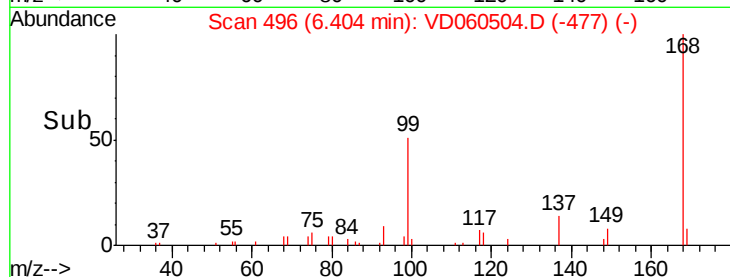
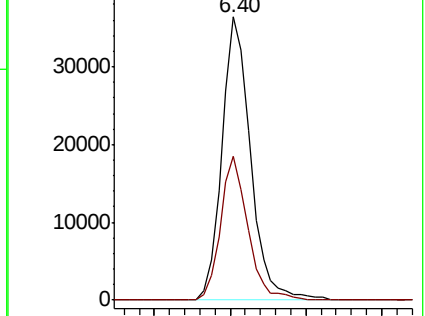
168 100

99 51.0 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 3.412 ug/l

RT: 2.19 min Scan# 68

Delta R.T. 0.02 min

Lab File: VD060504.D

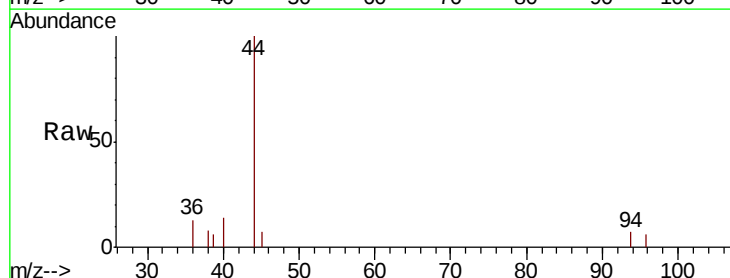
Acq: 6 Dec 2018 14:39

Tgt Ion: 94 Resp: 665

Ion Ratio Lower Upper

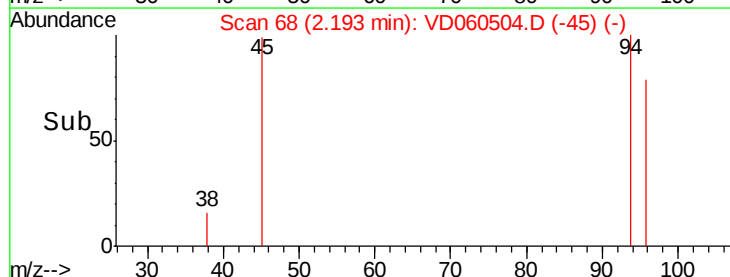
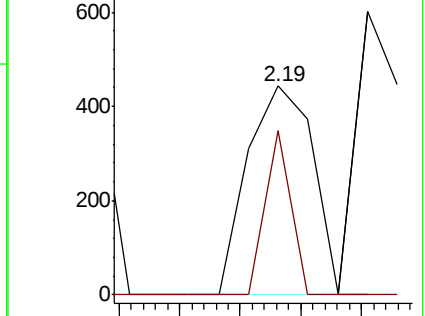
94 100

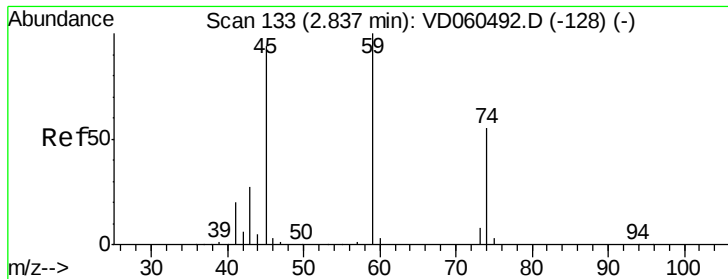
96 79.0 72.6 108.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#8

Diethyl Ether

Concen: 1.255 ug/l

RT: 2.83 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD060504.D

Acq: 6 Dec 2018 14:39

Instrument :

MSVOA_D

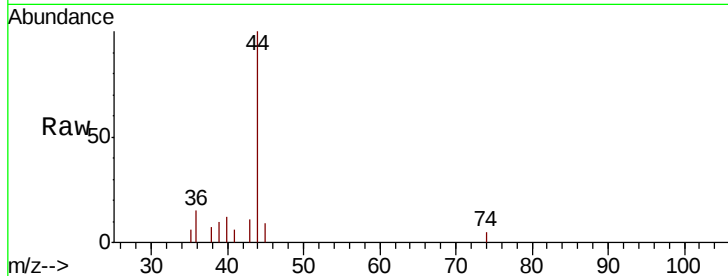
ClientSampleId :

Tot Ion: 74 Resp: 195

Ion Ratio Lower Upper

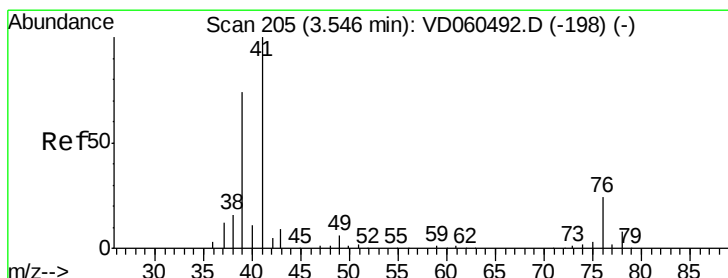
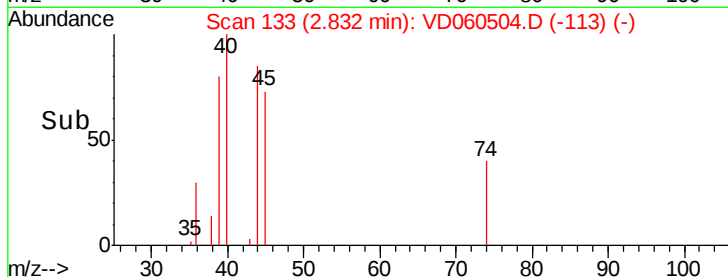
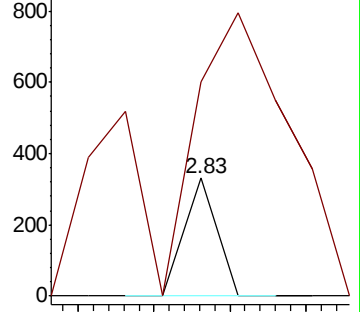
74 100

45 182.4 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#14

Allyl chloride

Concen: 1.396 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.01 min

Lab File: VD060504.D

Acq: 6 Dec 2018 14:39

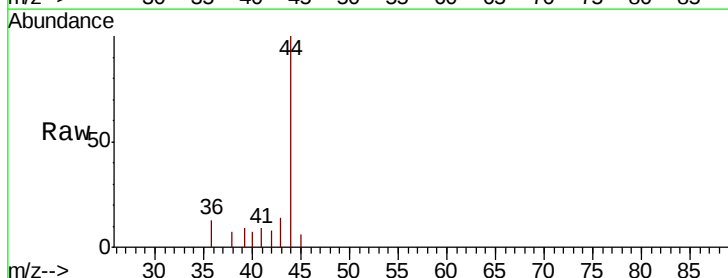
Tgt Ion: 41 Resp: 1258

Ion Ratio Lower Upper

41 100

39 99.6 59.3 88.9#

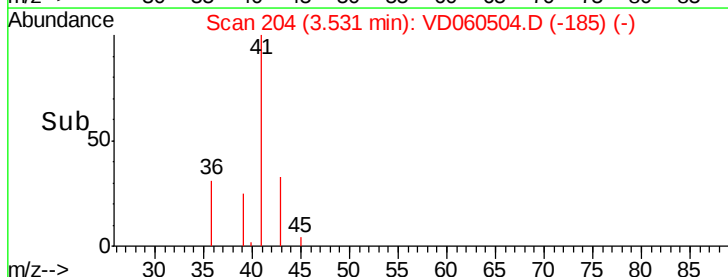
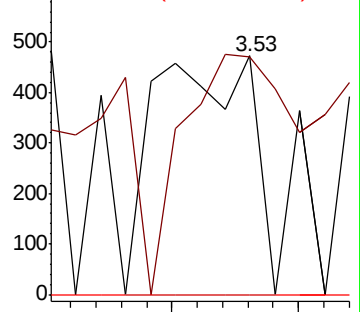
76 0.0 21.0 31.6#

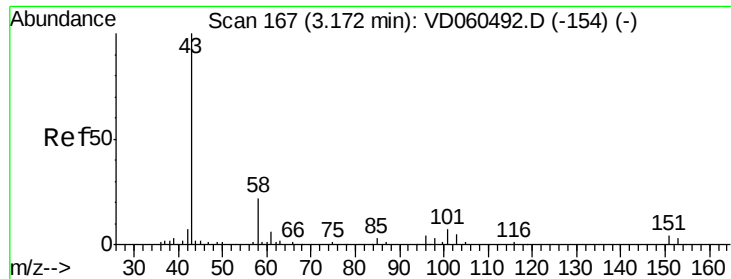


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#16

Acetone

Concen: 179.184 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD060504.D

Acq: 6 Dec 2018 14:39

Instrument :

MSVOA_D

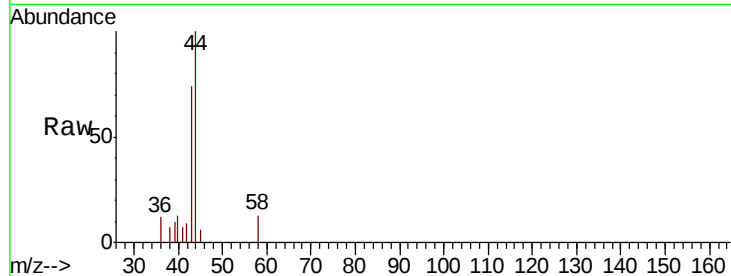
ClientSampled :

Tot Ion: 43 Resp: 19341

Ion Ratio Lower Upper

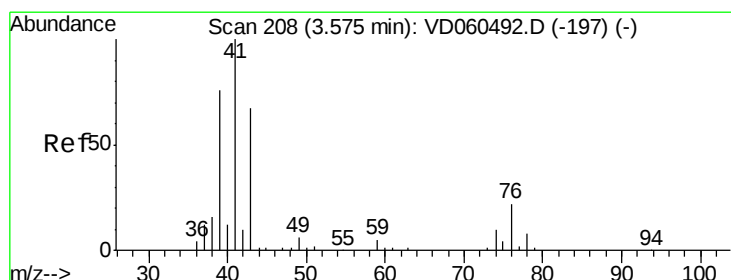
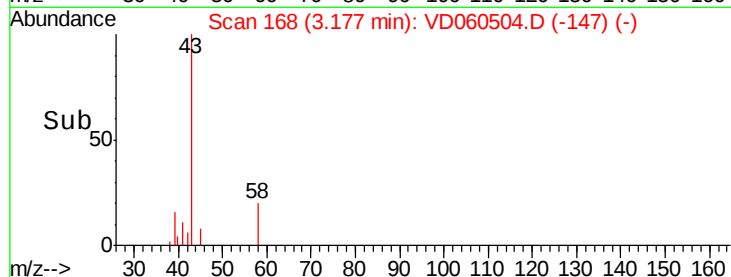
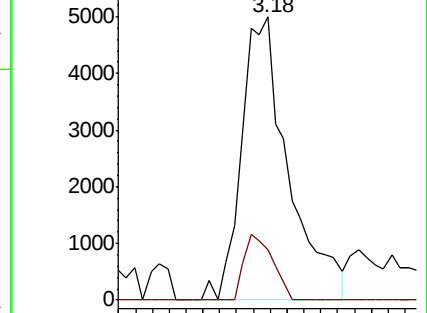
43 100

58 17.9 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 5.473 ug/l

RT: 3.58 min Scan# 209

Delta R.T. 0.00 min

Lab File: VD060504.D

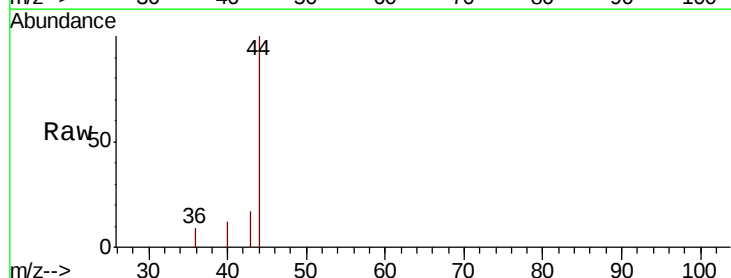
Acq: 6 Dec 2018 14:39

Tgt Ion: 43 Resp: 1404

Ion Ratio Lower Upper

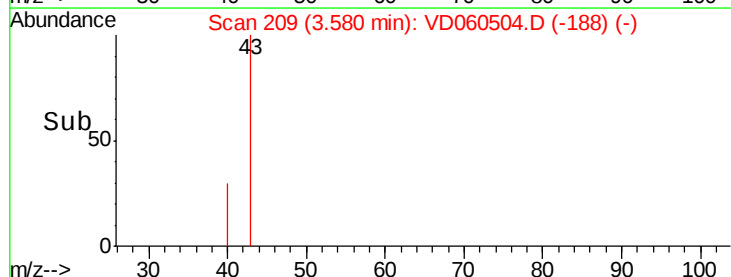
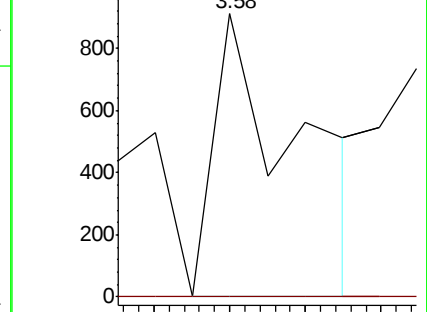
43 100

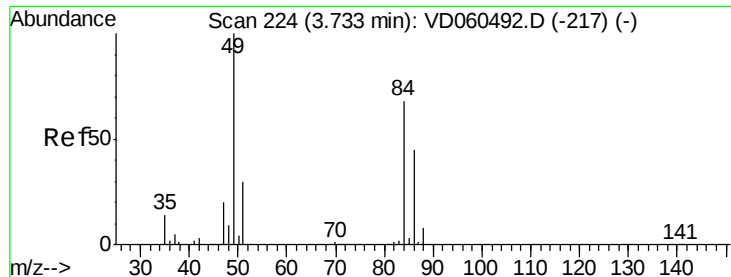
74 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

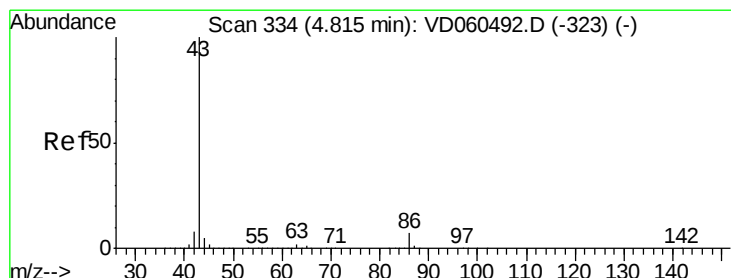
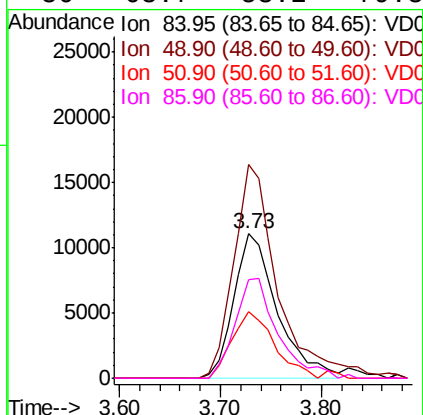
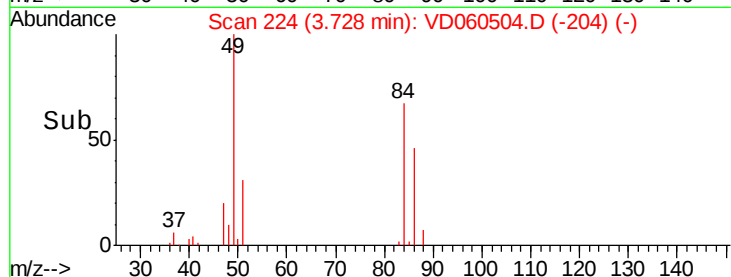
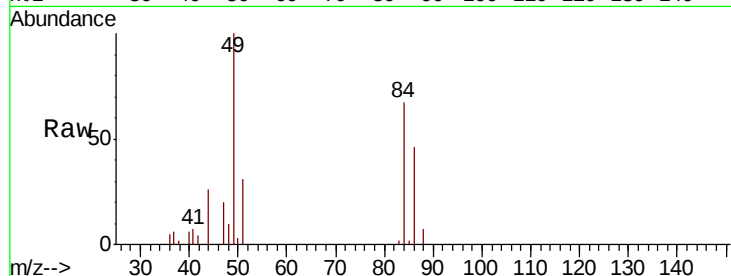




#20
Methvlene Chloride
Concen: 31.953 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060504.D
Acq: 6 Dec 2018 14:39

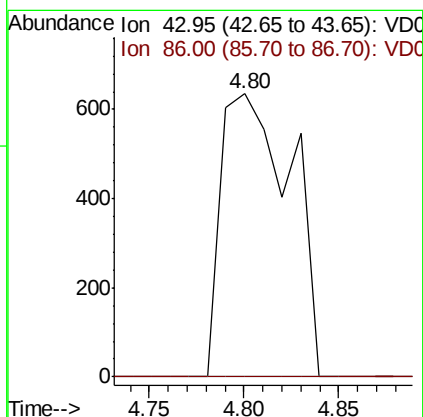
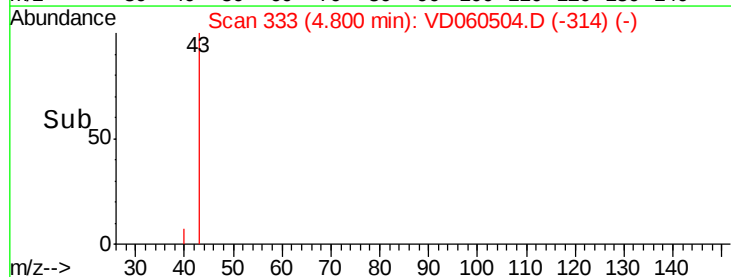
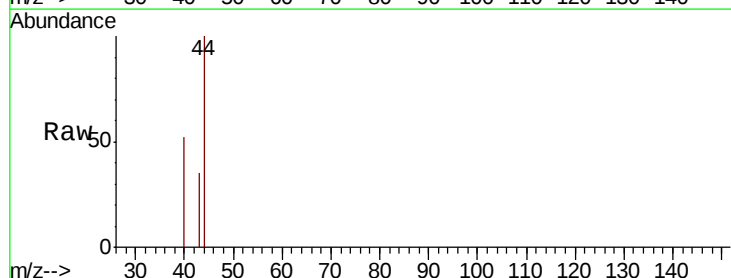
Instrument :
MSVOA_D
ClientSampled :

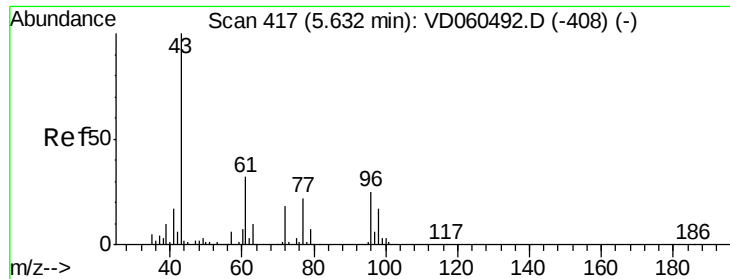
Tot Ion: 84 Resp: 33268
Ion Ratio Lower Upper
84 100
49 148.2 117.2 175.8
51 46.4 35.3 52.9
86 68.7 53.2 79.8



#23
Vinyl Acetate
Concen: 1.011 ug/l
RT: 4.80 min Scan# 333
Delta R.T. -0.01 min
Lab File: VD060504.D
Acq: 6 Dec 2018 14:39

Tgt Ion: 43 Resp: 1621
Ion Ratio Lower Upper
43 100
86 0.0 5.5 8.3#





#25

2-Butanone

Concen: 1.135 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.00 min

Lab File: VD060504.D

Acq: 6 Dec 2018 14:39

Instrument :

MSVOA_D

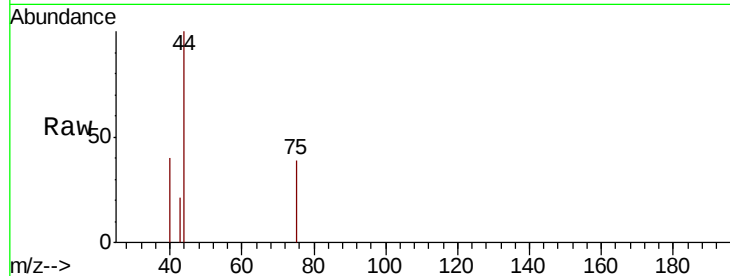
ClientSampleId :

Tot Ion: 43 Resp: 241

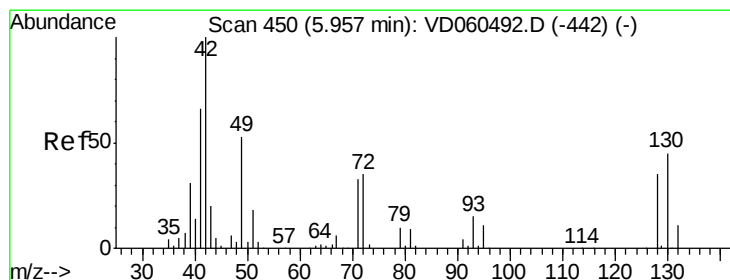
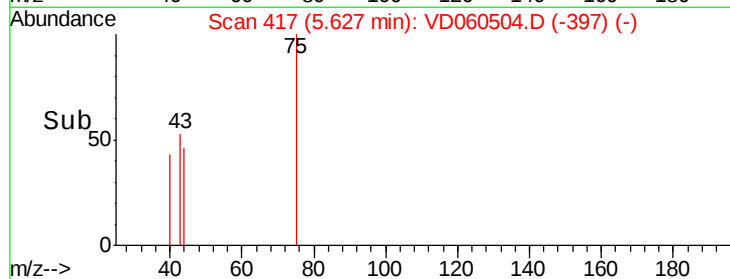
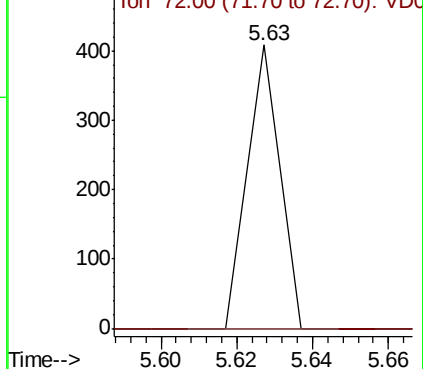
Ion Ratio Lower Upper

43 100

72 0.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC



#29

Tetrahydrofuran

Concen: 9.064 ug/l

RT: 5.98 min Scan# 453

Delta R.T. 0.02 min

Lab File: VD060504.D

Acq: 6 Dec 2018 14:39

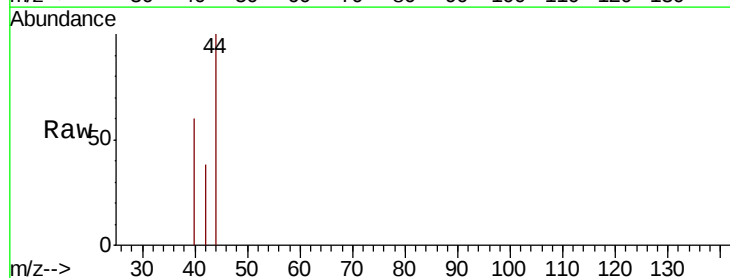
Tgt Ion: 42 Resp: 1090

Ion Ratio Lower Upper

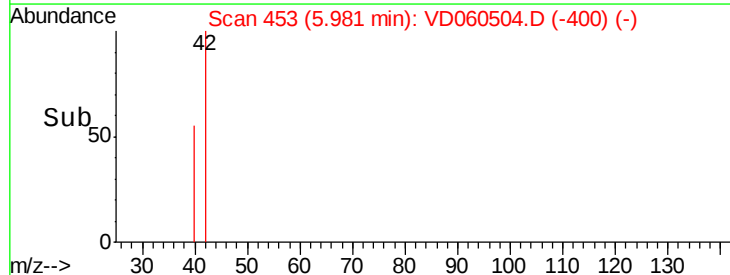
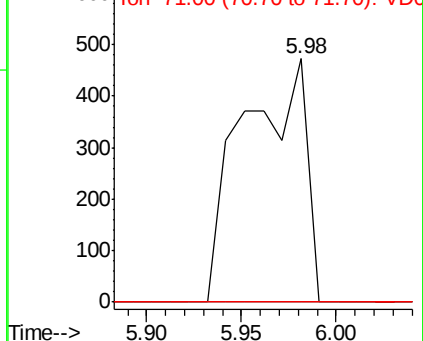
42 100

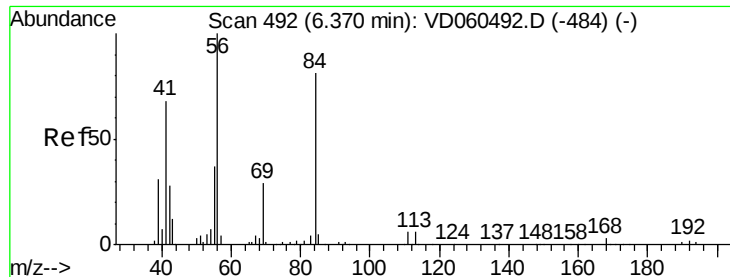
72 0.0 28.0 42.0#

71 0.0 27.2 40.8#



Abundance Ion 42.00 (41.70 to 42.70): VDC

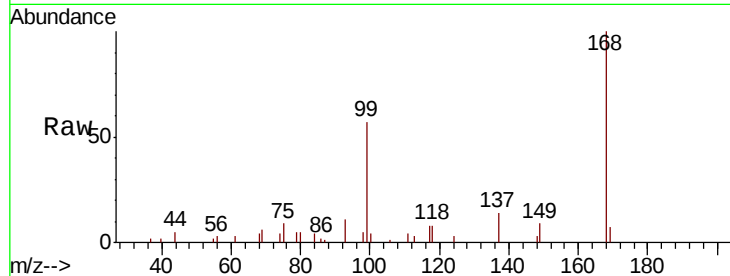




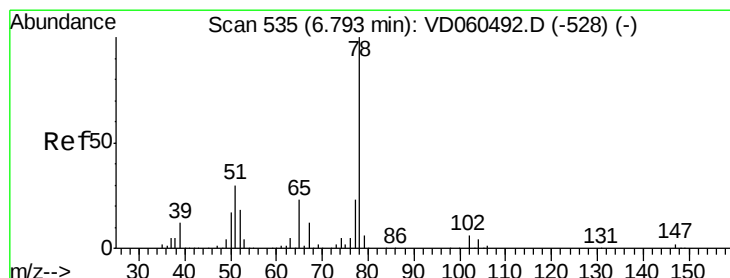
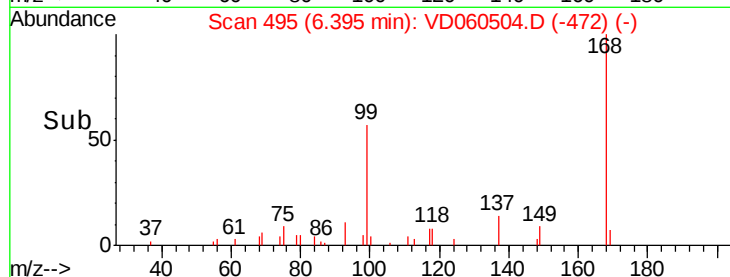
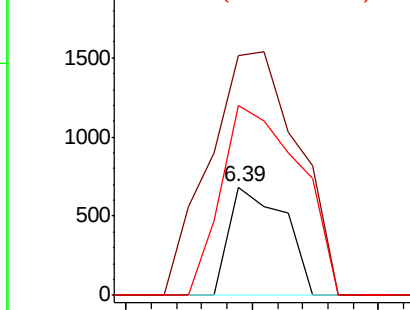
#31
Cyclohexane
Concen: Below Cal
RT: 6.39 min Scan# 495
Delta R.T. 0.02 min
Lab File: VD060504.D
Acq: 6 Dec 2018 14:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 1043
Ion Ratio Lower Upper
56 100
69 221.3 22.8 34.2#
84 175.3 65.1 97.7#

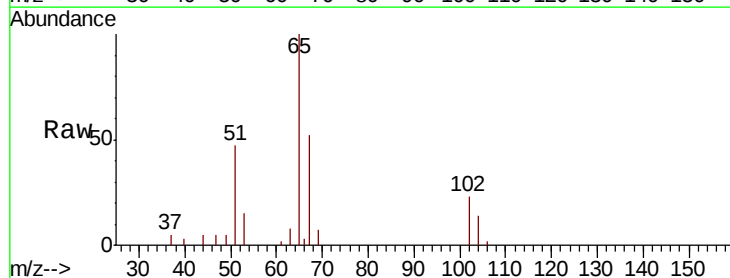


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

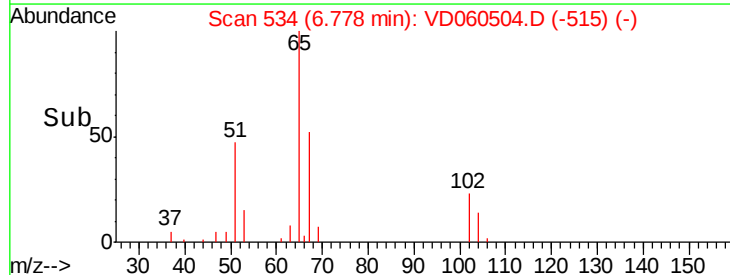
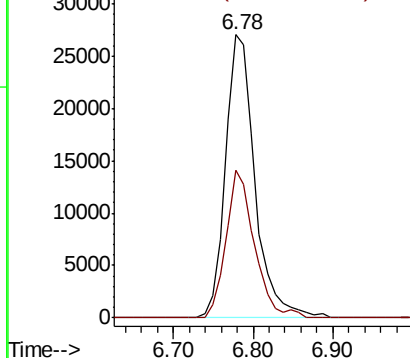


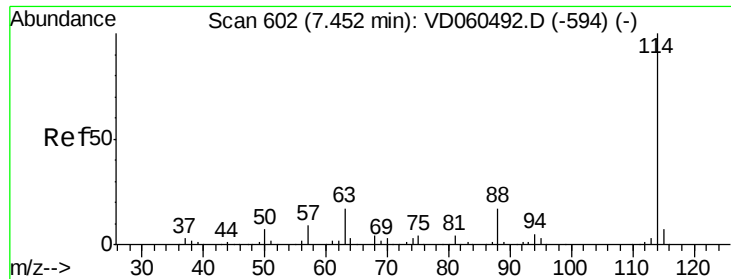
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.01 min
Lab File: VD060504.D
Acq: 6 Dec 2018 14:39

Tgt Ion: 65 Resp: 69928
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.8



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

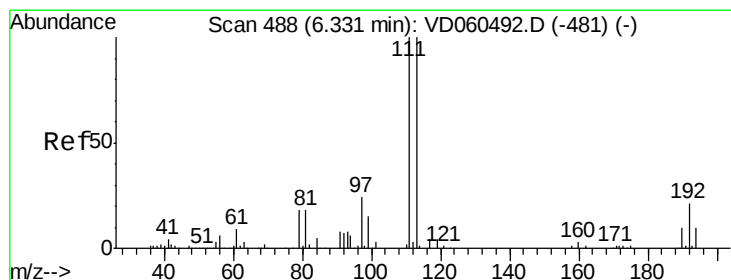
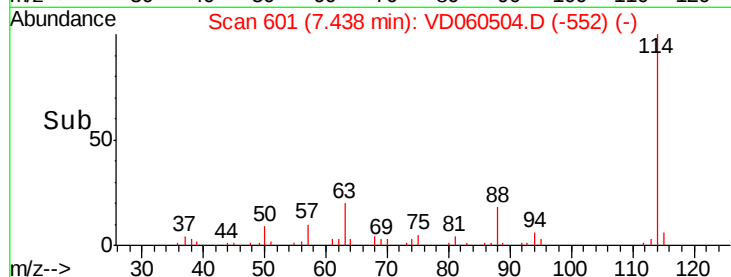
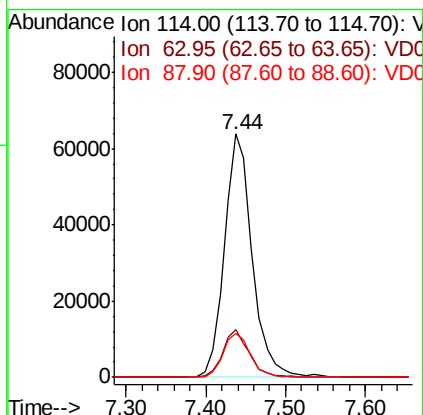
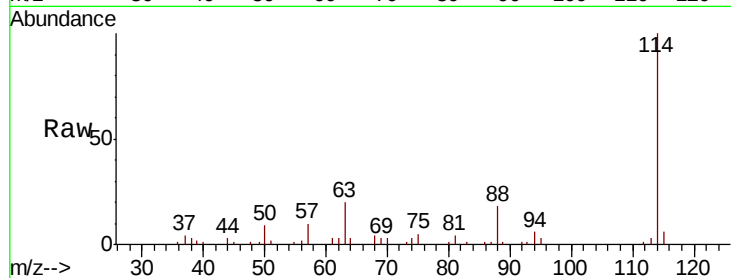




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VD060504.D
 Acq: 6 Dec 2018 14:39

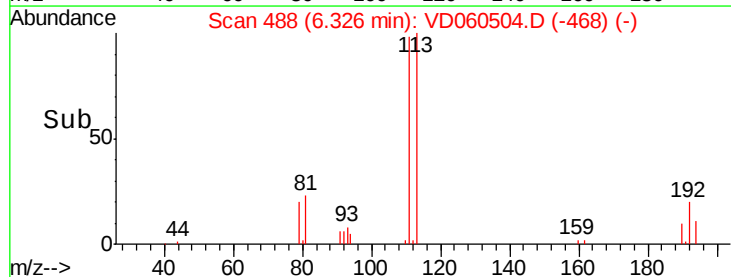
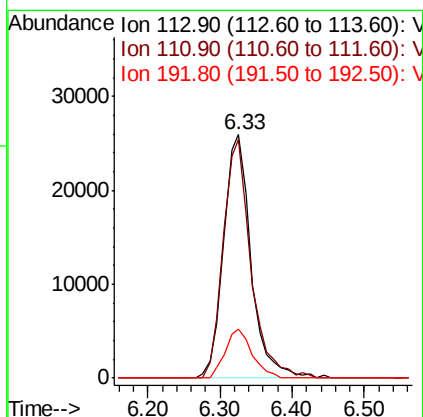
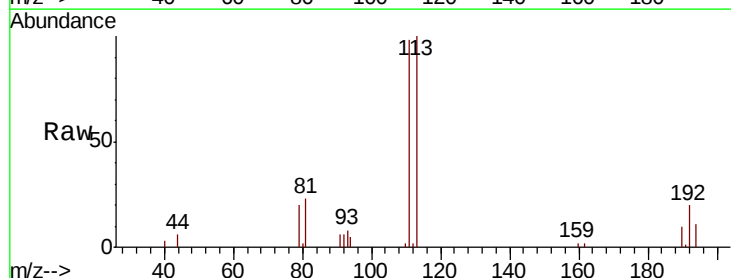
Instrument :
 MSVOA_D
 ClientSampleId :

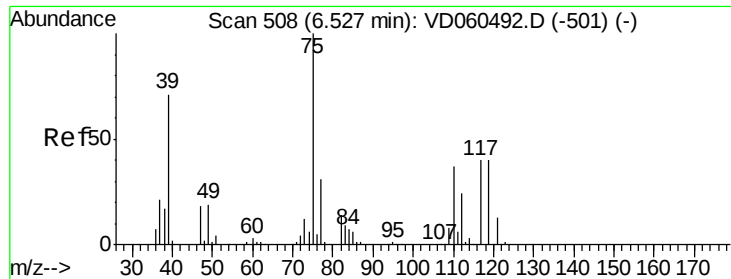
Tot Ion:114 Resp: 155786
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 34.2
 88 18.1 0.0 35.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.00 min
 Lab File: VD060504.D
 Acq: 6 Dec 2018 14:39

Tgt Ion:113 Resp: 68365
 Ion Ratio Lower Upper
 113 100
 111 98.0 80.2 120.4
 192 20.3 16.6 24.8





#36

1,1-Dichloropropene

Concen: 4.071 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.13 min

Lab File: VD060504.D

Acq: 6 Dec 2018 14:39

Instrument :

MSVOA_D

ClientSampleId :

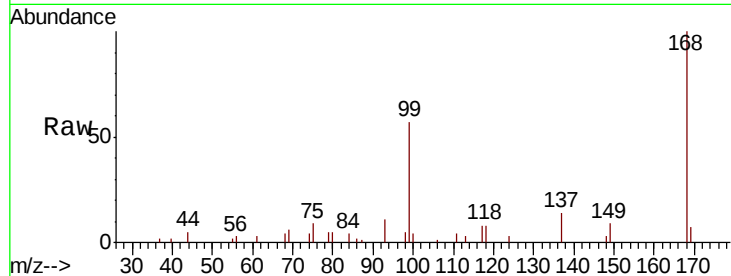
Tot Ion: 75 Resp: 6199

Ion Ratio Lower Upper

75 100

110 0.0 18.3 54.8#

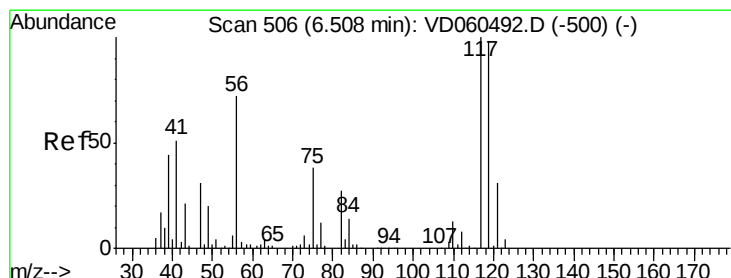
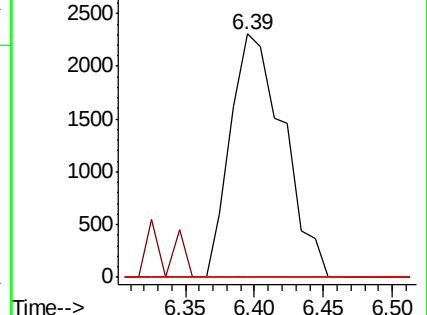
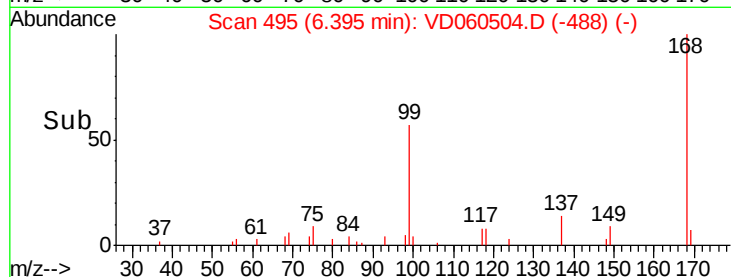
77 0.0 24.6 37.0#



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: 4.895 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.09 min

Lab File: VD060504.D

Acq: 6 Dec 2018 14:39

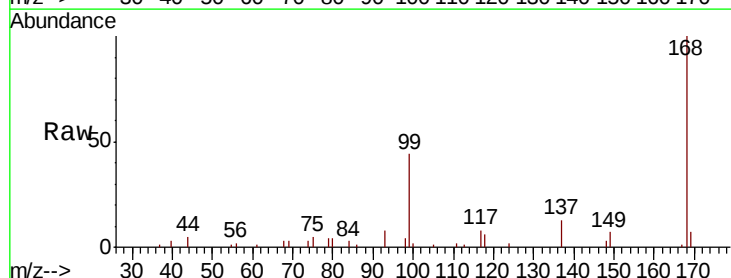
Tgt Ion: 117 Resp: 6692

Ion Ratio Lower Upper

117 100

119 0.0 76.8 115.2#

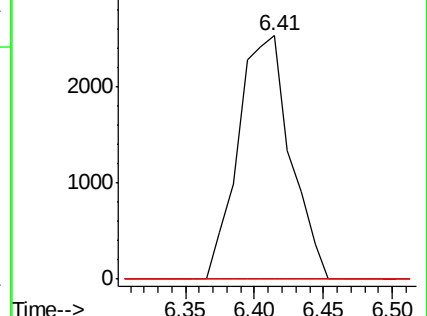
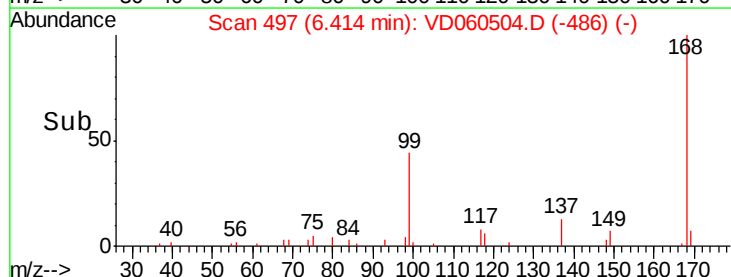
121 0.0 24.4 36.6#

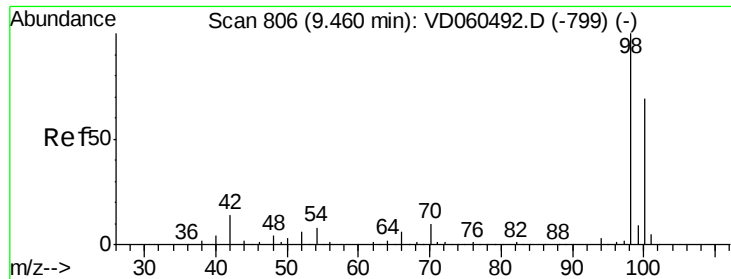


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

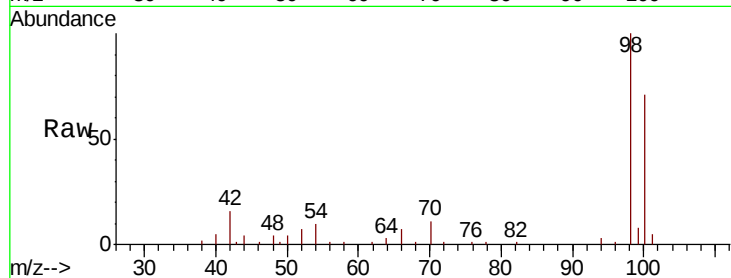




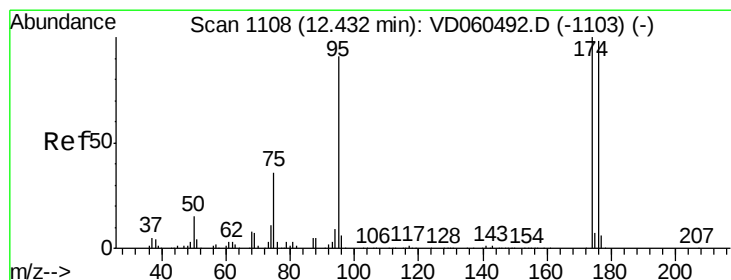
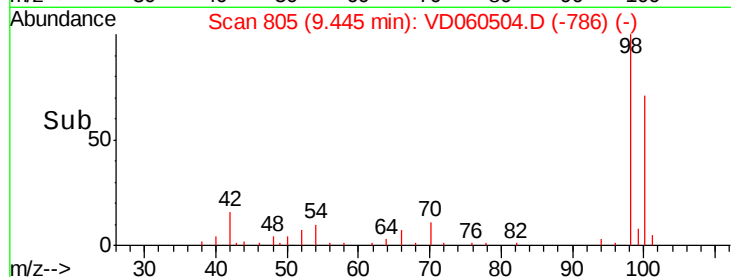
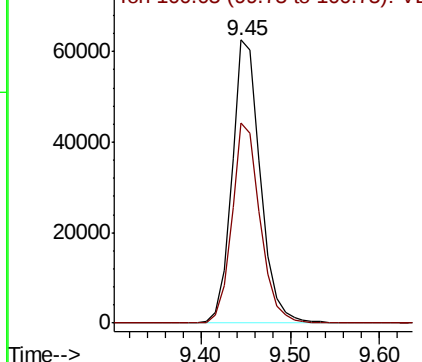
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. -0.01 min
Lab File: VD060504.D
Acq: 6 Dec 2018 14:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 138876
Ion Ratio Lower Upper
98 100
100 70.8 55.7 83.5

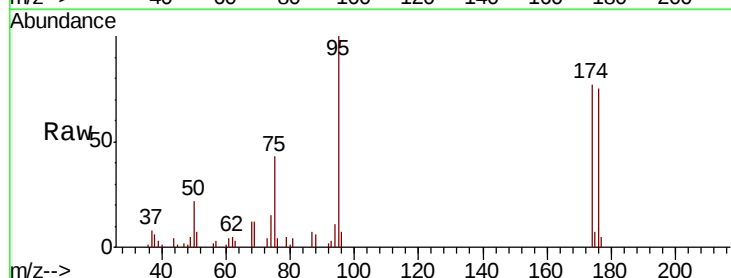


Abundance Ion 98.05 (97.75 to 98.75): VD060492.D (-799) (-)
Ion 100.05 (99.75 to 100.75): VD060492.D (-799) (-)

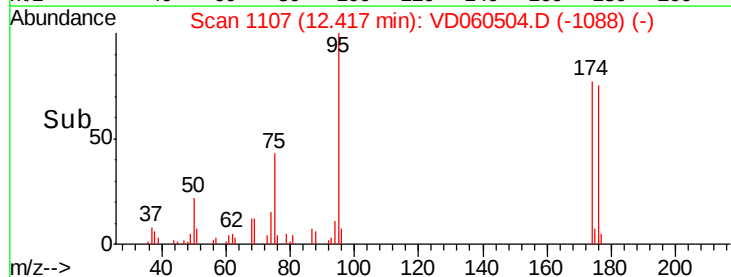
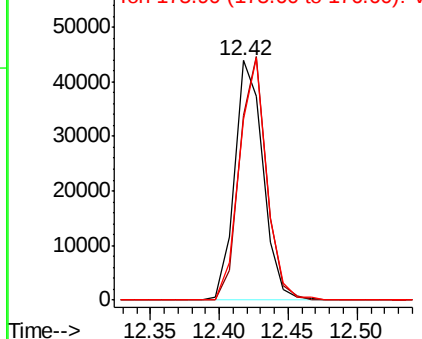


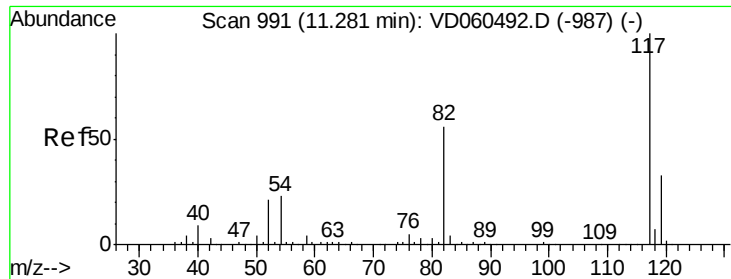
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VD060504.D
Acq: 6 Dec 2018 14:39

Tgt Ion: 95 Resp: 63366
Ion Ratio Lower Upper
95 100
174 77.3 0.0 219.4
176 75.4 0.0 214.6



Abundance Ion 95.00 (94.70 to 95.70): VD060492.D (-1103) (-)
Ion 173.90 (173.60 to 174.60): VD060492.D (-1103) (-)
Ion 175.90 (175.60 to 176.60): VD060492.D (-1103) (-)

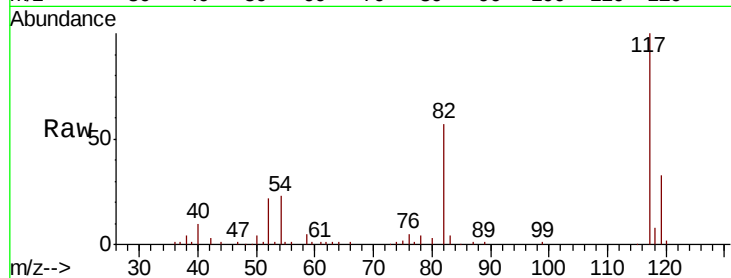




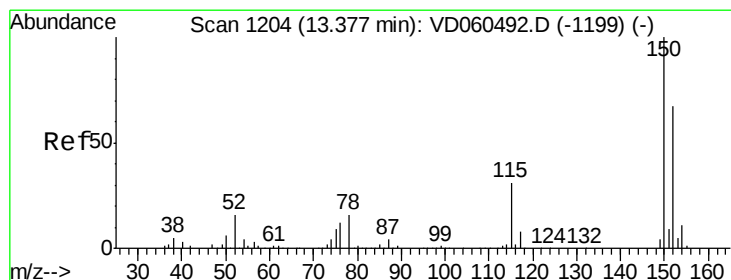
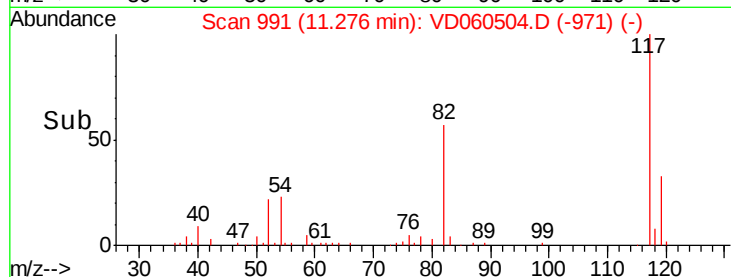
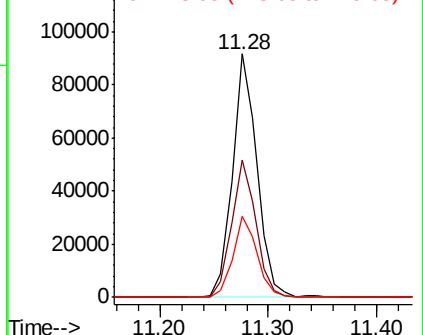
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD060504.D
Acq: 6 Dec 2018 14:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 144097
Ion Ratio Lower Upper
117 100
82 56.5 45.2 67.8
119 33.4 26.1 39.1

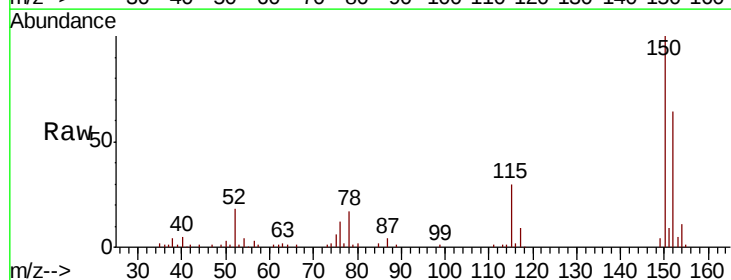


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

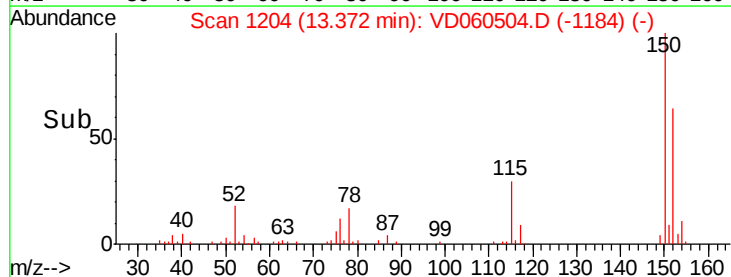
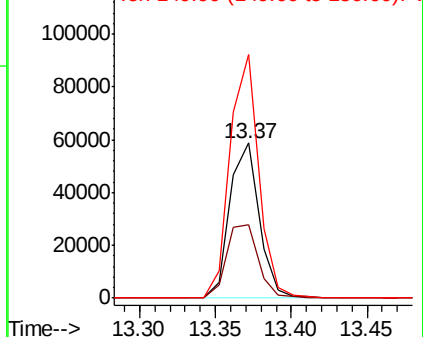


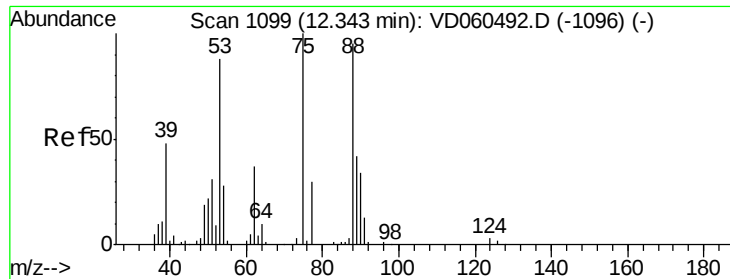
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.00 min
Lab File: VD060504.D
Acq: 6 Dec 2018 14:39

Tgt Ion:152 Resp: 79052
Ion Ratio Lower Upper
152 100
115 47.5 24.6 74.0
150 157.0 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: 108.331 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060504.D

Acq: 6 Dec 2018 14:39

Instrument :

MSVOA_D

ClientSampled :

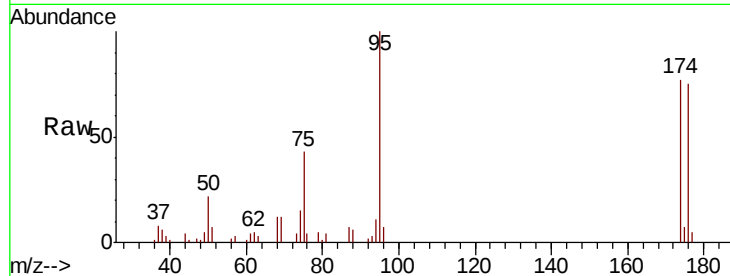
Tot Ion: 75 Resp: 27063

Ion Ratio Lower Upper

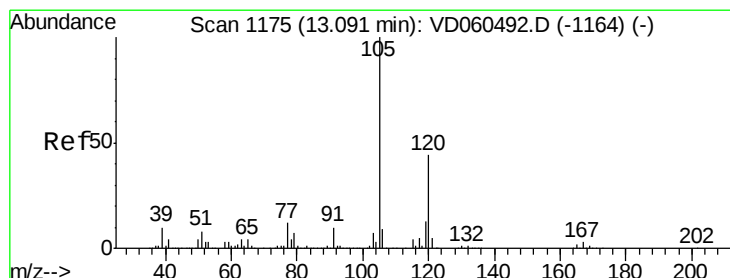
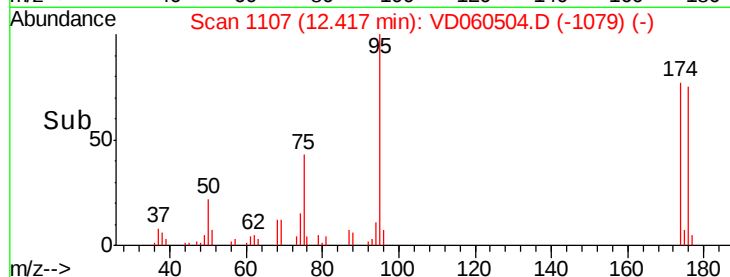
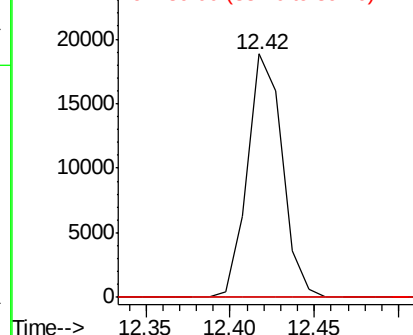
75 100

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



#84

1,2,4-Trimethylbenzene

Concen: 1.268 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VD060504.D

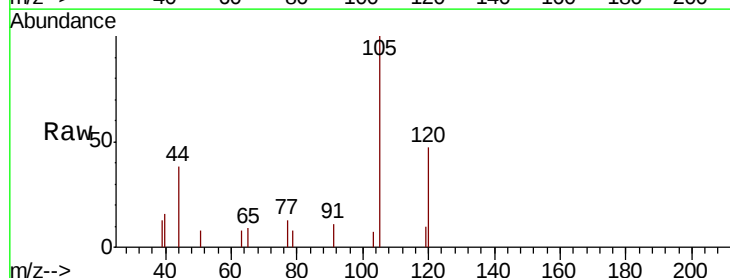
Acq: 6 Dec 2018 14:39

Tgt Ion:105 Resp: 5613

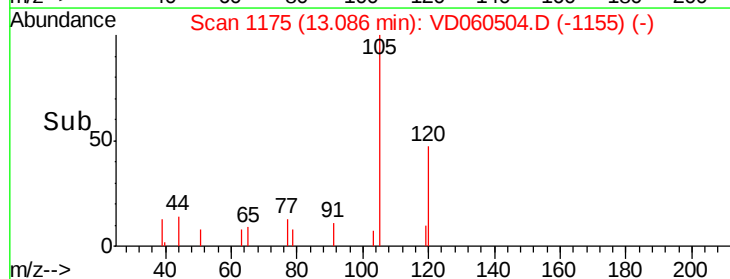
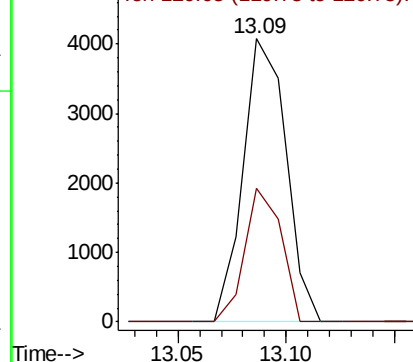
Ion Ratio Lower Upper

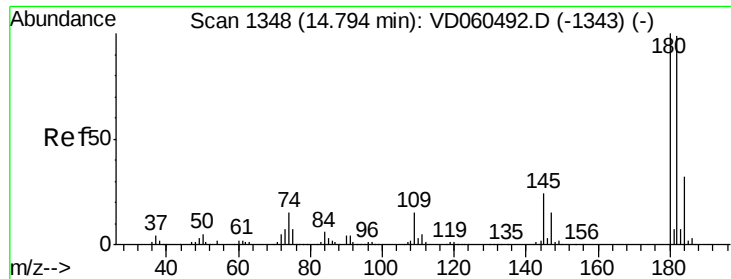
105 100

120 47.4 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

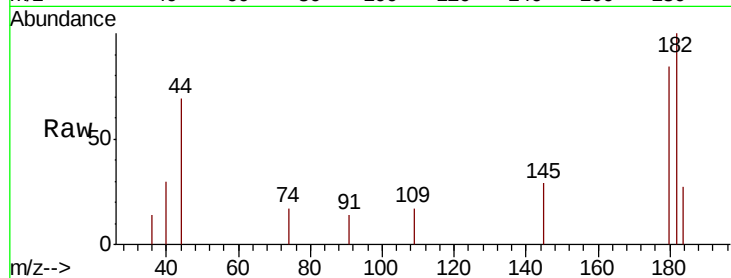




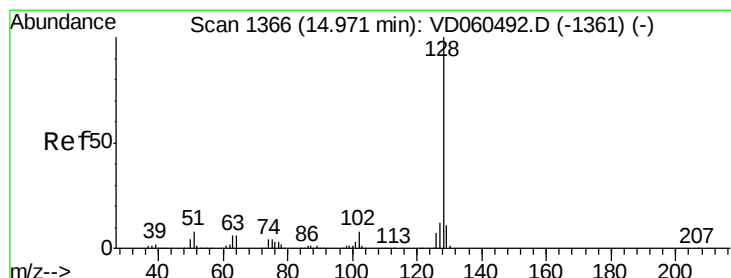
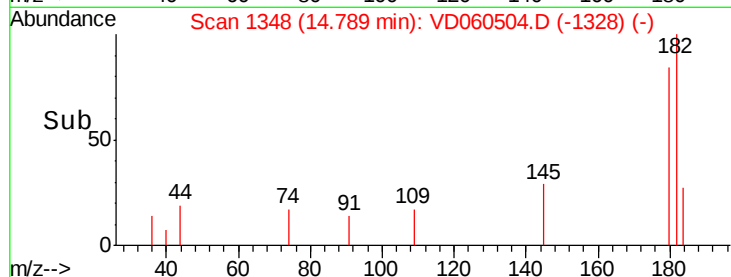
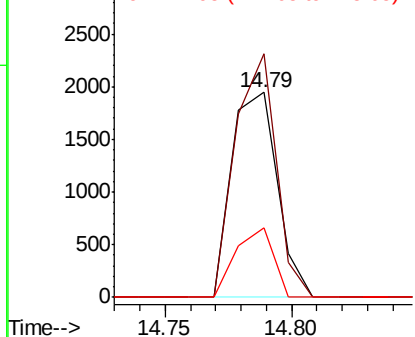
#93
 1,2,4-Trichlorobenzene
 Concen: 1.440 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VD060504.D
 Acq: 6 Dec 2018 14:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 2450
 Ion Ratio Lower Upper
 180 100
 182 118.7 49.4 148.0
 145 34.2 11.9 35.9

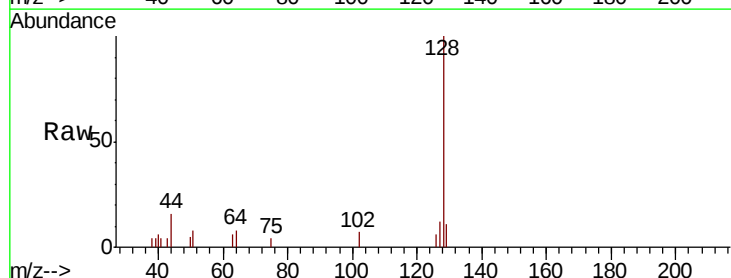


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

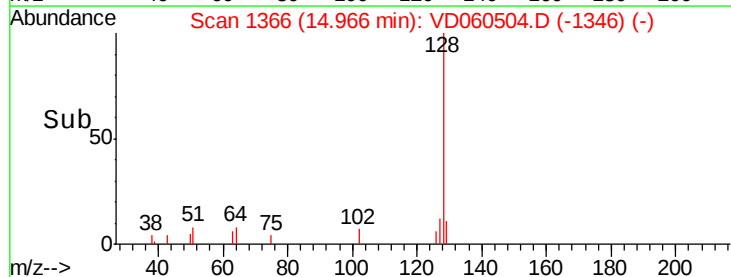
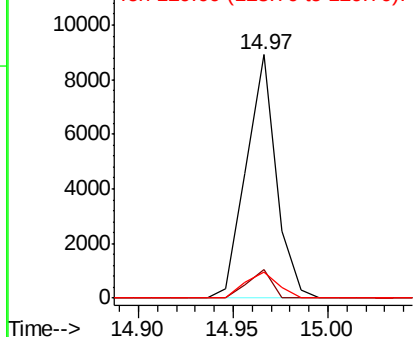


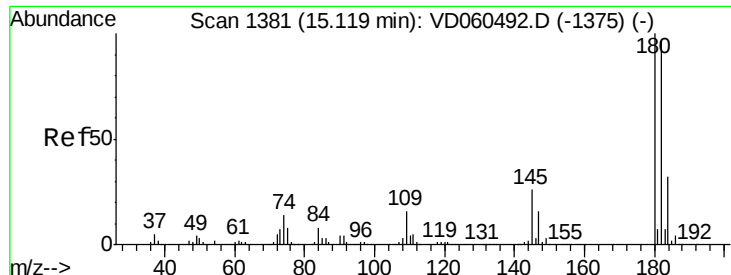
#95
 Naphthalene
 Concen: 4.847 ug/l
 RT: 14.97 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: VD060504.D
 Acq: 6 Dec 2018 14:39

Tgt Ion:128 Resp: 9808
 Ion Ratio Lower Upper
 128 100
 127 11.6 9.8 14.8
 129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

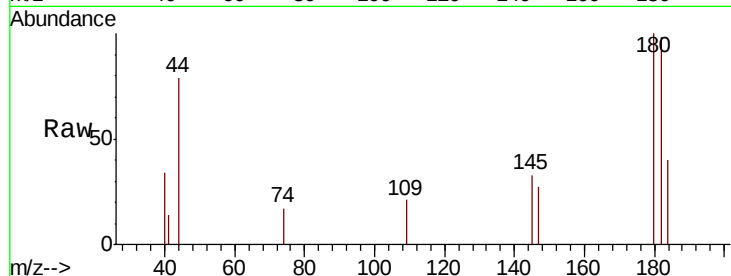




#96
 1,2,3-Trichlorobenzene
 Concen: 1.930 ug/l
 RT: 15.11 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VD060504.D
 Acq: 6 Dec 2018 14:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.5	145.5
145	33.2	12.9	38.7



Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

