

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121918\
 Data File : VD060640.D
 Acq On : 19 Dec 2018 15:07
 Operator : VA/AP
 Sample : J6194-07
 Misc : 19.46G/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 00:30:47 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

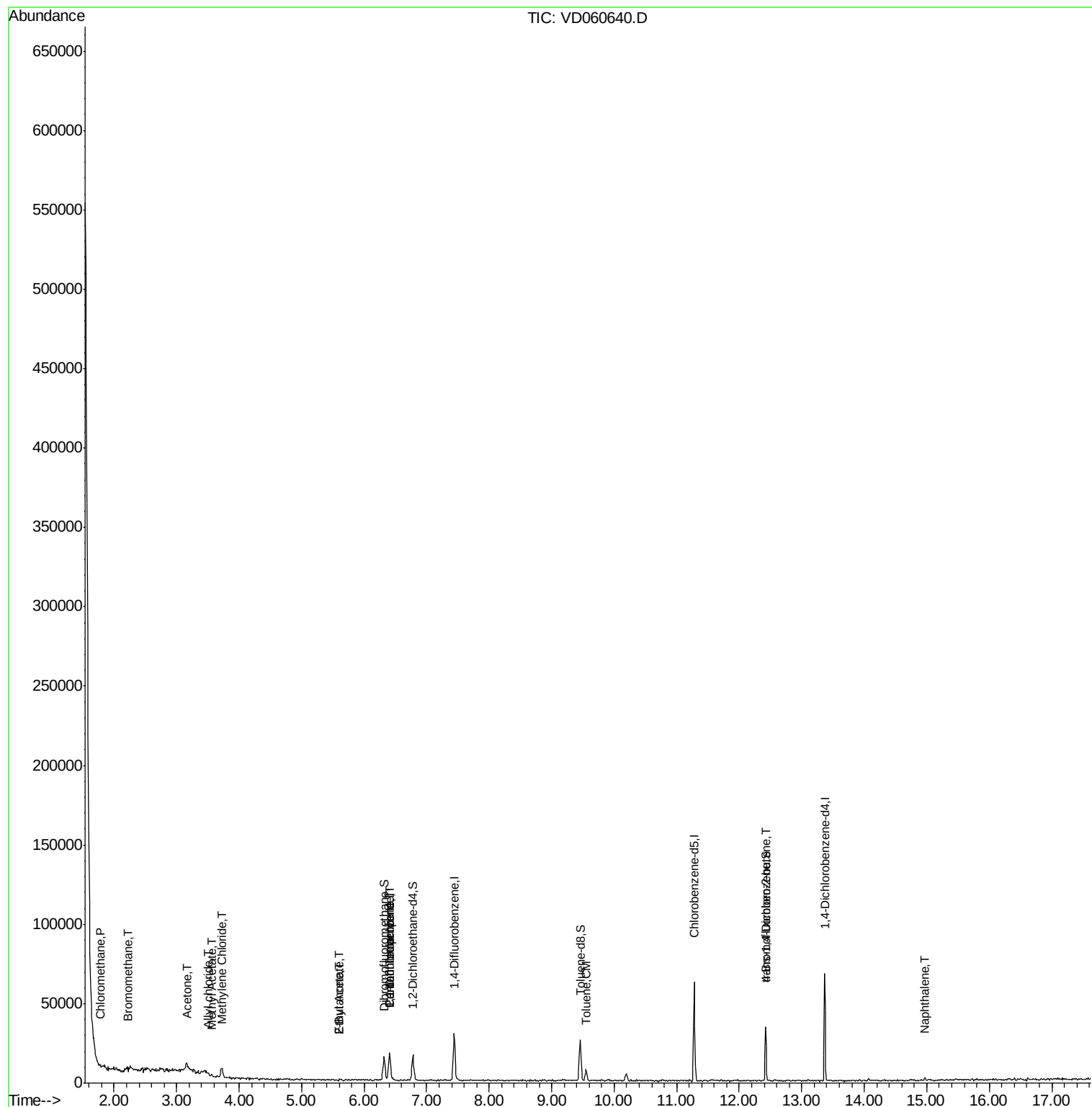
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	20028	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	33376	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	32088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	14725	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.78	65	13680	96.37	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	192.74%	
35) Dibromofluoromethane	6.32	113	11827	48.24	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	96.48%	
50) Toluene-d8	9.45	98	23212	32.72	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	65.44%	
62) 4-Bromofluorobenzene	12.42	95	10495	41.34	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	82.68%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.78	50	822	3.995	ug/l #	43
5) Bromomethane	2.21	94	1106	26.919	ug/l #	4
14) Allyl chloride	3.50	41	628	3.306	ug/l #	22
16) Acetone	3.16	43	10007	439.779	ug/l #	89
18) Methyl Acetate	3.55	43	395	7.304	ug/l #	64
20) Methylene Chloride	3.72	84	3655	14.300	ug/l #	81
25) 2-Butanone	5.61	43	1000	22.338	ug/l #	59
36) 1,1-Dichloropropene	6.41	75	1412	4.328	ug/l #	41
37) Ethyl Acetate	5.61	43	1000	7.068	ug/l #	68
38) Carbon Tetrachloride	6.40	117	1212	4.138	ug/l #	12
52) Toluene	9.55	92	3998	7.672	ug/l	86
81) trans-1,4-Dichloro-2-buten	12.42	75	4354	93.567	ug/l #	14
95) Naphthalene	14.96	128	1324	3.513	ug/l #	70

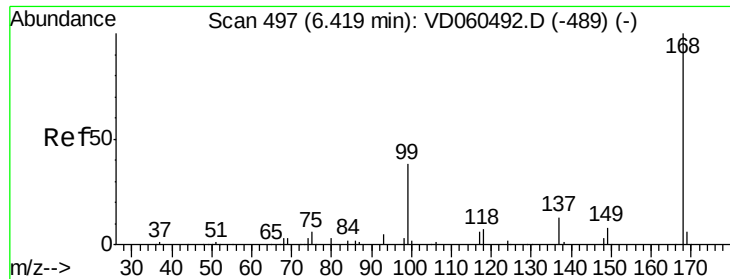
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060640.D

Acq: 19 Dec 2018 15:07

Instrument :

MSVOA_D

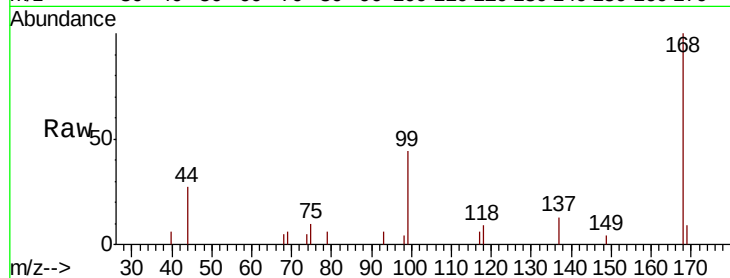
ClientSampleId :

Tot Ion:168 Resp: 20028

Ion Ratio Lower Upper

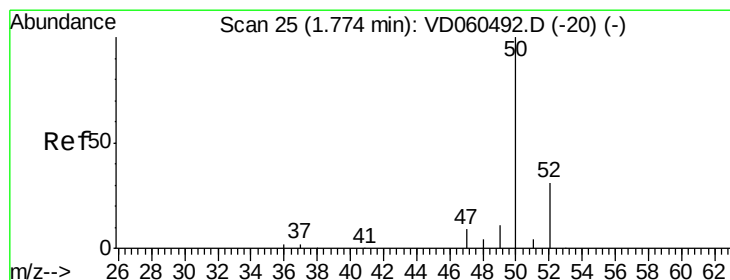
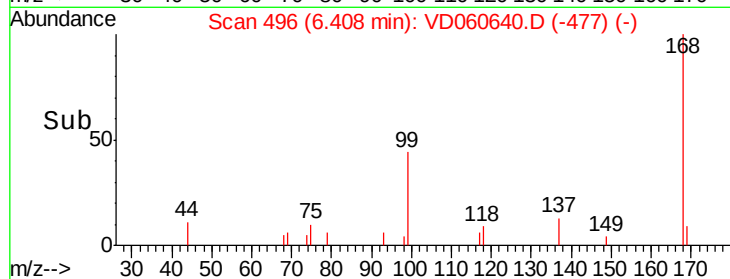
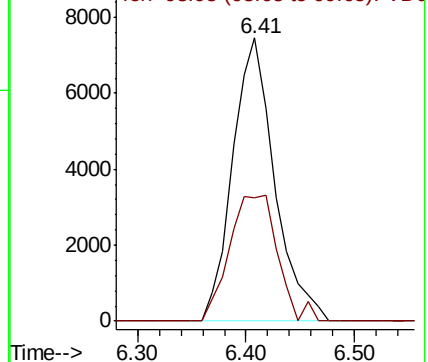
168 100

99 43.7 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 3.995 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.01 min

Lab File: VD060640.D

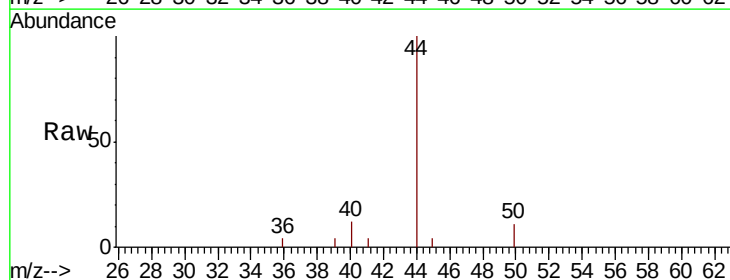
Acq: 19 Dec 2018 15:07

Tgt Ion: 50 Resp: 822

Ion Ratio Lower Upper

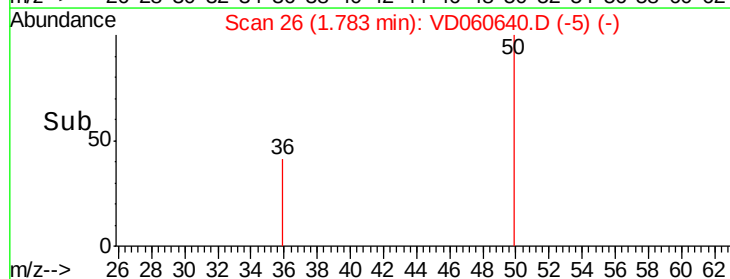
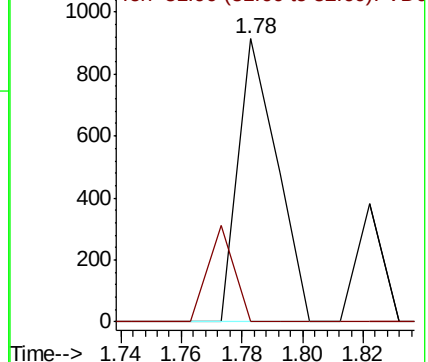
50 100

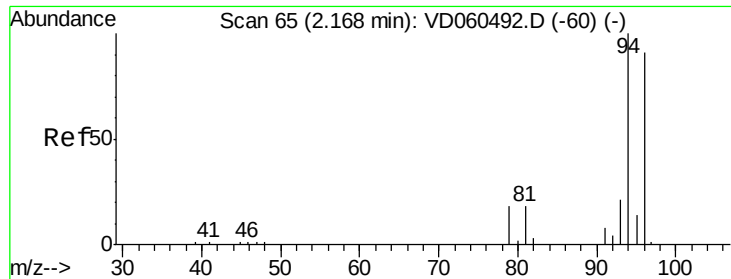
52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 26.919 ug/l

RT: 2.21 min Scan# 69

Delta R.T. 0.04 min

Lab File: VD060640.D

Acq: 19 Dec 2018 15:07

Instrument :

MSVOA_D

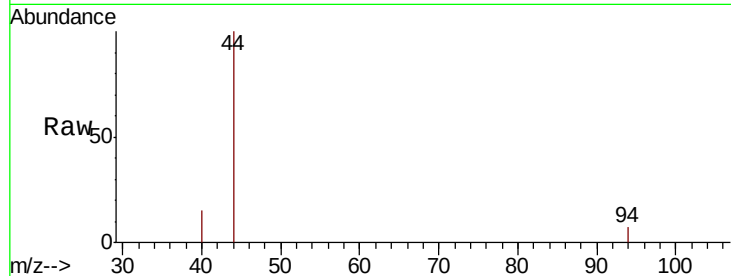
ClientSampleId :

Tot Ion: 94 Resp: 1106

Ion Ratio Lower Upper

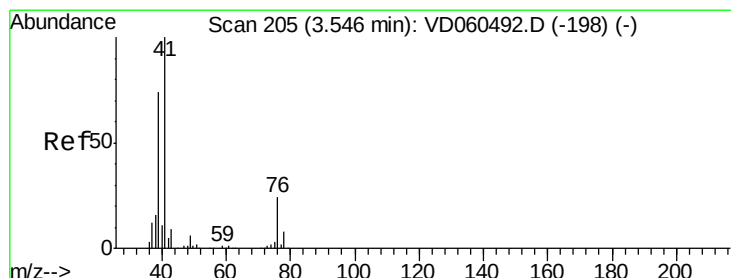
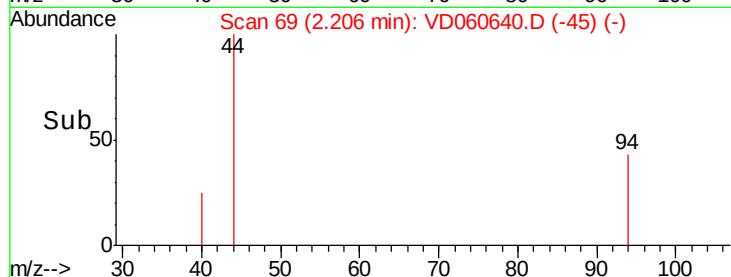
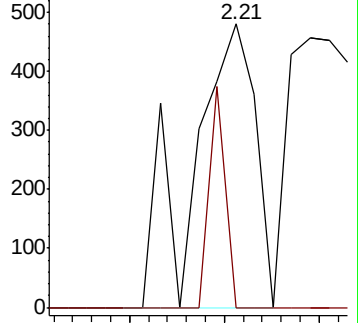
94 100

96 0.0 72.6 108.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#14

Allyl chloride

Concen: 3.306 ug/l

RT: 3.50 min Scan# 200

Delta R.T. -0.05 min

Lab File: VD060640.D

Acq: 19 Dec 2018 15:07

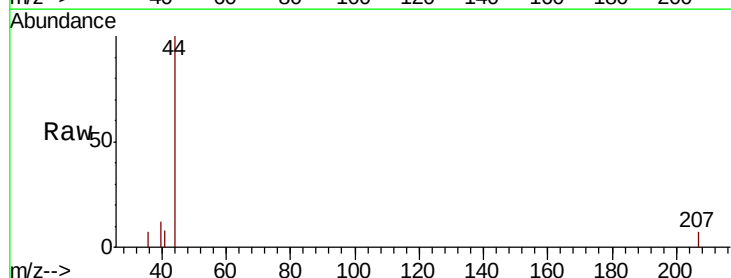
Tgt Ion: 41 Resp: 628

Ion Ratio Lower Upper

41 100

39 0.0 59.3 88.9#

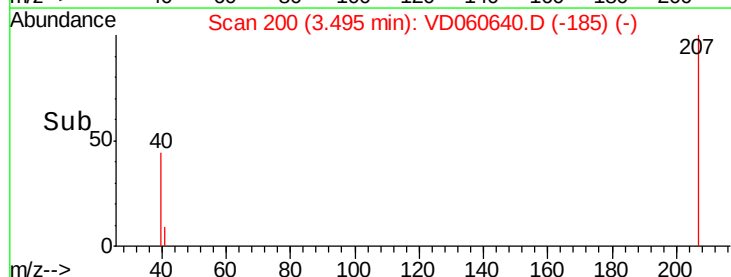
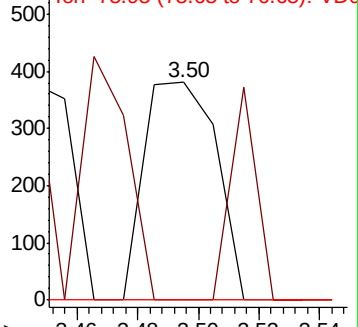
76 0.0 21.0 31.6#

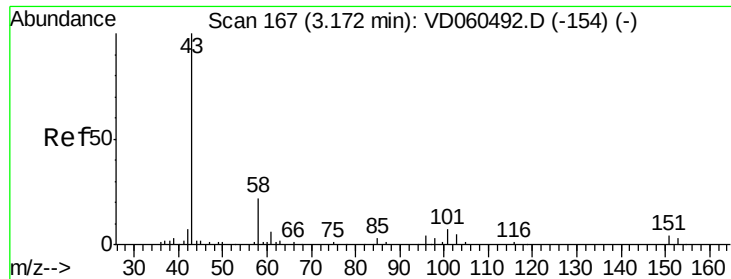


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#16

Acetone

Concen: 439.779 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060640.D

Acq: 19 Dec 2018 15:07

Instrument :

MSVOA_D

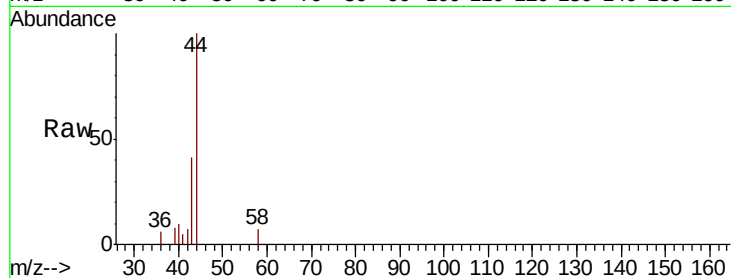
ClientSampleId :

Tot Ion: 43 Resp: 10007

Ion Ratio Lower Upper

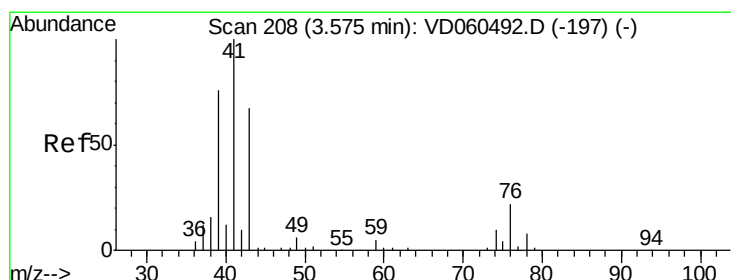
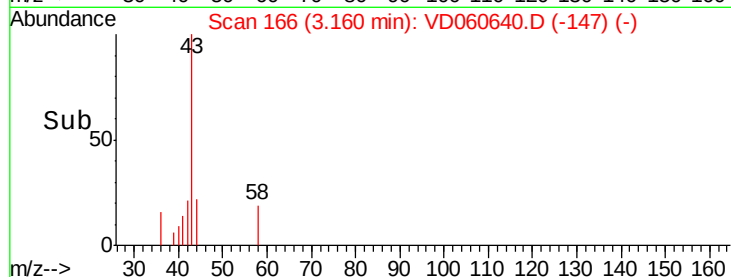
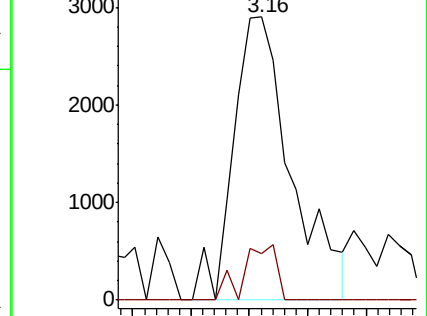
43 100

58 16.5 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: 7.304 ug/l

RT: 3.55 min Scan# 206

Delta R.T. -0.02 min

Lab File: VD060640.D

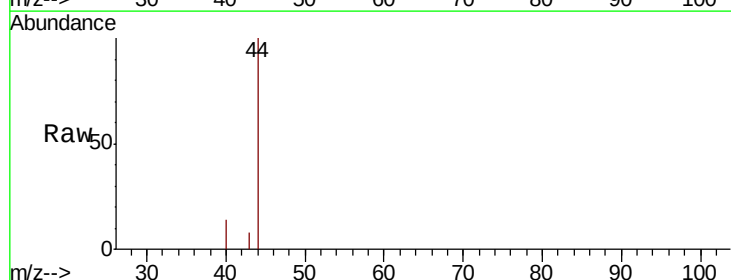
Acq: 19 Dec 2018 15:07

Tgt Ion: 43 Resp: 395

Ion Ratio Lower Upper

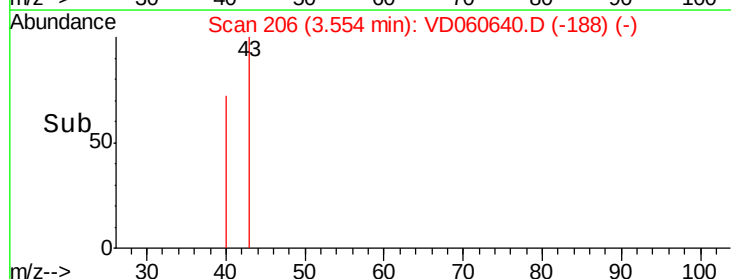
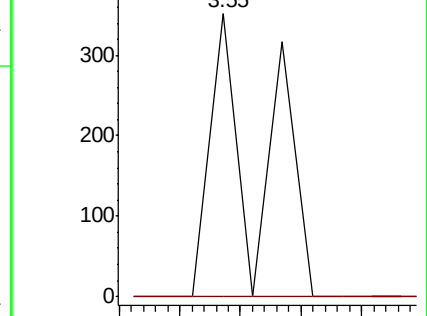
43 100

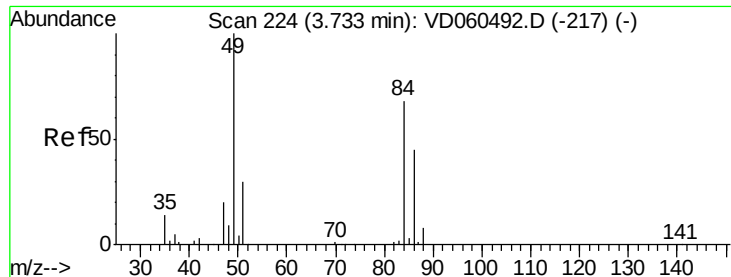
74 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

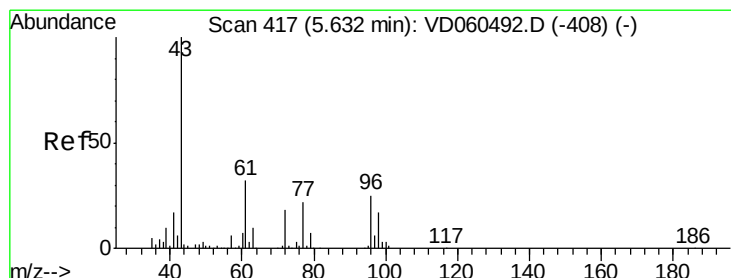
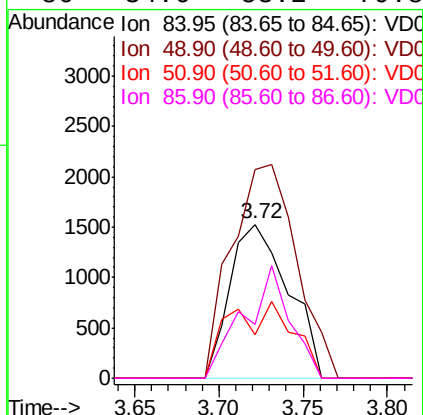
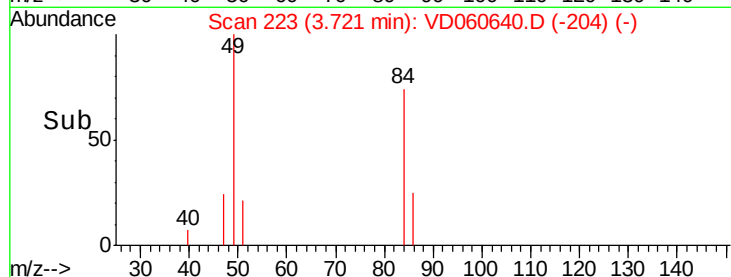
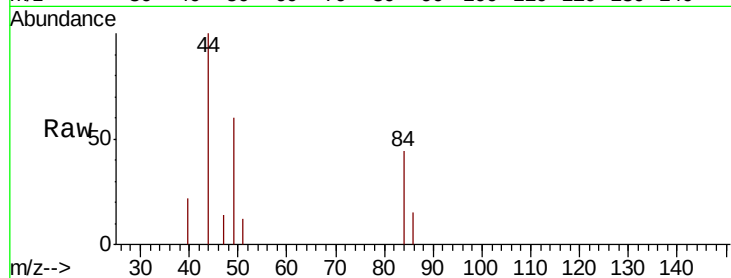




#20
Methylene Chloride
Concen: 14.300 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060640.D
Acq: 19 Dec 2018 15:07

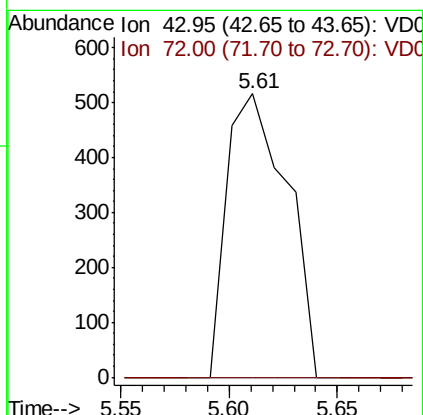
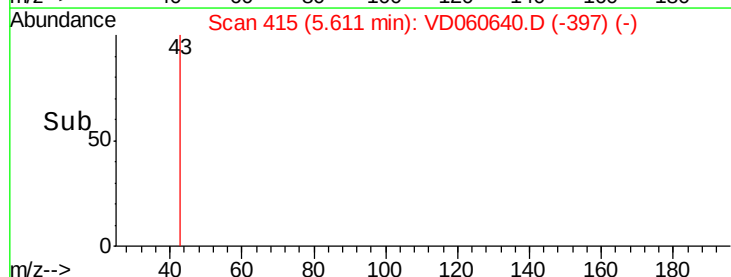
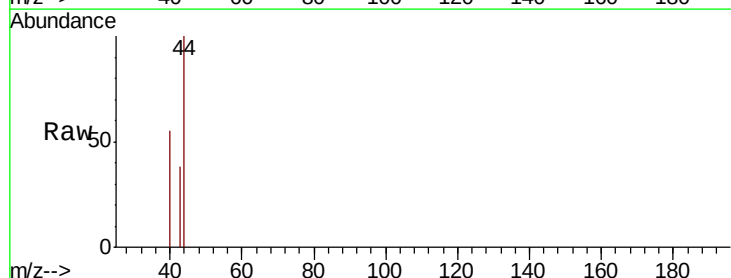
Instrument :
MSVOA_D
ClientSampled :

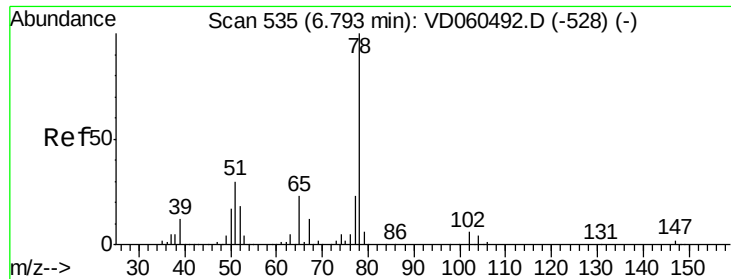
Tot Ion: 84 Resp: 3655
Ion Ratio Lower Upper
84 100
49 136.0 117.2 175.8
51 28.0 35.3 52.9#
86 34.6 53.2 79.8#



#25
2-Butanone
Concen: 22.338 ug/l
RT: 5.61 min Scan# 415
Delta R.T. -0.02 min
Lab File: VD060640.D
Acq: 19 Dec 2018 15:07

Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
72 0.0 14.6 21.8#

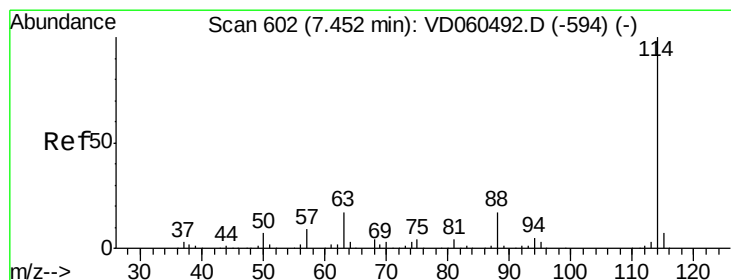
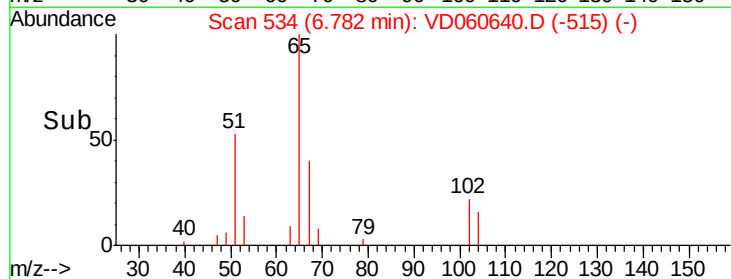
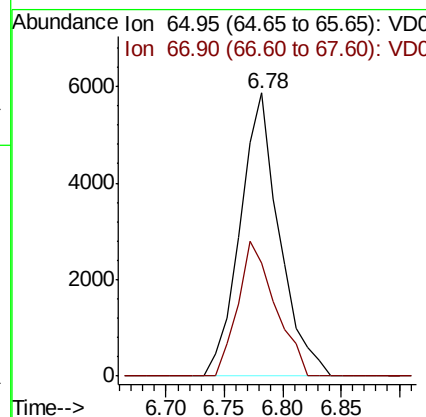
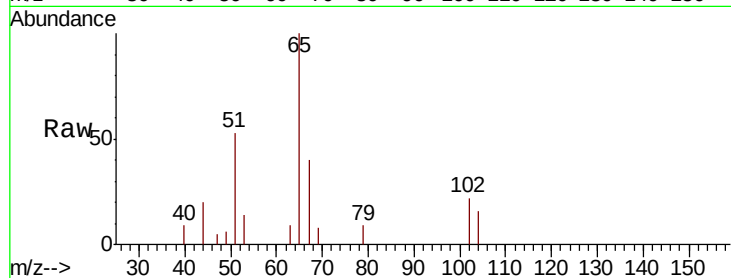




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VD060640.D
 Acq: 19 Dec 2018 15:07

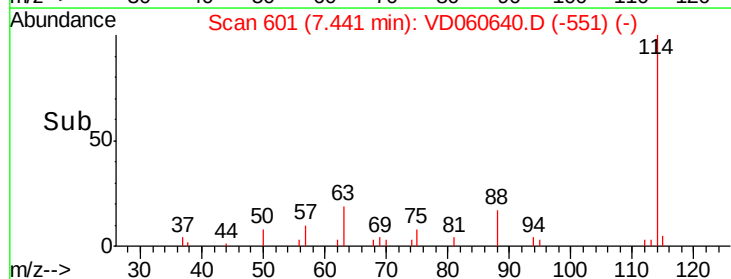
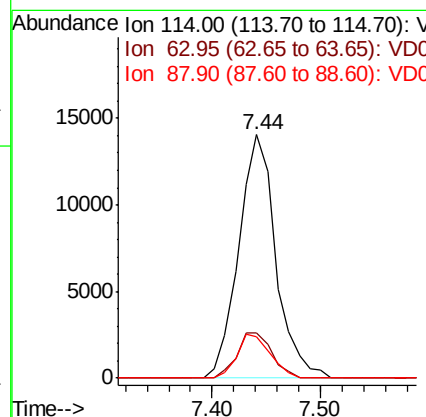
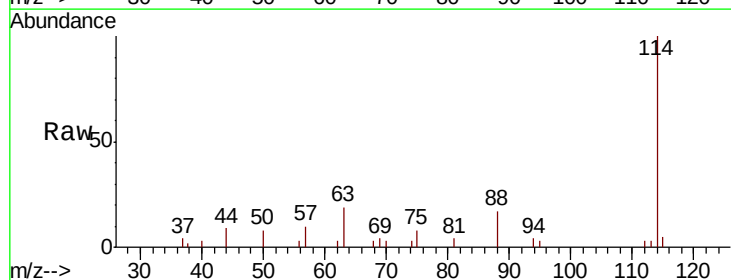
Instrument :
 MSVOA_D
 ClientSampleId :

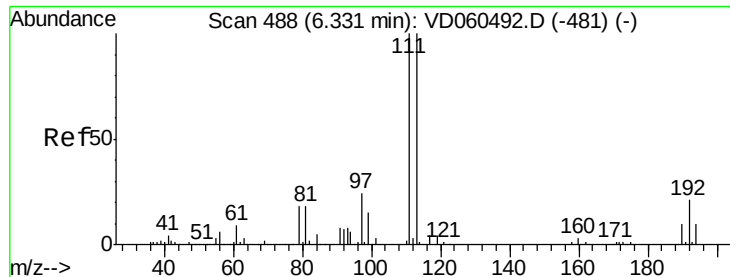
Tot Ion: 65 Resp: 13680
 Ion Ratio Lower Upper
 65 100
 67 39.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VD060640.D
 Acq: 19 Dec 2018 15:07

Tgt Ion:114 Resp: 33376
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 34.2
 88 17.2 0.0 35.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 487

Delta R.T. -0.01 min

Lab File: VD060640.D

Acq: 19 Dec 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

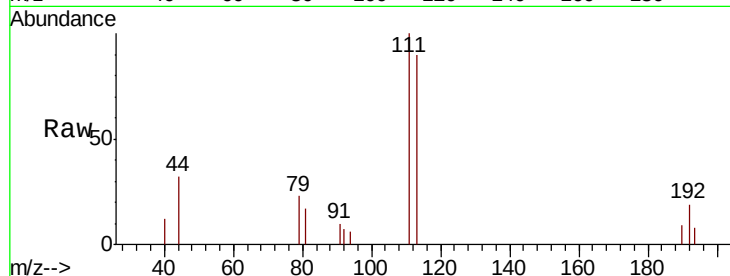
Tot Ion:113 Resp: 11827

Ion Ratio Lower Upper

113 100

111 111.7 80.2 120.4

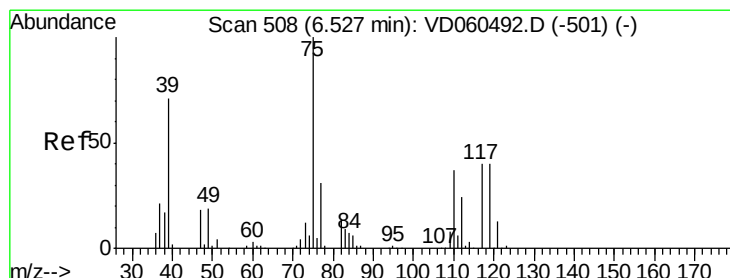
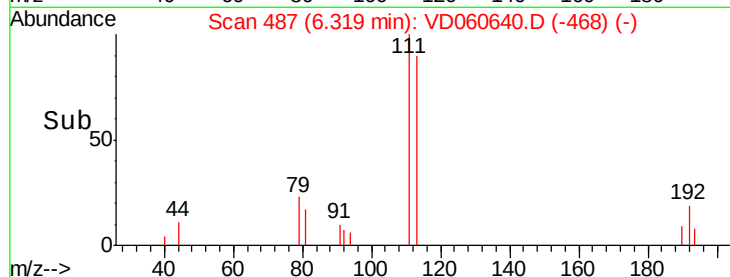
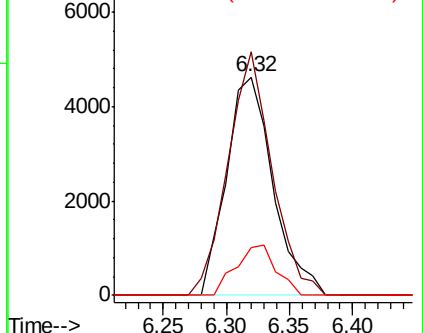
192 21.7 16.6 24.8



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: 4.328 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.12 min

Lab File: VD060640.D

Acq: 19 Dec 2018 15:07

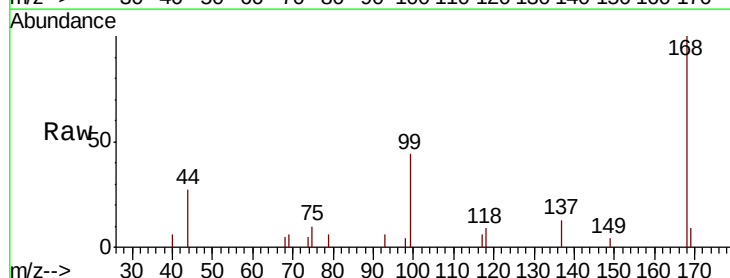
Tgt Ion: 75 Resp: 1412

Ion Ratio Lower Upper

75 100

110 0.0 18.3 54.8#

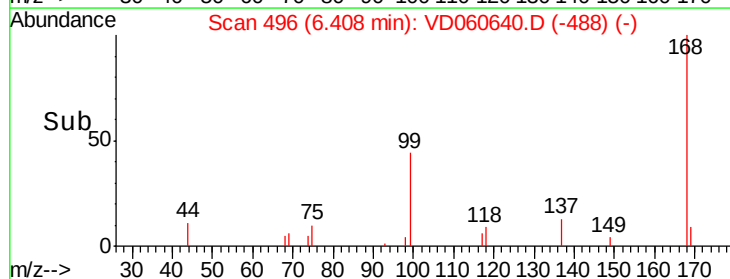
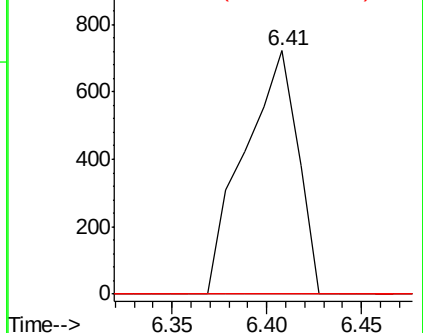
77 0.0 24.6 37.0#

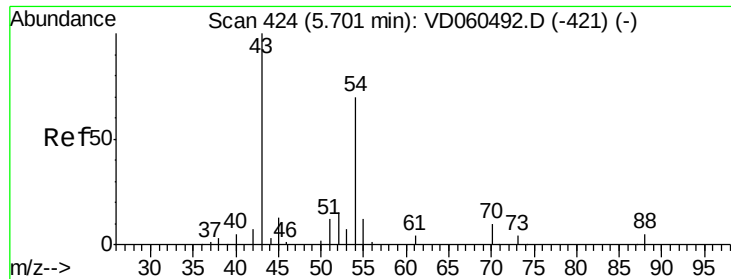


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

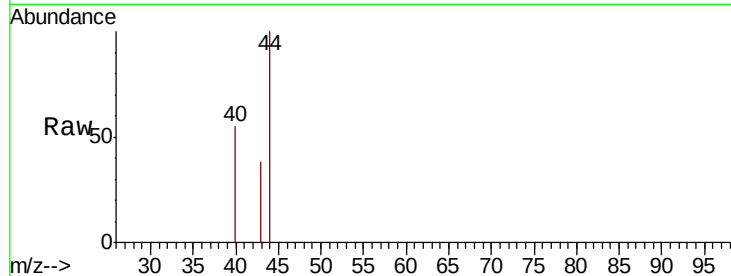




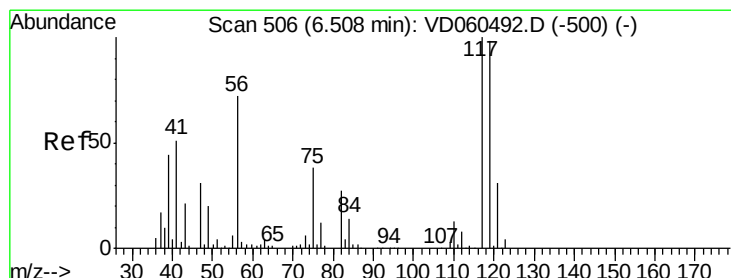
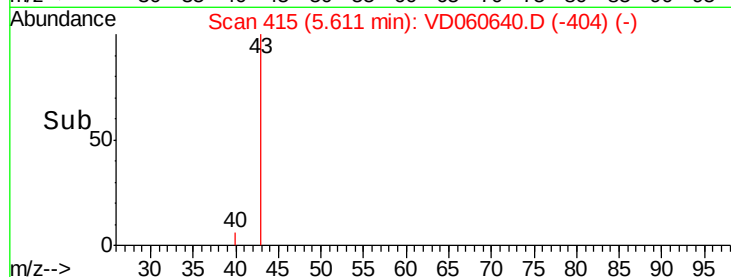
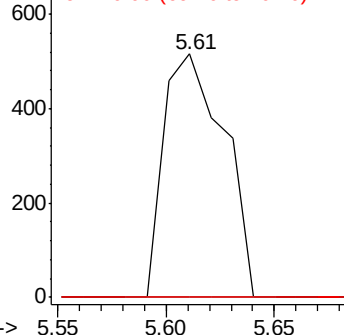
#37
Ethyl Acetate
Concen: 7.068 ug/l
RT: 5.61 min Scan# 415
Delta R.T. -0.09 min
Lab File: VD060640.D
Acq: 19 Dec 2018 15:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.0 5.4 8.0#

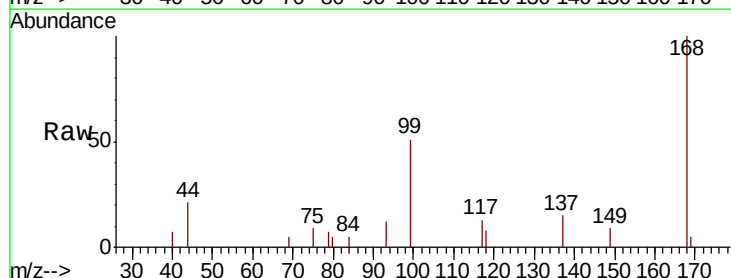


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

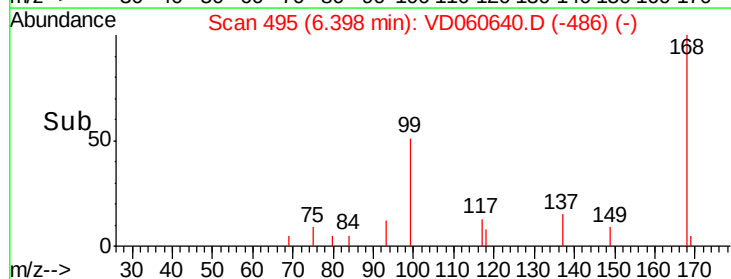
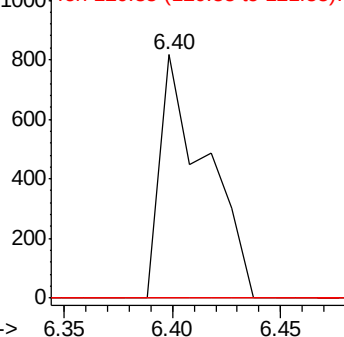


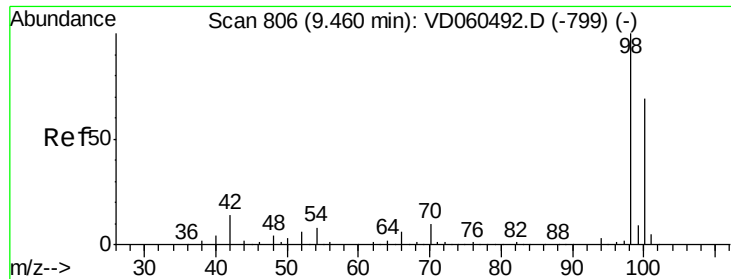
#38
Carbon Tetrachloride
Concen: 4.138 ug/l
RT: 6.40 min Scan# 495
Delta R.T. -0.11 min
Lab File: VD060640.D
Acq: 19 Dec 2018 15:07

Tgt Ion: 117 Resp: 1212
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

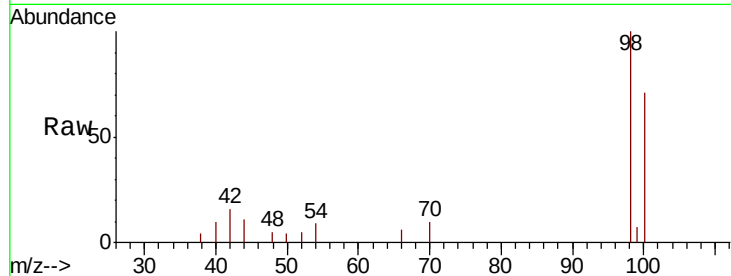




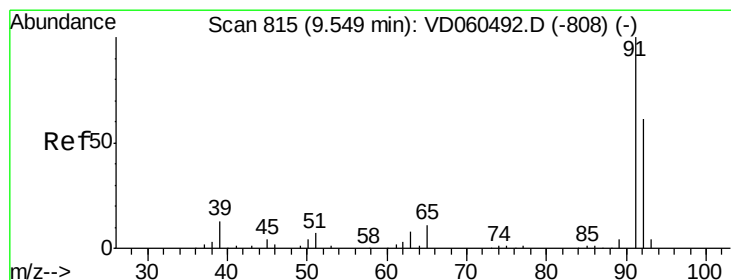
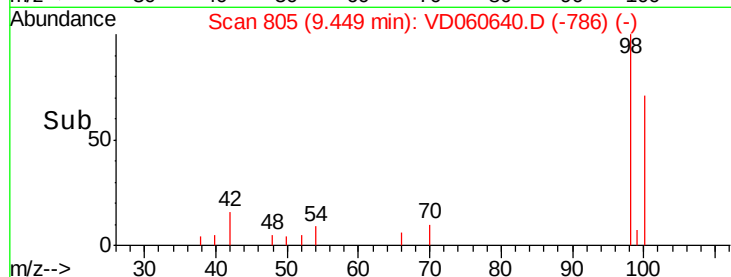
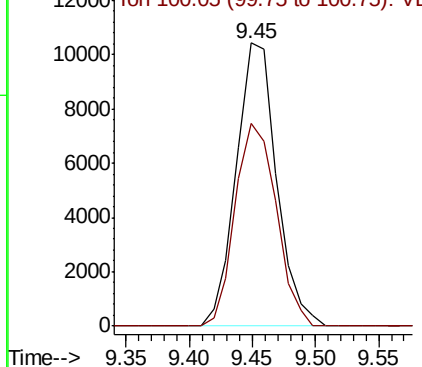
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. -0.01 min
Lab File: VD060640.D
Acq: 19 Dec 2018 15:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 23212
Ion Ratio Lower Upper
98 100
100 71.4 55.7 83.5

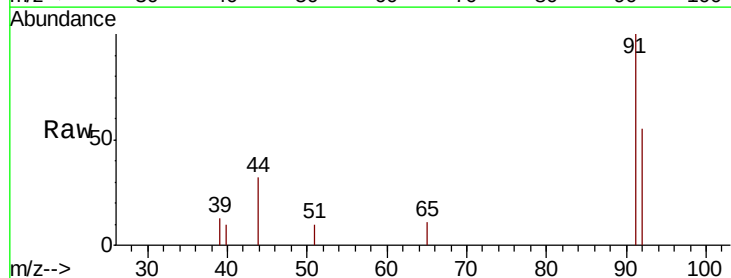


Abundance Ion 98.05 (97.75 to 98.75): VD060492.D (-799) (-)
Ion 100.05 (99.75 to 100.75): VD060492.D (-799) (-)

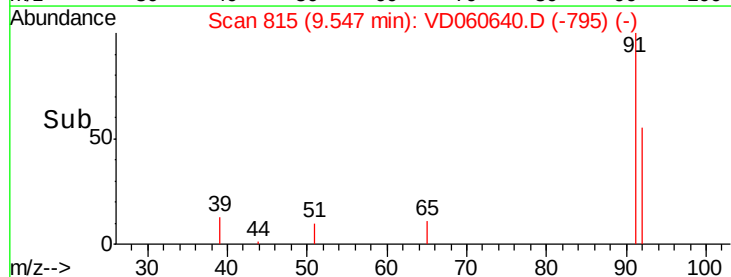
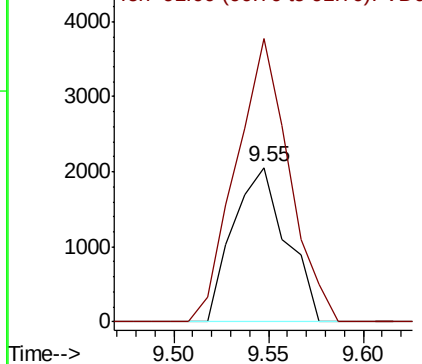


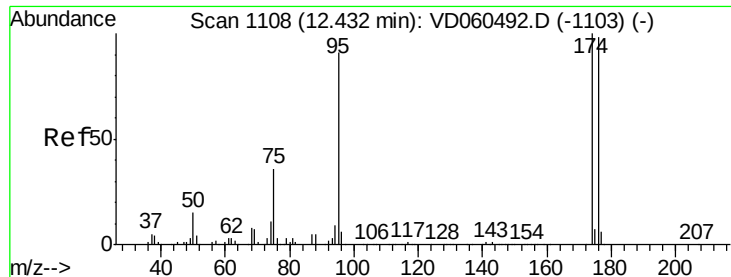
#52
Toluene
Concen: 7.672 ug/l
RT: 9.55 min Scan# 815
Delta R.T. -0.00 min
Lab File: VD060640.D
Acq: 19 Dec 2018 15:07

Tgt Ion: 92 Resp: 3998
Ion Ratio Lower Upper
92 100
91 183.0 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VD060492.D (-808) (-)
Ion 91.00 (90.70 to 91.70): VD060492.D (-808) (-)

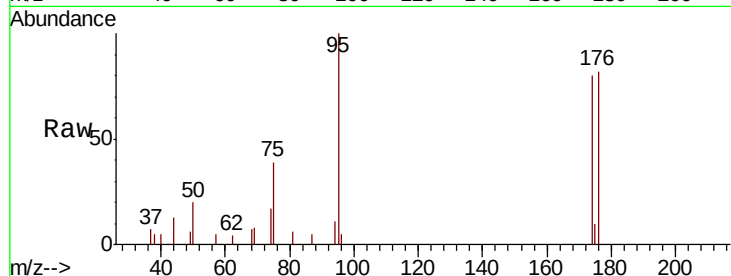




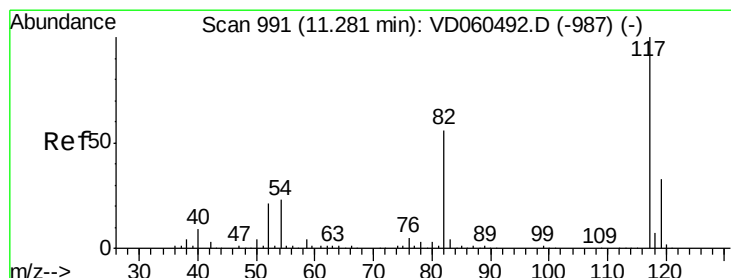
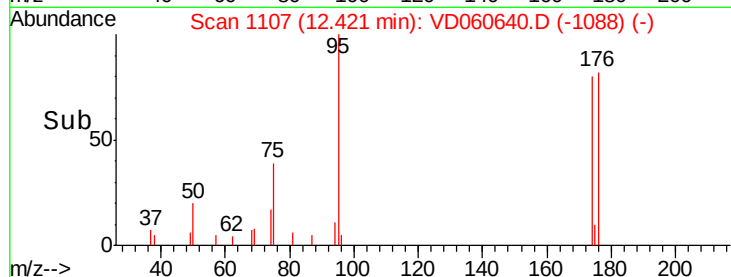
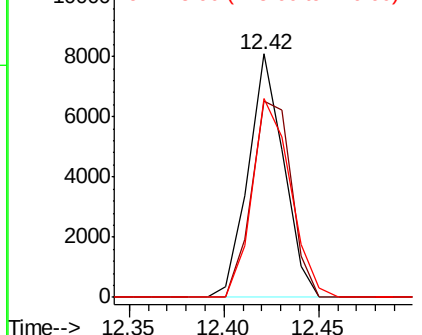
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VD060640.D
Acq: 19 Dec 2018 15:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 95 Resp: 10495
Ion Ratio Lower Upper
95 100
174 80.4 0.0 219.4
176 81.9 0.0 214.6

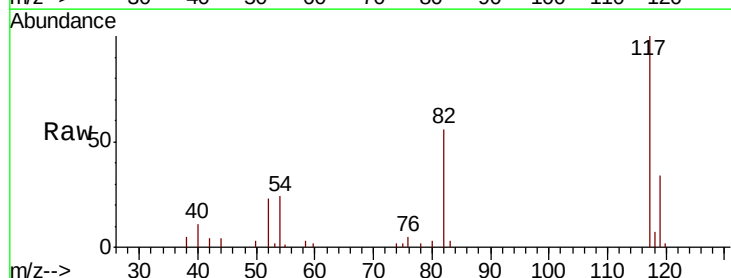


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

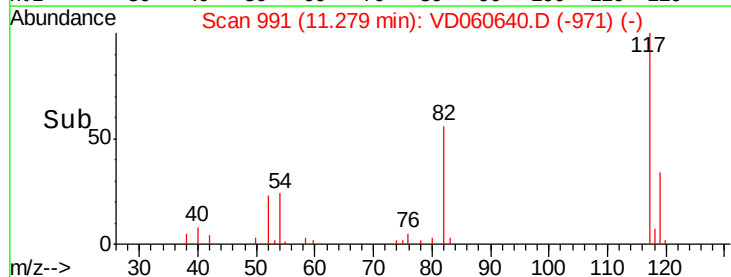
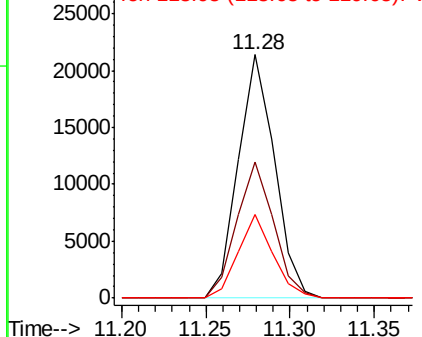


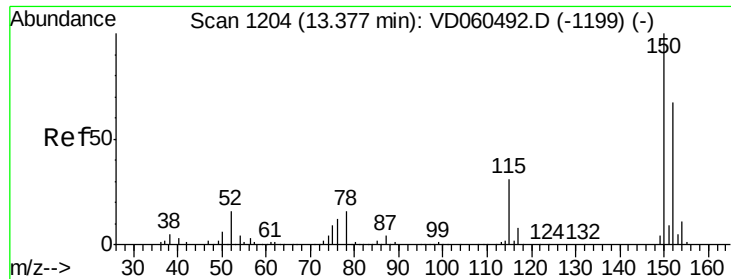
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD060640.D
Acq: 19 Dec 2018 15:07

Tgt Ion: 117 Resp: 32088
Ion Ratio Lower Upper
117 100
82 55.8 45.2 67.8
119 34.3 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# 1203

Delta R.T. -0.01 min

Lab File: VD060640.D

Acq: 19 Dec 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

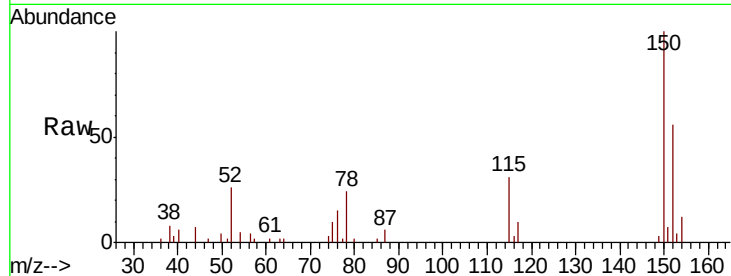
Tot Ion:152 Resp: 14725

Ion Ratio Lower Upper

152 100

115 55.1 24.6 74.0

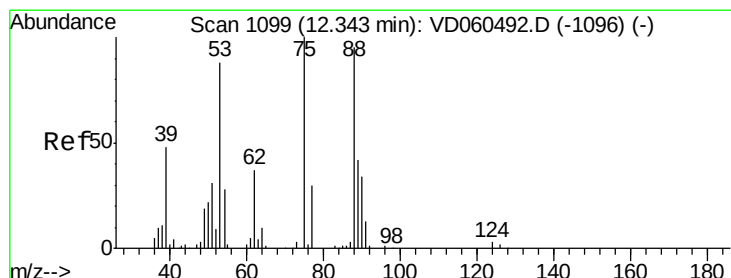
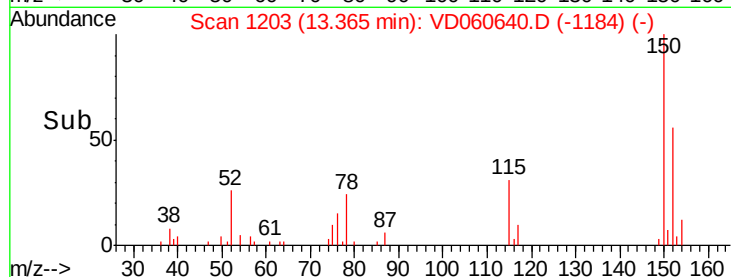
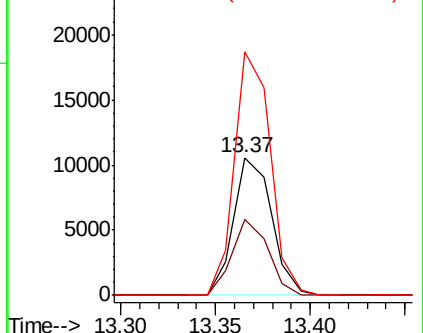
150 177.2 0.0 309.0



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: 93.567 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.08 min

Lab File: VD060640.D

Acq: 19 Dec 2018 15:07

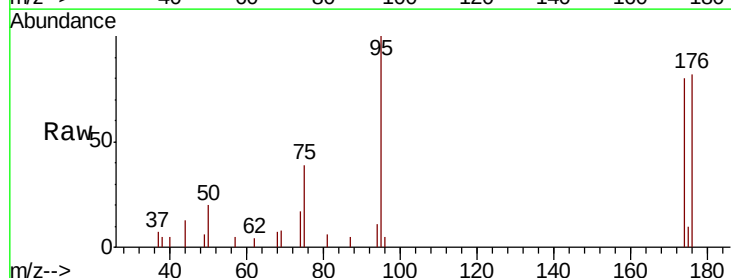
Tgt Ion: 75 Resp: 4354

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

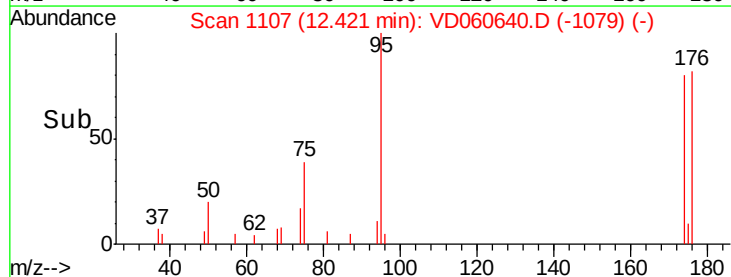
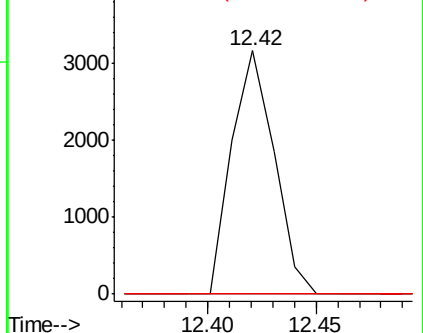
89 0.0 33.6 50.4#

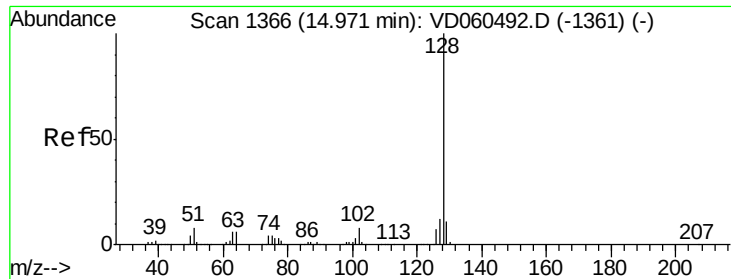


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95

Naphthalene

Concen: 3.513 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.01 min

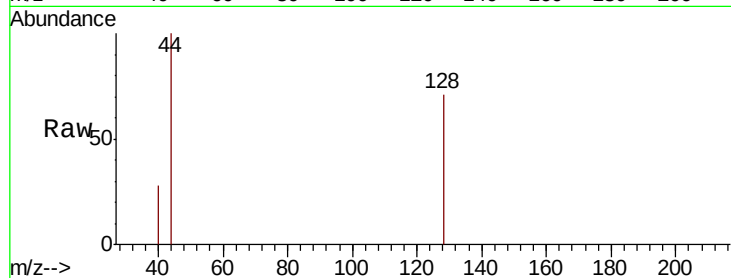
Lab File: VD060640.D

Acq: 19 Dec 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :



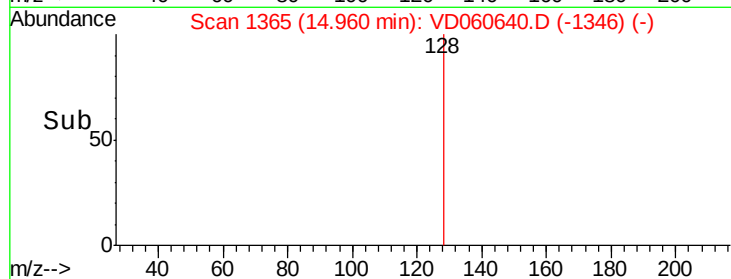
Tot Ion:128 Resp: 1324

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 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

