

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121418\
 Data File : VD060585.D
 Acq On : 14 Dec 2018 20:47
 Operator : VA/AP
 Sample : J6403-57
 Misc : 5.11g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 22:25:41 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	6.39	168	484426	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	706441	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	583637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	237292	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	287230	83.65	ug/l	-0.03
Spiked Amount			Recovery	=	167.30%	
35) Dibromofluoromethane	6.31	113	325683	62.76	ug/l	-0.03
Spiked Amount			Recovery	=	125.52%	
50) Toluene-d8	9.43	98	721793	48.07	ug/l	-0.03
Spiked Amount			Recovery	=	96.14%	
62) 4-Bromofluorobenzene	12.42	95	232755	43.32	ug/l	-0.02
Spiked Amount			Recovery	=	86.64%	

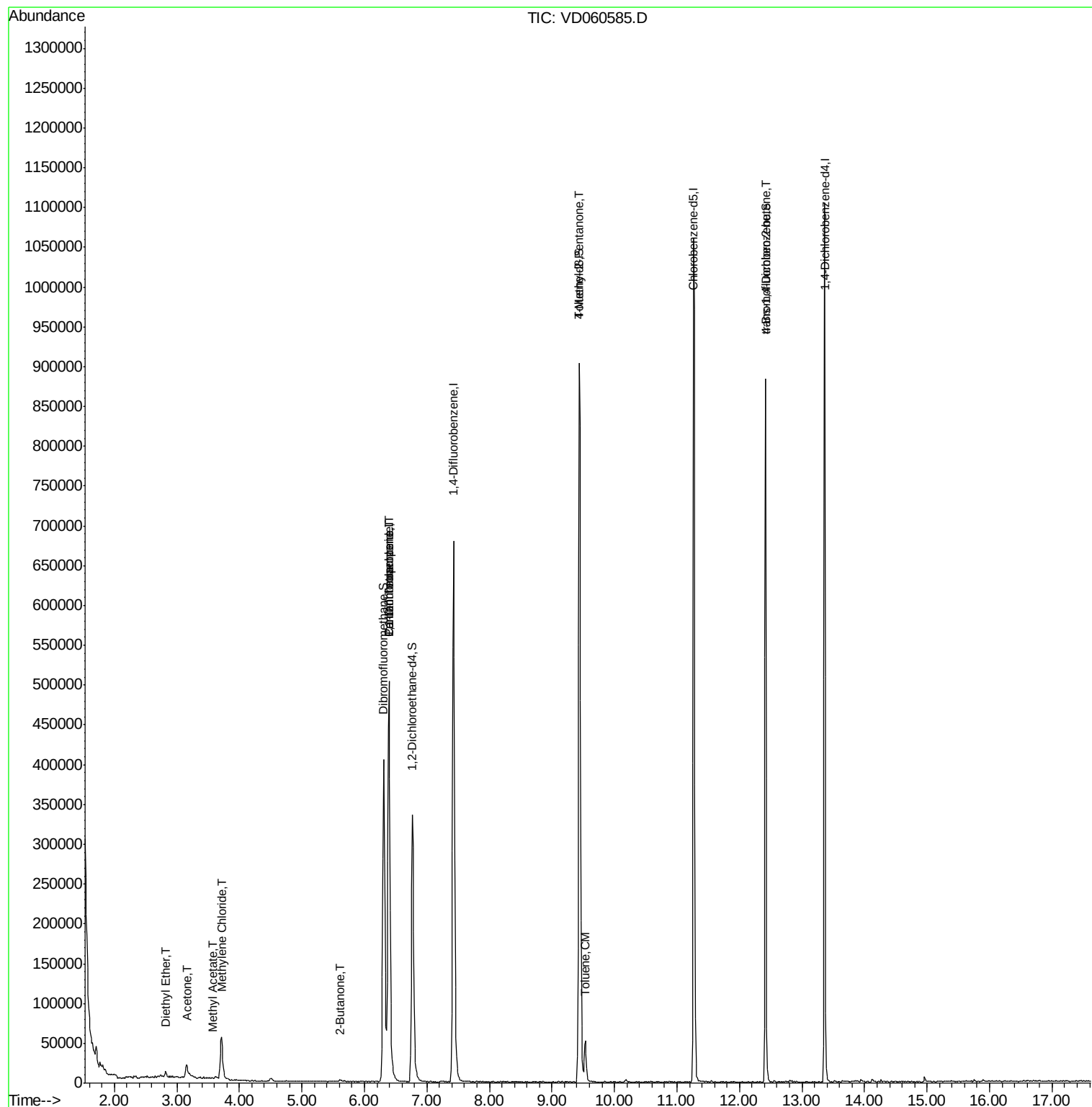
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.83	74	1692	2.136	ug/l	97
16) Acetone	3.16	43	36768	66.805	ug/l	98
18) Methyl Acetate	3.57	43	1532	1.171	ug/l #	64
20) Methylene Chloride	3.72	84	34445	2.573	ug/l	92
25) 2-Butanone	5.61	43	4072	3.761	ug/l #	59
31) Cyclohexane	6.38	56	8619	Below Cal	#	1
36) 1,1-Dichloropropene	6.39	75	34501	4.996	ug/l #	48
38) Carbon Tetrachloride	6.39	117	36695	5.919	ug/l #	17
51) 4-Methyl-2-Pentanone	9.43	43	4224	1.837	ug/l #	1
52) Toluene	9.53	92	27254	2.471	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.42	75	96383	128.531	ug/l #	14

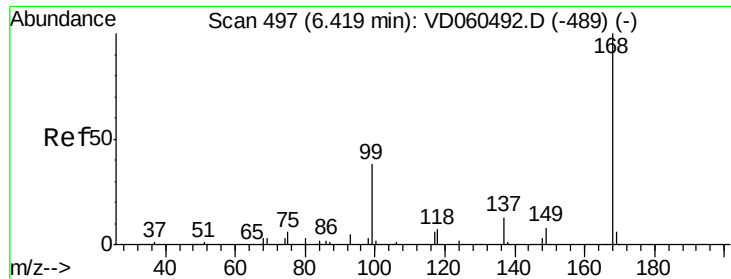
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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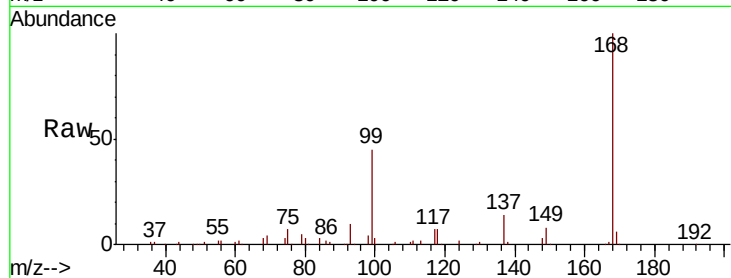




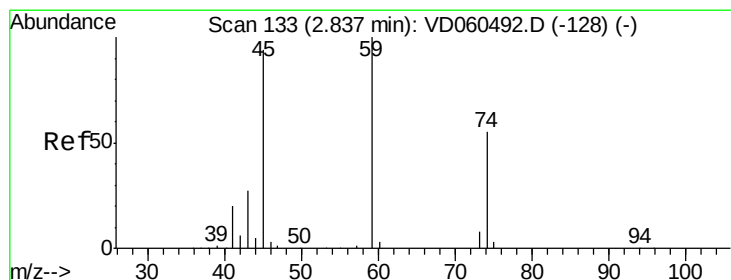
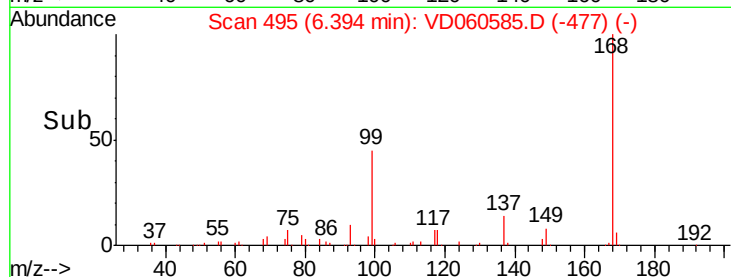
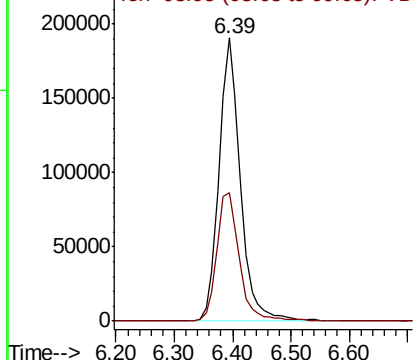
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.39 min Scan# 495
Delta R.T. -0.03 min
Lab File: VD060585.D
Acq: 14 Dec 2018 20:47

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 484426
Ion Ratio Lower Upper
168 100
99 45.2 35.6 53.4

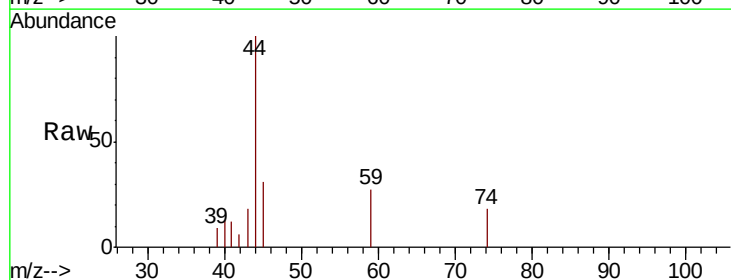


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.95 (98.65 to 99.65): VDC

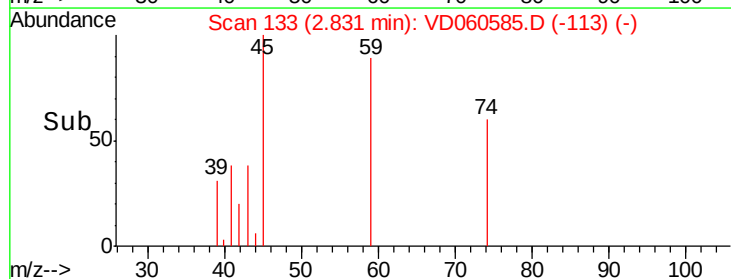
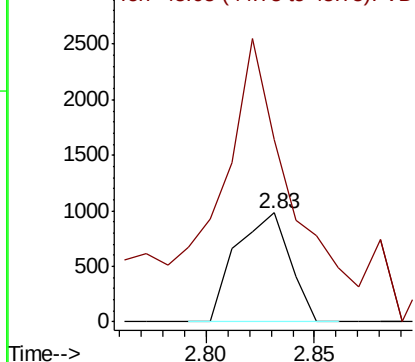


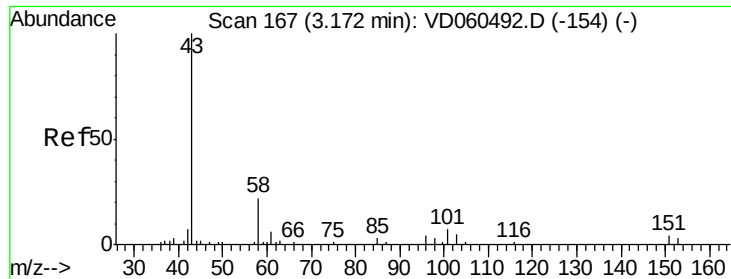
#8
Diethyl Ether
Concen: 2.136 ug/l
RT: 2.83 min Scan# 133
Delta R.T. -0.01 min
Lab File: VD060585.D
Acq: 14 Dec 2018 20:47

Tgt Ion: 74 Resp: 1692
Ion Ratio Lower Upper
74 100
45 167.7 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 66.805 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.02 min

Lab File: VD060585.D

Acq: 14 Dec 2018 20:47

Instrument :

MSVOA_D

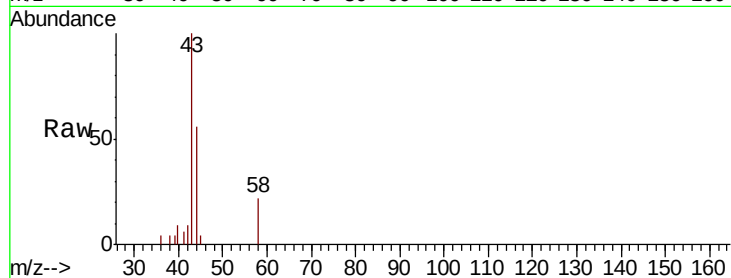
ClientSampled :

Tot Ion: 43 Resp: 36768

Ion Ratio Lower Upper

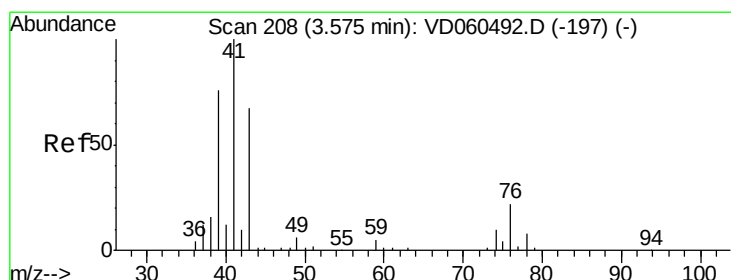
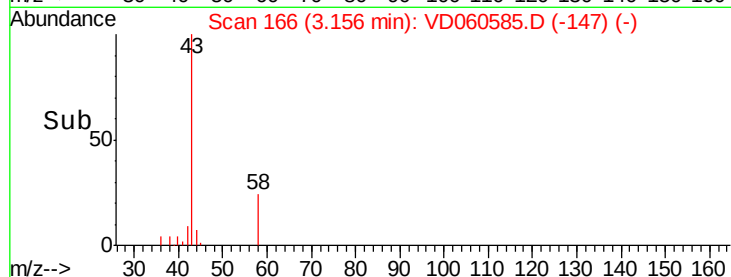
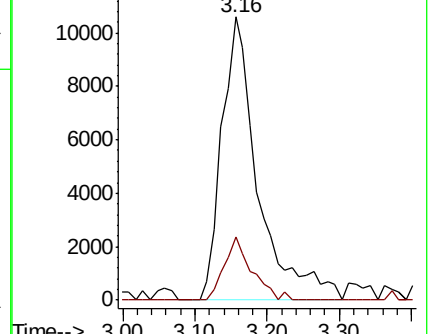
43 100

58 22.4 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: 1.171 ug/l

RT: 3.57 min Scan# 208

Delta R.T. -0.01 min

Lab File: VD060585.D

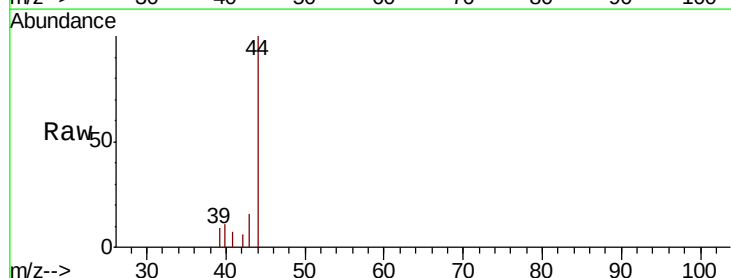
Acq: 14 Dec 2018 20:47

Tgt Ion: 43 Resp: 1532

Ion Ratio Lower Upper

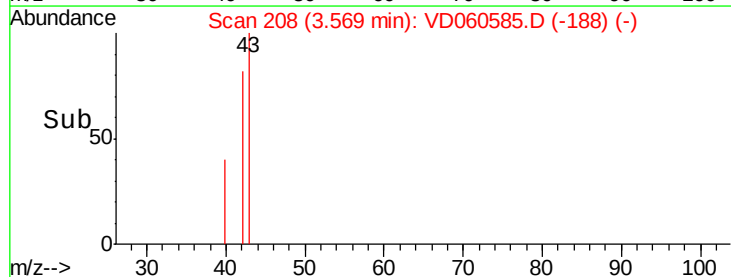
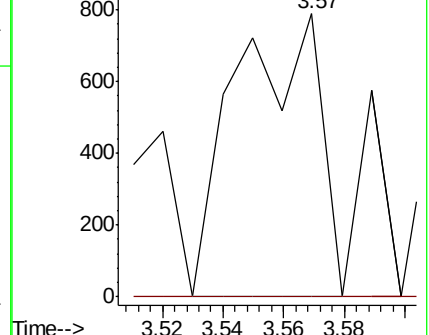
43 100

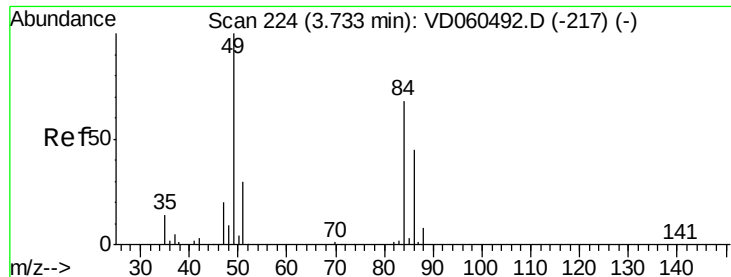
74 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

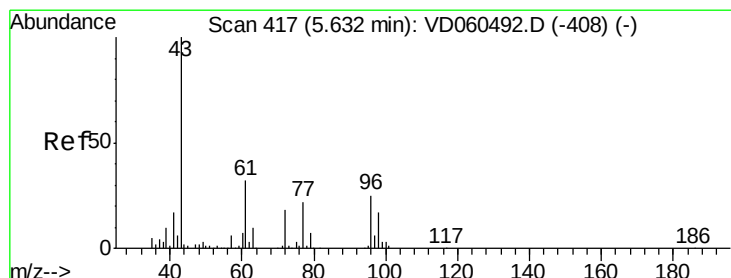
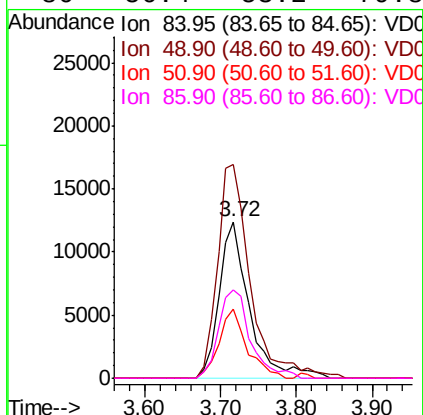
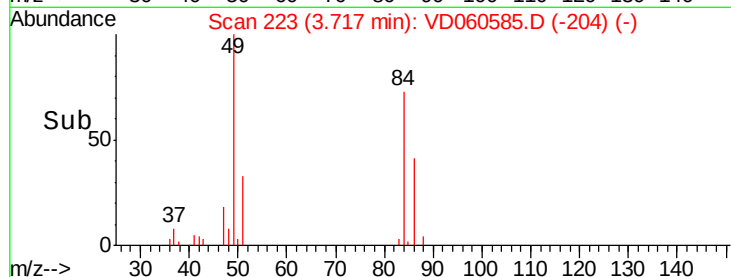
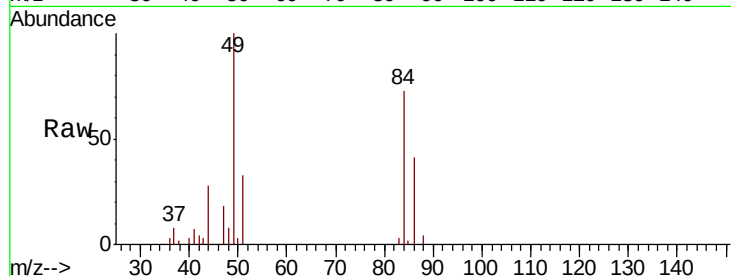




#20
Methvlene Chloride
Concen: 2.573 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD060585.D
Acq: 14 Dec 2018 20:47

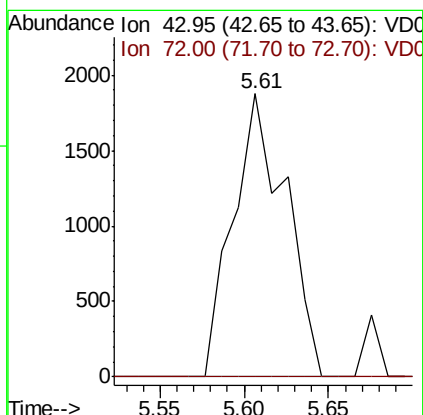
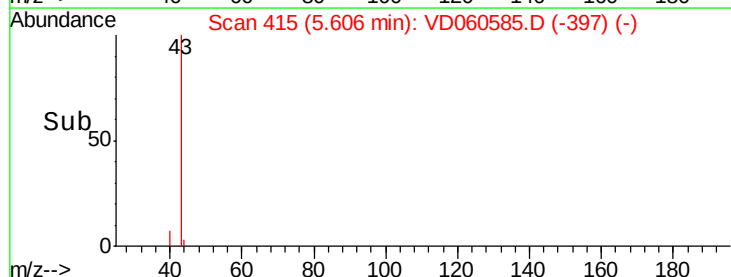
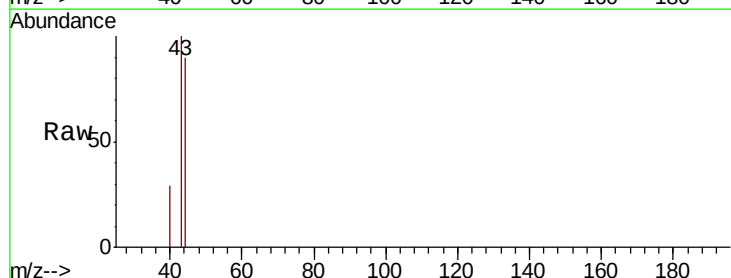
Instrument :
MSVOA_D
ClientSampleId :

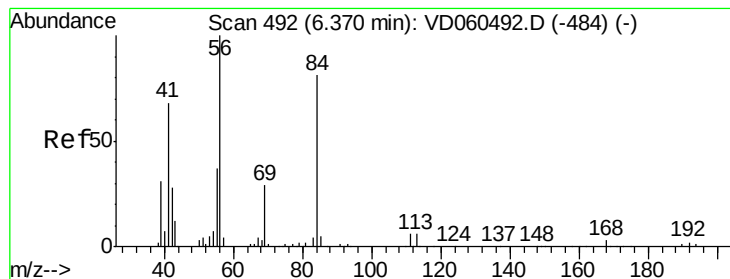
Tot Ion: 84 Resp: 34445
Ion Ratio Lower Upper
84 100
49 136.5 117.2 175.8
51 44.4 35.3 52.9
86 56.4 53.2 79.8



#25
2-Butanone
Concen: 3.761 ug/l
RT: 5.61 min Scan# 415
Delta R.T. -0.03 min
Lab File: VD060585.D
Acq: 14 Dec 2018 20:47

Tgt Ion: 43 Resp: 4072
Ion Ratio Lower Upper
43 100
72 0.0 14.6 21.8#





#31

Cyclohexane

Concen: Below Cal

RT: 6.38 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD060585.D

Acq: 14 Dec 2018 20:47

Instrument :
MSVOA_D
ClientSampleId :

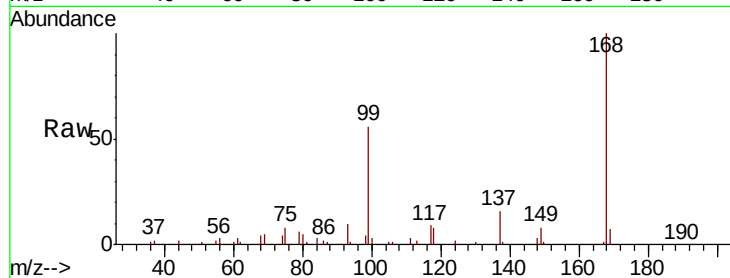
Tot Ion: 56 Resp: 8619

Ion Ratio Lower Upper

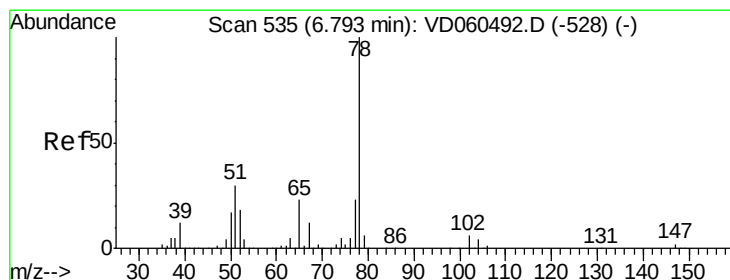
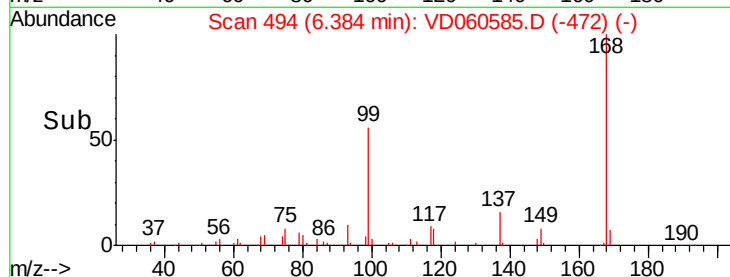
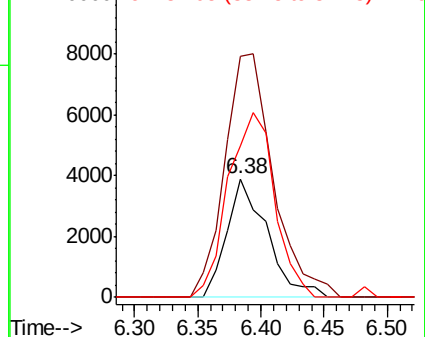
56 100

69 204.2 22.8 34.2#

84 127.8 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: 6.77 min Scan# 533

Delta R.T. -0.03 min

Lab File: VD060585.D

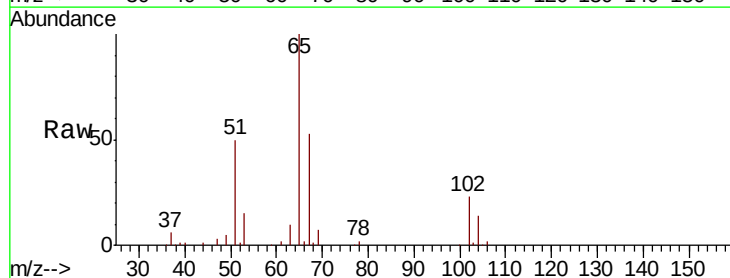
Acq: 14 Dec 2018 20:47

Tgt Ion: 65 Resp: 287230

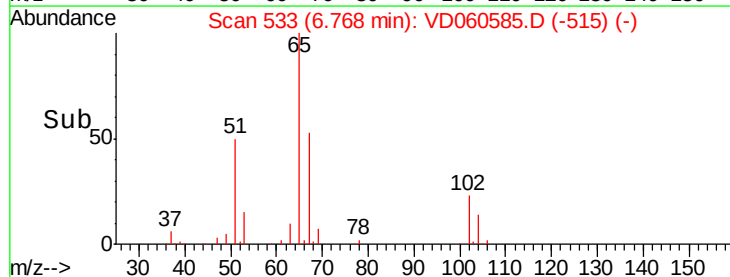
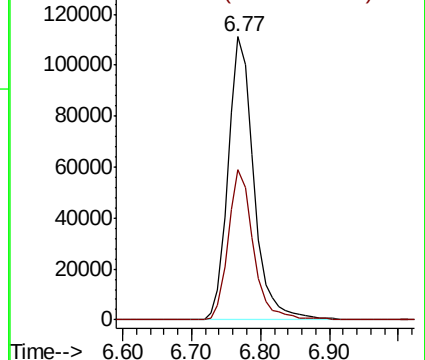
Ion Ratio Lower Upper

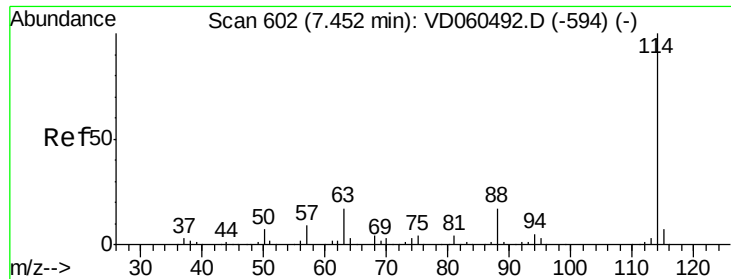
65 100

67 53.0 0.0 106.8



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

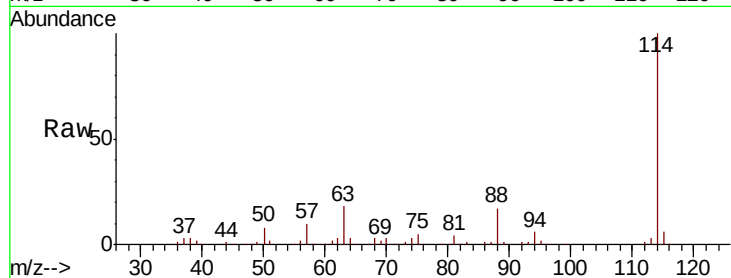




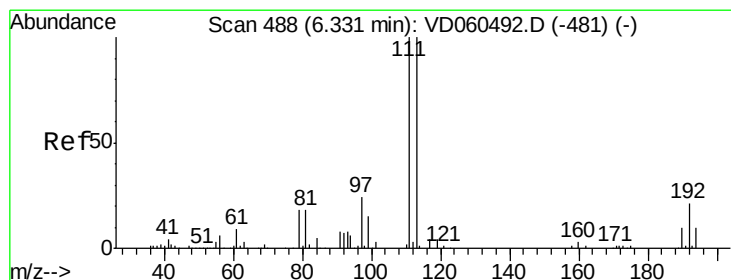
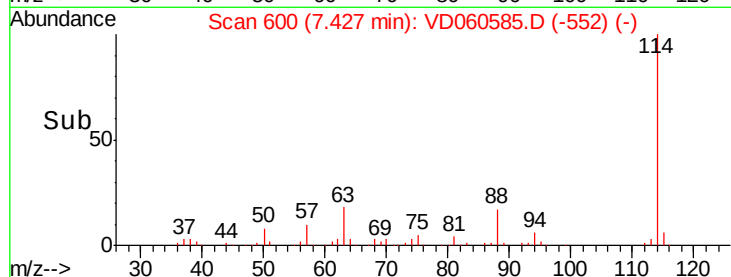
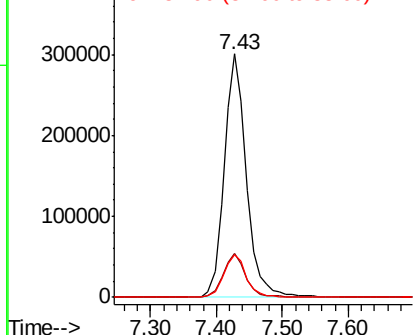
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: VD060585.D
 Acq: 14 Dec 2018 20:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 706441
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.2
 88 17.3 0.0 35.0

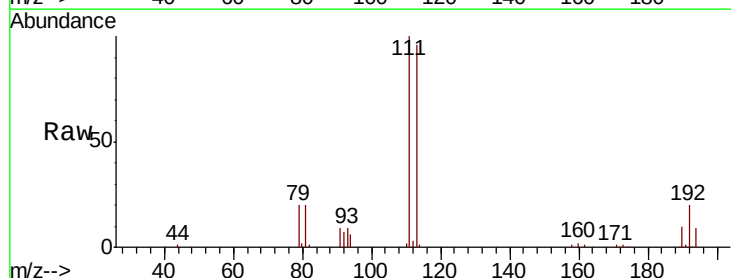


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

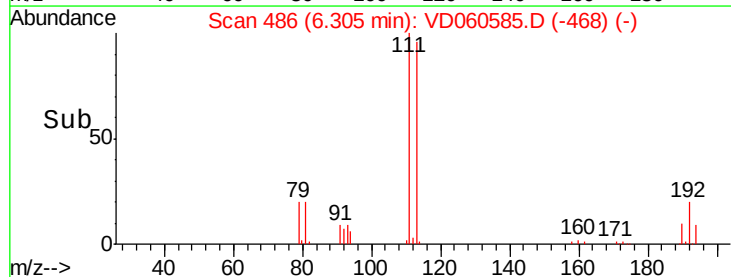
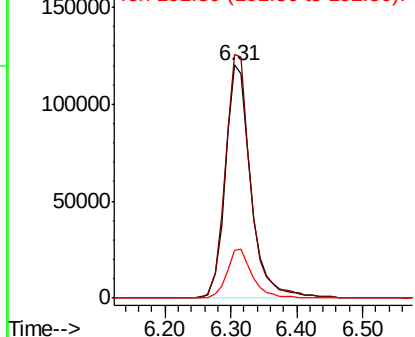


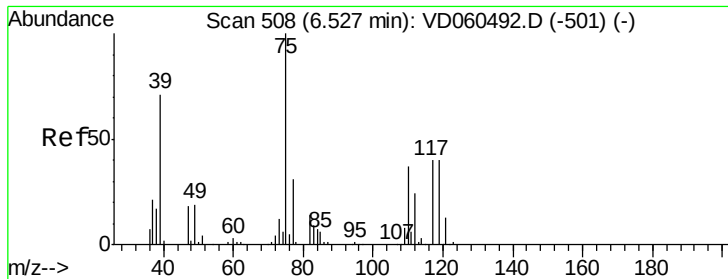
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VD060585.D
 Acq: 14 Dec 2018 20:47

Tgt Ion:113 Resp: 325683
 Ion Ratio Lower Upper
 113 100
 111 104.6 80.2 120.4
 192 20.6 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

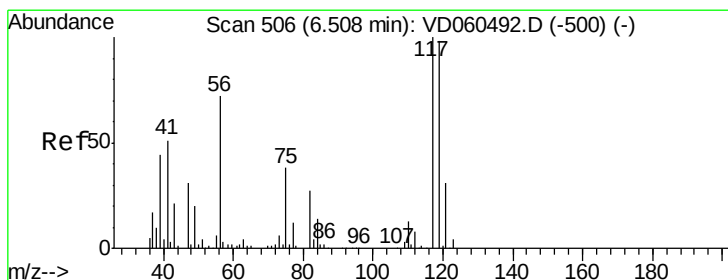
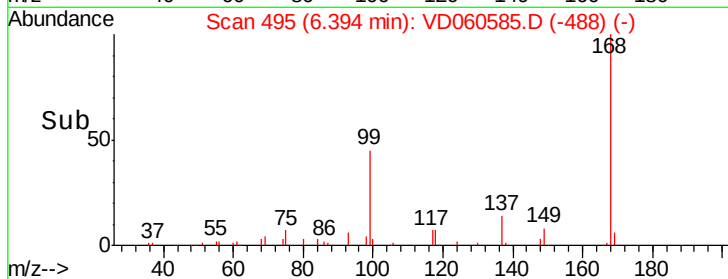
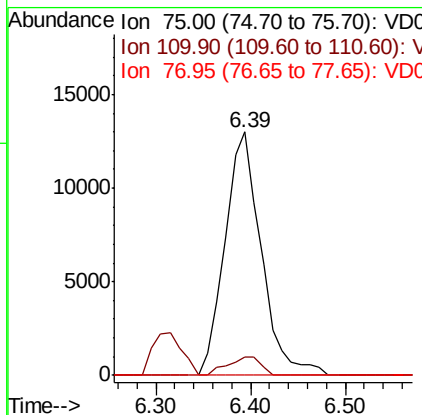
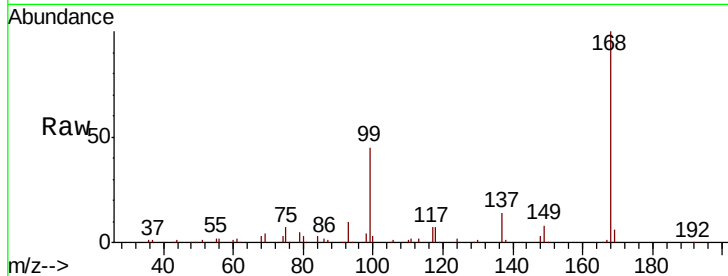




#36
 1,1-Dichloropropene
 Concen: 4.996 ug/l
 RT: 6.39 min Scan# 495
 Delta R.T. -0.13 min
 Lab File: VD060585.D
 Acq: 14 Dec 2018 20:47

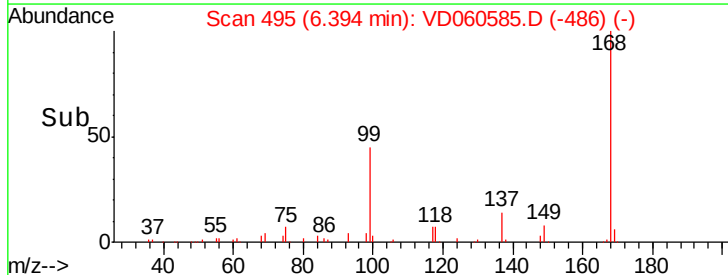
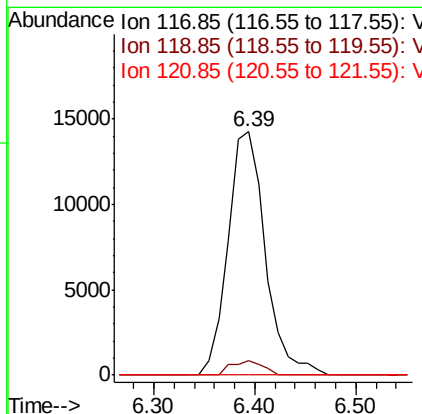
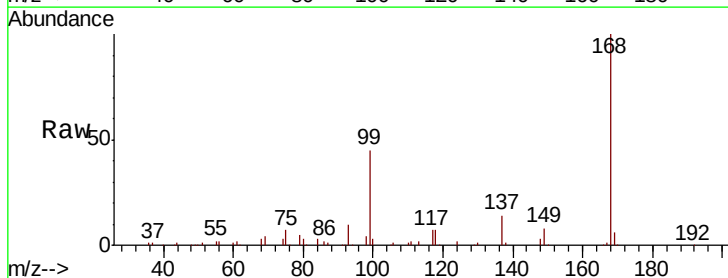
Instrument :
 MSVOA_D
 ClientSampleId :

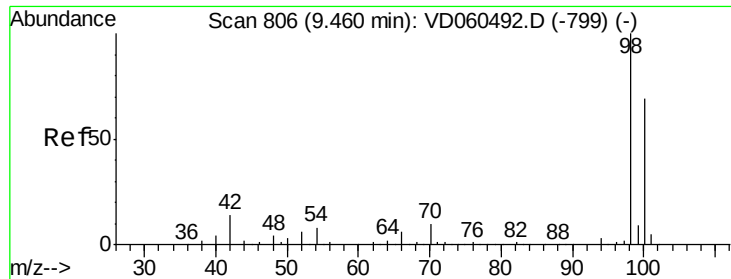
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	18.3	54.8#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.919 ug/l
 RT: 6.39 min Scan# 495
 Delta R.T. -0.11 min
 Lab File: VD060585.D
 Acq: 14 Dec 2018 20:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.8	115.2#
121	0.0	24.4	36.6#

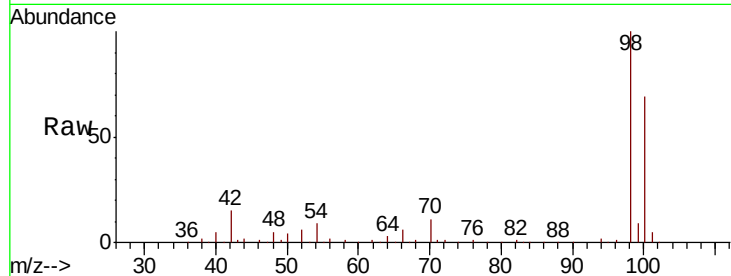




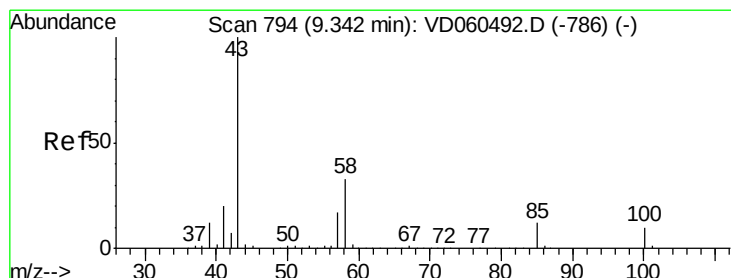
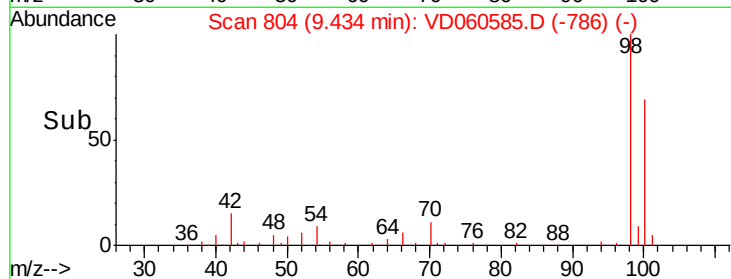
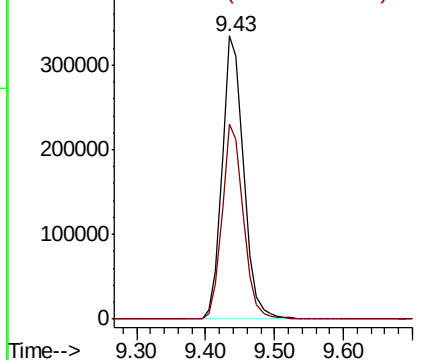
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.03 min
Lab File: VD060585.D
Acq: 14 Dec 2018 20:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 721793
Ion Ratio Lower Upper
98 100
100 69.0 55.7 83.5

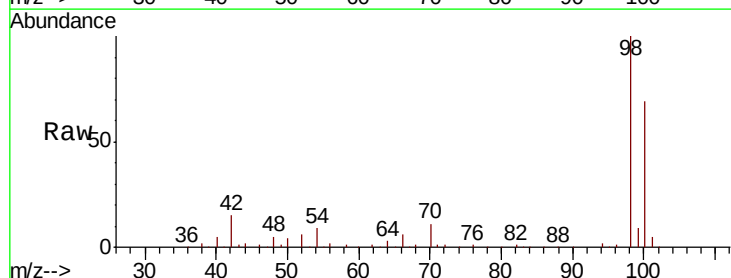


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

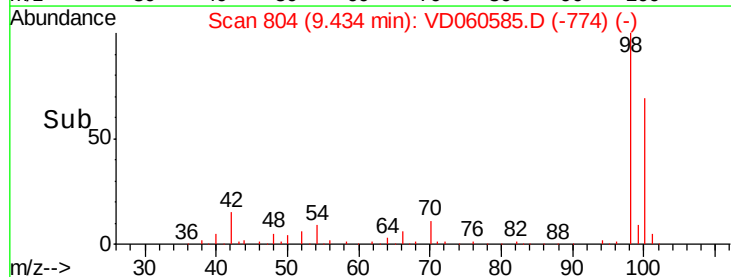
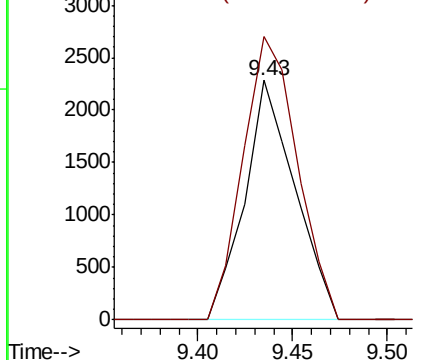


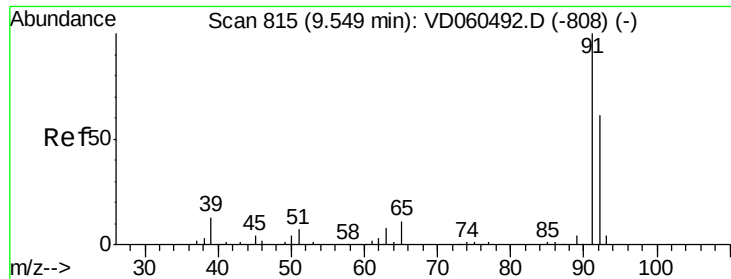
#51
4-Methyl-2-Pentanone
Concen: 1.837 ug/l
RT: 9.43 min Scan# 804
Delta R.T. 0.09 min
Lab File: VD060585.D
Acq: 14 Dec 2018 20:47

Tgt Ion: 43 Resp: 4224
Ion Ratio Lower Upper
43 100
58 118.0 26.3 39.5#



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





#52

Toluene

Concen: 2.471 ug/l

RT: 9.53 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD060585.D

Acq: 14 Dec 2018 20:47

Instrument :

MSVOA_D

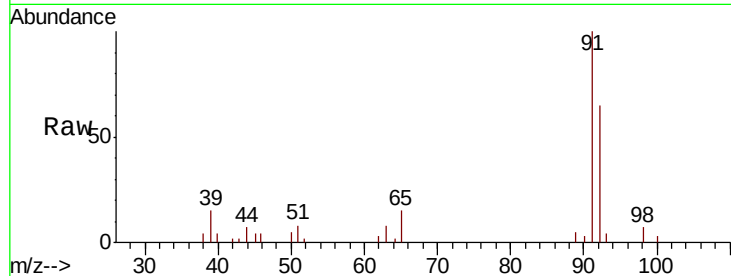
ClientSampleId :

Tot Ion: 92 Resp: 27254

Ion Ratio Lower Upper

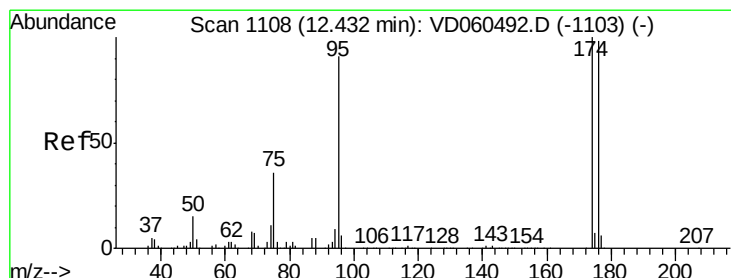
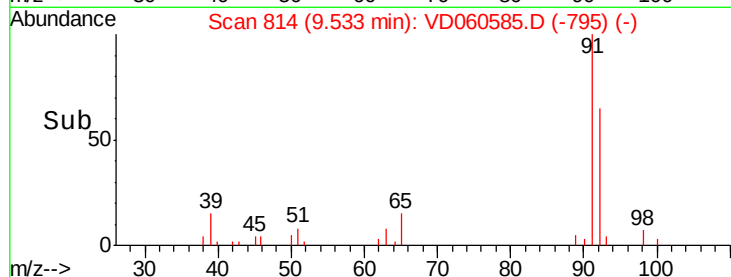
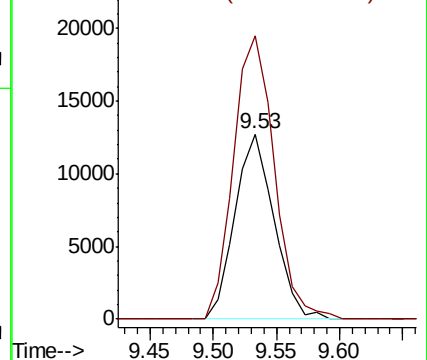
92 100

91 152.9 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060585.D

Acq: 14 Dec 2018 20:47

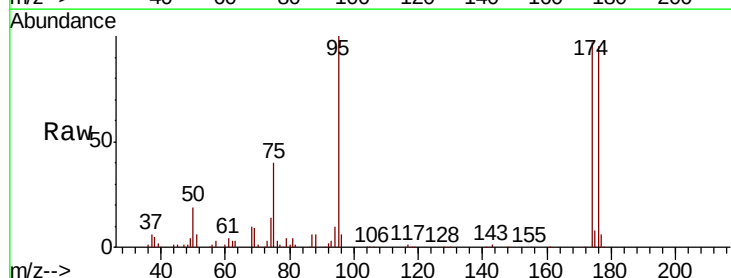
Tgt Ion: 95 Resp: 232755

Ion Ratio Lower Upper

95 100

174 96.7 0.0 219.4

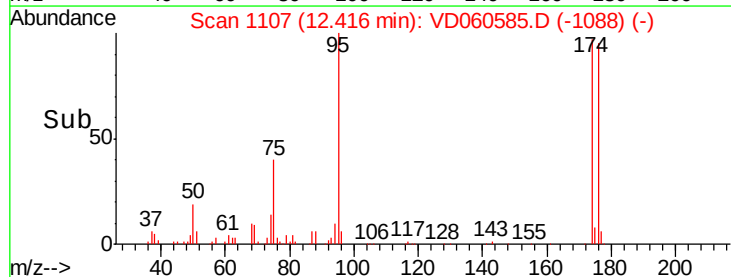
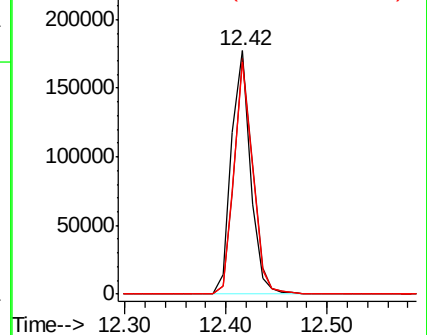
176 95.2 0.0 214.6

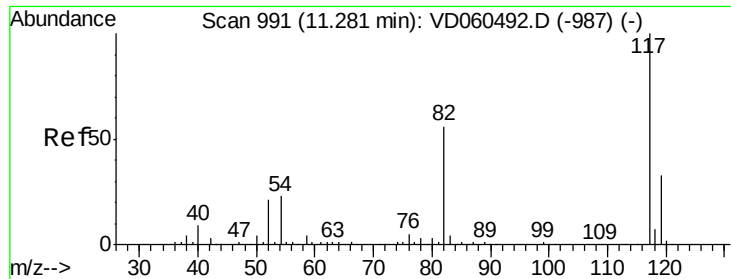


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

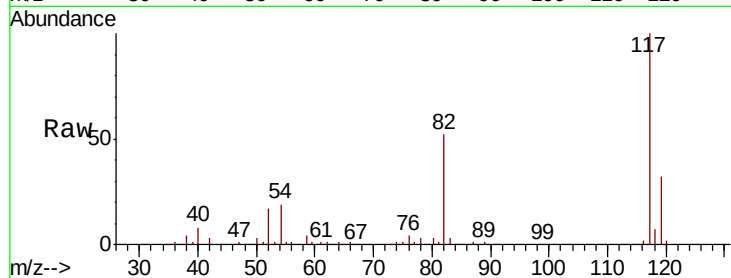




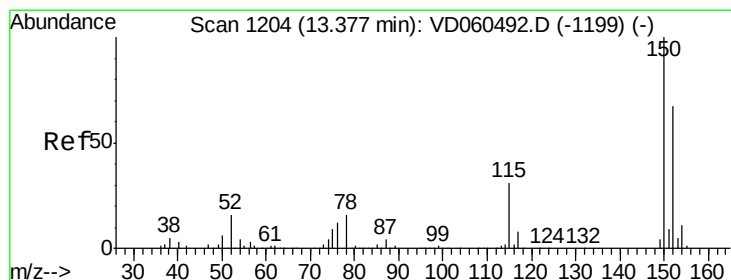
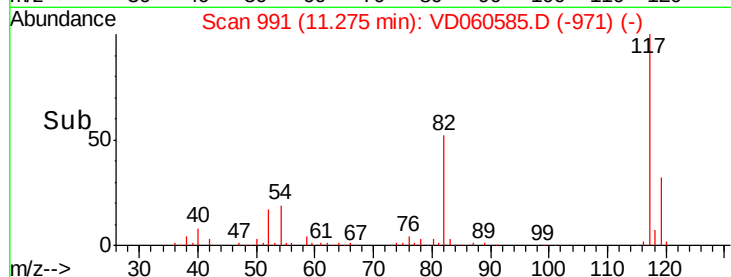
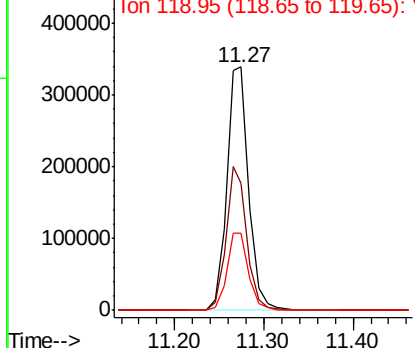
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD060585.D
Acq: 14 Dec 2018 20:47

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 583637
Ion Ratio Lower Upper
117 100
82 52.1 45.2 67.8
119 32.0 26.1 39.1

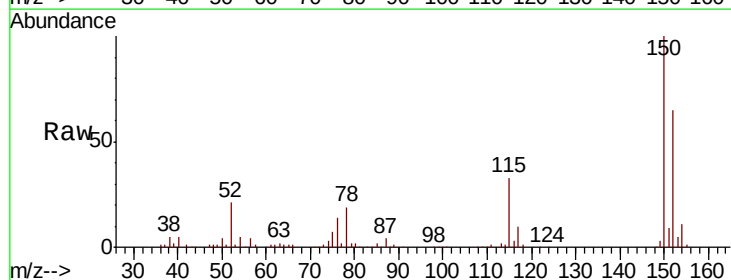


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

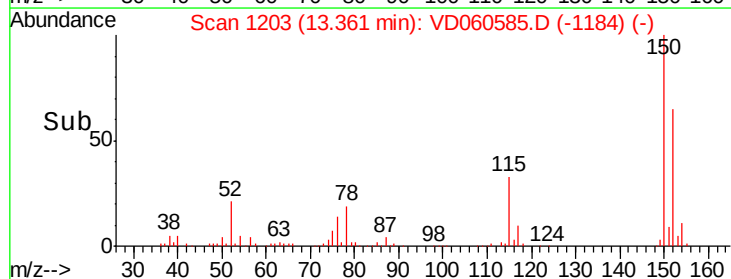
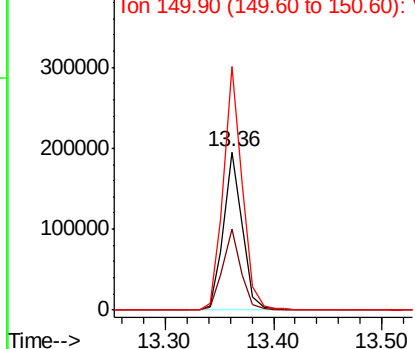


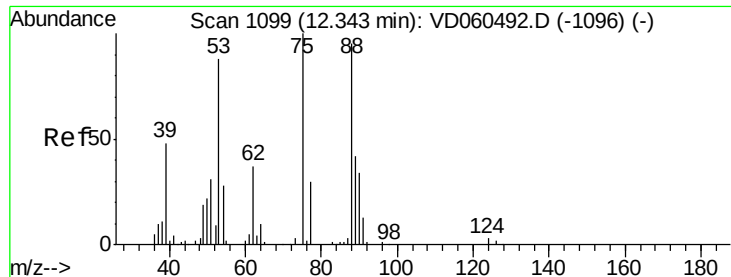
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060585.D
Acq: 14 Dec 2018 20:47

Tgt Ion:152 Resp: 237292
Ion Ratio Lower Upper
152 100
115 51.4 24.6 74.0
150 153.8 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: 128.531 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060585.D

Acq: 14 Dec 2018 20:47

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 96383

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 33.6 50.4#

