

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121418\
 Data File : VD060572.D
 Acq On : 14 Dec 2018 14:41
 Operator : VA/AP
 Sample : J6403-05
 Misc : 4.43g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 22:22:52 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	1165289	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1576990	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1137759	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	437866	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	492502	59.63	ug/l	-0.03
Spiked Amount			Recovery	=	119.26%	
35) Dibromofluoromethane	6.30	113	611323	52.78	ug/l	-0.03
Spiked Amount			Recovery	=	105.56%	
50) Toluene-d8	9.44	98	1589946	47.43	ug/l	-0.02
Spiked Amount			Recovery	=	94.86%	
62) 4-Bromofluorobenzene	12.41	95	459722	38.33	ug/l	-0.02
Spiked Amount			Recovery	=	76.66%	

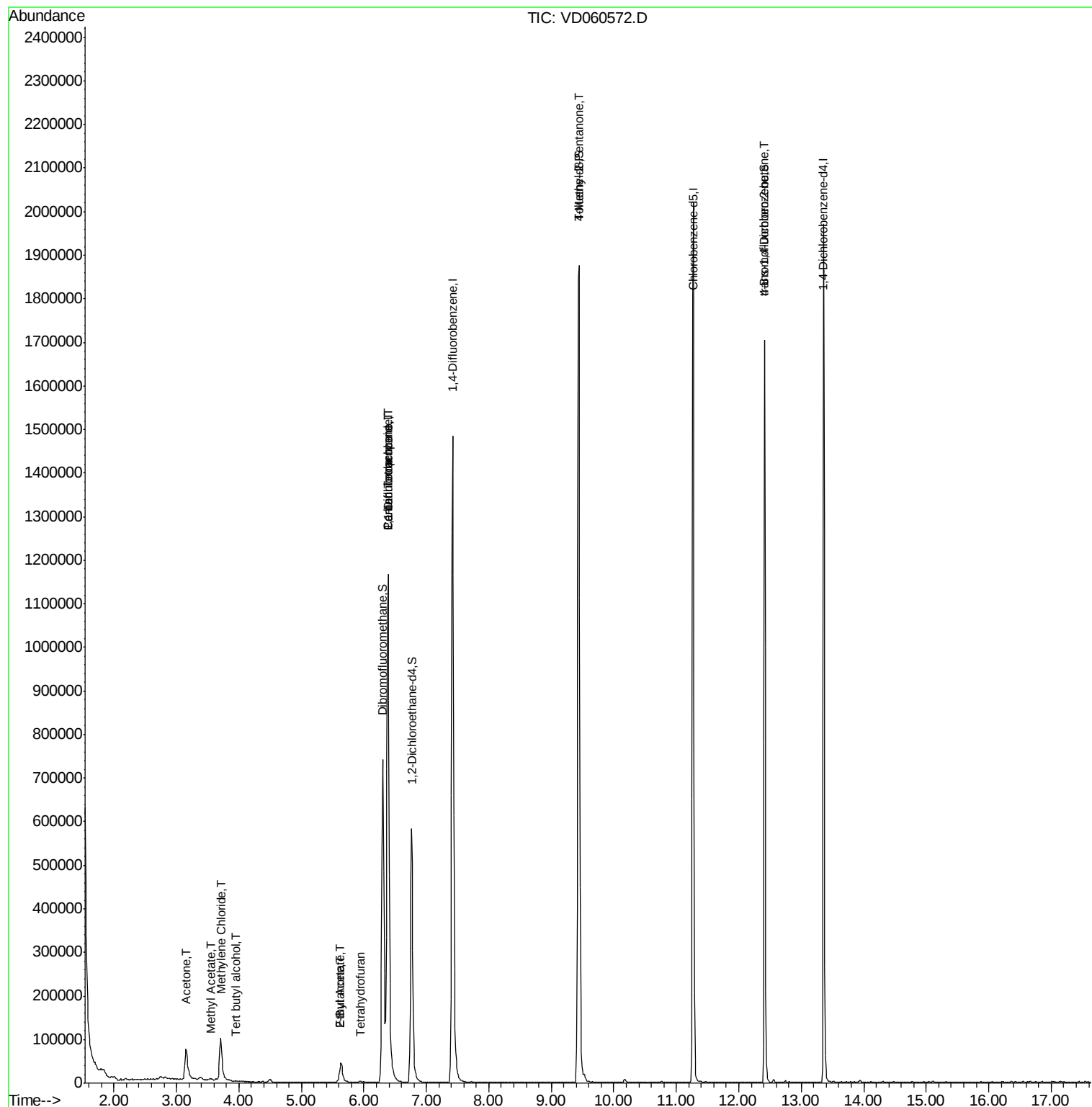
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.95	59	2754	8.207	ug/l #	73
16) Acetone	3.15	43	156473	118.188	ug/l	98
18) Methyl Acetate	3.55	43	10683	3.395	ug/l	98
20) Methylene Chloride	3.70	84	68010	1.232	ug/l	93
25) 2-Butanone	5.60	43	20135	7.730	ug/l	95
29) Tetrahydrofuran	5.93	42	3103	2.104	ug/l #	48
31) Cyclohexane	6.39	56	20899	Below Cal	#	1
36) 1,1-Dichloropropene	6.39	75	83788	5.436	ug/l #	46
37) Ethyl Acetate	5.60	43	20135	3.012	ug/l #	68
38) Carbon Tetrachloride	6.39	117	88858	6.421	ug/l #	16
51) 4-Methyl-2-Pentanone	9.43	43	8077	1.573	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.41	75	187704	135.651	ug/l #	14
89) n-Butylbenzene	13.63	91	249	Below Cal	#	29

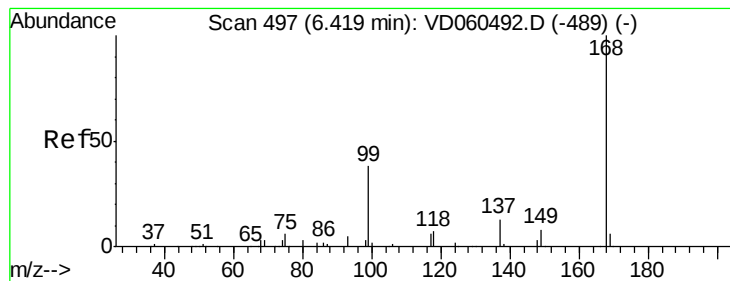
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121418\
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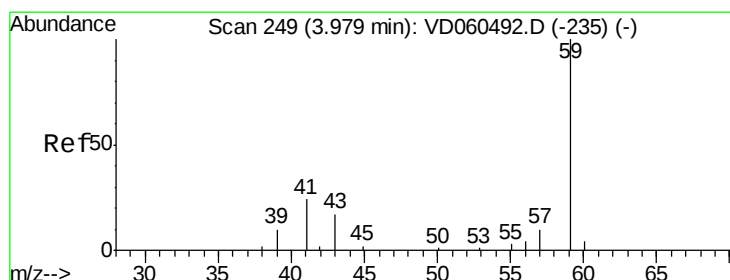
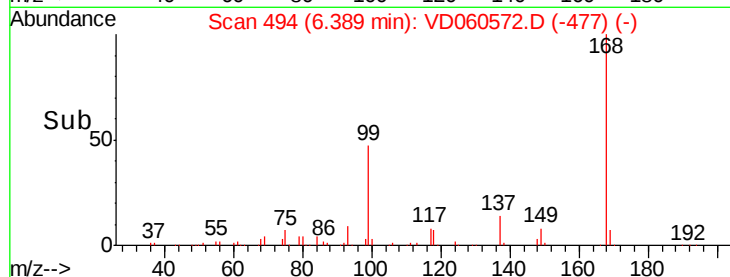
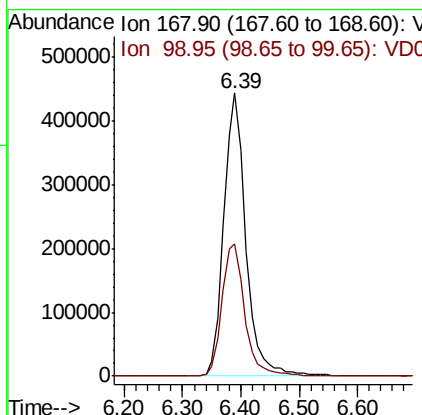
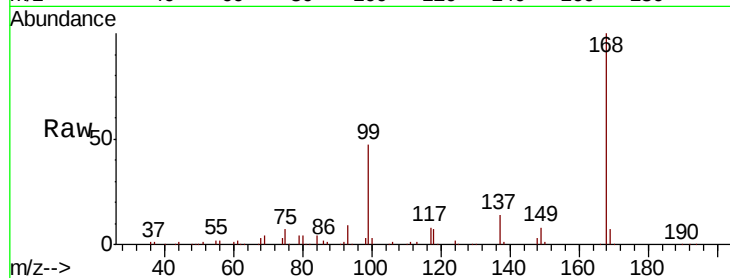




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.39 min Scan# 494
Delta R.T. -0.03 min
Lab File: VD060572.D
Acq: 14 Dec 2018 14:41

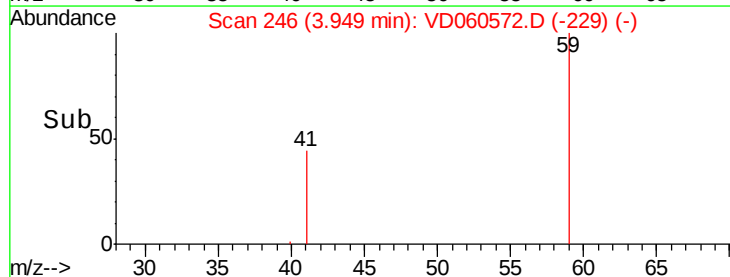
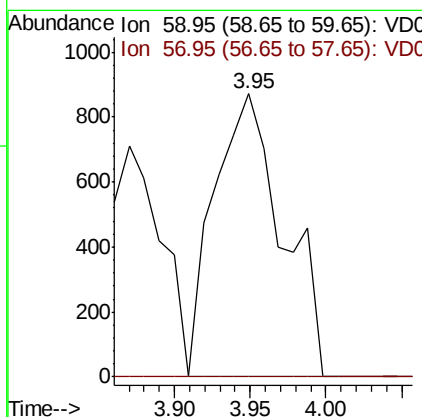
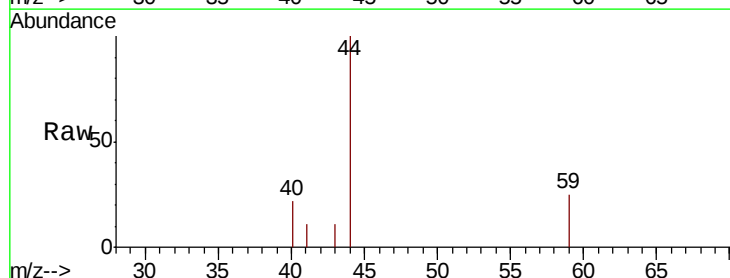
Instrument :
MSVOA_D
ClientSampleId :

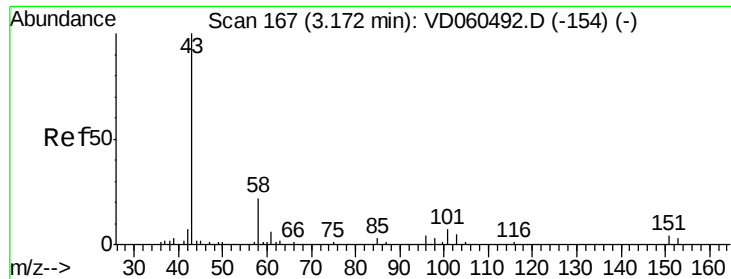
Tot Ion:168 Resp: 1165289
Ion Ratio Lower Upper
168 100
99 46.6 35.6 53.4



#11
Tert butyl alcohol
Concen: 8.207 ug/l
RT: 3.95 min Scan# 246
Delta R.T. -0.03 min
Lab File: VD060572.D
Acq: 14 Dec 2018 14:41

Tgt Ion: 59 Resp: 2754
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 118.188 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060572.D

Acq: 14 Dec 2018 14:41

Instrument :

MSVOA_D

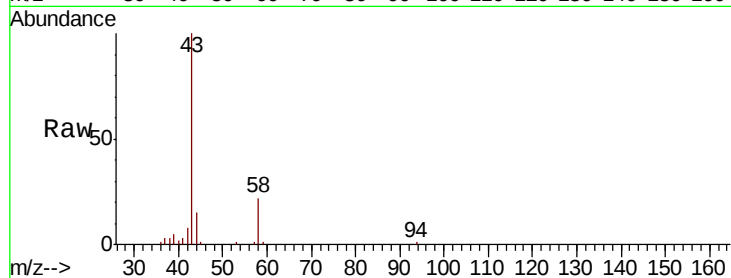
ClientSampleId :

Tot Ion: 43 Resp: 156473

Ion Ratio Lower Upper

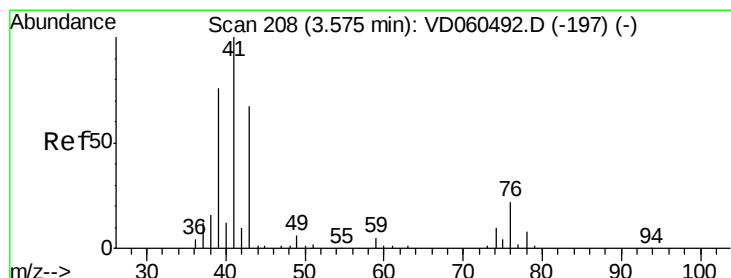
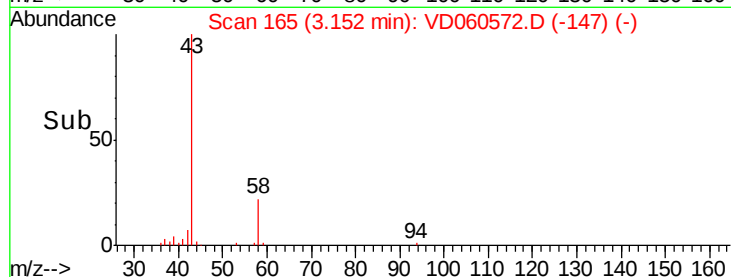
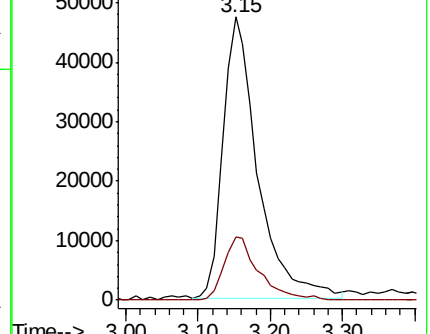
43 100

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: 3.395 ug/l

RT: 3.55 min Scan# 205

Delta R.T. -0.03 min

Lab File: VD060572.D

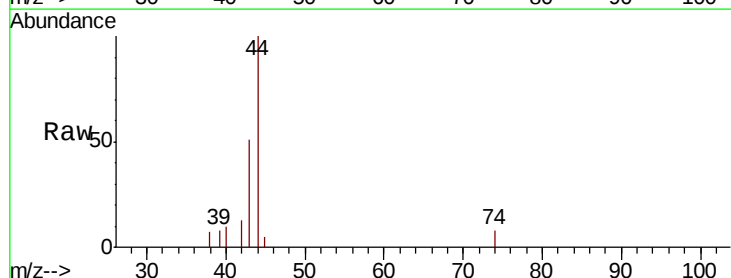
Acq: 14 Dec 2018 14:41

Tgt Ion: 43 Resp: 10683

Ion Ratio Lower Upper

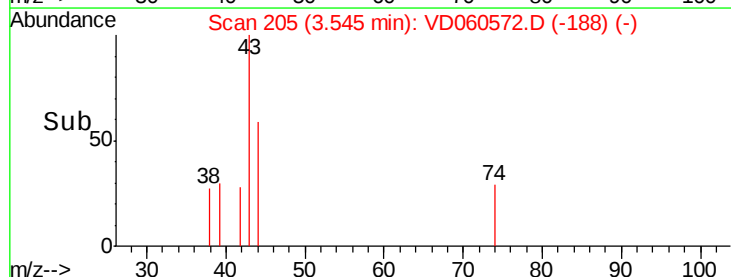
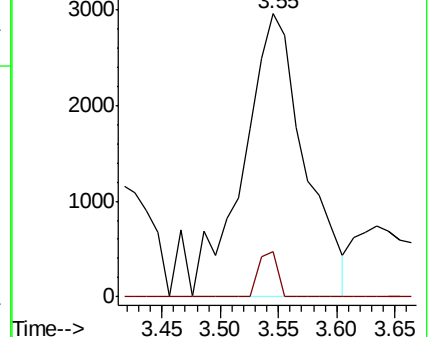
43 100

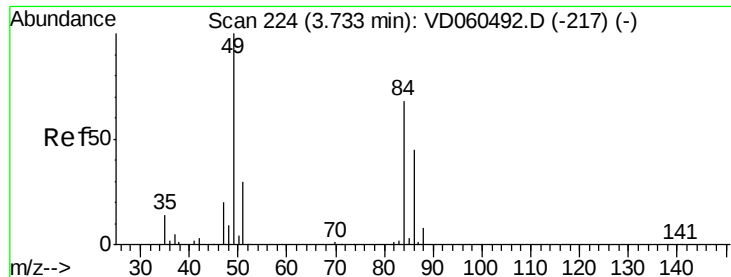
74 15.9 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

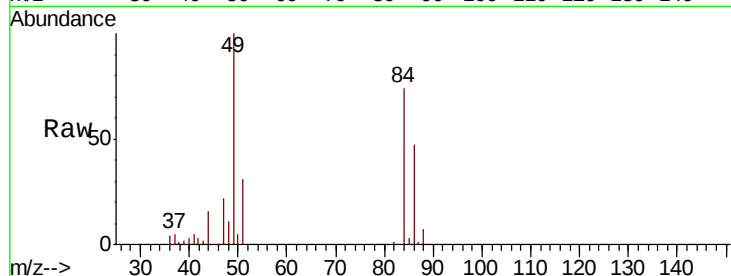




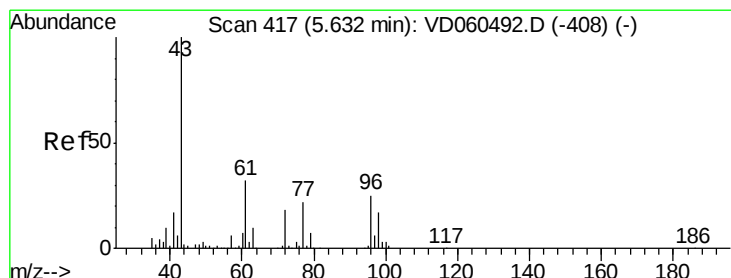
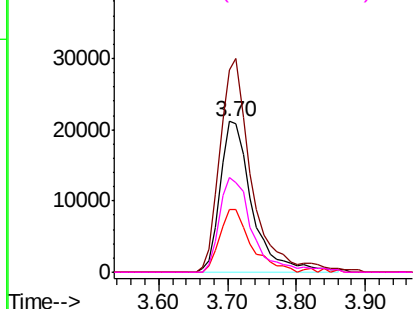
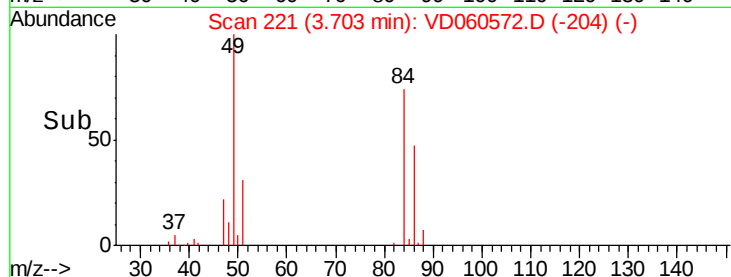
#20
Methvlene Chloride
Concen: 1.232 ug/l
RT: 3.70 min Scan# 221
Delta R.T. -0.03 min
Lab File: VD060572.D
Acq: 14 Dec 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	68010
Ion	Ratio	Lower	Upper
84	100		
49	134.2	117.2	175.8
51	41.9	35.3	52.9
86	62.7	53.2	79.8

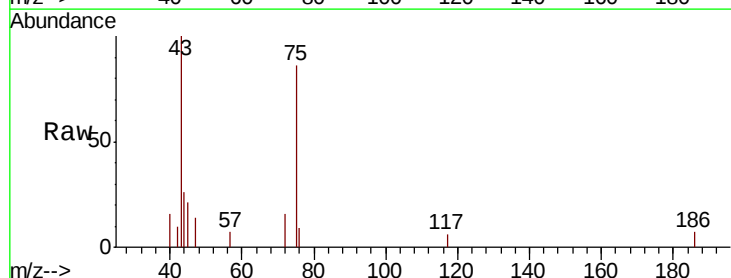


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

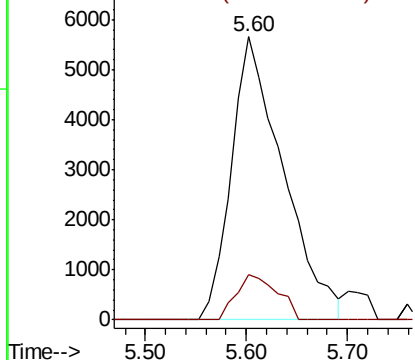
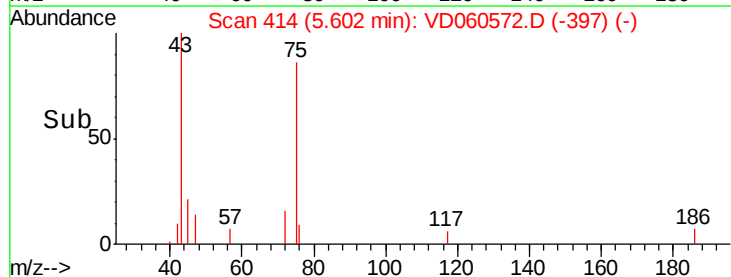


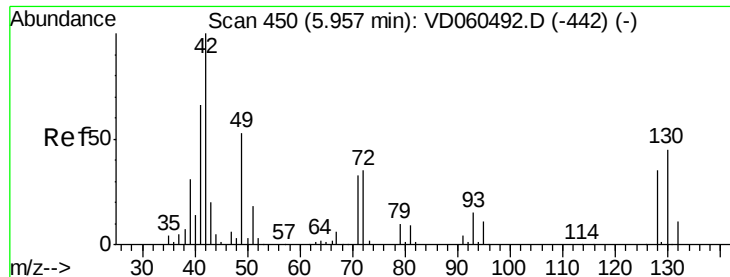
#25
2-Butanone
Concen: 7.730 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.03 min
Lab File: VD060572.D
Acq: 14 Dec 2018 14:41

Tgt Ion:	43	Resp:	20135
Ion	Ratio	Lower	Upper
43	100		
72	16.1	14.6	21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

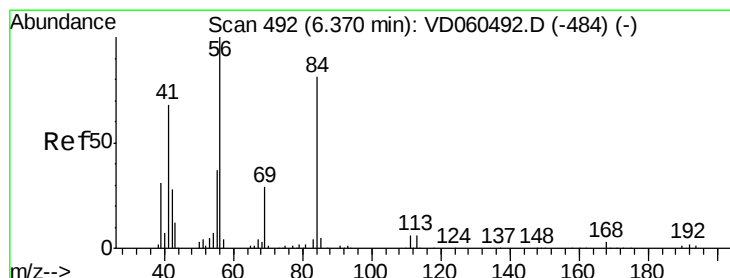
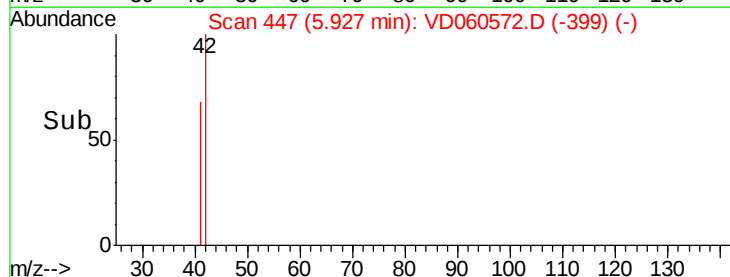
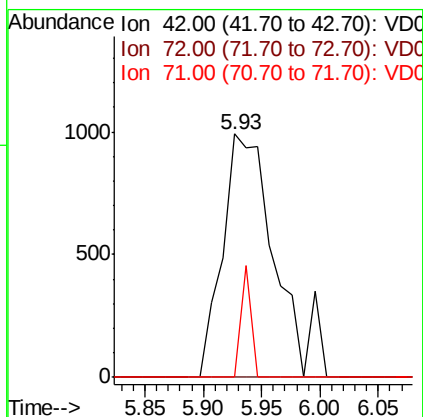
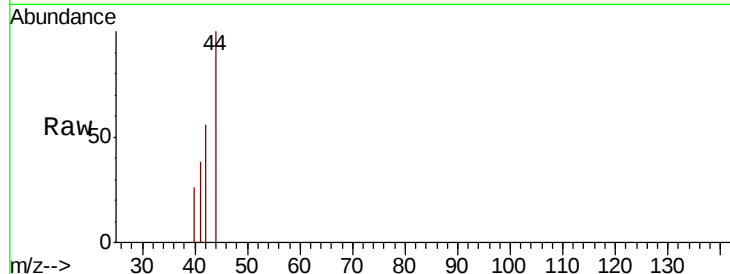




#29
Tetrahydrofuran
Concen: 2.104 ug/l
RT: 5.93 min Scan# 447
Delta R.T. -0.03 min
Lab File: VD060572.D
Acq: 14 Dec 2018 14:41

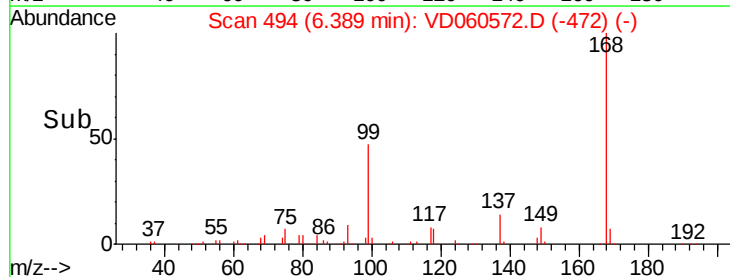
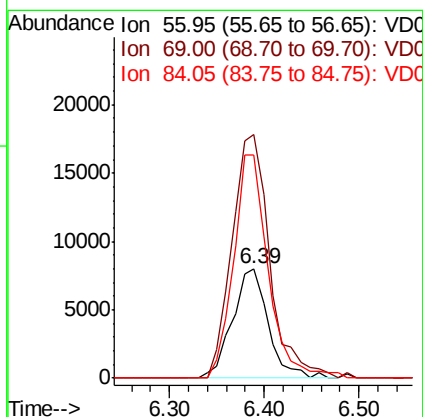
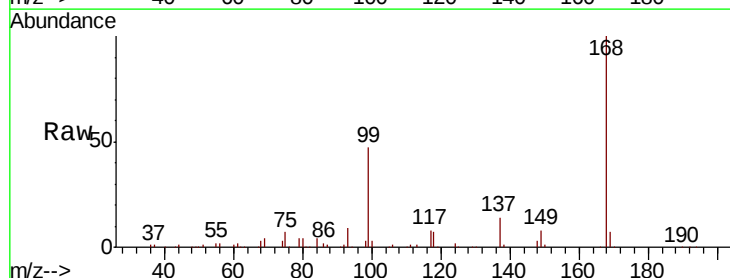
Instrument :
MSVOA_D
ClientSampled :

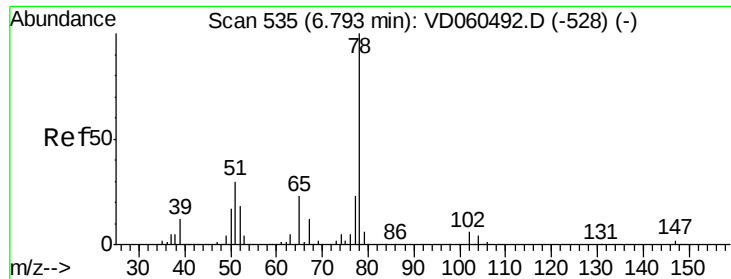
Tot Ion: 42 Resp: 3103
Ion Ratio Lower Upper
42 100
72 0.0 28.0 42.0#
71 8.6 27.2 40.8#



#31
Cyclohexane
Concen: Below Cal
RT: 6.39 min Scan# 494
Delta R.T. 0.02 min
Lab File: VD060572.D
Acq: 14 Dec 2018 14:41

Tgt Ion: 56 Resp: 20899
Ion Ratio Lower Upper
56 100
69 222.2 22.8 34.2#
84 203.3 65.1 97.7#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.03 min

Lab File: VD060572.D

Acq: 14 Dec 2018 14:41

Instrument :

MSVOA_D

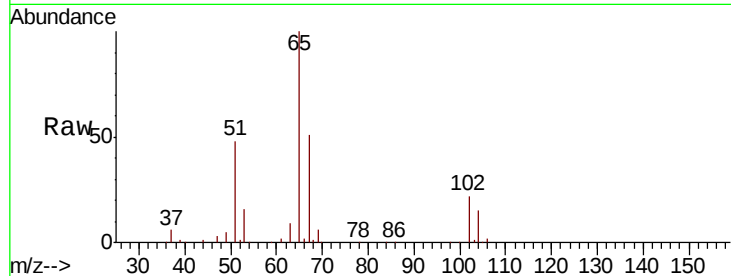
ClientSampleId :

Tot Ion: 65 Resp: 492502

Ion Ratio Lower Upper

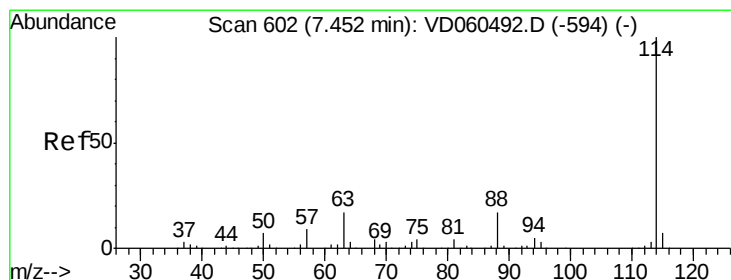
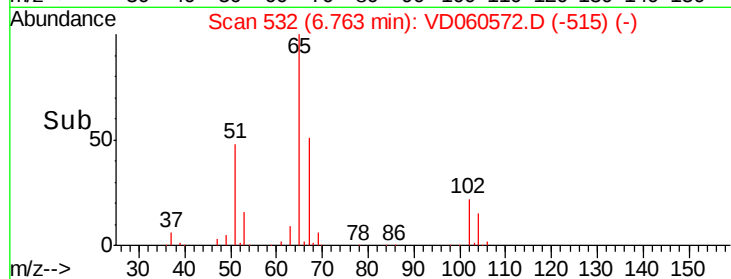
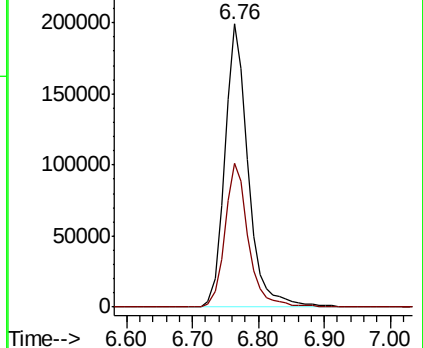
65 100

67 50.7 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: 7.42 min Scan# 599

Delta R.T. -0.03 min

Lab File: VD060572.D

Acq: 14 Dec 2018 14:41

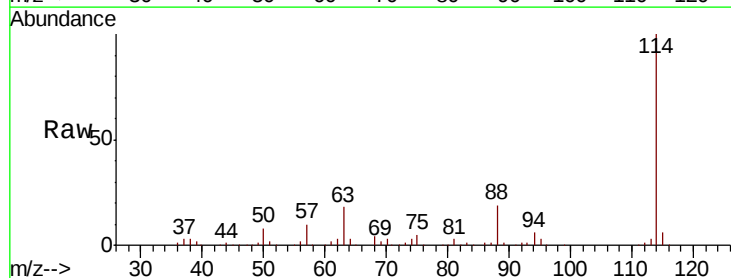
Tgt Ion:114 Resp: 1576990

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.2

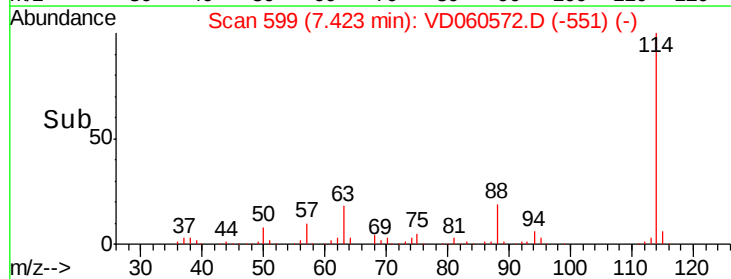
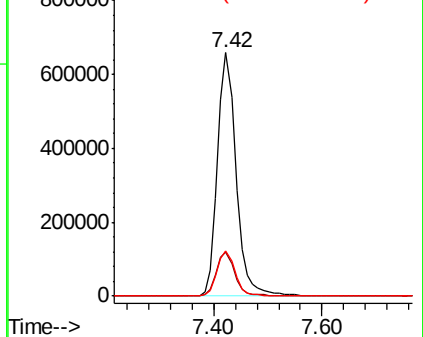
88 18.6 0.0 35.0

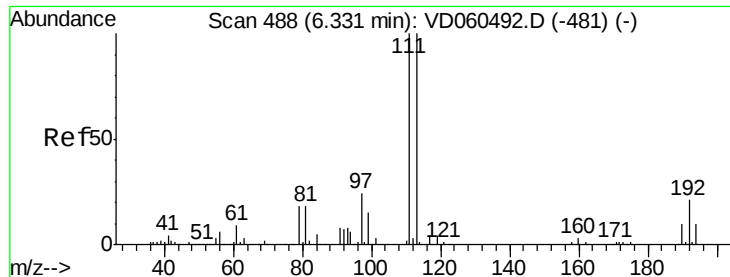


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

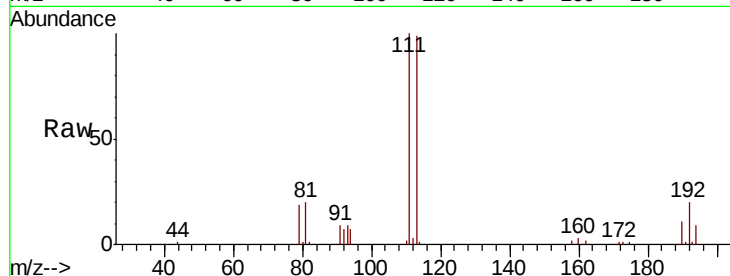




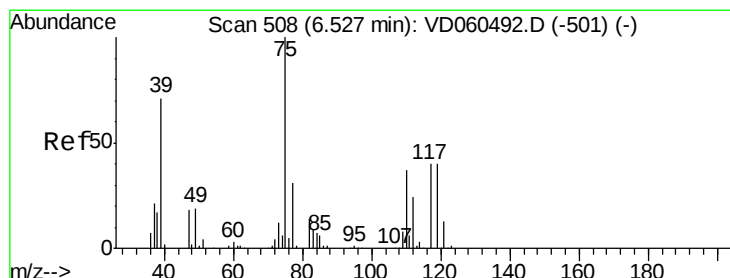
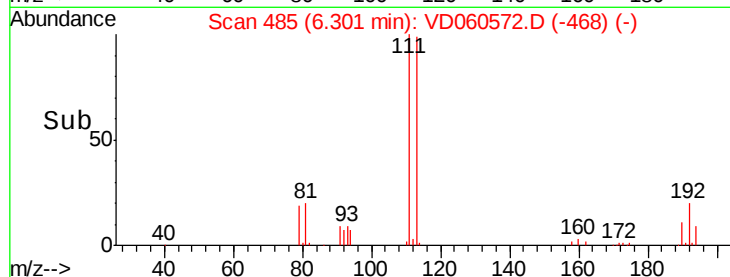
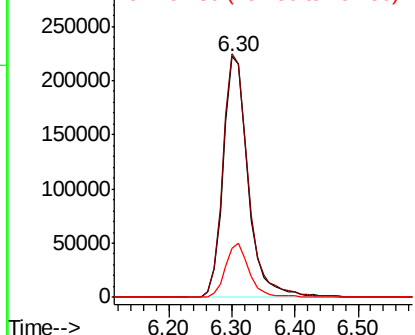
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.03 min
 Lab File: VD060572.D
 Acq: 14 Dec 2018 14:41

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 611323
 Ion Ratio Lower Upper
 113 100
 111 101.2 80.2 120.4
 192 20.3 16.6 24.8

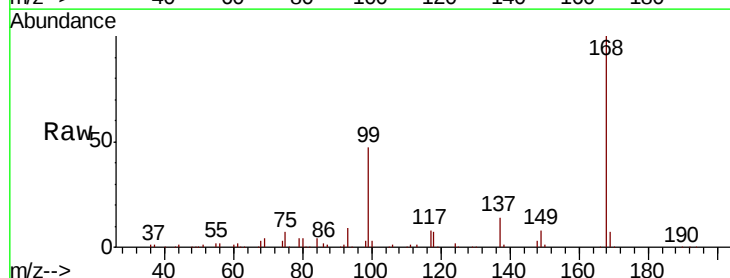


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

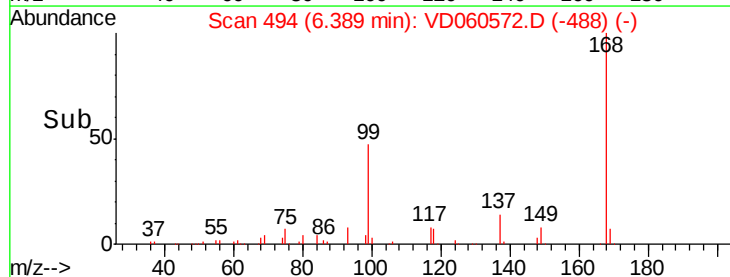
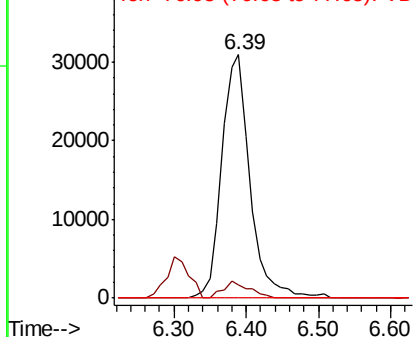


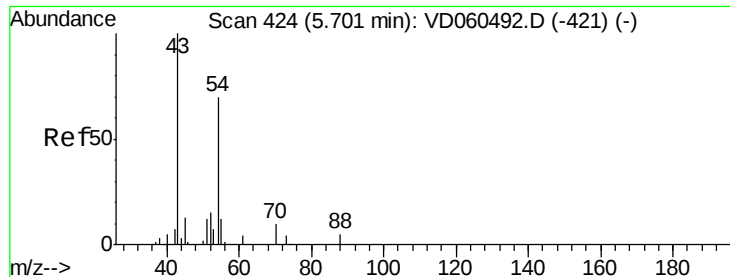
#36
 1,1-Dichloropropene
 Concen: 5.436 ug/l
 RT: 6.39 min Scan# 494
 Delta R.T. -0.14 min
 Lab File: VD060572.D
 Acq: 14 Dec 2018 14:41

Tgt Ion: 75 Resp: 83788
 Ion Ratio Lower Upper
 75 100
 110 5.5 18.3 54.8#
 77 0.0 24.6 37.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 3.012 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.10 min

Lab File: VD060572.D

Acq: 14 Dec 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :

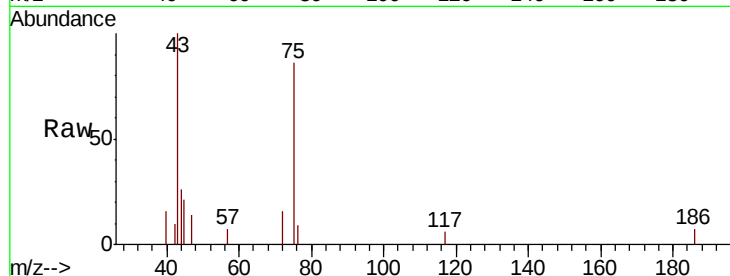
Tot Ion: 43 Resp: 20135

Ion Ratio Lower Upper

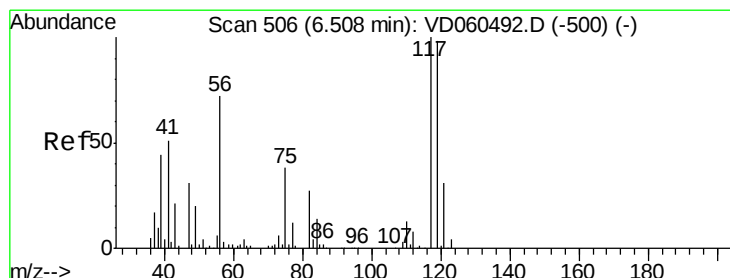
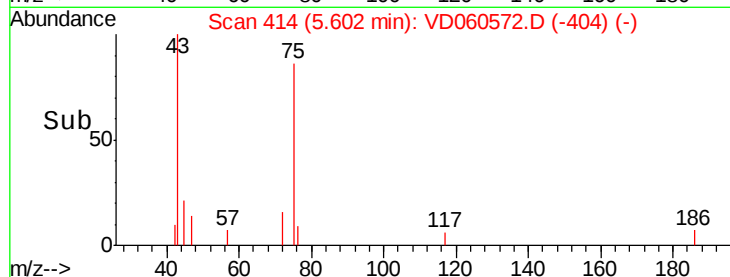
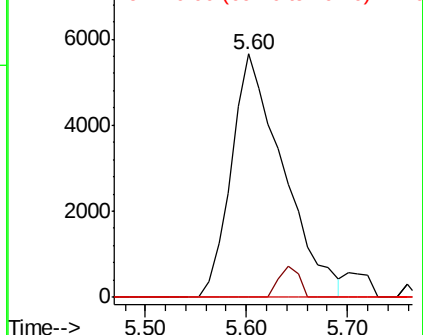
43 100

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: 6.421 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.12 min

Lab File: VD060572.D

Acq: 14 Dec 2018 14:41

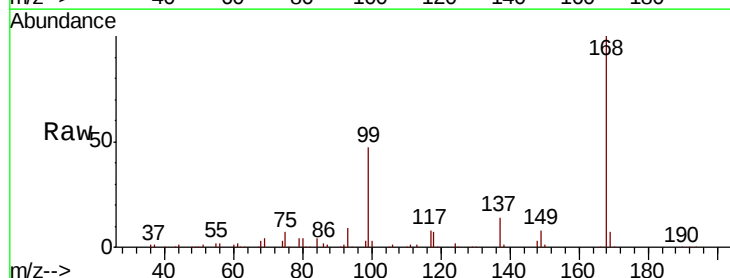
Tgt Ion: 117 Resp: 88858

Ion Ratio Lower Upper

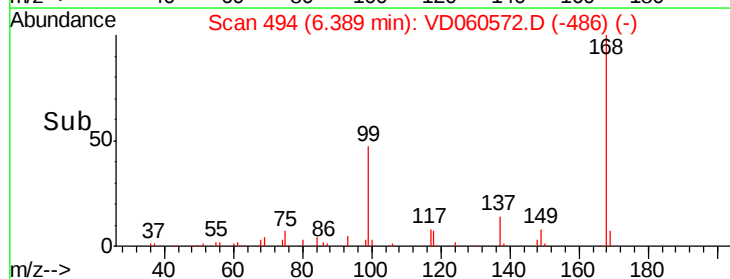
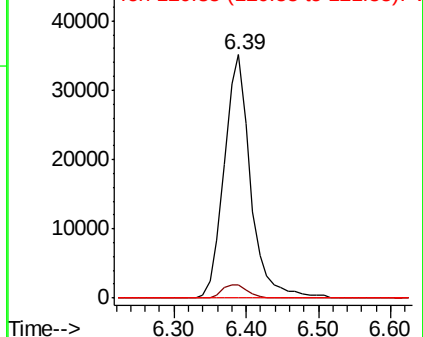
117 100

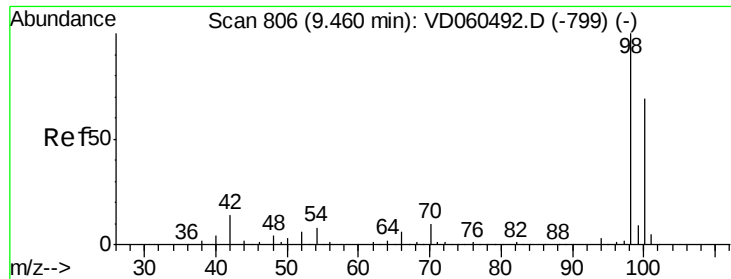
119 5.4 76.8 115.2#

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

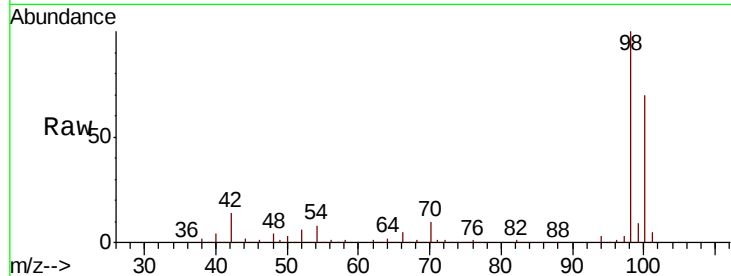




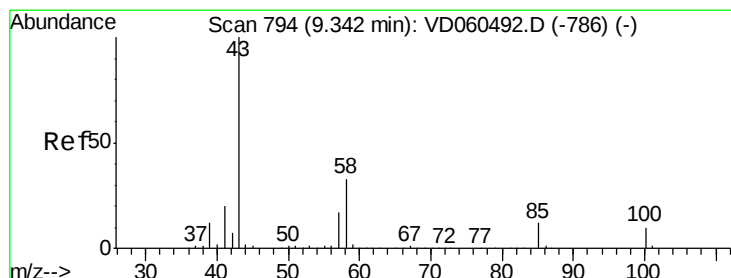
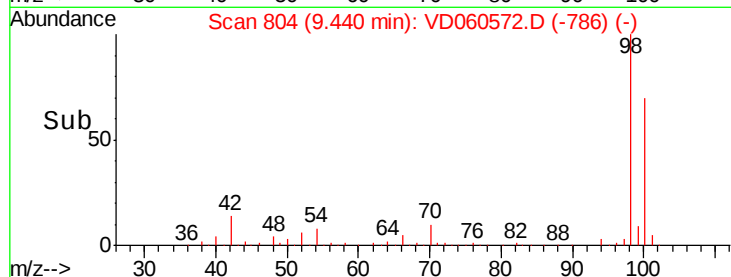
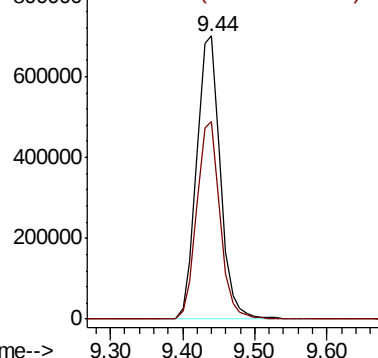
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.02 min
Lab File: VD060572.D
Acq: 14 Dec 2018 14:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 1589946
Ion Ratio Lower Upper
98 100
100 69.9 55.7 83.5

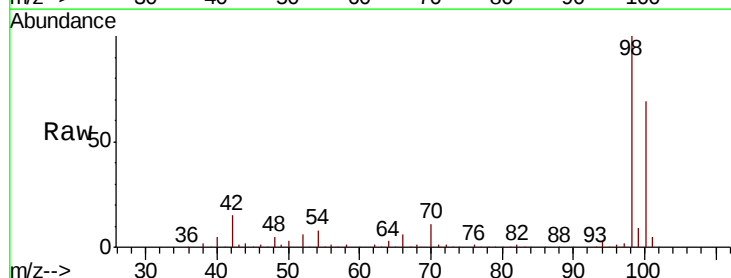


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

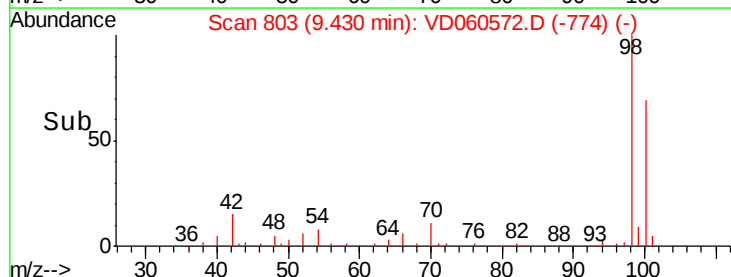
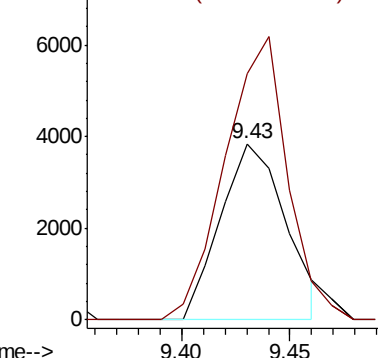


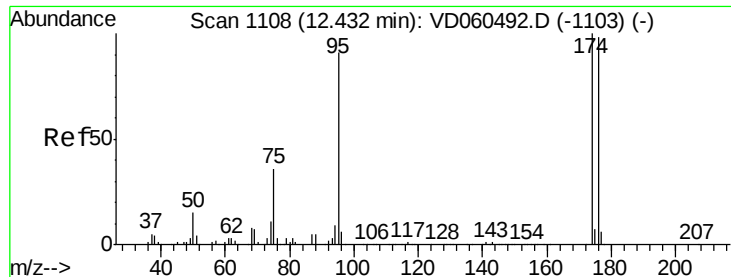
#51
4-Methyl-2-Pentanone
Concen: 1.573 ug/l
RT: 9.43 min Scan# 803
Delta R.T. 0.09 min
Lab File: VD060572.D
Acq: 14 Dec 2018 14:41

Tgt Ion: 43 Resp: 8077
Ion Ratio Lower Upper
43 100
58 140.0 26.3 39.5#



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

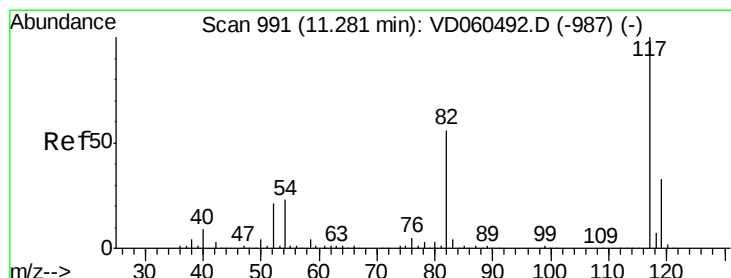
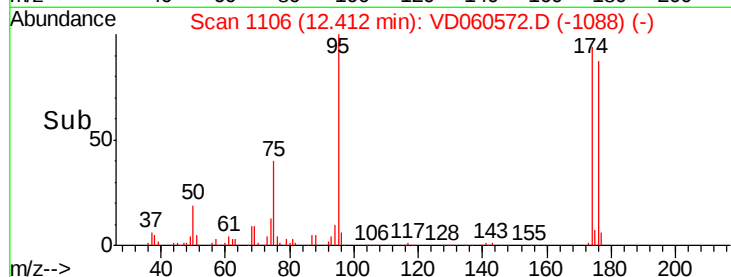
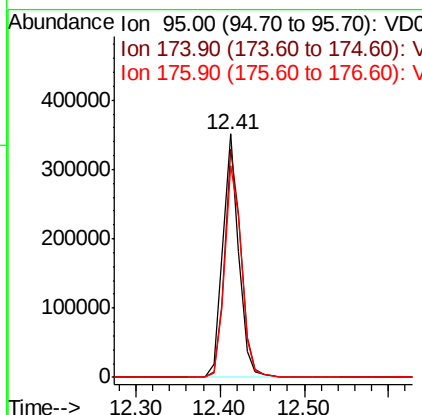
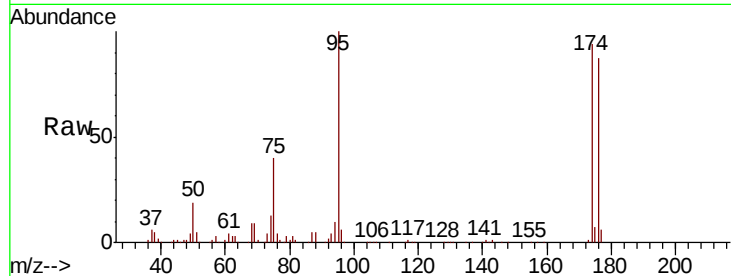




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.41 min Scan# 1106
Delta R.T. -0.02 min
Lab File: VD060572.D
Acq: 14 Dec 2018 14:41

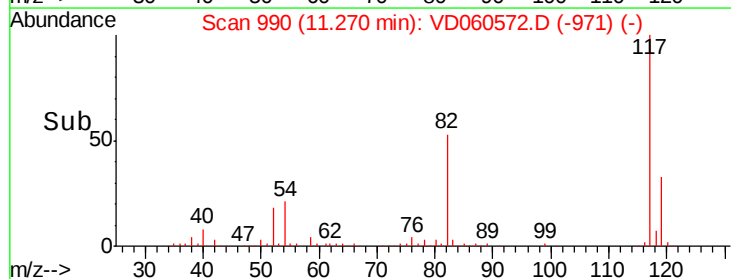
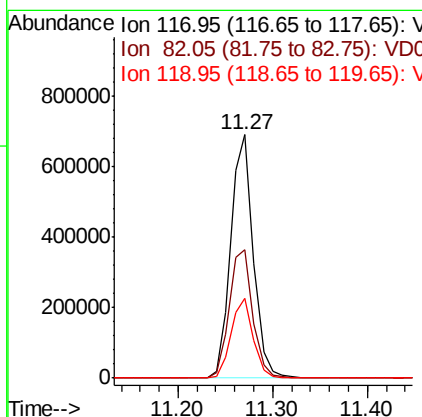
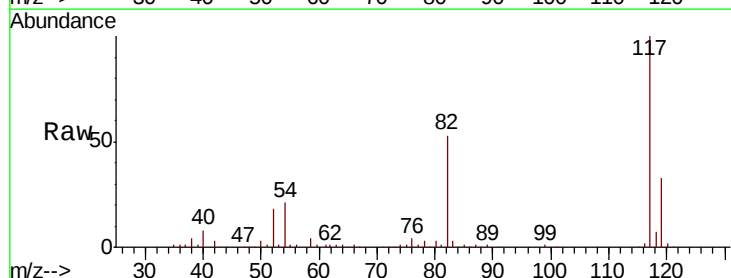
Instrument :
MSVOA_D
ClientSampleId :

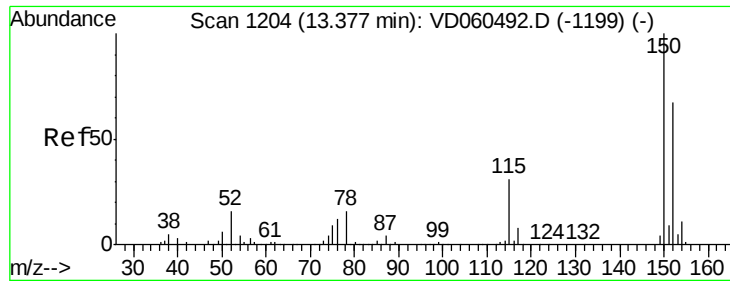
Tot Ion: 95 Resp: 459722
Ion Ratio Lower Upper
95 100
174 93.9 0.0 219.4
176 87.1 0.0 214.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.01 min
Lab File: VD060572.D
Acq: 14 Dec 2018 14:41

Tgt Ion: 117 Resp: 1137759
Ion Ratio Lower Upper
117 100
82 52.7 45.2 67.8
119 32.7 26.1 39.1



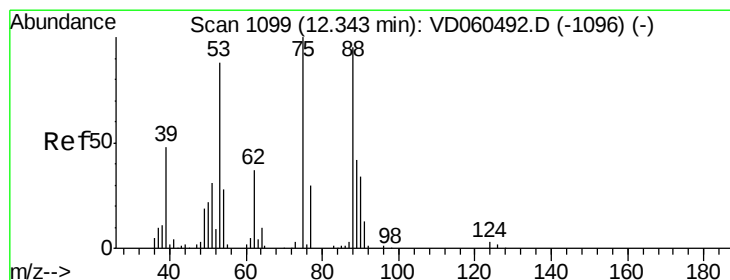
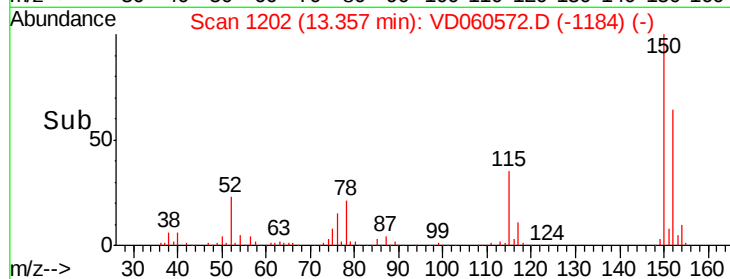
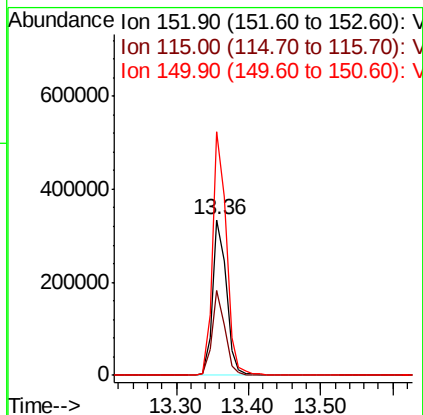
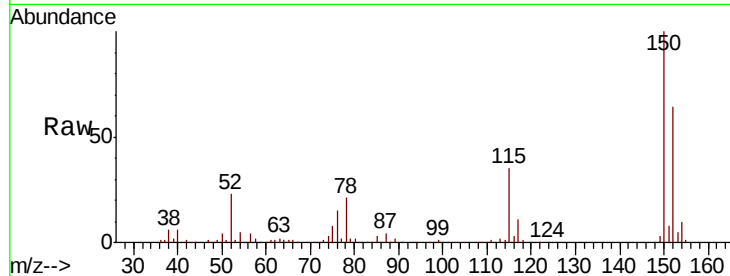


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1202
Delta R.T. -0.02 min
Lab File: VD060572.D
Acq: 14 Dec 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.8	24.6	74.0
150	156.2	0.0	309.0



#81

trans-1,4-Dichloro-2-butene
Concen: 135.651 ug/l
RT: 12.41 min Scan# 1106
Delta R.T. 0.07 min
Lab File: VD060572.D
Acq: 14 Dec 2018 14:41

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

