

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060830.D
 Acq On : 1 Feb 2019 20:22
 Operator : VA/AP
 Sample : K1362-02RE
 Misc : 3.36g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-03-005-ABCDRE

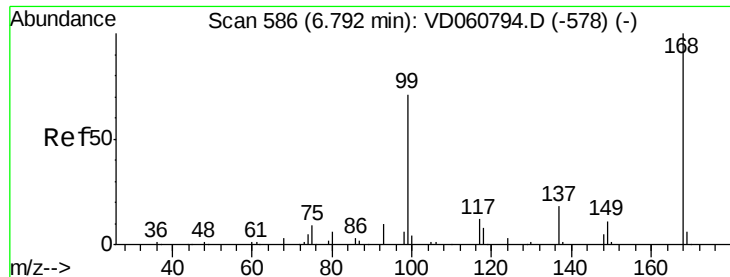
Quant Time: Feb 02 00:26:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.77	168	454124	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.95	114	651339	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.14	117	503287	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.31	152	254167	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.18	65	320500	46.03	ug/l	-0.03
Spiked Amount			Recovery	=	92.06%	
35) Dibromofluoromethane	6.65	113	240748	38.54	ug/l	-0.02
Spiked Amount			Recovery	=	77.08%	
50) Toluene-d8	10.15	98	528156	36.21	ug/l	-0.03
Spiked Amount			Recovery	=	72.42%	
62) 4-Bromofluorobenzene	13.33	95	269070	36.70	ug/l	-0.02
Spiked Amount			Recovery	=	73.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	5589	1.012	ug/l	96
3) Chloromethane	1.60	50	22425	6.784	ug/l #	69
11) Tert butyl alcohol	3.88	59	7964	23.937	ug/l #	69
16) Acetone	3.11	43	25041	24.903	ug/l	99
20) Methylene Chloride	3.66	84	5557	Below Cal	#	51
25) 2-Butanone	5.87	43	50035	38.875	ug/l #	73
26) 2,2-Dichloropropane	5.87	77	34798	3.517	ug/l #	61
29) Tetrahydrofuran	5.88	42	15256	24.683	ug/l #	46
31) Cyclohexane	6.76	56	15272	2.390	ug/l #	1
36) 1,1-Dichloropropene	6.76	75	50245	6.461	ug/l #	54
37) Ethyl Acetate	5.87	43	50825	14.640	ug/l #	18
38) Carbon Tetrachloride	6.76	117	56111	5.754	ug/l #	17
51) 4-Methyl-2-Pentanone	10.15	43	4327	1.476	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.33	75	148257	122.011	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.77 min Scan# 583

Delta R.T. -0.02 min

Lab File: VD060830.D

Acq: 1 Feb 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

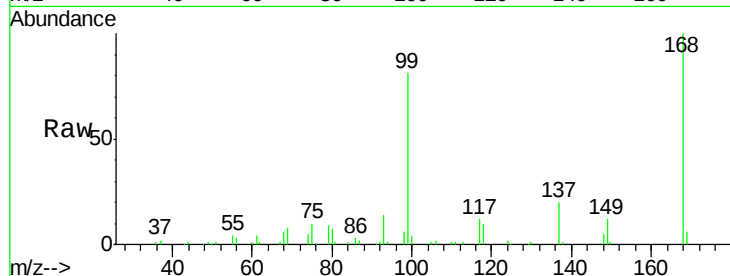
FK-BPM-03-005-ABCDRE

Tot Ion:168 Resp: 454124

Ion Ratio Lower Upper

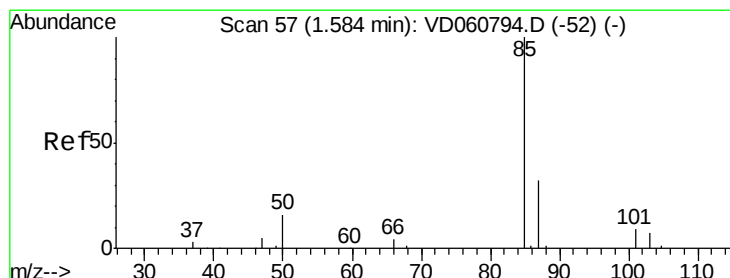
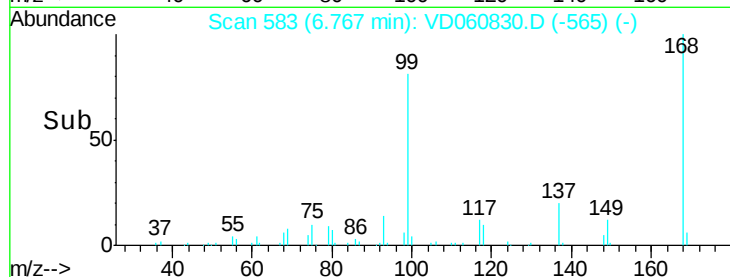
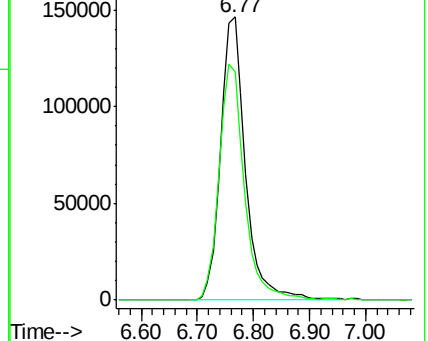
168 100

99 80.9 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 1.012 ug/l

RT: 1.61 min Scan# 59

Delta R.T. 0.02 min

Lab File: VD060830.D

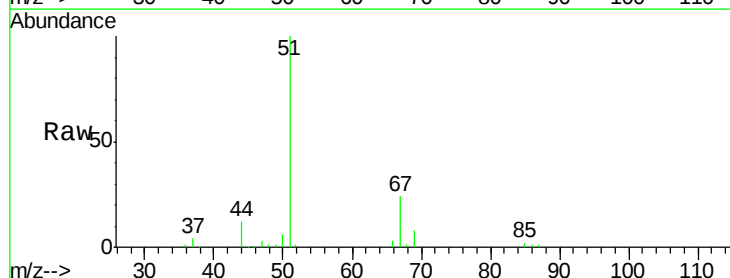
Acq: 1 Feb 2019 20:22

Tgt Ion: 85 Resp: 5589

Ion Ratio Lower Upper

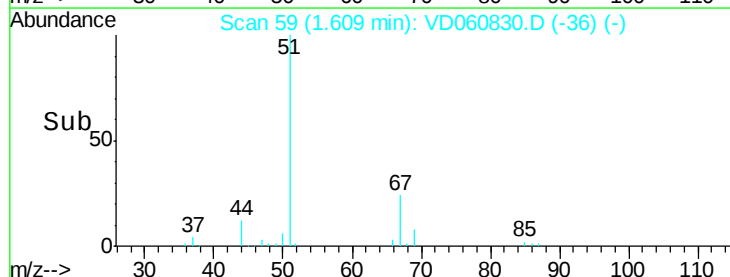
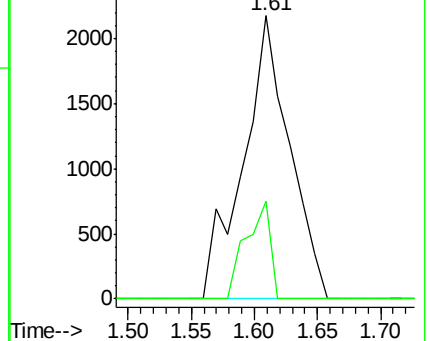
85 100

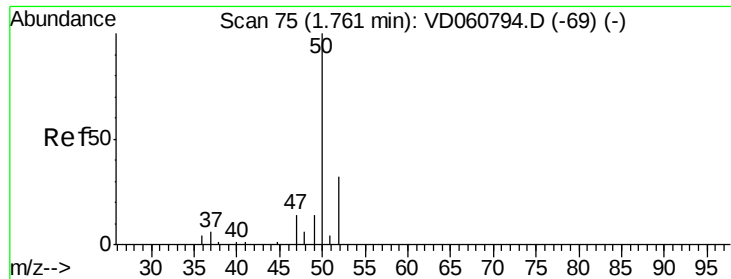
87 34.8 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 6.784 ug/l

RT: 1.60 min Scan# 58

Delta R.T. -0.16 min

Lab File: VD060830.D

Acq: 1 Feb 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

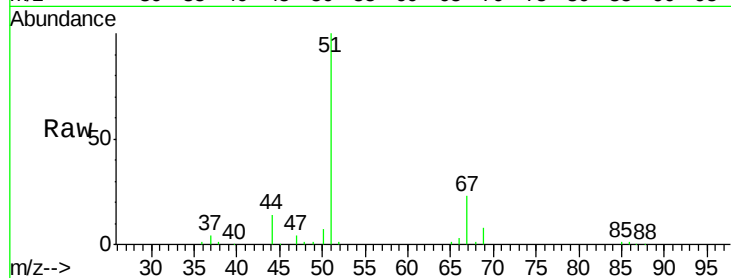
FK-BPM-03-005-ABCDRE

Tot Ion: 50 Resp: 22425

Ion Ratio Lower Upper

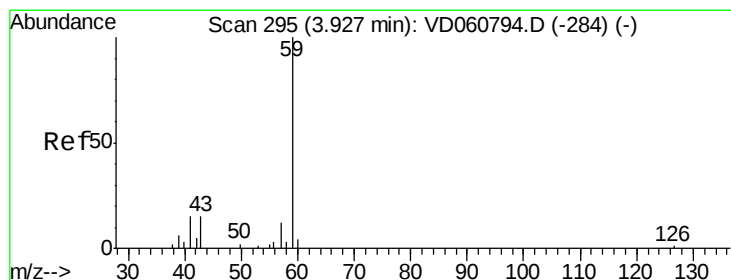
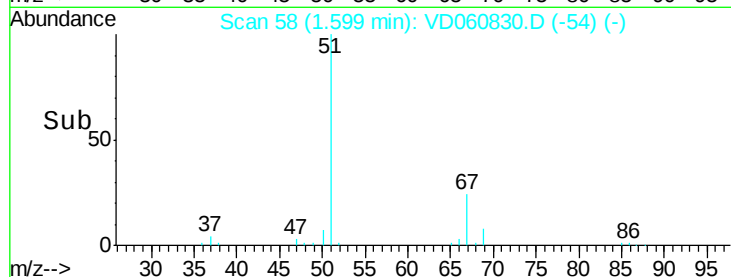
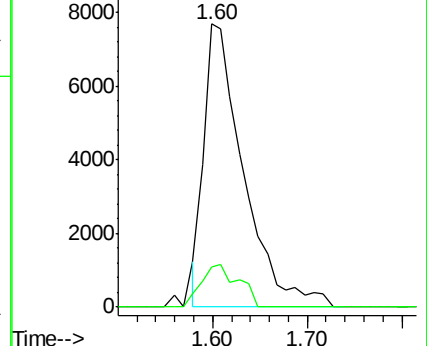
50 100

52 14.4 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#11

Tert butyl alcohol

Concen: 23.937 ug/l

RT: 3.88 min Scan# 290

Delta R.T. -0.04 min

Lab File: VD060830.D

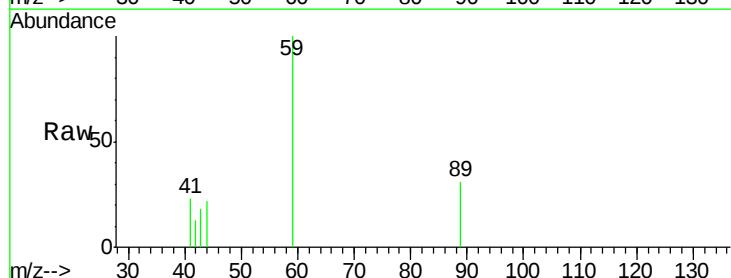
Acq: 1 Feb 2019 20:22

Tgt Ion: 59 Resp: 7964

Ion Ratio Lower Upper

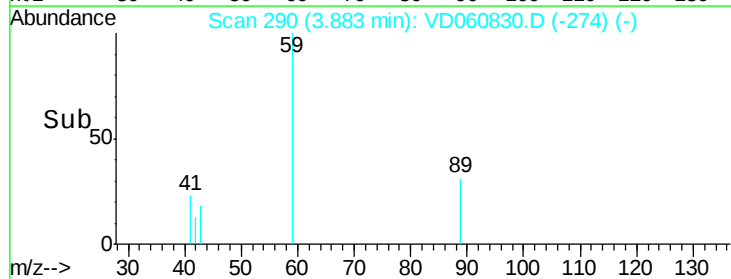
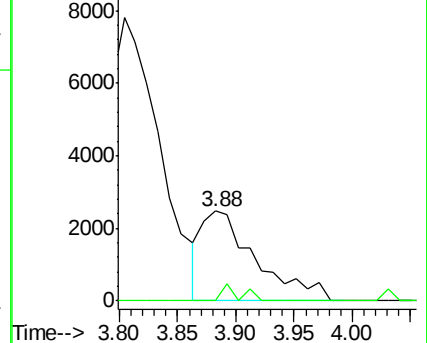
59 100

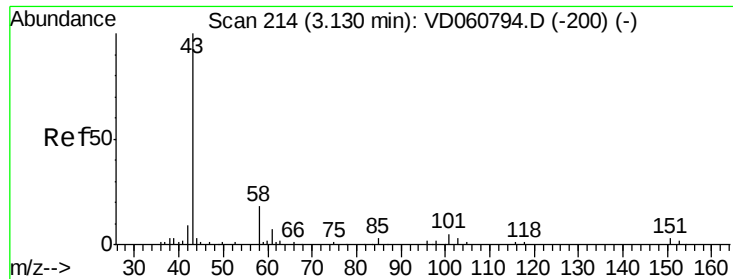
57 0.0 9.8 14.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

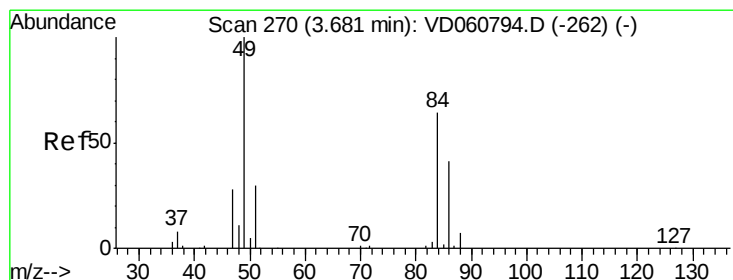
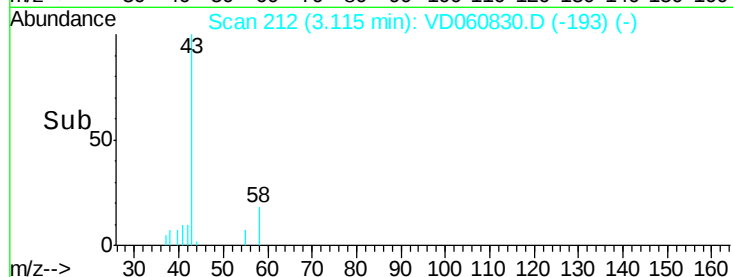
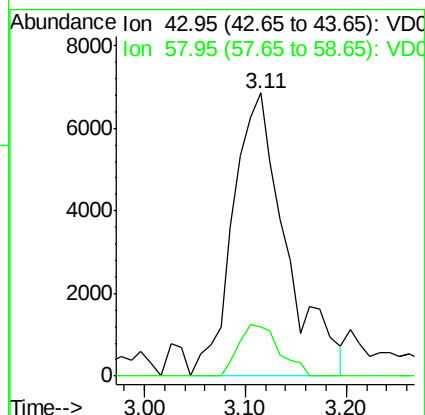
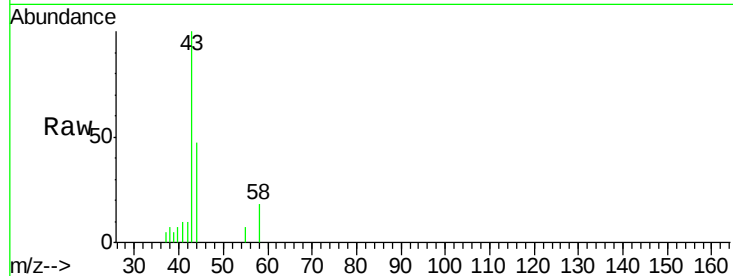




#16
Acetone
Concen: 24.903 ug/l
RT: 3.11 min Scan# 212
Delta R.T. -0.01 min
Lab File: VD060830.D
Acq: 1 Feb 2019 20:22

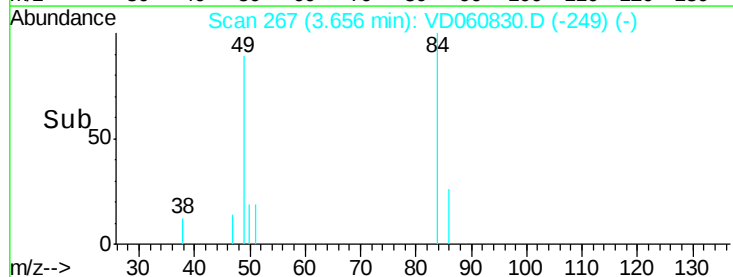
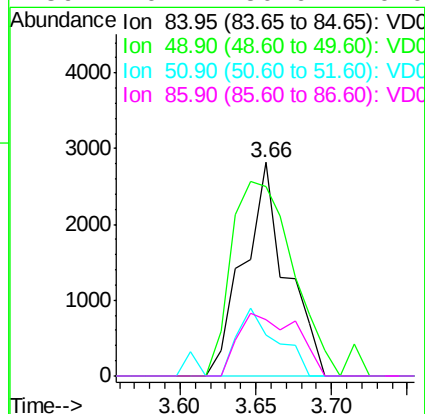
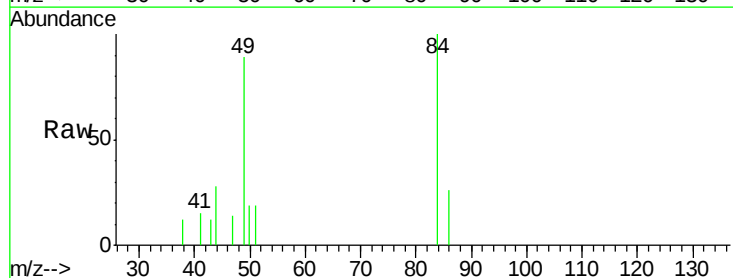
Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-03-005-ABCDRE

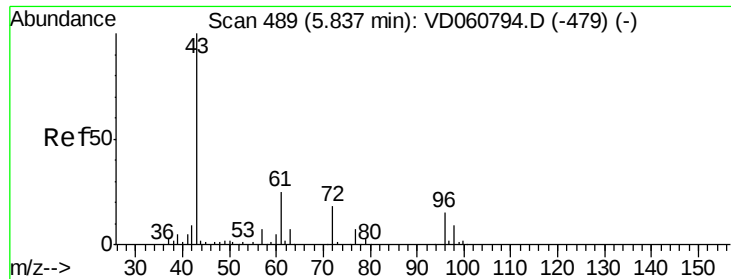
Tot Ion: 43 Resp: 25041
Ion Ratio Lower Upper
43 100
58 17.5 14.5 21.7



#20
Methylene Chloride
Concen: Below Cal
RT: 3.66 min Scan# 267
Delta R.T. -0.02 min
Lab File: VD060830.D
Acq: 1 Feb 2019 20:22

Tgt Ion: 84 Resp: 5557
Ion Ratio Lower Upper
84 100
49 88.8 124.2 186.2#
51 19.0 38.1 57.1#
86 26.1 50.6 76.0#

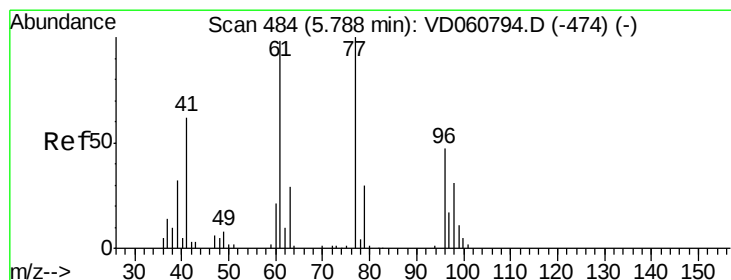
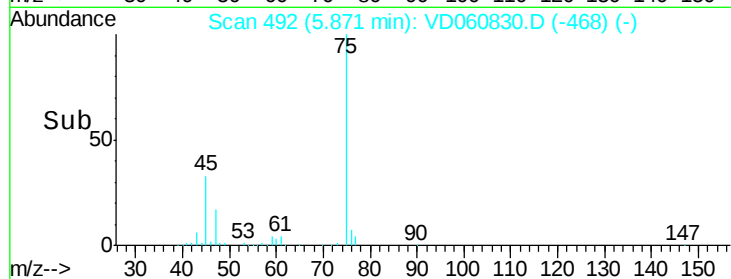
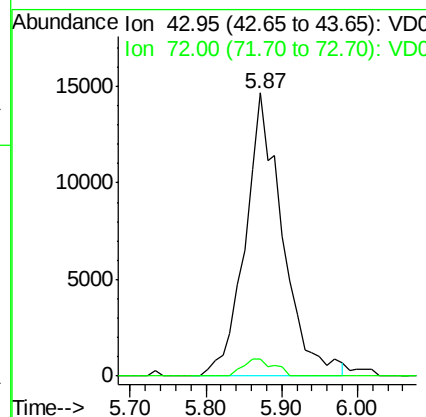
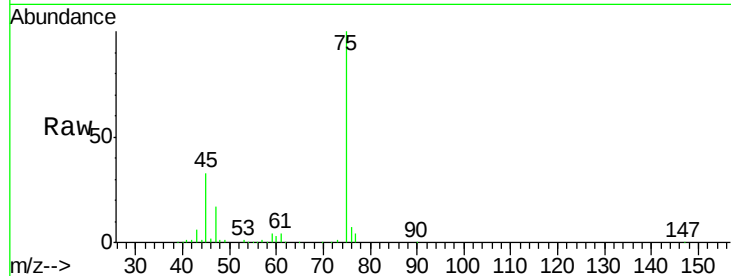




#25
 2-Butanone
 Concen: 38.875 ug/l
 RT: 5.87 min Scan# 492
 Delta R.T. 0.03 min
 Lab File: VD060830.D
 Acq: 1 Feb 2019 20:22

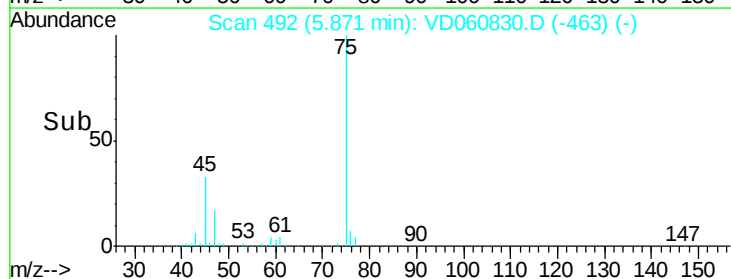
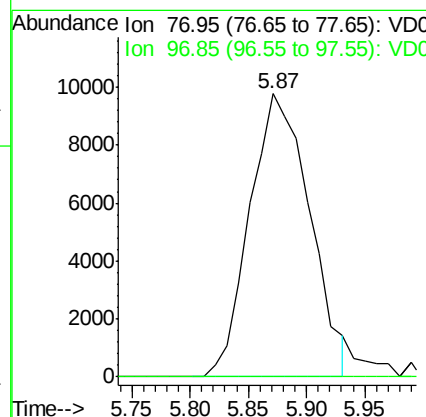
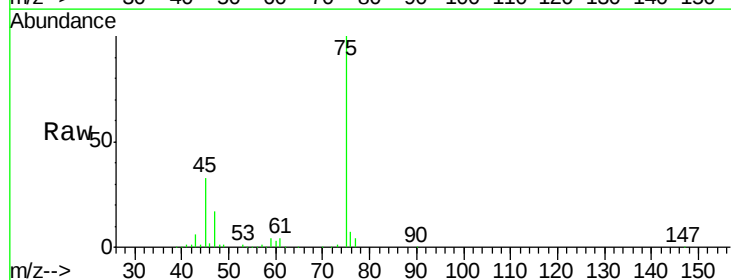
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-03-005-ABCDRE

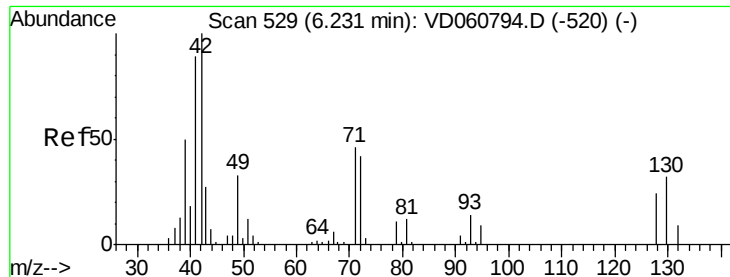
Tot Ion: 43 Resp: 50035
 Ion Ratio Lower Upper
 43 100
 72 6.1 14.4 21.6#



#26
 2,2-Dichloropropane
 Concen: 3.517 ug/l
 RT: 5.87 min Scan# 492
 Delta R.T. 0.08 min
 Lab File: VD060830.D
 Acq: 1 Feb 2019 20:22

Tgt Ion: 77 Resp: 34798
 Ion Ratio Lower Upper
 77 100
 97 0.0 8.3 24.9#

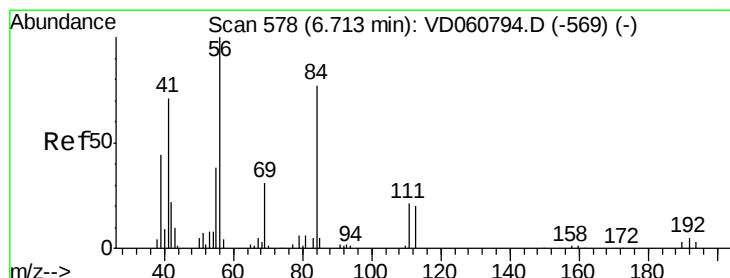
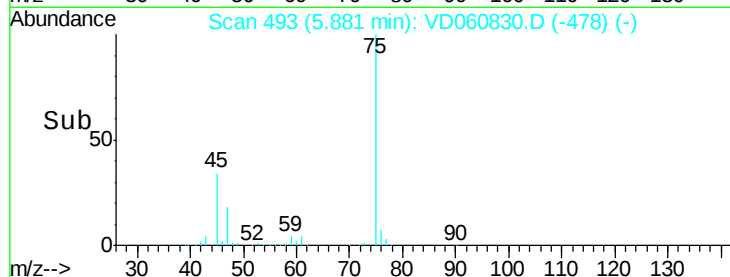
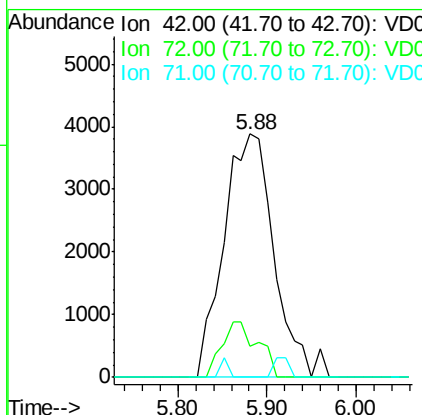
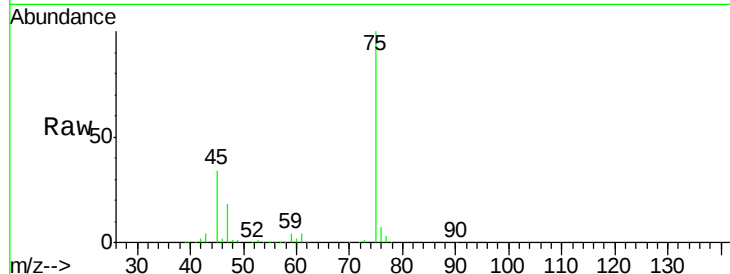




#29
Tetrahydrofuran
Concen: 24.683 ug/l
RT: 5.88 min Scan# 493
Delta R.T. -0.35 min
Lab File: VD060830.D
Acq: 1 Feb 2019 20:22

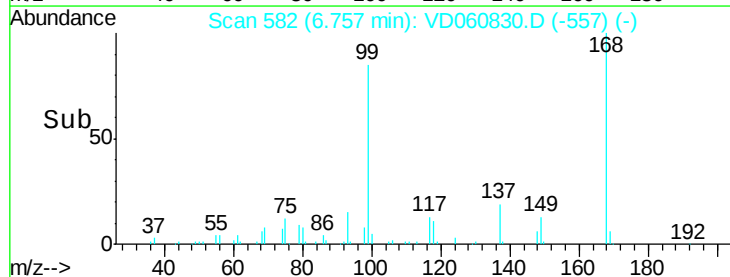
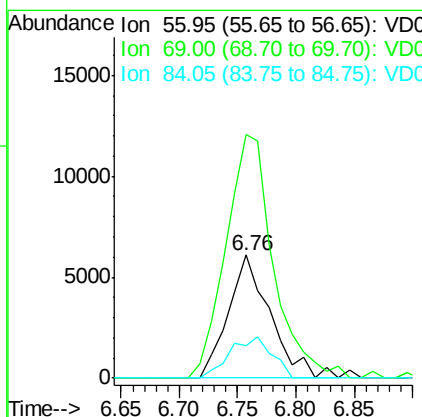
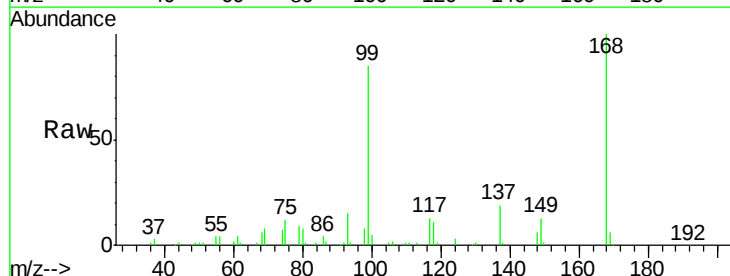
Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-03-005-ABCDRE

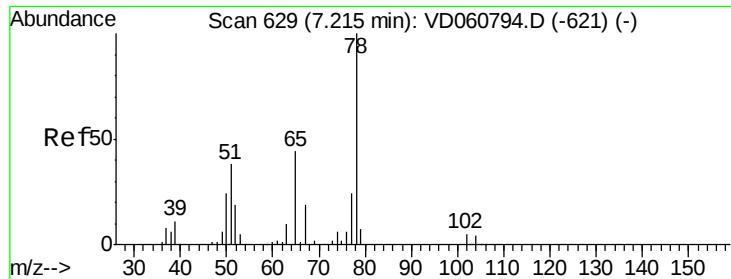
Tot Ion: 42 Resp: 15256
Ion Ratio Lower Upper
42 100
72 16.4 32.8 49.2#
71 0.0 34.6 52.0#



#31
Cyclohexane
Concen: 2.390 ug/l
RT: 6.76 min Scan# 582
Delta R.T. 0.04 min
Lab File: VD060830.D
Acq: 1 Feb 2019 20:22

Tgt Ion: 56 Resp: 15272
Ion Ratio Lower Upper
56 100
69 197.9 25.1 37.7#
84 26.9 63.9 95.9#

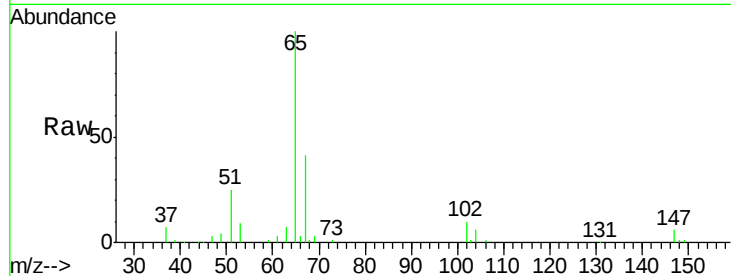




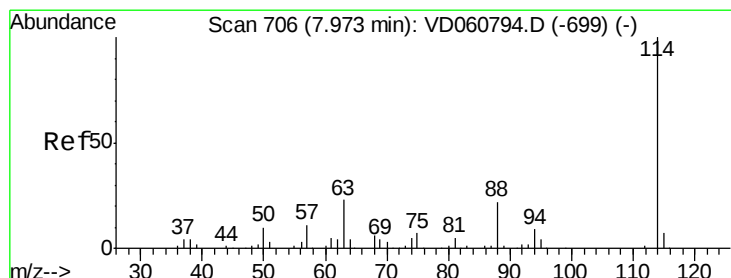
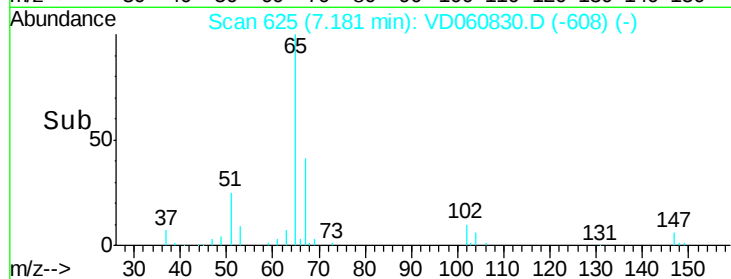
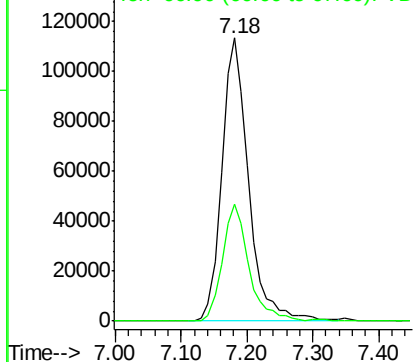
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.18 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: VD060830.D
 Acq: 1 Feb 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-03-005-ABCDRE

Tot Ion: 65 Resp: 320500
 Ion Ratio Lower Upper
 65 100
 67 41.5 0.0 85.8

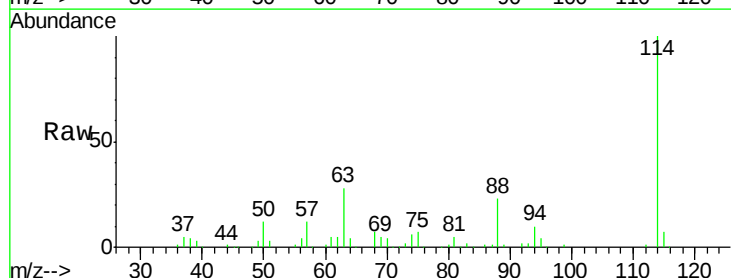


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

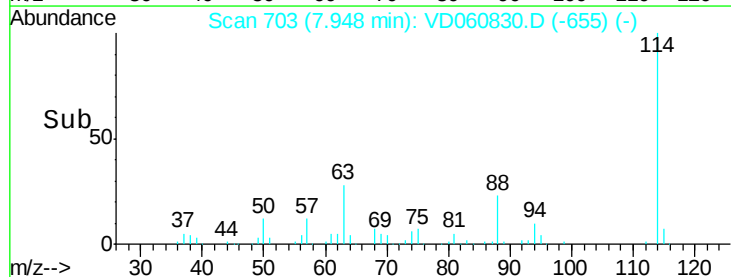
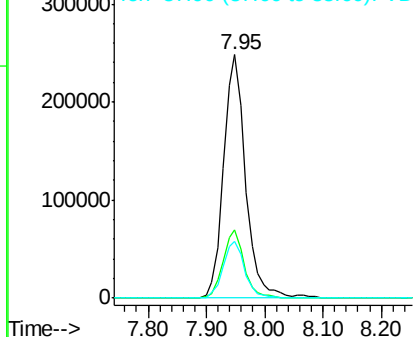


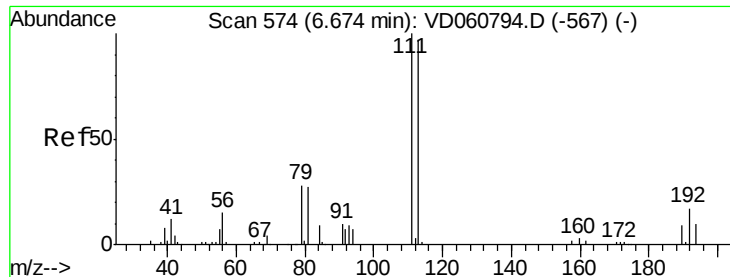
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 703
 Delta R.T. -0.02 min
 Lab File: VD060830.D
 Acq: 1 Feb 2019 20:22

Tgt Ion: 114 Resp: 651339
 Ion Ratio Lower Upper
 114 100
 63 27.9 0.0 46.6
 88 23.2 0.0 44.0



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

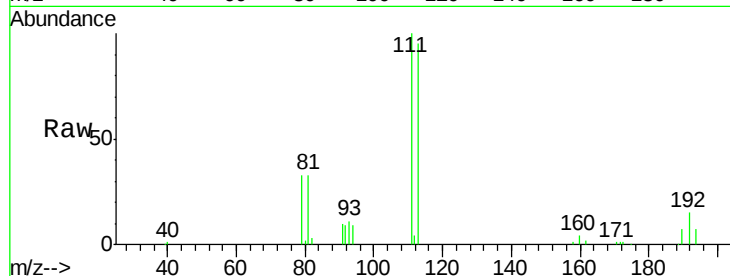




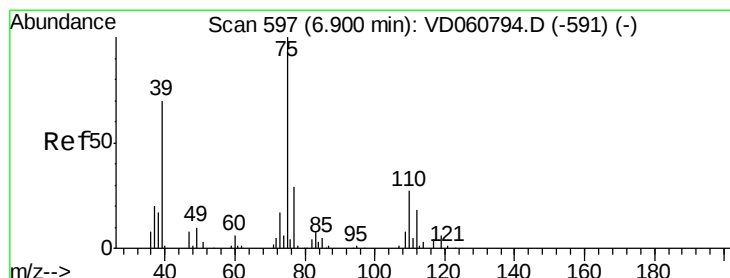
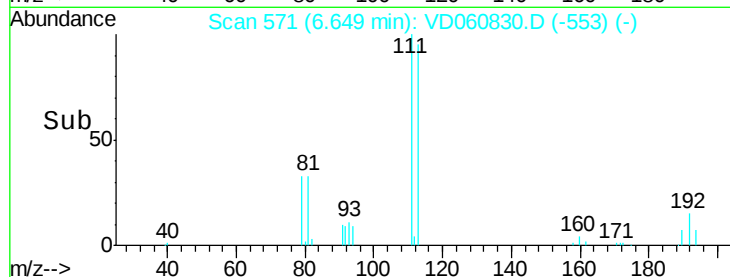
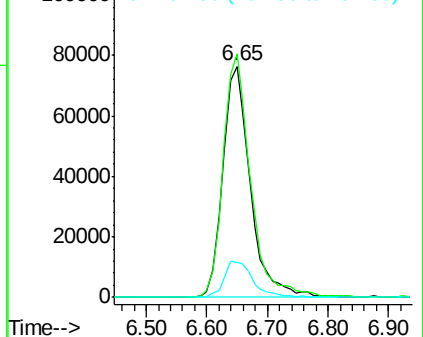
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.65 min Scan# 571
Delta R.T. -0.02 min
Lab File: VD060830.D
Acq: 1 Feb 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-03-005-ABCDRE

Tot Ion:113 Resp: 240748
Ion Ratio Lower Upper
113 100
111 105.3 82.3 123.5
192 15.3 14.4 21.6

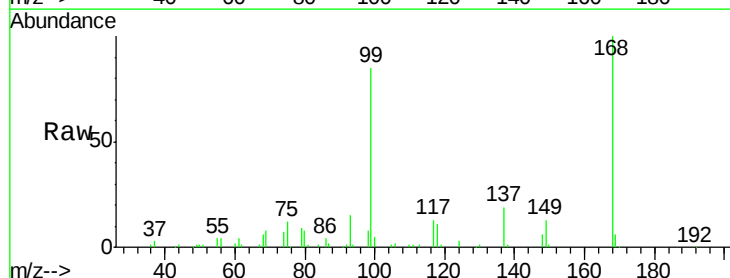


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

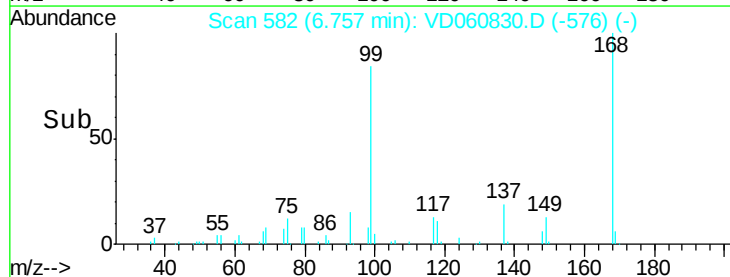
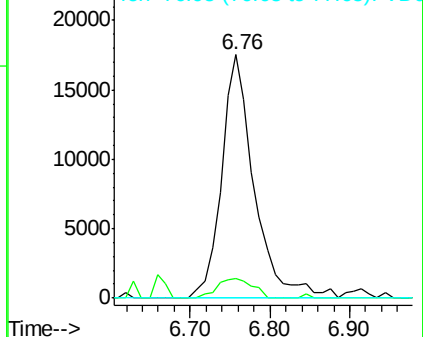


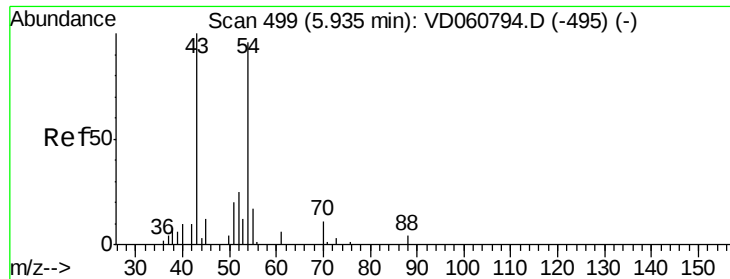
#36
1,1-Dichloropropene
Concen: 6.461 ug/l
RT: 6.76 min Scan# 582
Delta R.T. -0.14 min
Lab File: VD060830.D
Acq: 1 Feb 2019 20:22

Tgt Ion: 75 Resp: 50245
Ion Ratio Lower Upper
75 100
110 7.8 13.5 40.4#
77 0.0 23.4 35.2#



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

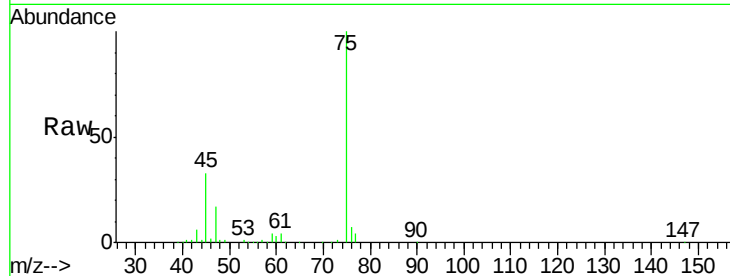




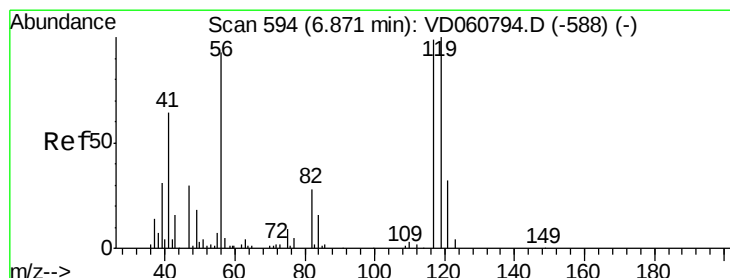
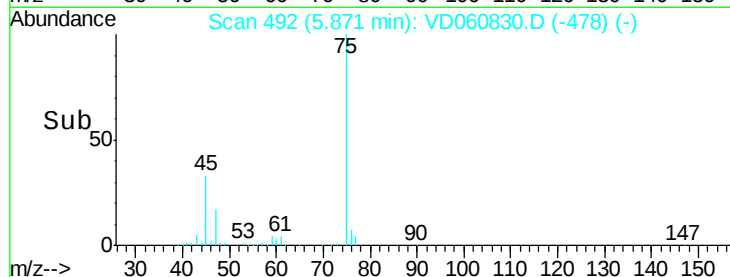
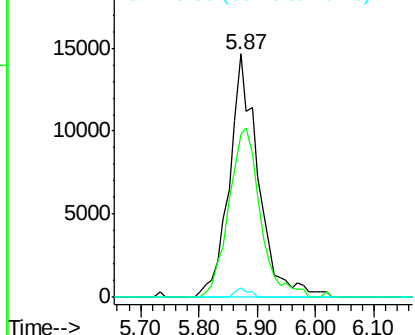
#37
Ethyl Acetate
Concen: 14.640 ug/l
RT: 5.87 min Scan# 492
Delta R.T. -0.06 min
Lab File: VD060830.D
Acq: 1 Feb 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-03-005-ABCDRE

Tot Ion: 43 Resp: 50825
Ion Ratio Lower Upper
43 100
61 66.7 12.3 18.5#
70 3.8 7.4 11.0#

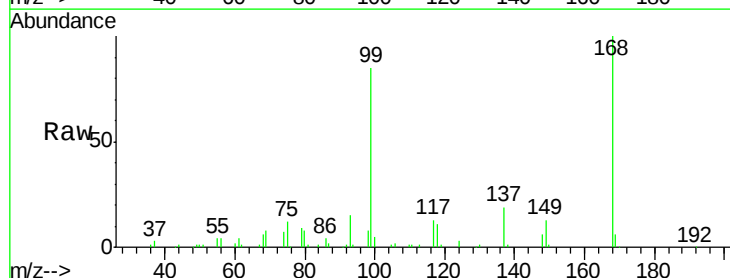


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

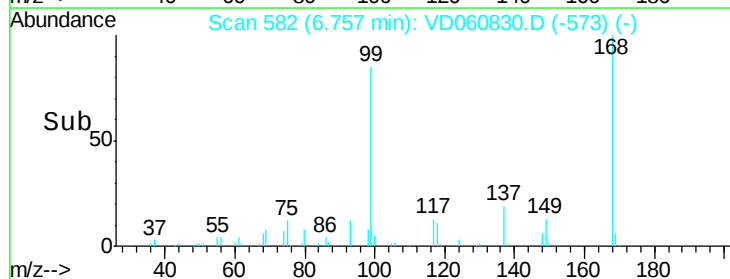
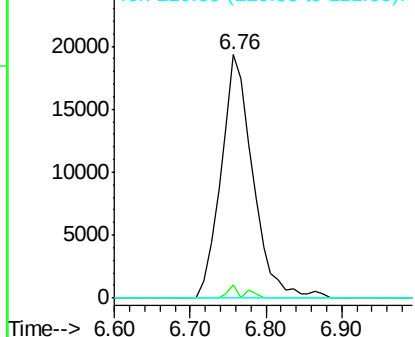


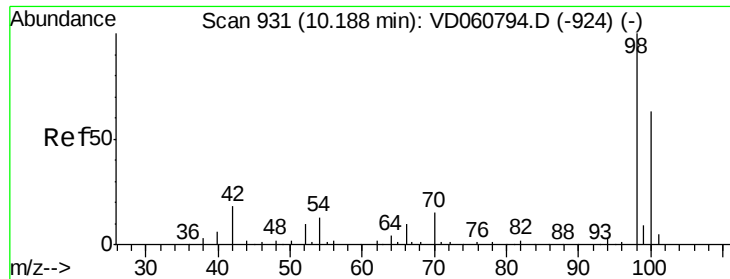
#38
Carbon Tetrachloride
Concen: 5.754 ug/l
RT: 6.76 min Scan# 582
Delta R.T. -0.11 min
Lab File: VD060830.D
Acq: 1 Feb 2019 20:22

Tgt Ion: 117 Resp: 56111
Ion Ratio Lower Upper
117 100
119 5.3 75.6 113.4#
121 0.0 23.4 35.2#



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

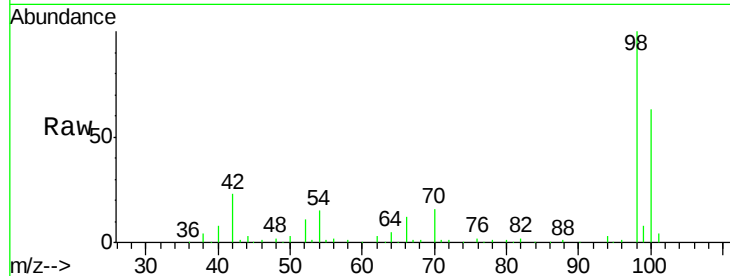




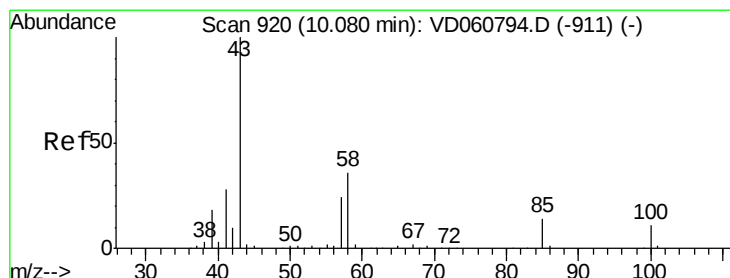
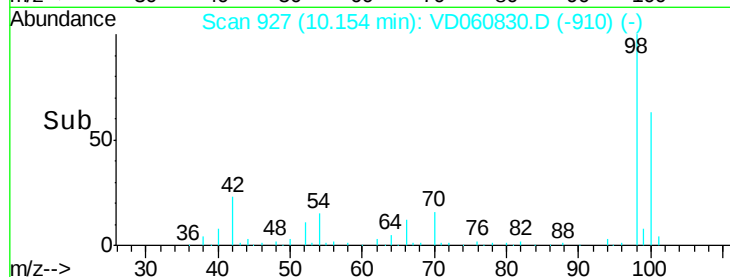
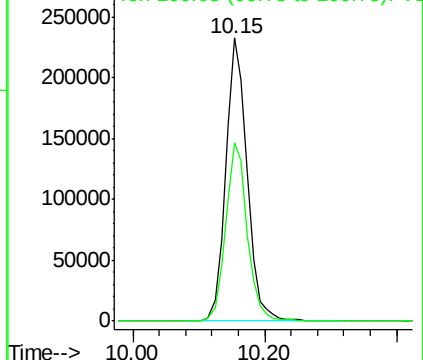
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.15 min Scan# 927
Delta R.T. -0.03 min
Lab File: VD060830.D
Acq: 1 Feb 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-03-005-ABCDRE

Tot Ion: 98 Resp: 528156
Ion Ratio Lower Upper
98 100
100 63.0 51.0 76.6

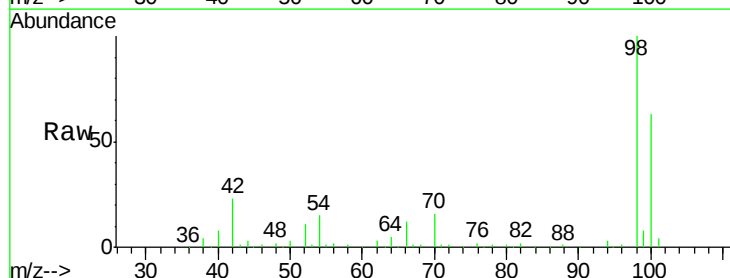


Abundance Ion 98.05 (97.75 to 98.75): VD060794.D (-924) (-)
Ion 100.05 (99.75 to 100.75): VD060794.D (-924) (-)

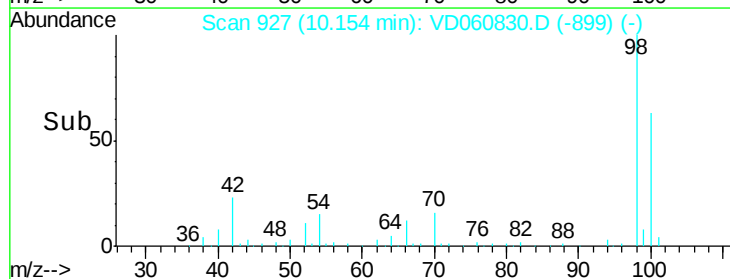
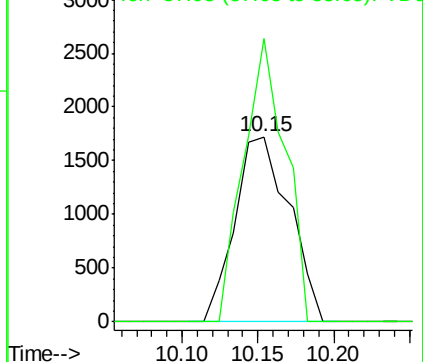


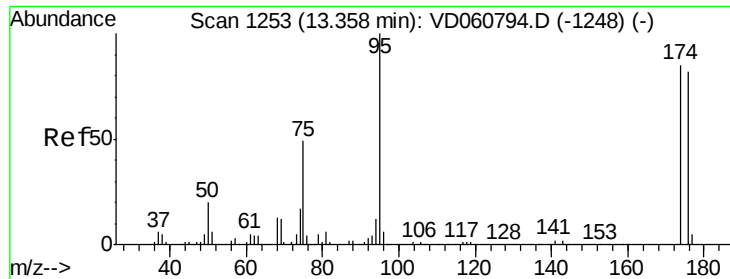
#51
4-Methyl-2-Pentanone
Concen: 1.476 ug/l
RT: 10.15 min Scan# 927
Delta R.T. 0.07 min
Lab File: VD060830.D
Acq: 1 Feb 2019 20:22

Tgt Ion: 43 Resp: 4327
Ion Ratio Lower Upper
43 100
58 153.1 28.4 42.6#



Abundance Ion 42.95 (42.65 to 43.65): VD060794.D (-911) (-)
Ion 57.95 (57.65 to 58.65): VD060794.D (-911) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.33 min Scan# 1250

Delta R.T. -0.02 min

Lab File: VD060830.D

Acq: 1 Feb 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-03-005-ABCDRE

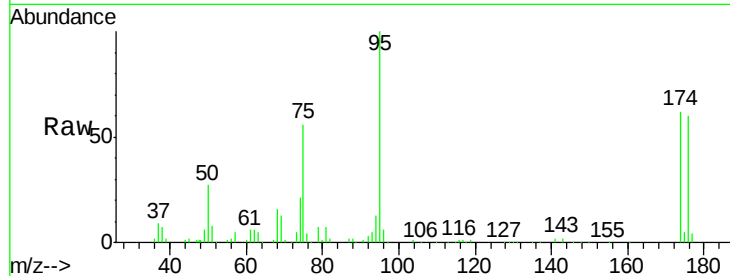
Tot Ion: 95 Resp: 269070

Ion Ratio Lower Upper

95 100

174 62.1 0.0 169.6

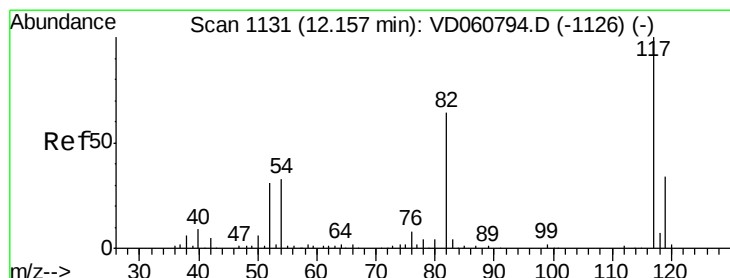
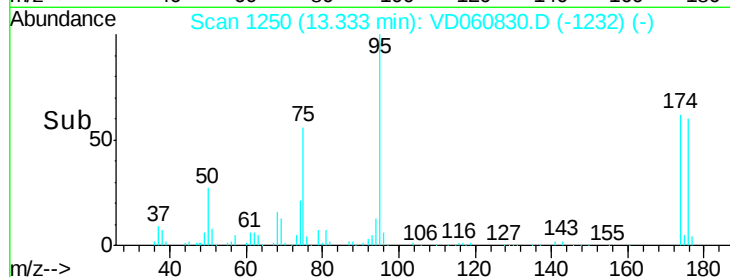
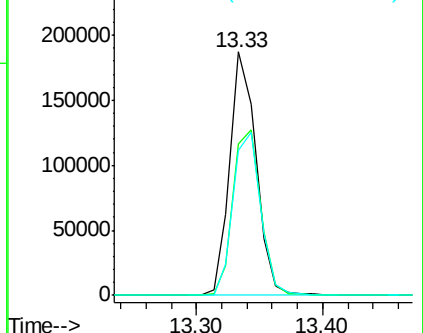
176 59.7 0.0 163.8



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: 12.14 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD060830.D

Acq: 1 Feb 2019 20:22

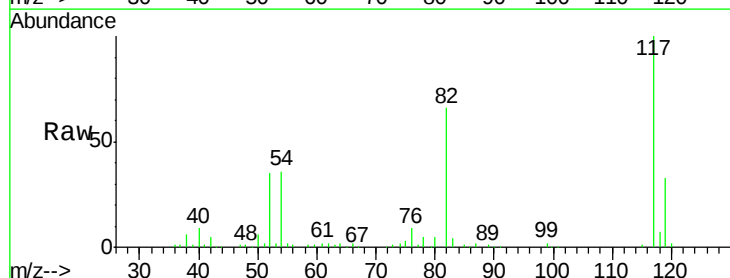
Tgt Ion: 117 Resp: 503287

Ion Ratio Lower Upper

117 100

82 65.9 51.5 77.3

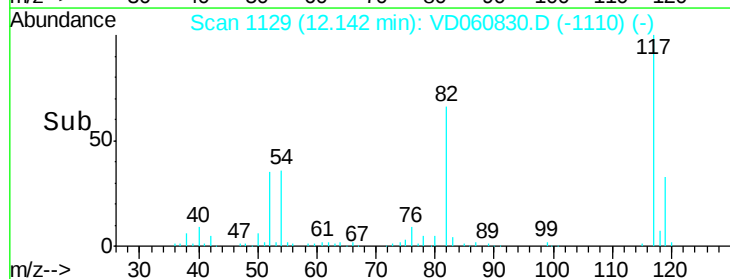
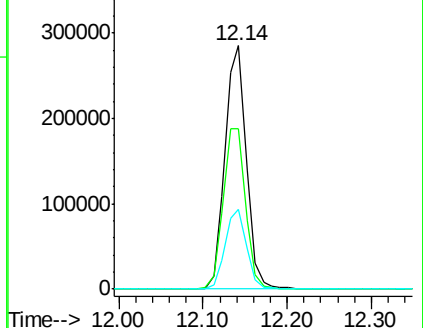
119 32.5 27.1 40.7

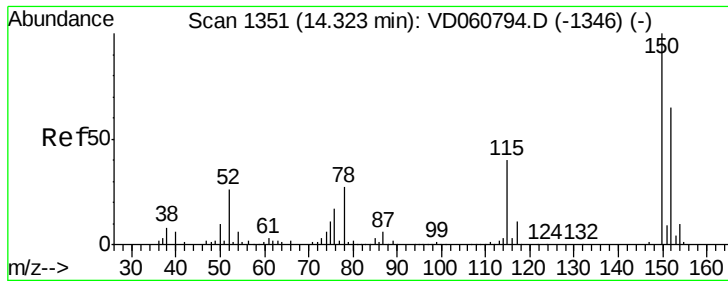


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



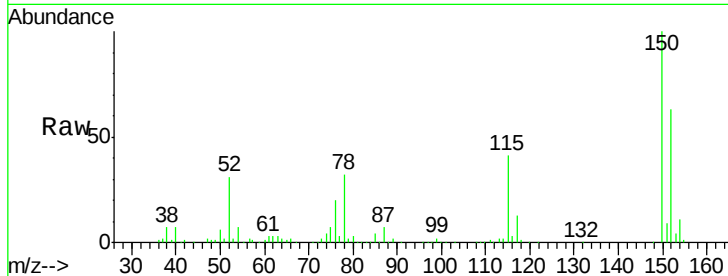


#72

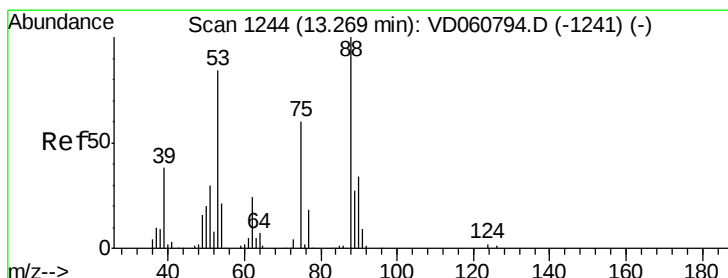
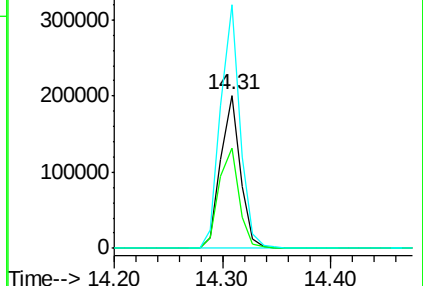
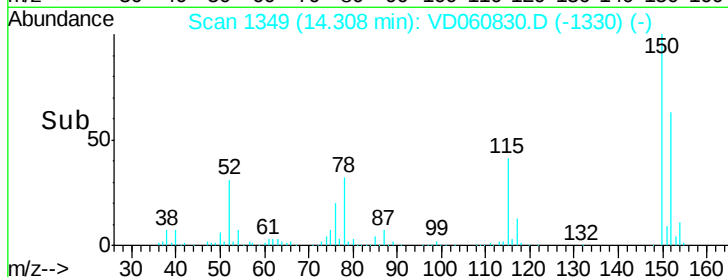
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.31 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VD060830.D
Acq: 1 Feb 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-03-005-ABCDRE

Tot Ion:152 Resp: 254167
Ion Ratio Lower Upper
152 100
115 65.7 31.6 95.0
150 159.3 0.0 317.6



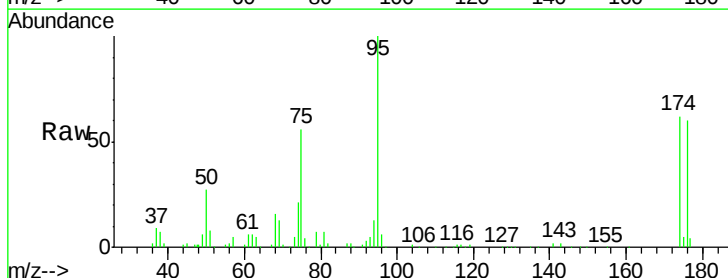
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 122.011 ug/l
RT: 13.33 min Scan# 1250
Delta R.T. 0.06 min
Lab File: VD060830.D
Acq: 1 Feb 2019 20:22

Tgt Ion: 75 Resp: 148257
Ion Ratio Lower Upper
75 100
53 0.0 111.6 167.4#
89 0.0 35.9 53.9#



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

