

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092818\
 Data File : VD060096.D
 Acq On : 28 Sep 2018 14:34
 Operator : VA/AP
 Sample : J5145-02
 Misc : 10.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-042

Quant Time: Sep 28 23:16:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	60183	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	94582	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	88473	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	47933	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	46152	98.34	ug/l	0.02
Spiked Amount			Recovery	=	196.68%	
35) Dibromofluoromethane	6.32	113	44453	60.16	ug/l	0.02
Spiked Amount			Recovery	=	120.32%	
50) Toluene-d8	9.45	98	116002	56.65	ug/l	0.01
Spiked Amount			Recovery	=	113.30%	
62) 4-Bromofluorobenzene	12.42	95	49959	63.86	ug/l	0.01
Spiked Amount			Recovery	=	127.72%	

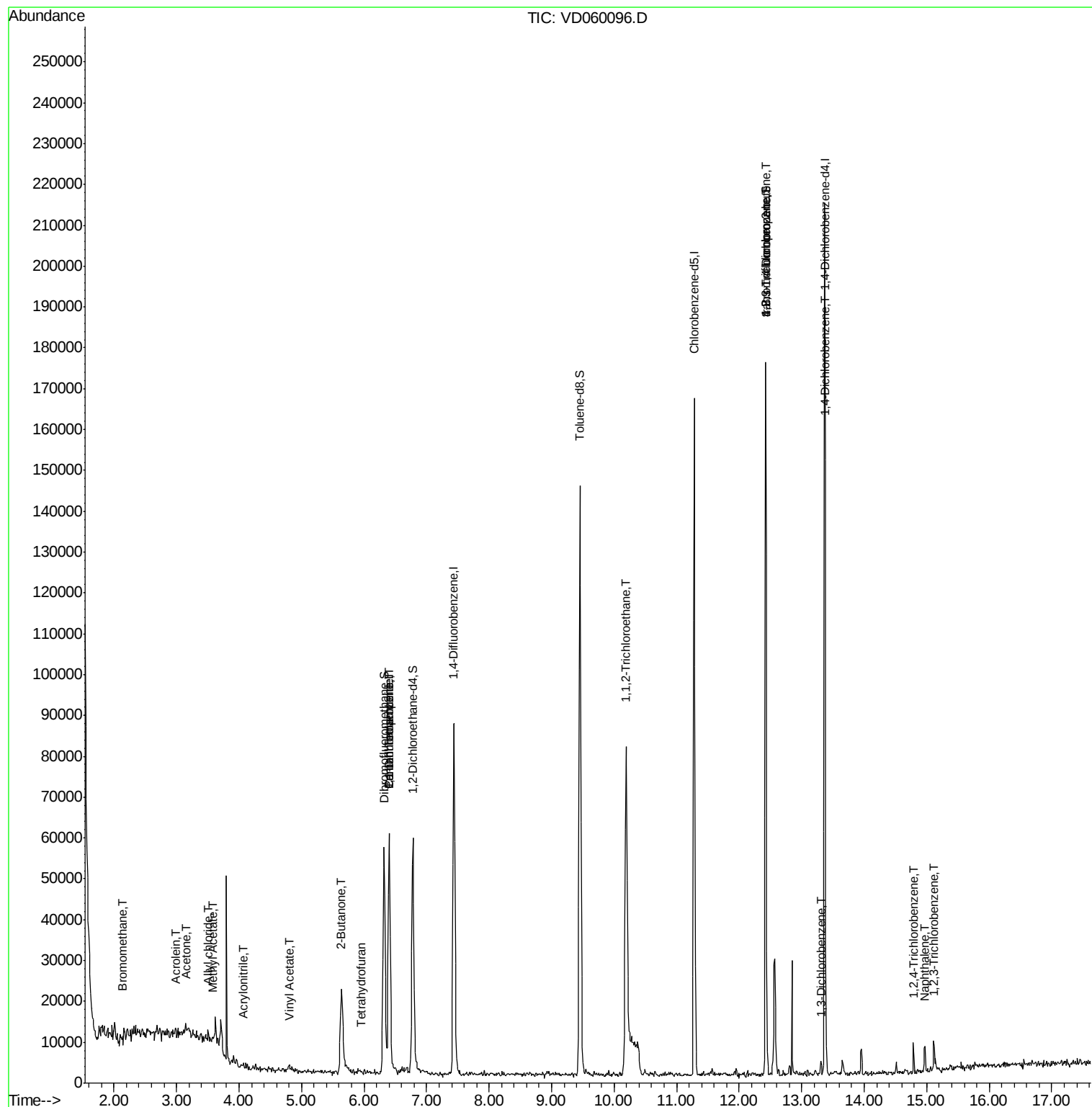
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	896	16.780	ug/l #	1
13) Acrolein	2.97	56	225	9.594	ug/l #	74
14) Allyl chloride	3.52	41	2955	5.658	ug/l #	87
15) Acrylonitrile	4.07	53	238	1.665	ug/l #	17
16) Acetone	3.15	43	2100	23.175	ug/l #	53
18) Methyl Acetate	3.57	43	2597	14.093	ug/l #	64
20) Methylene Chloride	3.71	84	4310	Below Cal	#	75
23) Vinyl Acetate	4.81	43	3559	2.637	ug/l #	80
25) 2-Butanone	5.62	43	2554	10.445	ug/l #	61
29) Tetrahydrofuran	5.96	42	804	6.131	ug/l #	41
36) 1,1-Dichloropropene	6.41	75	3931	4.184	ug/l #	40
38) Carbon Tetrachloride	6.39	117	4557	5.196	ug/l #	12
51) 4-Methyl-2-Pentanone	9.45	43	569	Below Cal	#	31
55) 1,1,2-Trichloroethane	10.20	97	602	1.130	ug/l #	14
59) 2-Hexanone	10.49	43	1108	Below Cal	#	30
76) 1,2,3-Trichloropropane	12.42	75	16976	23.189	ug/l #	42
81) trans-1,4-Dichloro-2-buten	12.42	75	21555	97.540	ug/l #	15
87) 1,3-Dichlorobenzene	13.31	146	1759	1.117	ug/l	91
88) 1,4-Dichlorobenzene	13.39	146	2136	1.337	ug/l	84
89) n-Butylbenzene	13.64	91	1270	Below Cal		88
91) 1,2-Dichlorobenzene	13.66	146	1810	Below Cal	#	66
93) 1,2,4-Trichlorobenzene	14.78	180	2598	2.315	ug/l	93
95) Naphthalene	14.97	128	5877	3.391	ug/l	96
96) 1,2,3-Trichlorobenzene	15.11	180	2571	2.600	ug/l	89

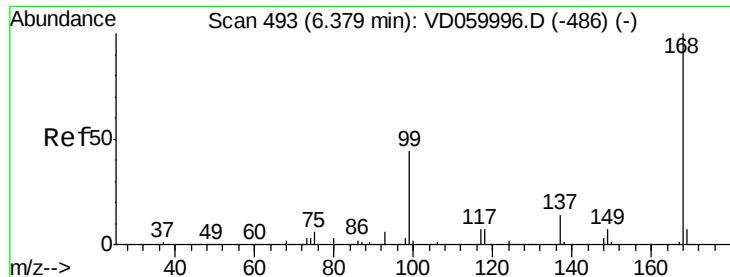
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092818\
Data File : VD060096.D
Acq On : 28 Sep 2018 14:34
Operator : VA/AP
Sample : J5145-02
Misc : 10.00µl/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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Quant Time: Sep 28 23:16:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060096.D

Acq: 28 Sep 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

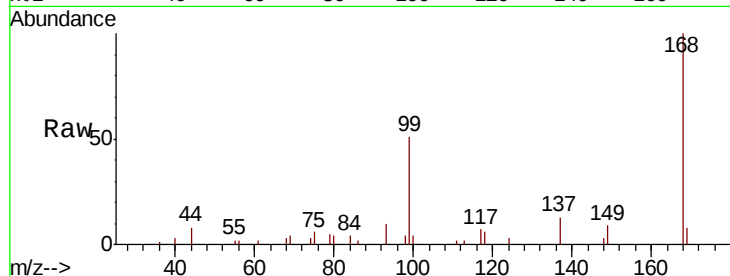
FK-PS-01-042

Tot Ion:168 Resp: 60183

Ion Ratio Lower Upper

168 100

99 50.8 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

25000

20000

15000

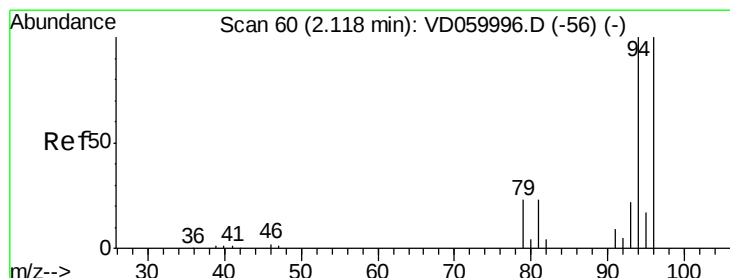
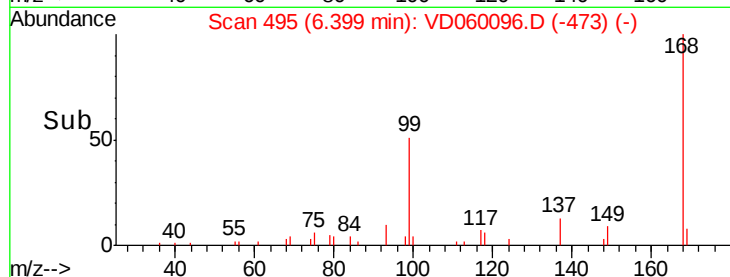
10000

5000

0

6.30 6.40 6.50

Time-->



#5

Bromomethane

Concen: 16.780 ug/l

RT: 2.13 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060096.D

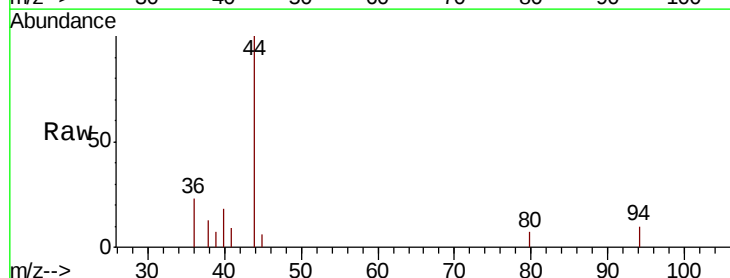
Acq: 28 Sep 2018 14:34

Tgt Ion: 94 Resp: 896

Ion Ratio Lower Upper

94 100

96 0.0 79.8 119.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.13

600

500

400

300

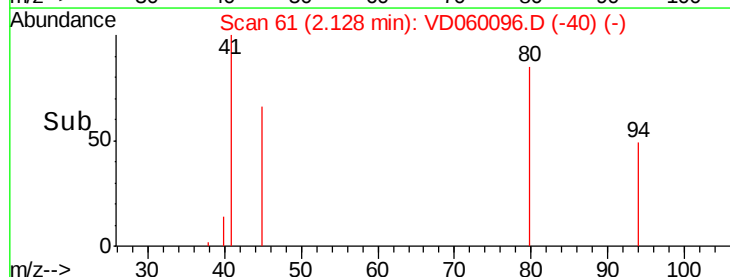
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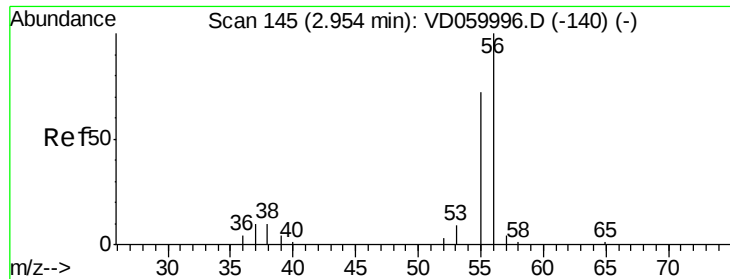
100

0

2.10 2.12 2.14 2.16

Time-->





#13

Acrolein

Concen: 9.594 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD060096.D

Acq: 28 Sep 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

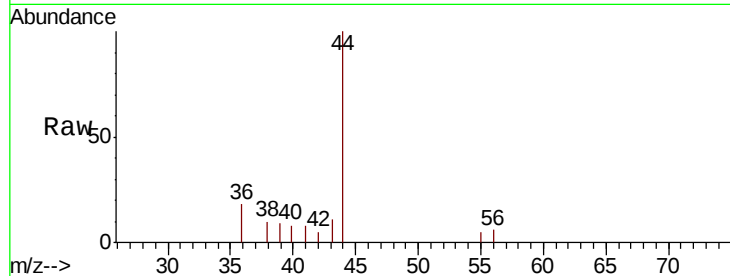
FK-PS-01-042

Tot Ion: 56 Resp: 225

Ion Ratio Lower Upper

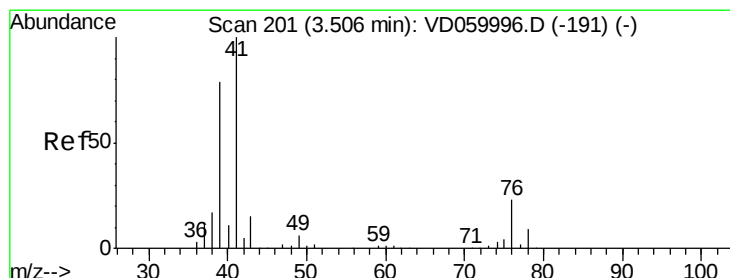
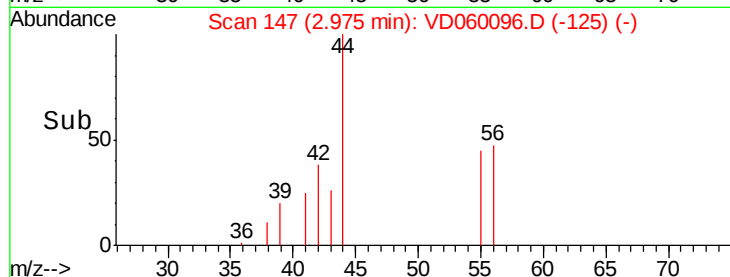
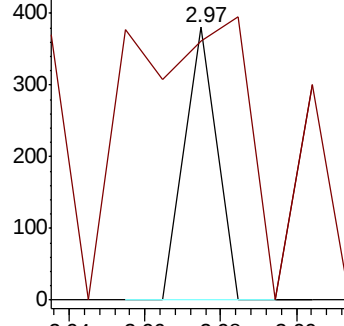
56 100

55 94.8 58.3 87.5#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.658 ug/l

RT: 3.52 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060096.D

Acq: 28 Sep 2018 14:34

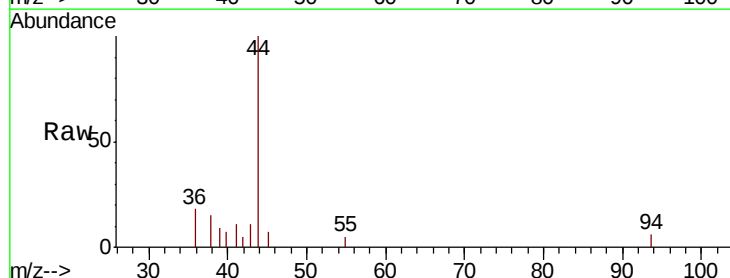
Tgt Ion: 41 Resp: 2955

Ion Ratio Lower Upper

41 100

39 80.0 63.6 95.4

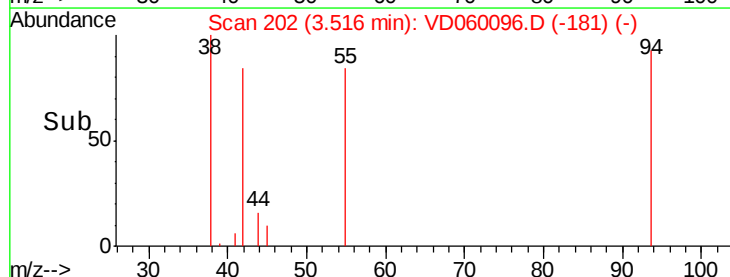
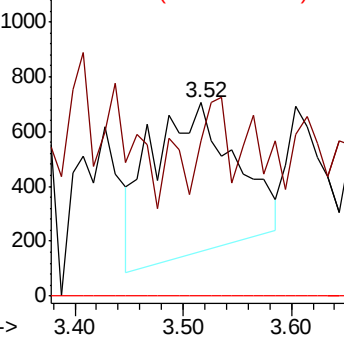
76 0.0 21.1 31.7#

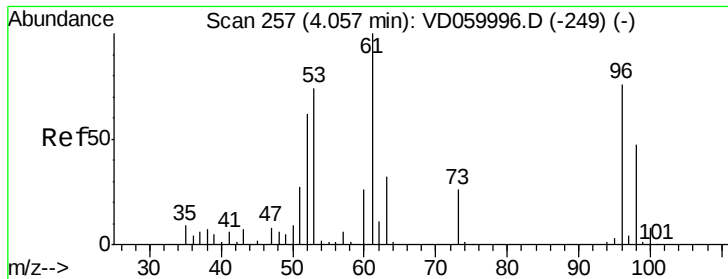


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 1.665 ug/l

RT: 4.07 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD060096.D

Acq: 28 Sep 2018 14:34

Instrument :

MSVOA_D

ClientSampleID :

FK-PS-01-042

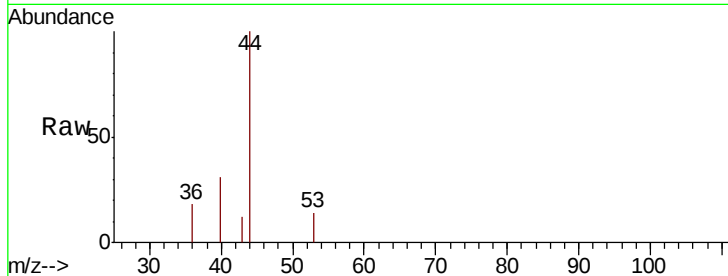
Tot Ion: 53 Resp: 238

Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

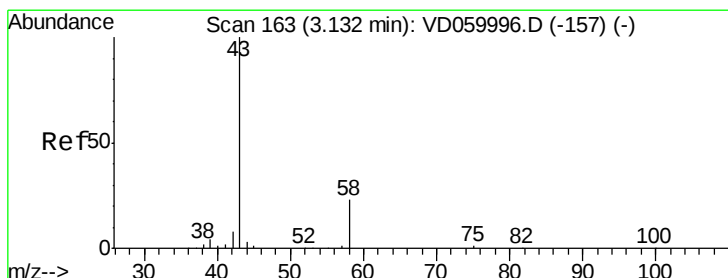
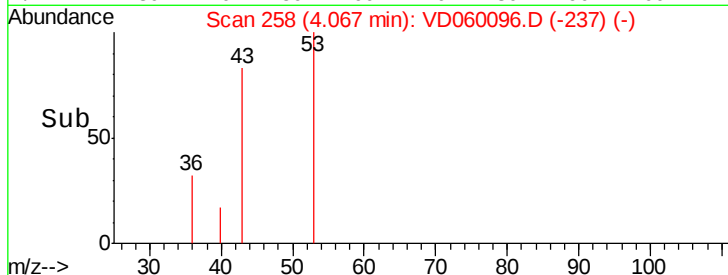
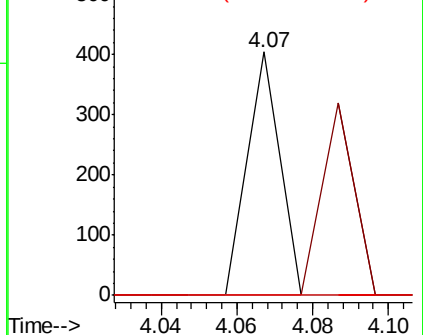
51 0.0 29.0 43.6#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 23.175 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060096.D

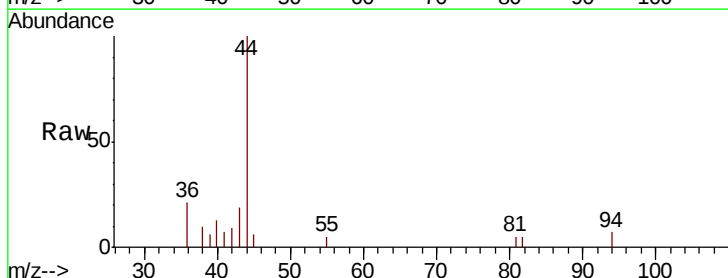
Acq: 28 Sep 2018 14:34

Tgt Ion: 43 Resp: 2100

Ion Ratio Lower Upper

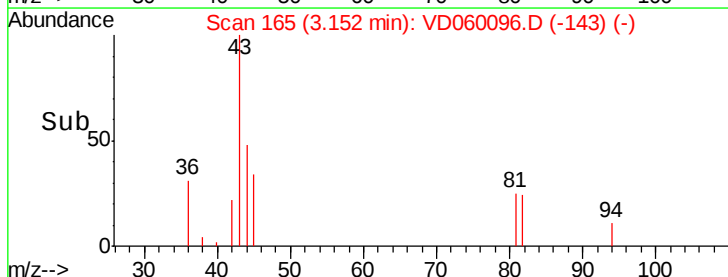
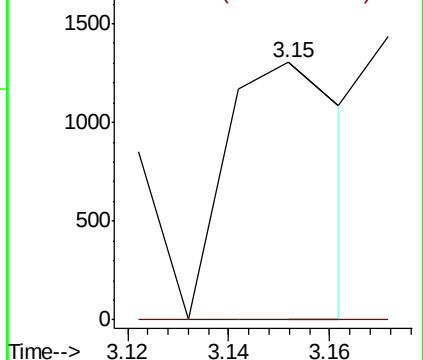
43 100

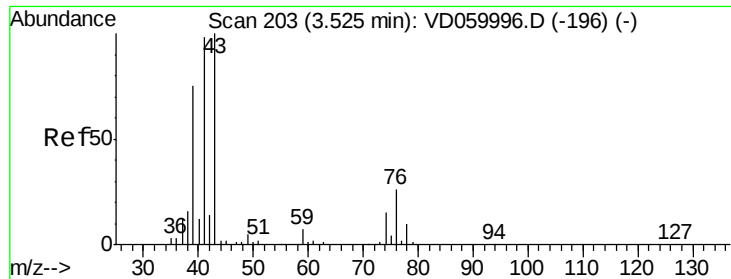
58 0.0 18.1 27.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

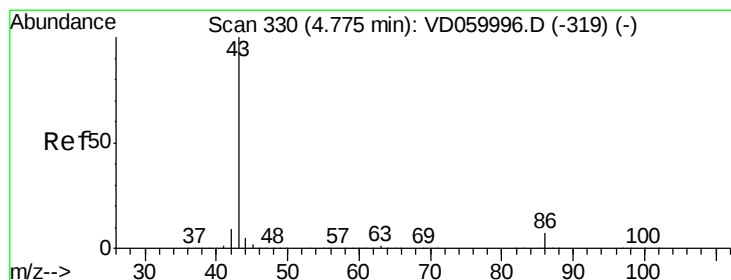
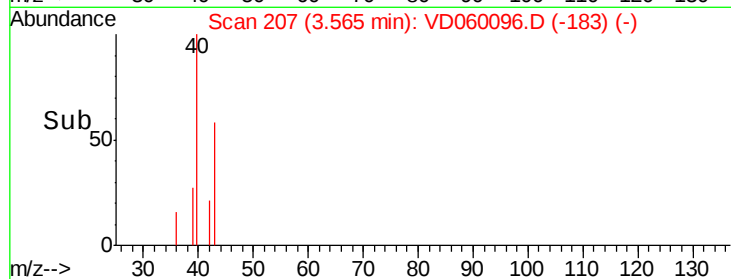
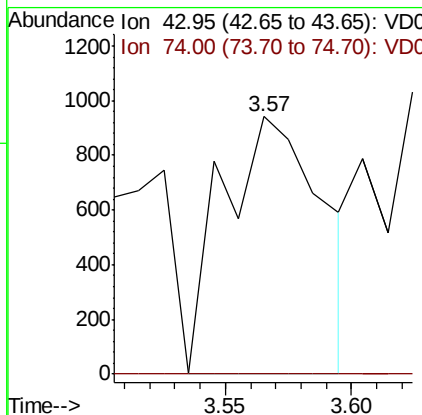
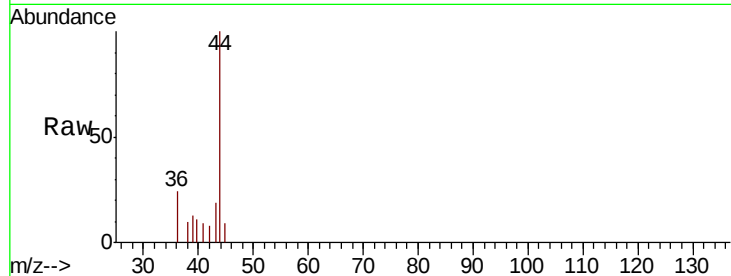




#18
Methyl Acetate
Concen: 14.093 ug/l
RT: 3.57 min Scan# 207
Delta R.T. 0.04 min
Lab File: VD060096.D
Acq: 28 Sep 2018 14:34

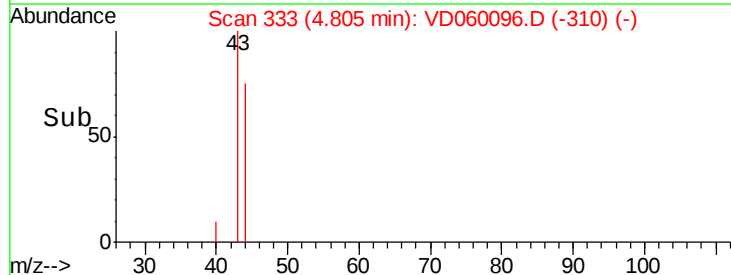
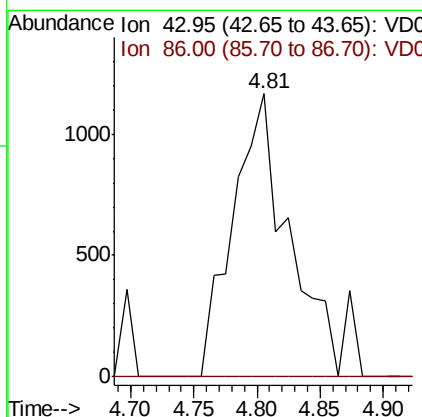
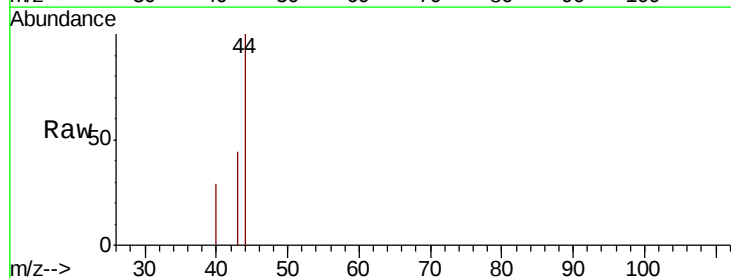
Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-042

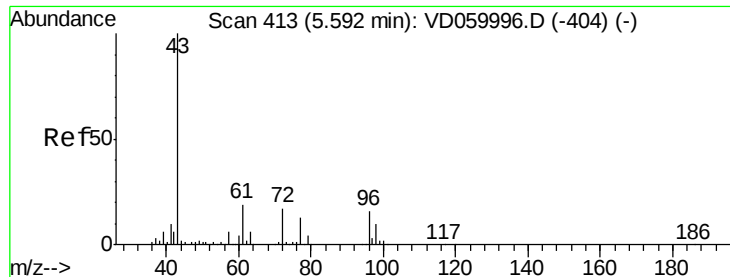
Tot Ion: 43 Resp: 2597
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.8#



#23
Vinyl Acetate
Concen: 2.637 ug/l
RT: 4.81 min Scan# 333
Delta R.T. 0.03 min
Lab File: VD060096.D
Acq: 28 Sep 2018 14:34

Tgt Ion: 43 Resp: 3559
Ion Ratio Lower Upper
43 100
86 0.0 5.5 8.3#





#25

2-Butanone

Concen: 10.445 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.03 min

Lab File: VD060096.D

Acq: 28 Sep 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

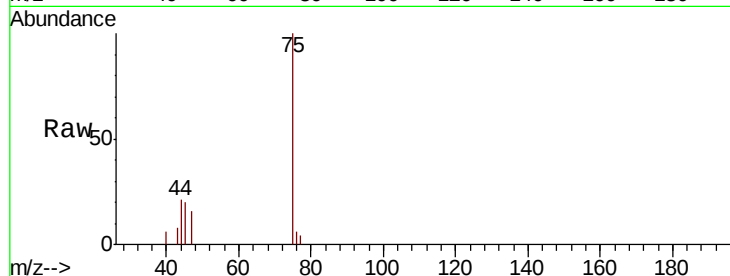
FK-PS-01-042

Tot Ion: 43 Resp: 2554

Ion Ratio Lower Upper

43 100

72 0.0 13.6 20.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

5.62

600

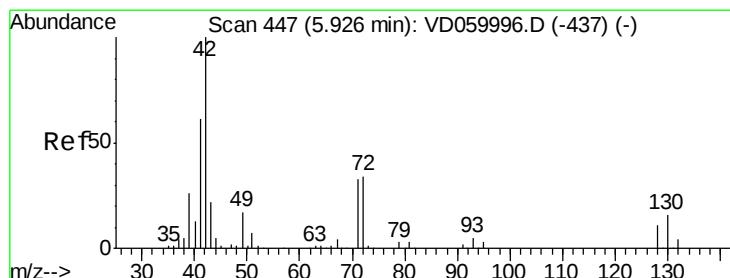
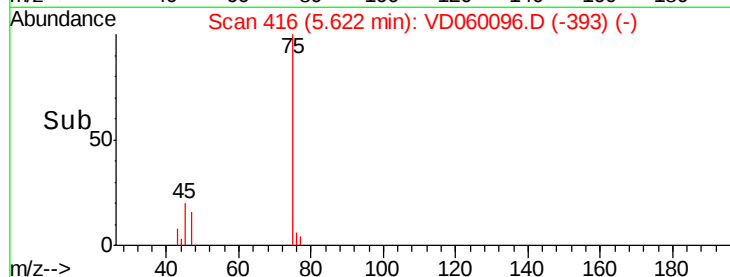
400

200

0

5.55 5.60 5.65 5.70

Time-->



#29

Tetrahydrofuran

Concen: 6.131 ug/l

RT: 5.96 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060096.D

Acq: 28 Sep 2018 14:34

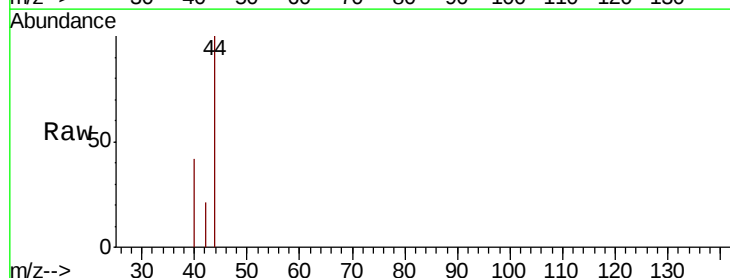
Tgt Ion: 42 Resp: 804

Ion Ratio Lower Upper

42 100

72 0.0 26.9 40.3#

71 0.0 26.2 39.4#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

500

400

300

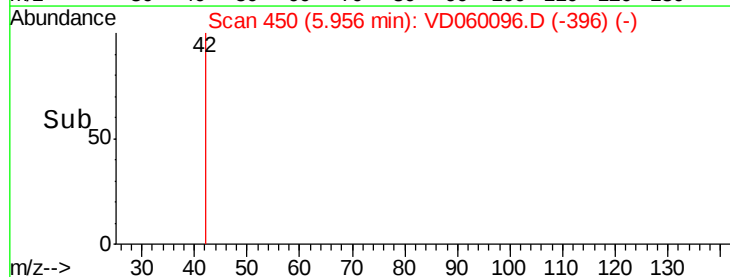
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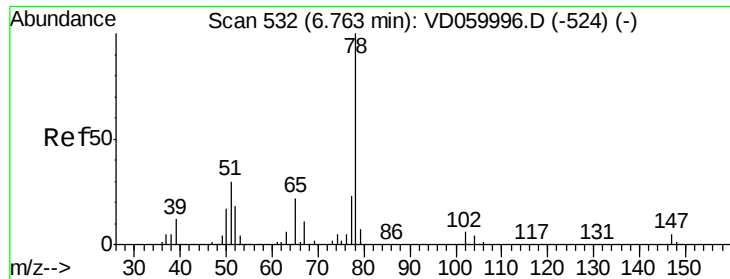
100

0

5.90 5.95 6.00

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060096.D

Acq: 28 Sep 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

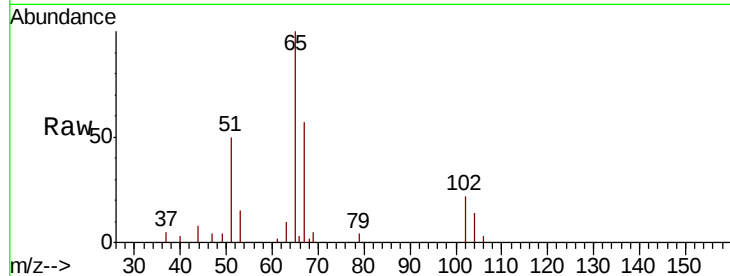
FK-PS-01-042

Tot Ion: 65 Resp: 46152

Ion Ratio Lower Upper

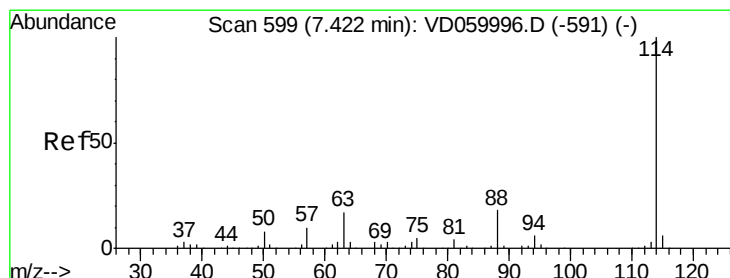
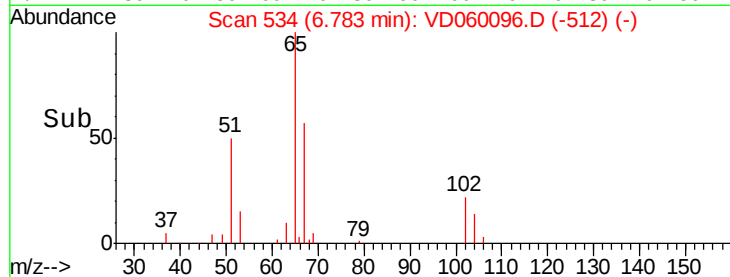
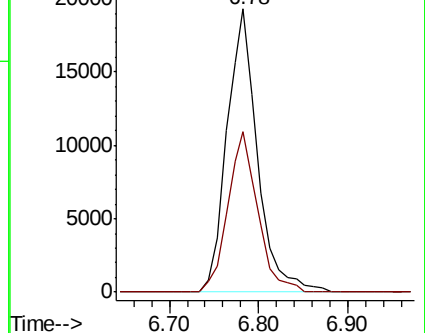
65 100

67 56.6 0.0 104.8



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. 0.02 min

Lab File: VD060096.D

Acq: 28 Sep 2018 14:34

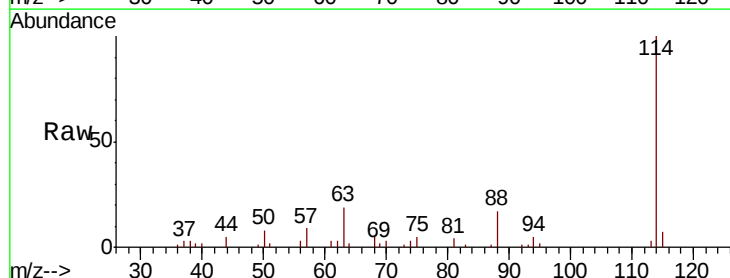
Tgt Ion: 114 Resp: 94582

Ion Ratio Lower Upper

114 100

63 18.8 0.0 34.4

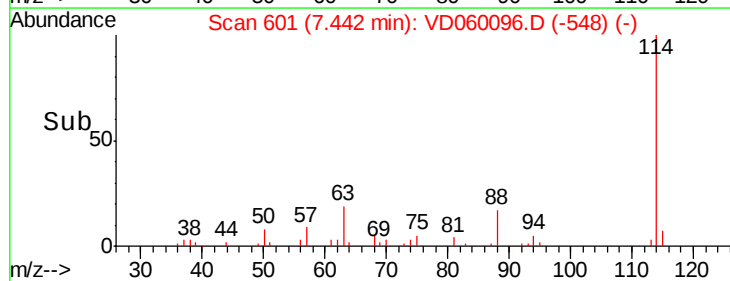
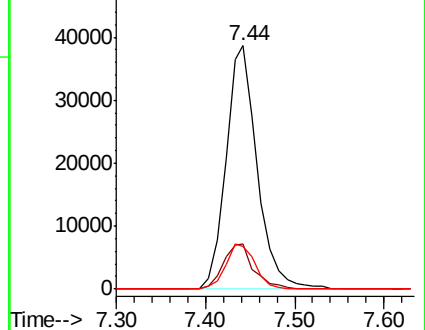
88 17.3 0.0 35.8

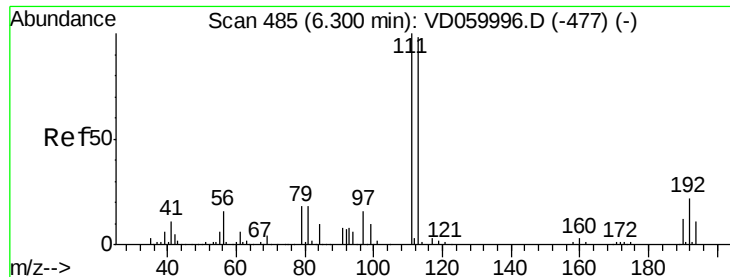


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

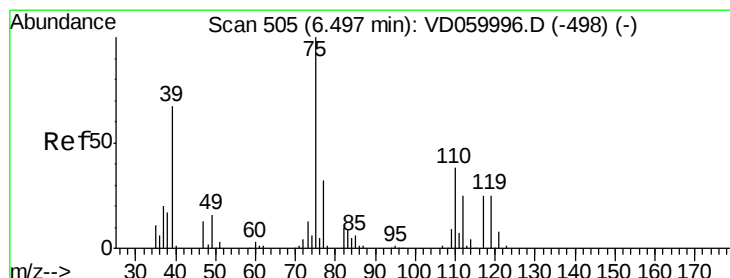
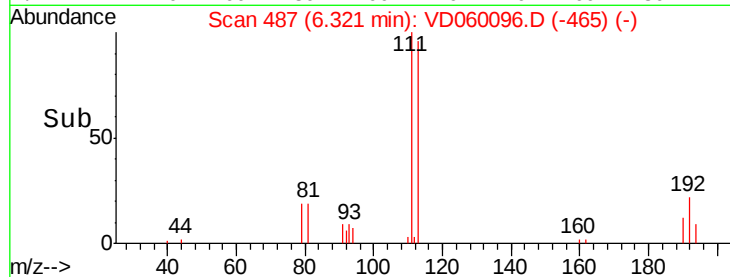
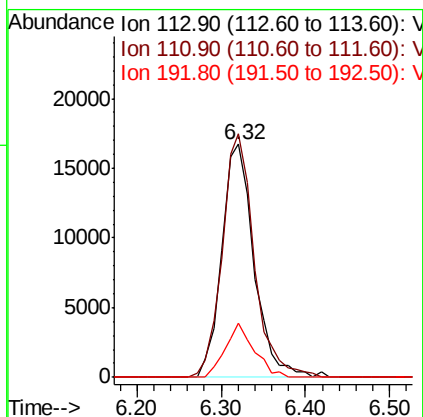
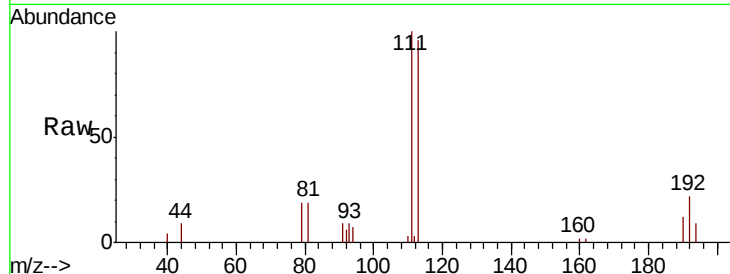




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060096.D
 Acq: 28 Sep 2018 14:34

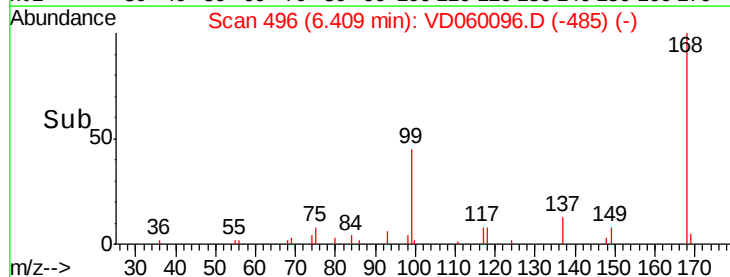
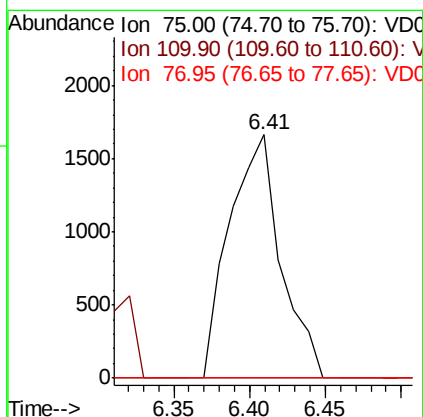
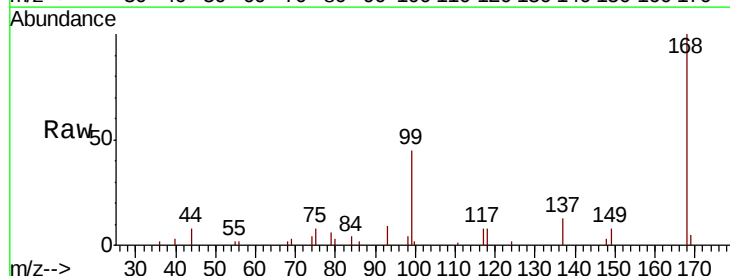
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-042

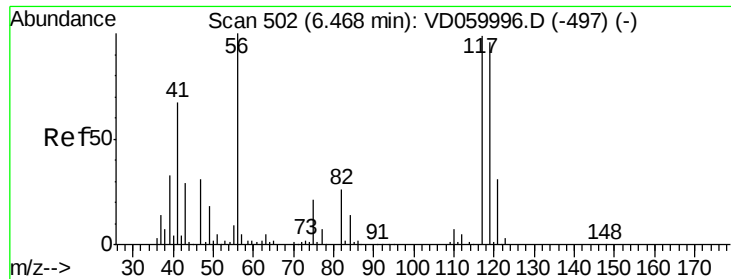
Tot Ion:113 Resp: 44453
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.3 121.9
 192 23.4 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 4.184 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.09 min
 Lab File: VD060096.D
 Acq: 28 Sep 2018 14:34

Tgt Ion: 75 Resp: 3931
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.9 56.9#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 5.196 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.08 min

Lab File: VD060096.D

Acq: 28 Sep 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-042

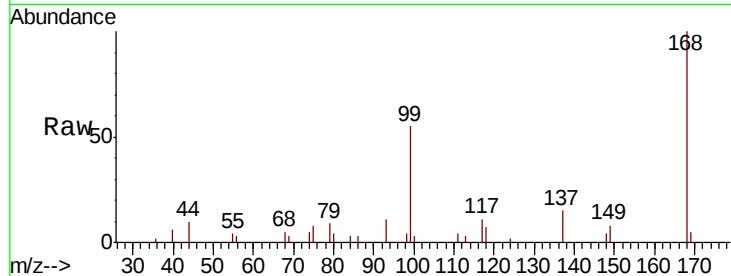
Tot Ion:117 Resp: 4557

Ion Ratio Lower Upper

117 100

119 0.0 76.7 115.1#

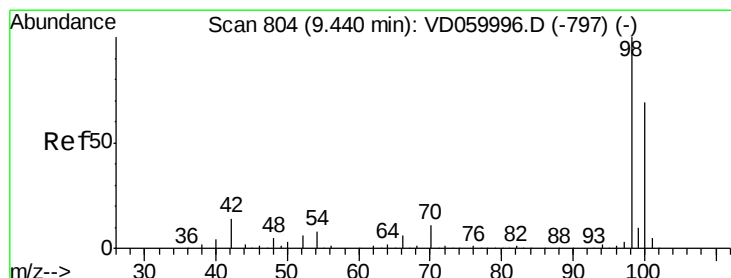
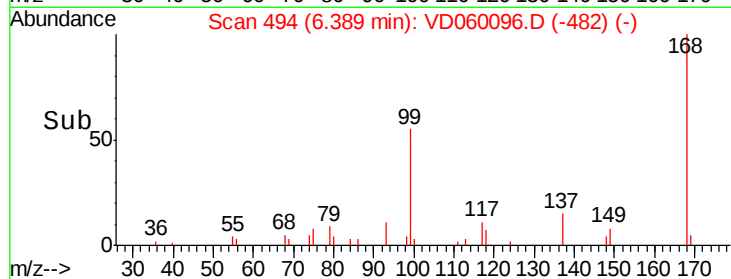
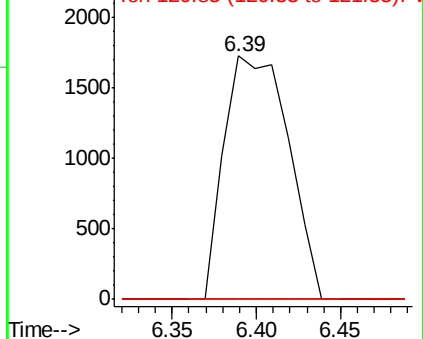
121 0.0 24.9 37.3#



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: VD060096.D

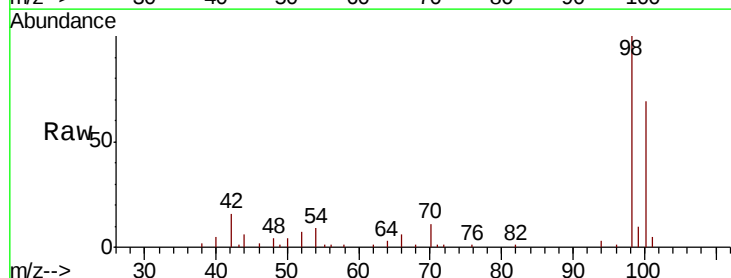
Acq: 28 Sep 2018 14:34

Tgt Ion: 98 Resp: 116002

Ion Ratio Lower Upper

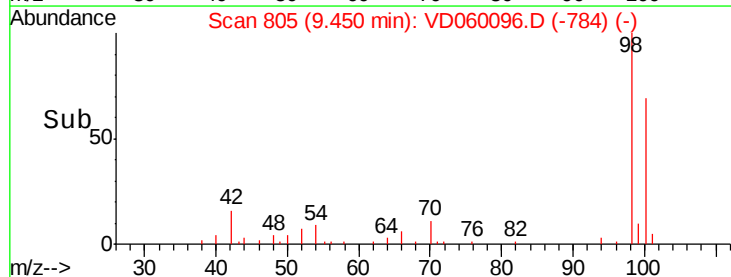
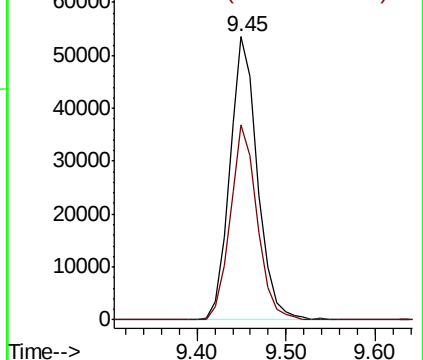
98 100

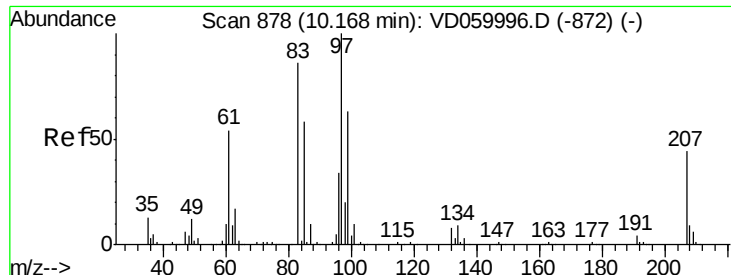
100 69.0 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

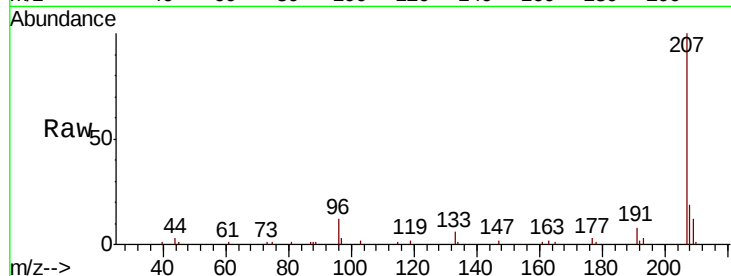




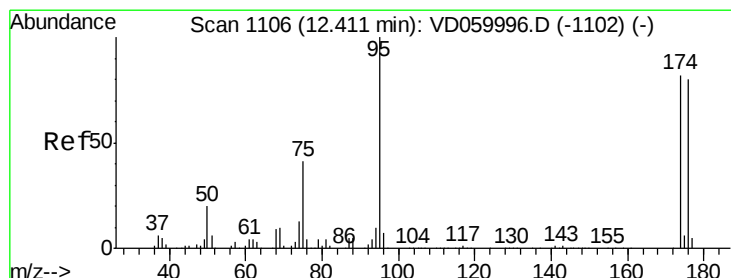
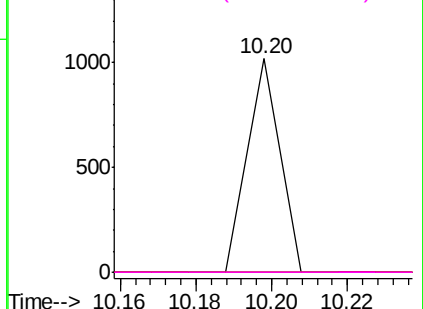
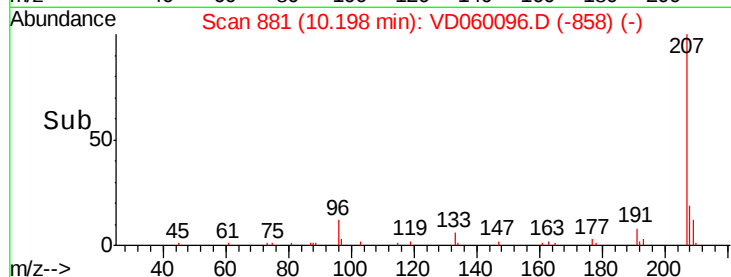
#55
 1,1,2-Trichloroethane
 Concen: 1.130 ug/l
 RT: 10.20 min Scan# 881
 Delta R.T. 0.03 min
 Lab File: VD060096.D
 Acq: 28 Sep 2018 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-042

Tot Ion: 97 Resp: 602
 Ion Ratio Lower Upper
 97 100
 83 0.0 69.1 103.7#
 85 0.0 46.2 69.4#
 99 0.0 50.6 75.8#

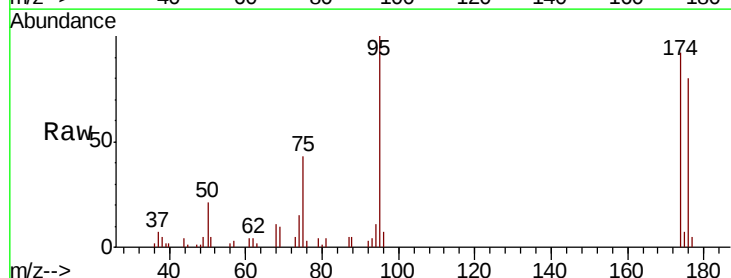


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

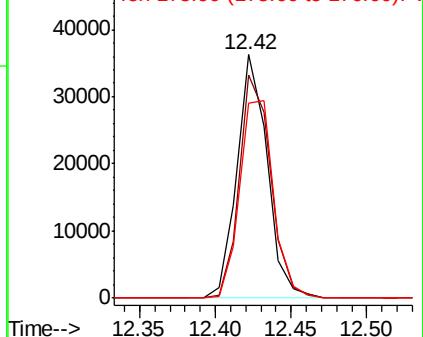
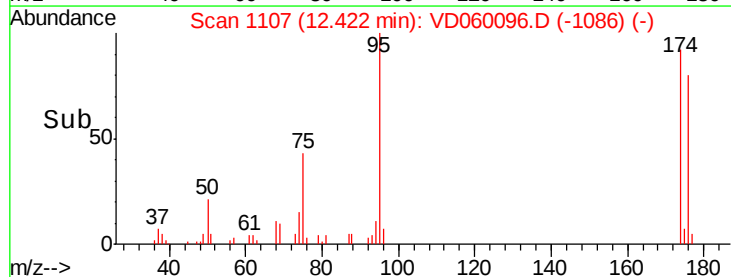


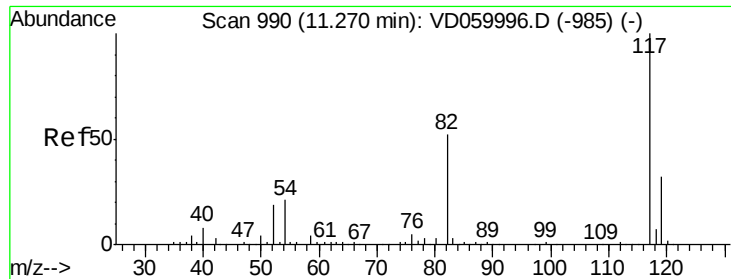
#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VD060096.D
 Acq: 28 Sep 2018 14:34

Tgt Ion: 95 Resp: 49959
 Ion Ratio Lower Upper
 95 100
 174 91.8 0.0 165.0
 176 80.3 0.0 160.2



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

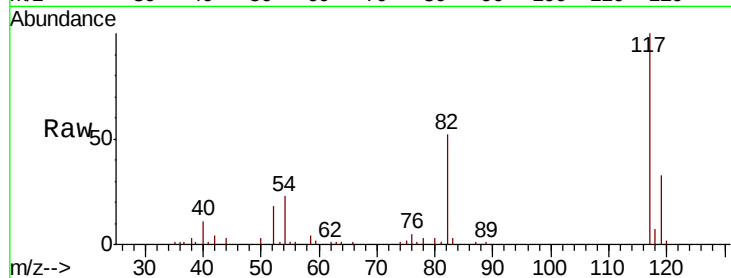




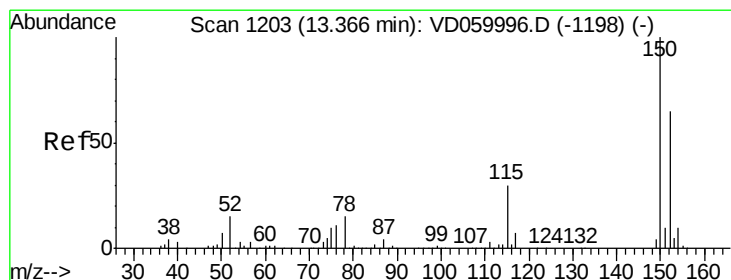
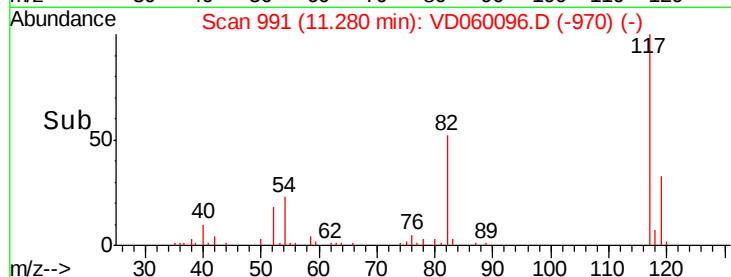
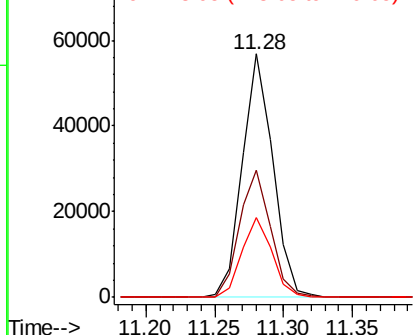
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060096.D
Acq: 28 Sep 2018 14:34

Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-042

Tot Ion:117 Resp: 88473
Ion Ratio Lower Upper
117 100
82 52.3 41.7 62.5
119 32.9 26.0 39.0

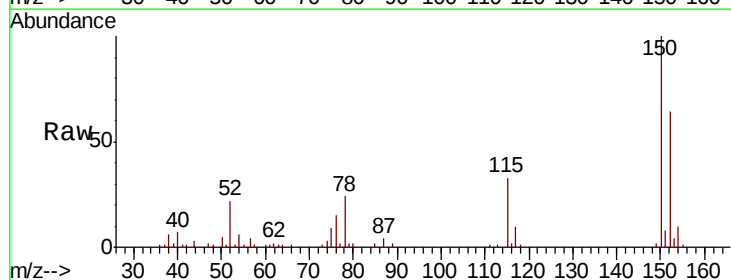


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

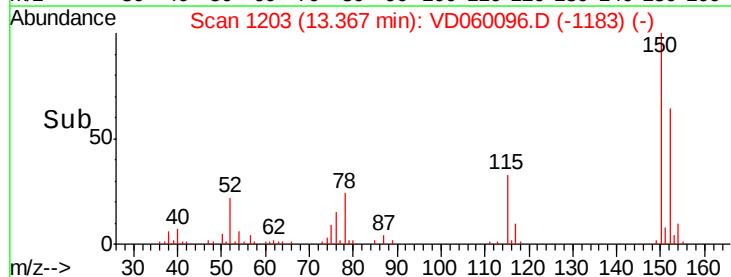
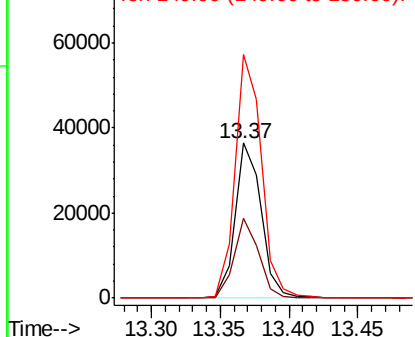


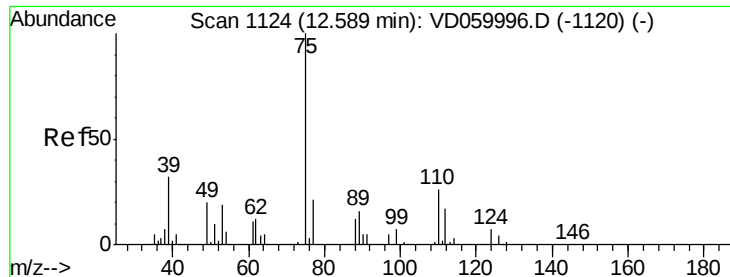
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060096.D
Acq: 28 Sep 2018 14:34

Tgt Ion:152 Resp: 47933
Ion Ratio Lower Upper
152 100
115 51.2 24.6 73.8
150 157.0 0.0 313.4



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

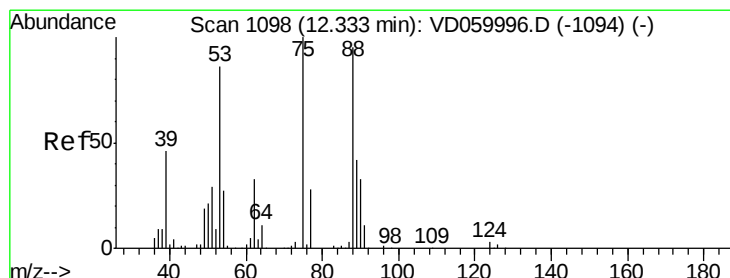
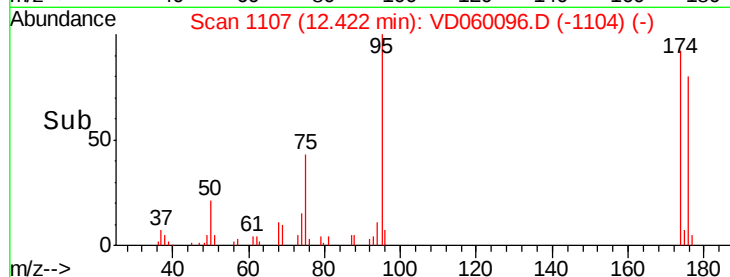
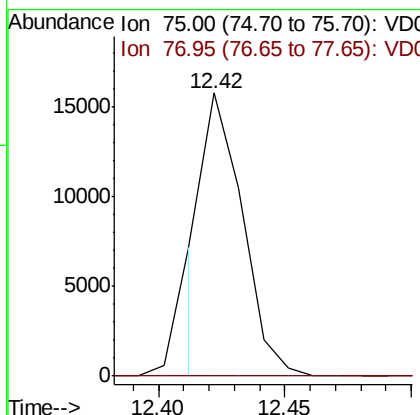
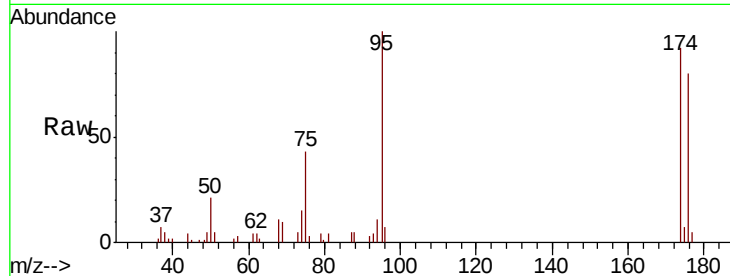




#76
 1,2,3-Trichloropropane
 Concen: 23.189 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.17 min
 Lab File: VD060096.D
 Acq: 28 Sep 2018 14:34

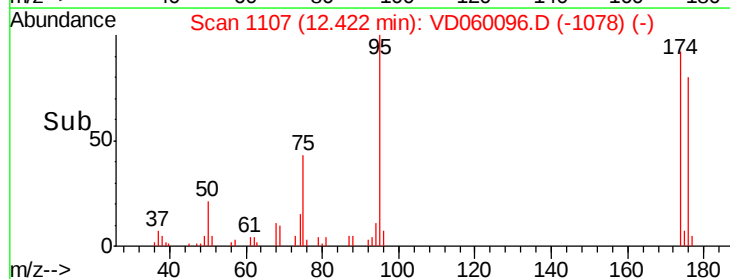
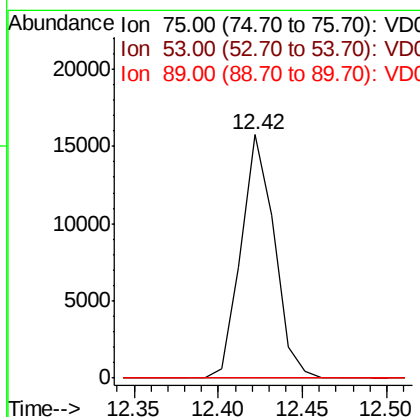
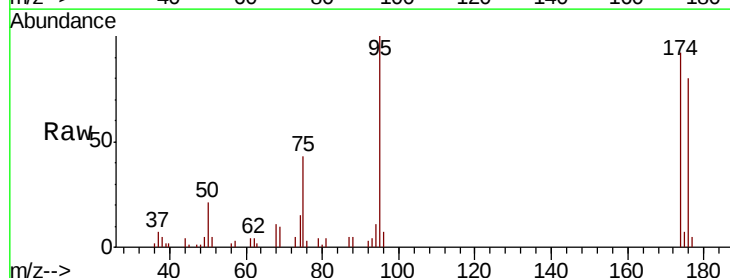
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-042

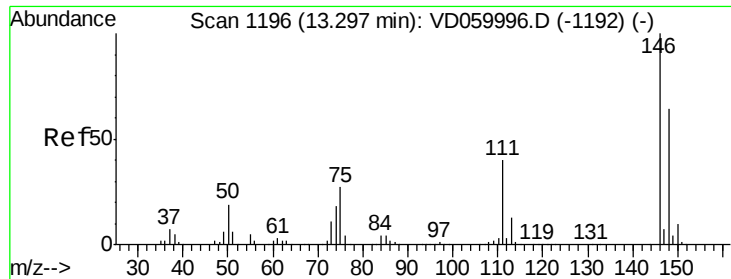
Tot Ion: 75 Resp: 16976
 Ion Ratio Lower Upper
 75 100
 77 0.0 16.4 49.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.540 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.09 min
 Lab File: VD060096.D
 Acq: 28 Sep 2018 14:34

Tgt Ion: 75 Resp: 21555
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.4 102.6#
 89 0.0 33.8 50.6#

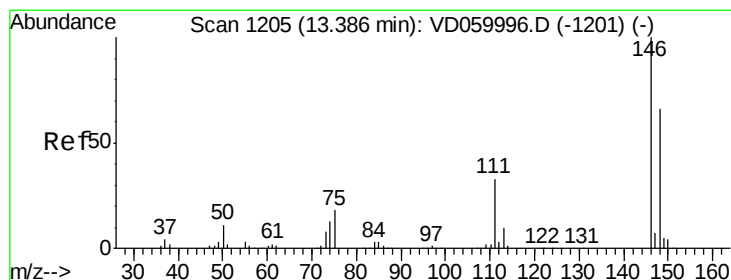
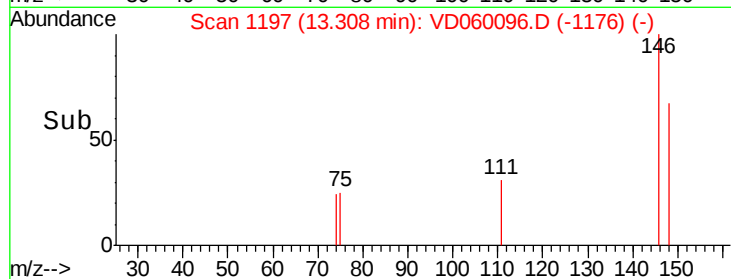
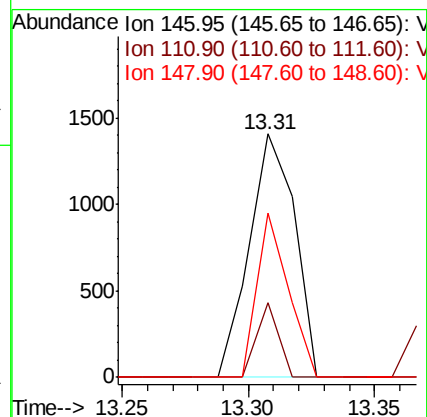
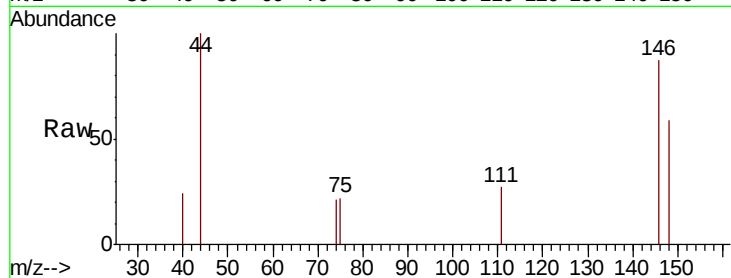




#87
 1,3-Dichlorobenzene
 Concen: 1.117 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD060096.D
 Acq: 28 Sep 2018 14:34

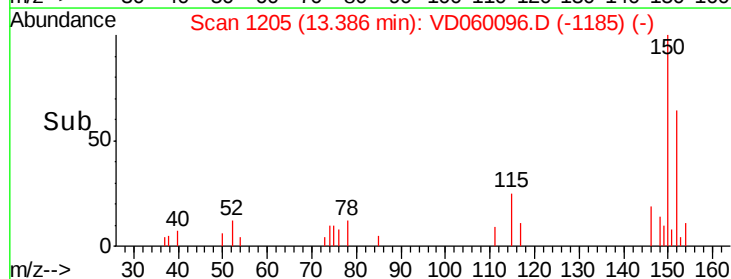
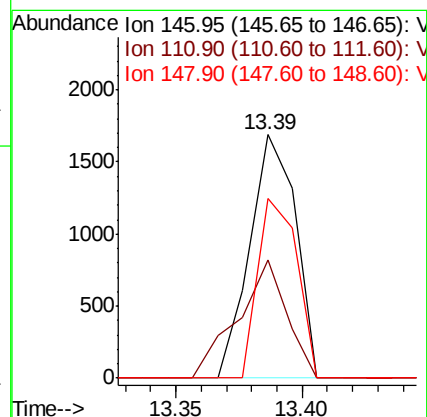
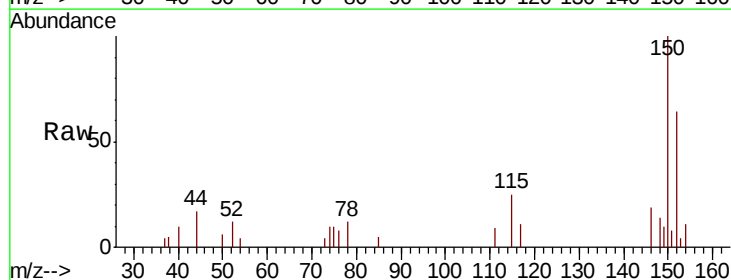
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-042

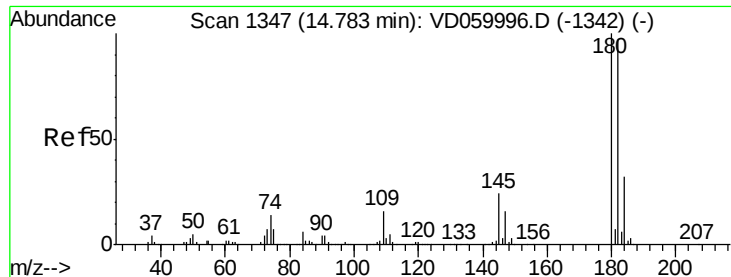
Tot Ion:146 Resp: 1759
 Ion Ratio Lower Upper
 146 100
 111 30.7 20.2 60.5
 148 67.3 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 1.337 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060096.D
 Acq: 28 Sep 2018 14:34

Tgt Ion:146 Resp: 2136
 Ion Ratio Lower Upper
 146 100
 111 48.4 16.7 50.0
 148 73.8 32.9 98.6

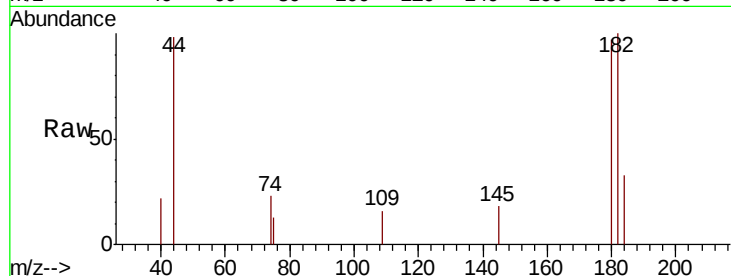




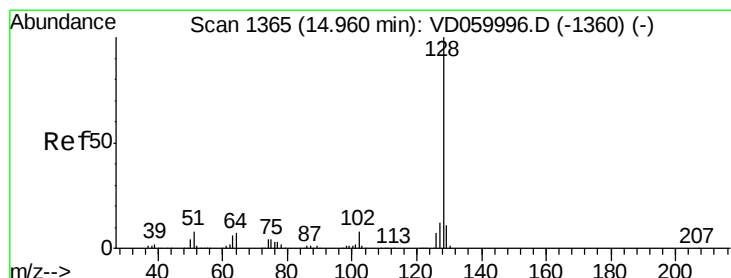
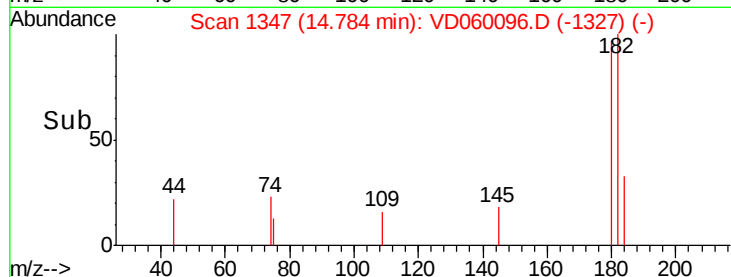
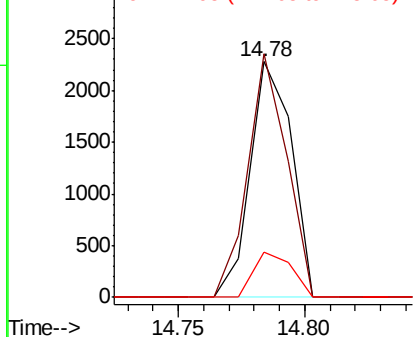
#93
 1,2,4-Trichlorobenzene
 Concen: 2.315 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD060096.D
 Acq: 28 Sep 2018 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-042

Tot Ion:180 Resp: 2598
 Ion Ratio Lower Upper
 180 100
 182 103.2 48.5 145.6
 145 18.9 11.9 35.7

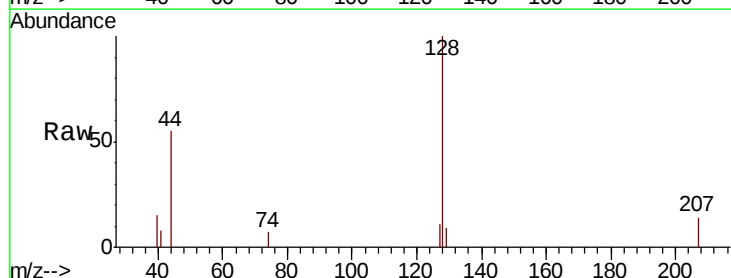


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

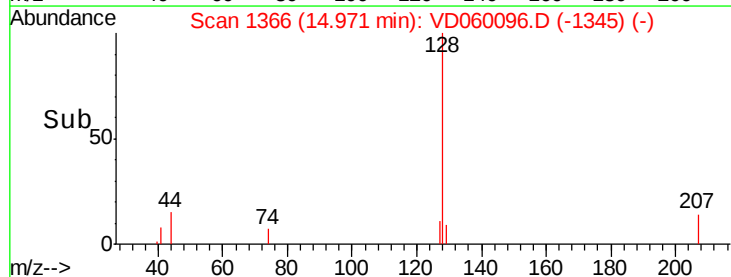
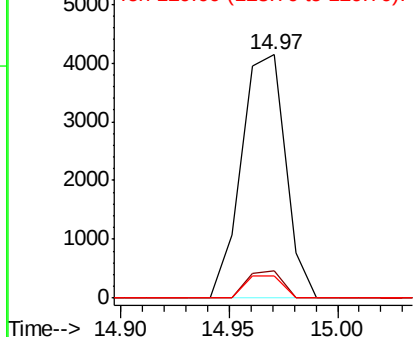


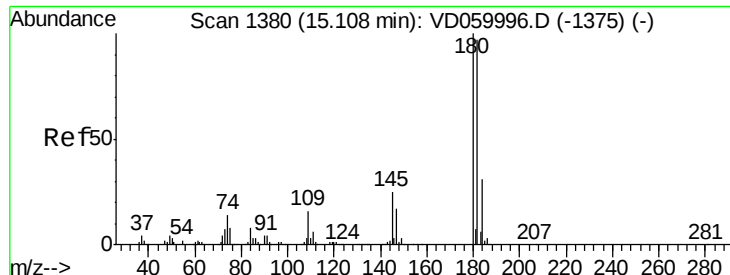
#95
 Naphthalene
 Concen: 3.391 ug/l
 RT: 14.97 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VD060096.D
 Acq: 28 Sep 2018 14:34

Tgt Ion:128 Resp: 5877
 Ion Ratio Lower Upper
 128 100
 127 11.1 9.7 14.5
 129 9.3 8.9 13.3



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: 2.600 ug/l
 RT: 15.11 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VD060096.D
 Acq: 28 Sep 2018 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-042

Tot Ion:180	Resp:	2571
Ion	Ratio	Lower Upper
180	100	
182	84.5	48.6 145.9
145	27.9	12.7 38.1

