

Data File : VD059857.D
Acq On : 21 Aug 2018 15:54
Operator : JC/SY
Sample : J4569-02
Misc : 10.27g/5ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-037

Quant Time: Aug 22 01:11:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 21 04:40:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	16539	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.66	114	36379	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.66	117	19549	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.89	152	4735	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.98	65	28545	215.65	ug/l	0.01
Spiked Amount	50.000		Recovery	=	431.30%	
35) Dibromofluoromethane	5.51	113	25520	94.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.68%	
50) Toluene-d8	8.67	98	33662	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	
62) 4-Bromofluorobenzene	11.90	95	6724	24.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.30%	

Target Compounds

						Qvalue
3) Chloromethane	1.49	50	187	1.550	ug/l #	43
5) Bromomethane	1.78	94	182	14.321	ug/l #	5
10) Methyl Iodide	2.68	142	386	6.053	ug/l #	30
13) Acrolein	2.41	56	607	121.682	ug/l #	2
14) Allyl chloride	2.90	41	1648	12.727	ug/l #	68
15) Acrylonitrile	3.32	53	994	43.890	ug/l #	17
16) Acetone	2.58	43	13427	605.217	ug/l #	89
18) Methyl Acetate	2.90	43	47851	1112.836	ug/l	95
20) Methylene Chloride	3.05	84	205	Below Cal	#	50
21) trans-1,2-Dichloroethene	3.36	96	243	1.982	ug/l #	1
23) Vinyl Acetate	3.97	43	5575	15.690	ug/l #	83
25) 2-Butanone	4.88	43	505399	7536.630	ug/l #	63
29) Tetrahydrofuran	5.15	42	1557	45.856	ug/l #	42
30) Chloroform	5.28	83	12666	44.123	ug/l	98
31) Cyclohexane	5.60	56	184	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	952	3.086	ug/l #	40
37) Ethyl Acetate	4.88	43	520582	2276.194	ug/l	98
38) Carbon Tetrachloride	5.61	117	1055	3.426	ug/l #	12
41) Methacrylonitrile	5.09	41	707	6.034	ug/l #	32
42) 1,2-Dichloroethane	6.09	62	435	1.671	ug/l	74
43) Isopropyl Acetate	7.76	43	193345	611.207	ug/l #	49
48) Methyl methacrylate	7.46	41	1333	7.640	ug/l #	23
49) 1,4-Dioxane	7.77	88	1765	1195.445	ug/l #	1
51) 4-Methyl-2-Pentanone	8.56	43	1321	6.246	ug/l #	41
52) Toluene	8.78	92	653	1.292	ug/l #	1
55) 1,1,2-Trichloroethane	9.41	97	347	1.902	ug/l #	15
59) 2-Hexanone	9.62	43	877459	5613.141	ug/l #	31
65) Chlorobenzene	10.69	112	790	2.095	ug/l #	43
68) m/p-Xylenes	10.99	106	253	1.441	ug/l	91
70) Styrene	11.41	104	494	1.299	ug/l #	42
74) N-amyl acetate	11.62	43	1057	7.315	ug/l #	54
76) 1,2,3-Trichloropropane	12.08	75	767	9.791	ug/l #	43
77) Bromobenzene	12.01	156	499	5.563	ug/l	88
78) n-propylbenzene	12.13	91	881	2.198	ug/l #	55

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Quant Title : SW846 8260
QLast Update : Tue Aug 21 04:40:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.31	91	1585	6.869	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.90	75	2704	110.421	ug/l #	10
82) 4-Chlorotoluene	12.31	91	1585	4.995	ug/l	97
84) 1,2,4-Trimethylbenzene	12.60	105	703	2.648	ug/l #	32
87) 1,3-Dichlorobenzene	12.91	146	1555	10.299	ug/l	83
88) 1,4-Dichlorobenzene	12.91	146	1555	10.390	ug/l	85
91) 1,2-Dichlorobenzene	13.17	146	781	4.037	ug/l	88
93) 1,2,4-Trichlorobenzene	14.32	180	1160	10.700	ug/l #	82
95) Naphthalene	14.49	128	4920	27.781	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.64	180	1428	15.031	ug/l #	66

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

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```
ALS Vial      : 11      Sample Multiplier: 1
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Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-037

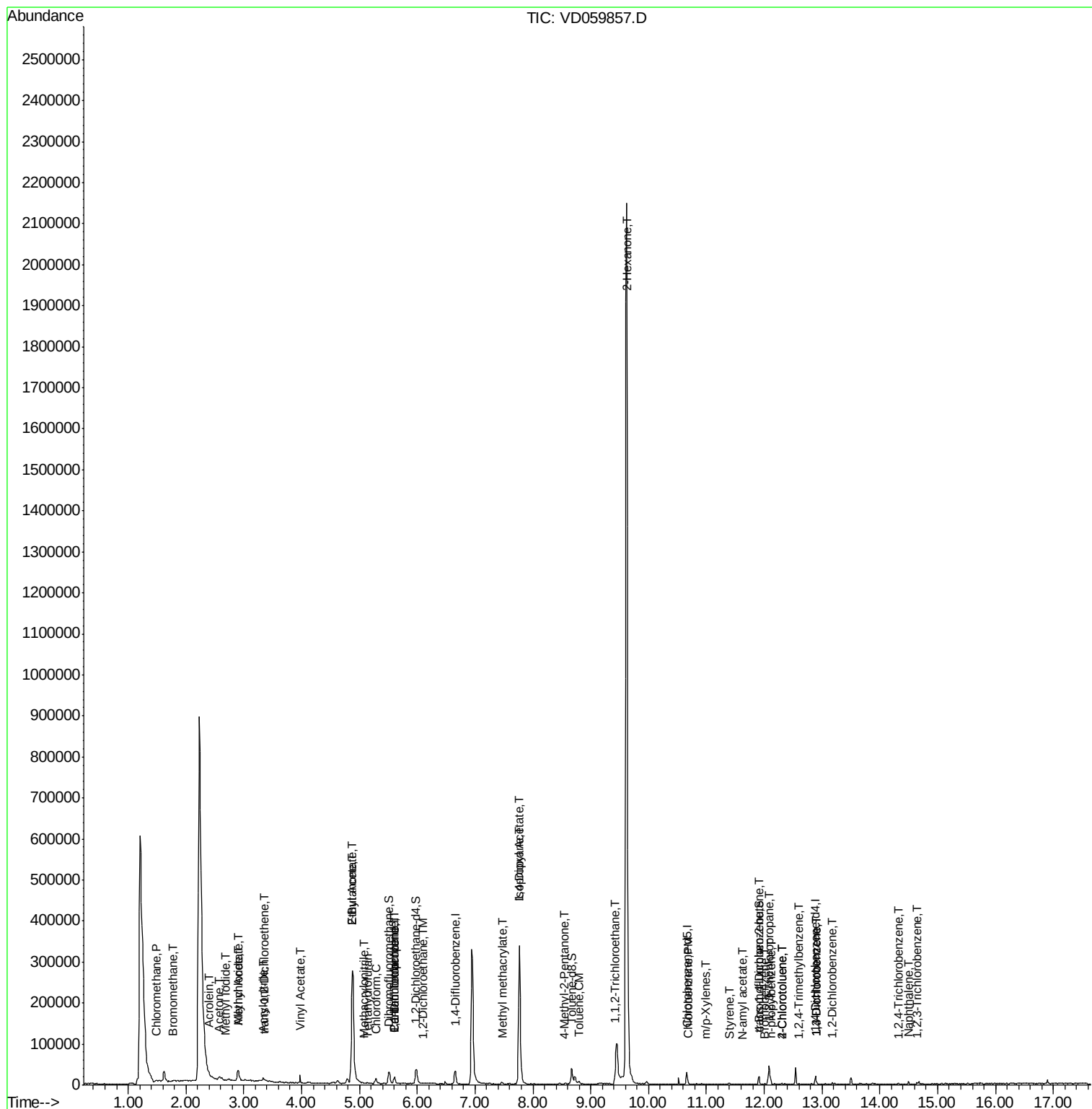
Quant Time: Aug 22 01:11:35 2018

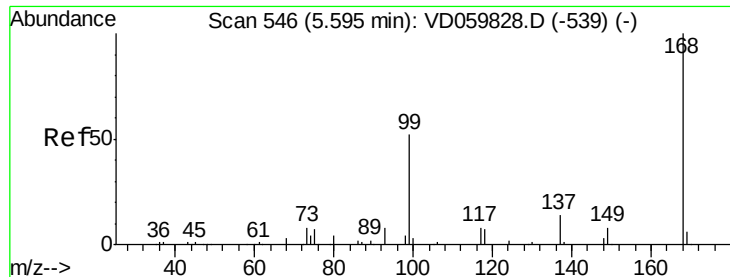
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_D\METHOD\82D082018S.M

Quant Title : SW846 8260

QLast Update : Tue Aug 21 04:40:12 2018

Response via : Initial Calibration

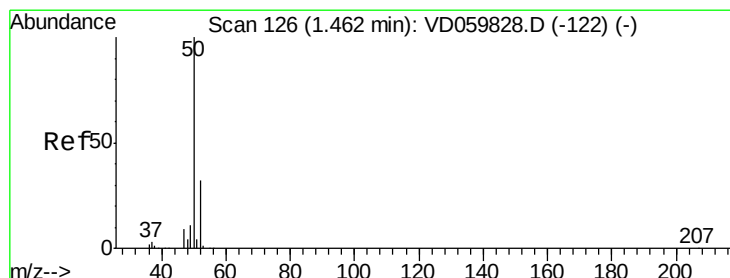
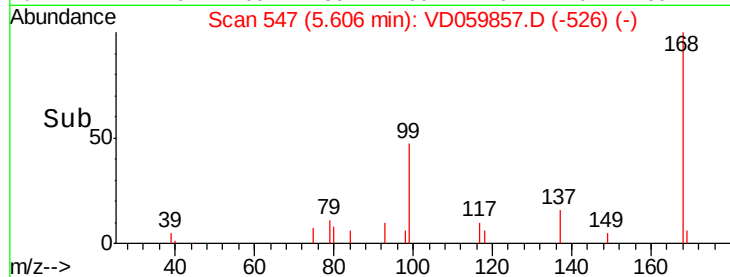
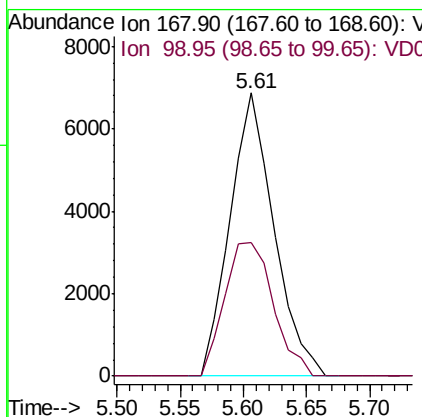
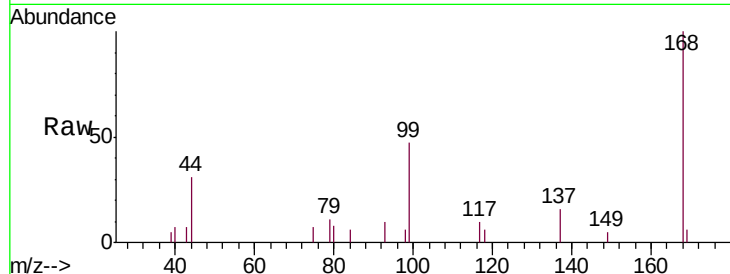




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 547
Delta R.T. 0.01 min
Lab File: VD059857.D
Acq: 21 Aug 2018 15:54

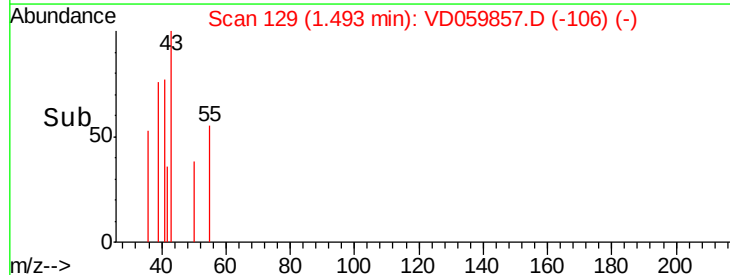
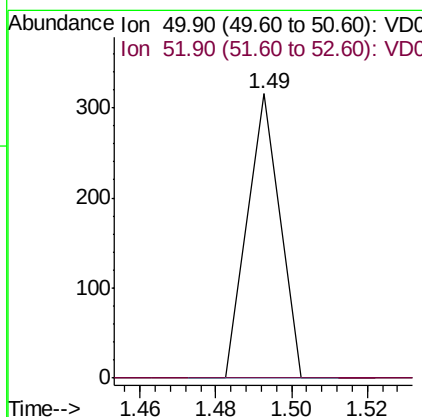
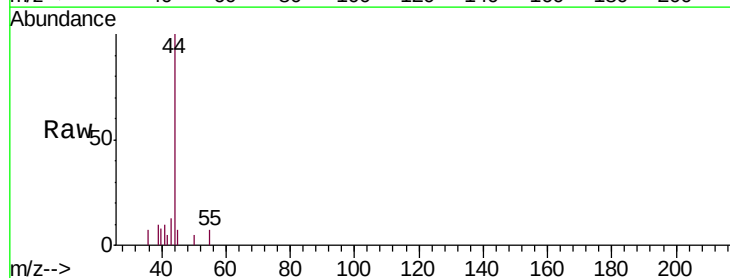
Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-037

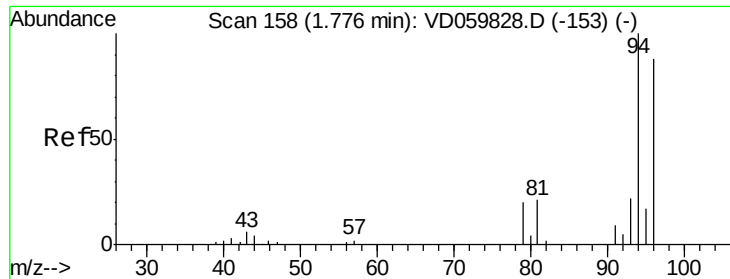
Tgt Ion:168 Resp: 16539
Ion Ratio Lower Upper
168 100
99 47.2 43.6 65.4



#3
Chloromethane
Concen: 1.550 ug/l
RT: 1.49 min Scan# 129
Delta R.T. 0.03 min
Lab File: VD059857.D
Acq: 21 Aug 2018 15:54

Tgt Ion: 50 Resp: 187
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

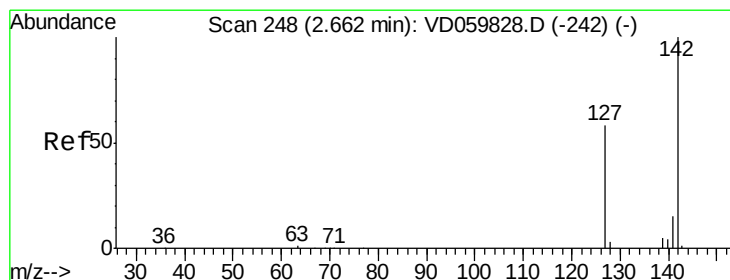
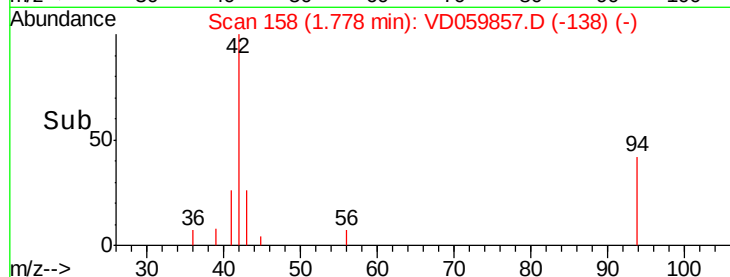
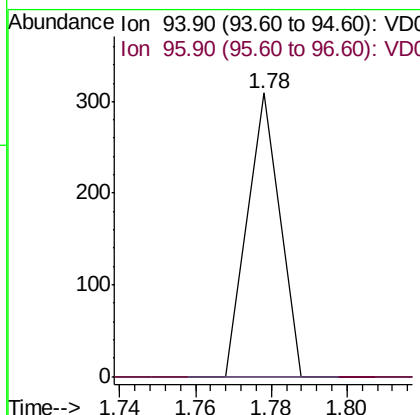
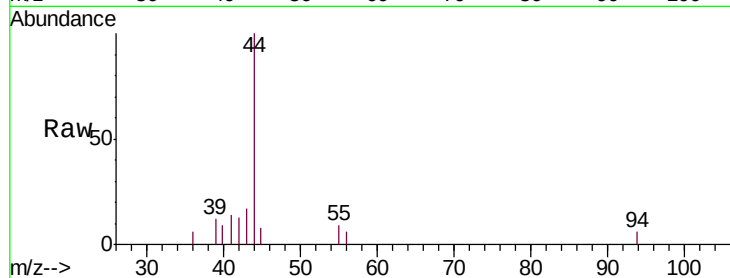




#5
Bromomethane
Concen: 14.321 ug/l
RT: 1.78 min Scan# 158
Delta R.T. 0.00 min
Lab File: VD059857.D
Acq: 21 Aug 2018 15:54

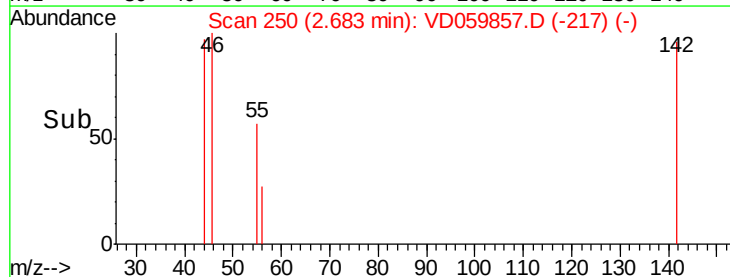
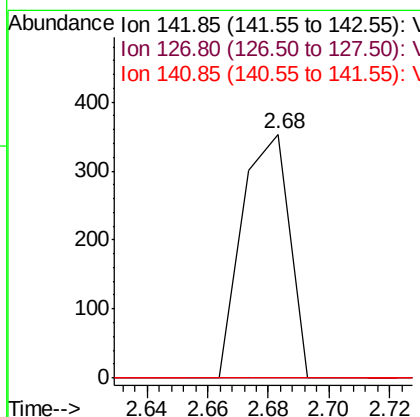
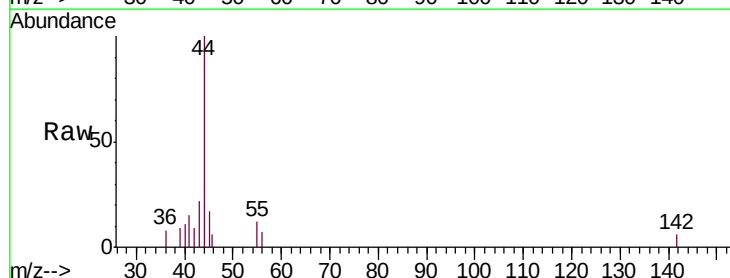
Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-037

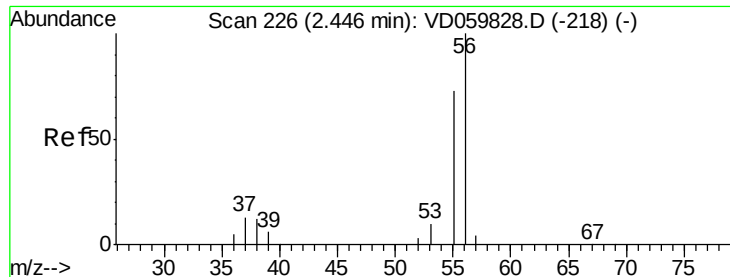
Tgt Ion: 94 Resp: 182
Ion Ratio Lower Upper
94 100
96 0.0 70.8 106.2#



#10
Methyl Iodide
Concen: 6.053 ug/l
RT: 2.68 min Scan# 250
Delta R.T. 0.02 min
Lab File: VD059857.D
Acq: 21 Aug 2018 15:54

Tgt Ion: 142 Resp: 386
Ion Ratio Lower Upper
142 100
127 0.0 46.6 69.8#
141 0.0 11.7 17.5#





#13

Acrolein

Concen: 121.682 ug/l

RT: 2.41 min Scan# 222

Delta R.T. -0.04 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

Instrument :

MSVOA_D

ClientSampleId :

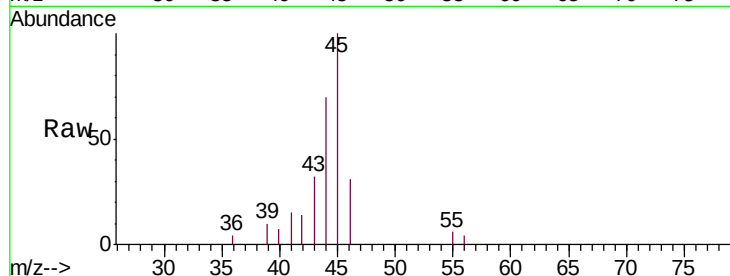
FK-PS-01-037

Tgt Ion: 56 Resp: 607

Ion Ratio Lower Upper

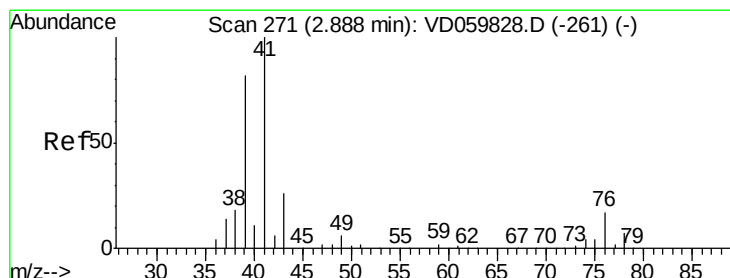
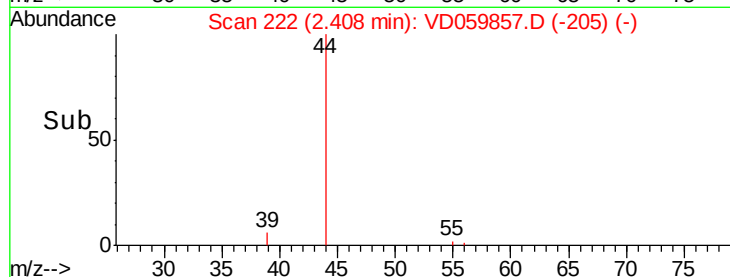
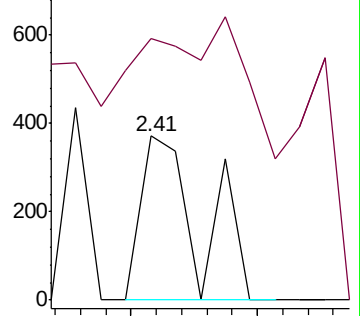
56 100

55 159.3 60.4 90.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 12.727 ug/l

RT: 2.90 min Scan# 272

Delta R.T. 0.01 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

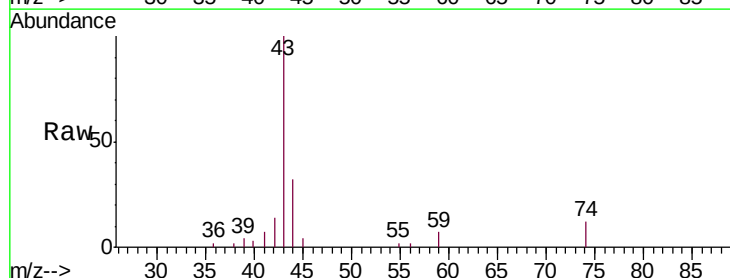
Tgt Ion: 41 Resp: 1648

Ion Ratio Lower Upper

41 100

39 58.3 65.9 98.9#

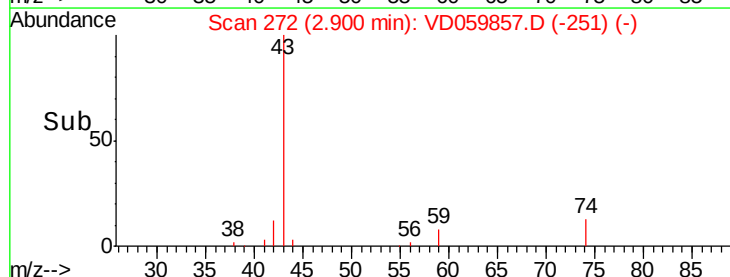
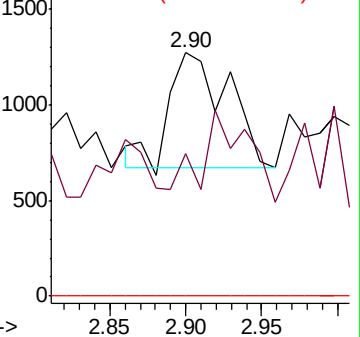
76 0.0 19.9 29.9#

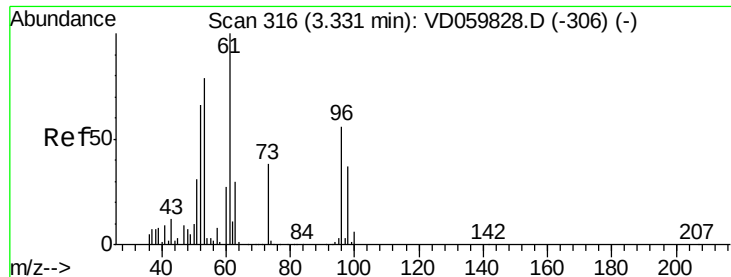


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 43.890 ug/l

RT: 3.32 min Scan# 315

Delta R.T. -0.01 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-037

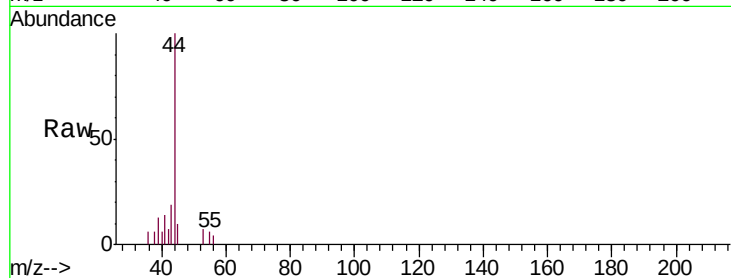
Tgt Ion: 53 Resp: 994

Ion Ratio Lower Upper

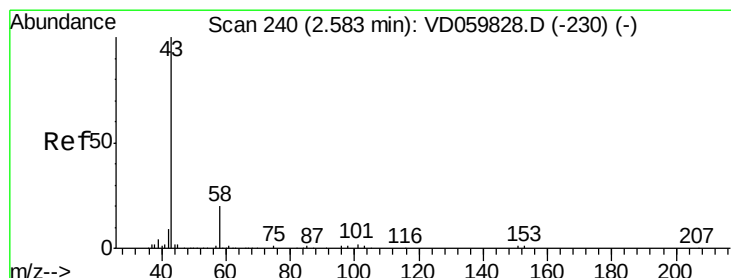
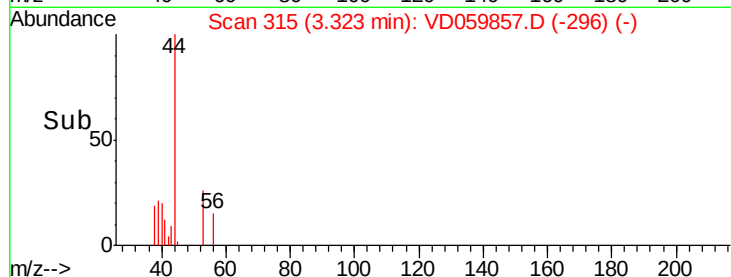
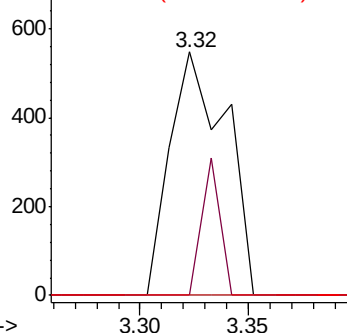
53 100

52 0.0 66.8 100.2#

51 0.0 31.6 47.4#



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: 605.217 ug/l

RT: 2.58 min Scan# 240

Delta R.T. 0.00 min

Lab File: VD059857.D

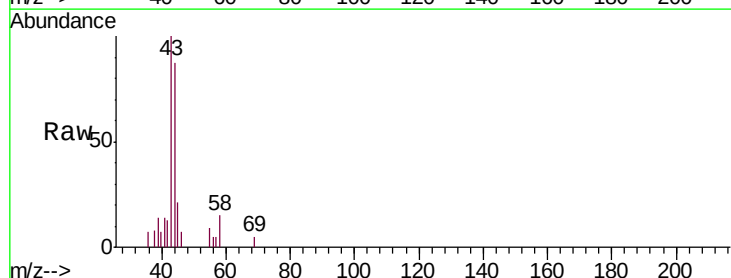
Acq: 21 Aug 2018 15:54

Tgt Ion: 43 Resp: 13427

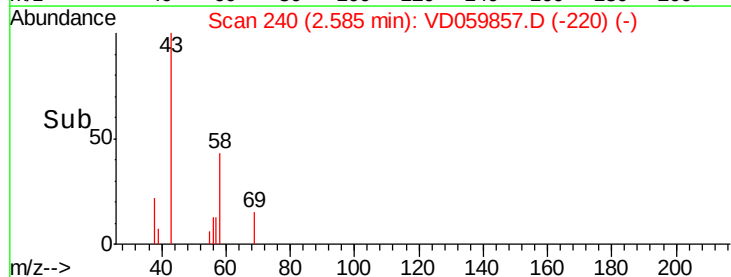
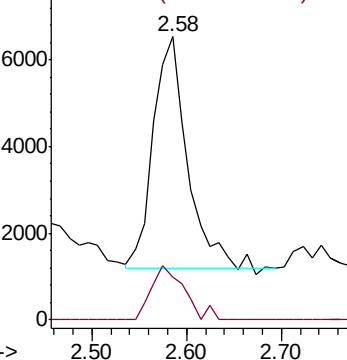
Ion Ratio Lower Upper

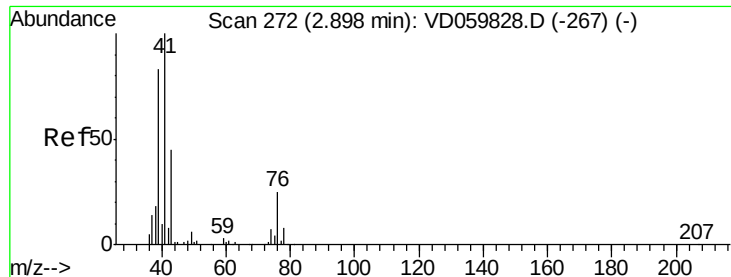
43 100

58 15.0 16.2 24.2#



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

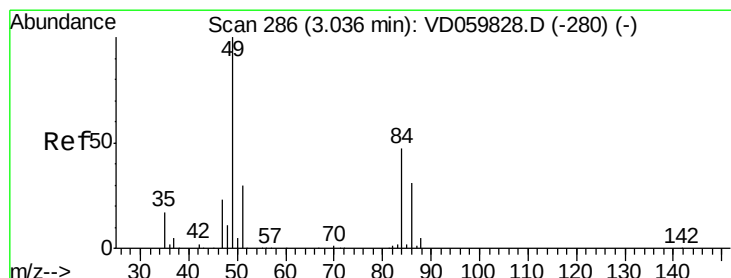
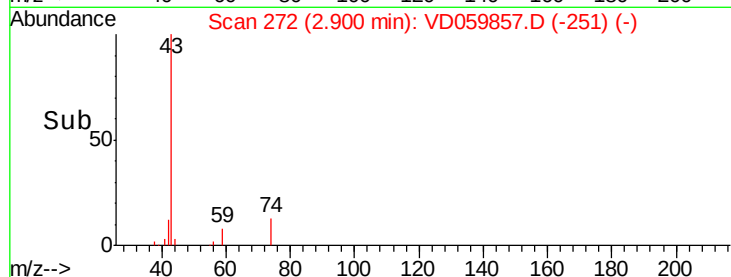
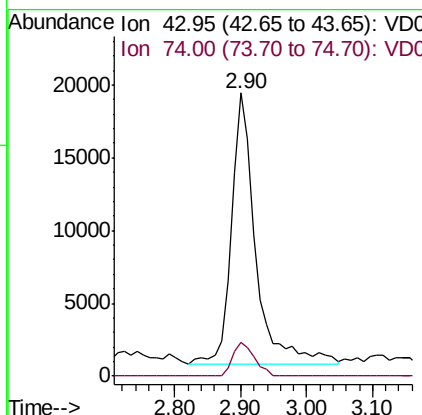
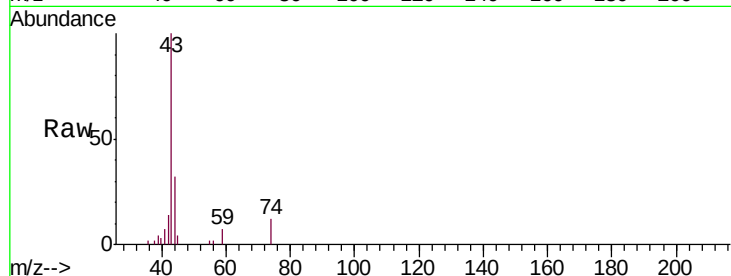




#18
Methyl Acetate
Concen: 1112.836 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.00 min
Lab File: VD059857.D
Acq: 21 Aug 2018 15:54

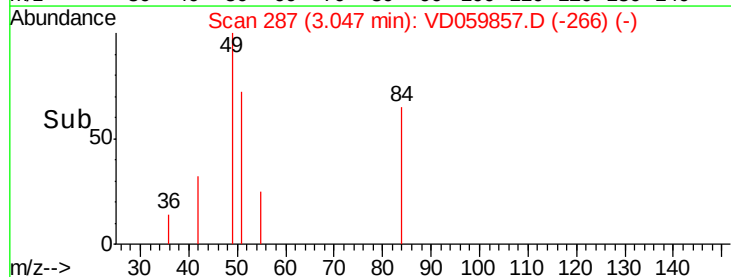
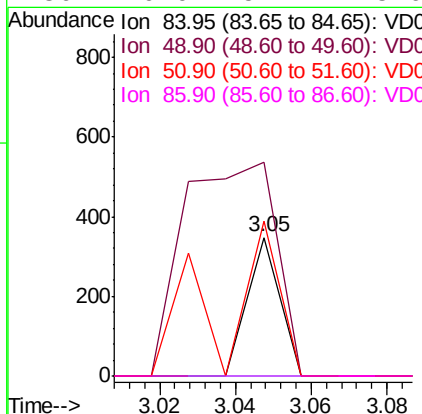
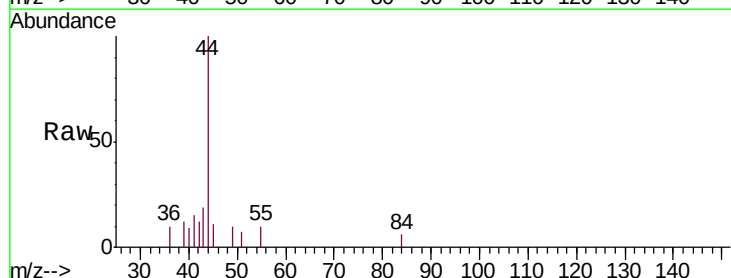
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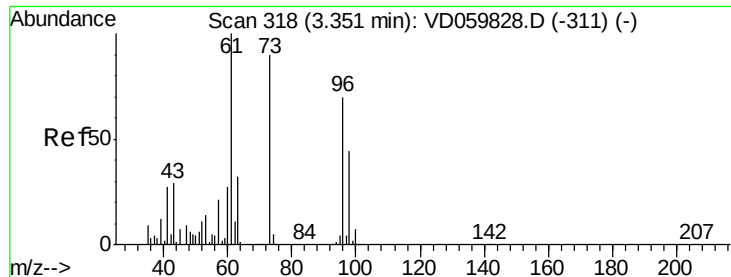
Tgt Ion: 43 Resp: 47851
Ion Ratio Lower Upper
43 100
74 12.1 11.4 17.0



#20
Methylene Chloride
Concen: Below Cal
RT: 3.05 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD059857.D
Acq: 21 Aug 2018 15:54

Tgt Ion: 84 Resp: 205
Ion Ratio Lower Upper
84 100
49 154.0 170.4 255.6#
51 111.5 51.4 77.0#
86 0.0 52.4 78.6#





#21

trans-1,2-Dichloroethene

Concen: 1.982 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.01 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-037

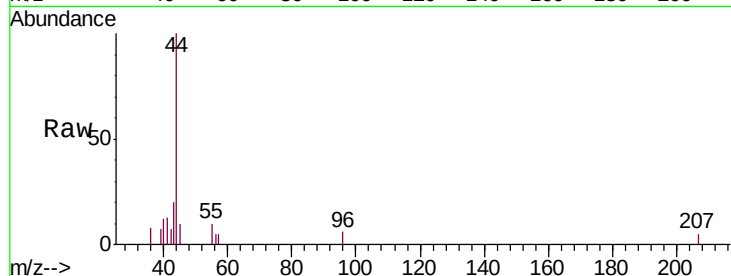
Tgt Ion: 96 Resp: 243

Ion Ratio Lower Upper

96 100

61 0.0 114.1 171.1#

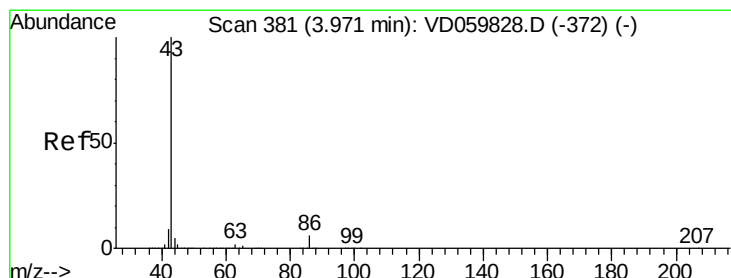
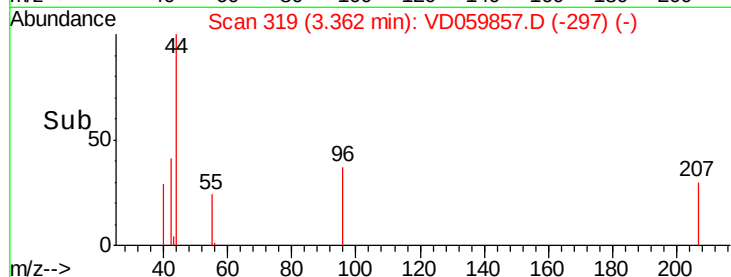
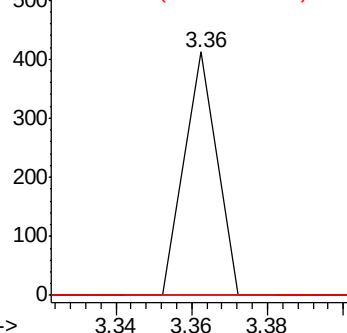
98 0.0 50.1 75.1#



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#23

Vinyl Acetate

Concen: 15.690 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD059857.D

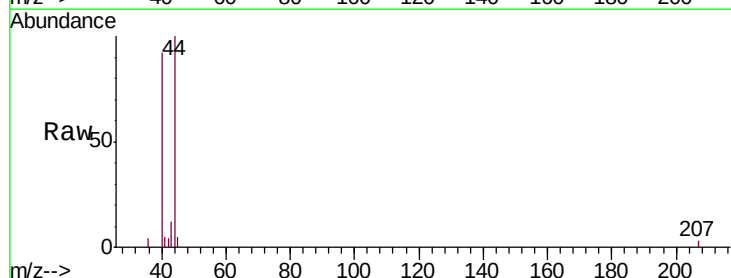
Acq: 21 Aug 2018 15:54

Tgt Ion: 43 Resp: 5575

Ion Ratio Lower Upper

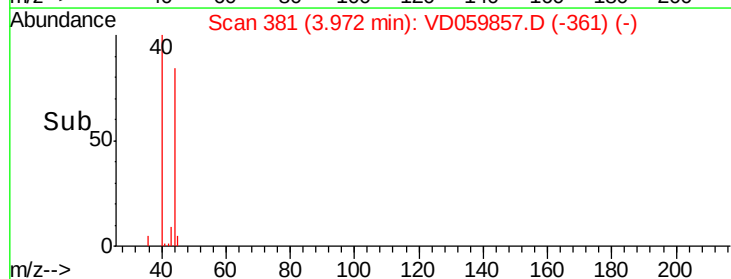
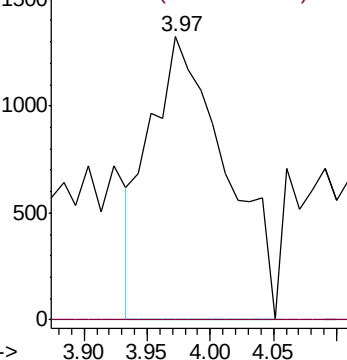
43 100

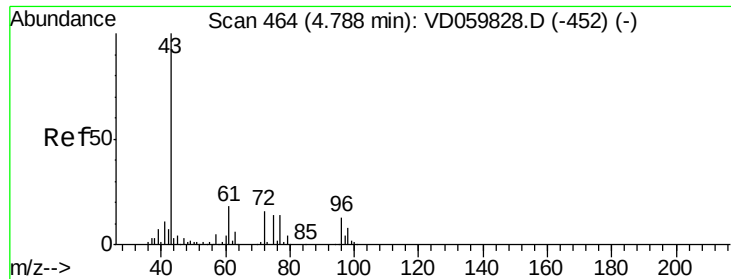
86 0.0 4.6 7.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC





#25

2-Butanone

Concen: 7536.630 ug/l

RT: 4.88 min Scan# 473

Delta R.T. 0.09 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

Instrument :

MSVOA_D

ClientSampleId :

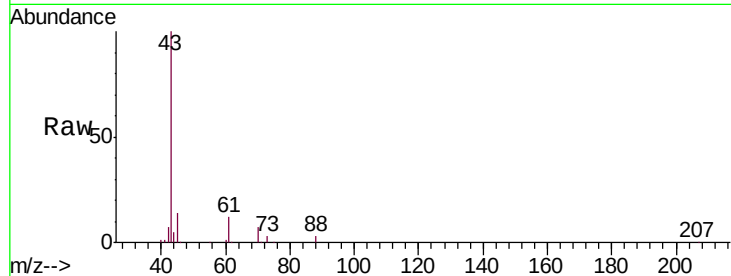
FK-PS-01-037

Tgt Ion: 43 Resp: 505399

Ion Ratio Lower Upper

43 100

72 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

4.88

200000

150000

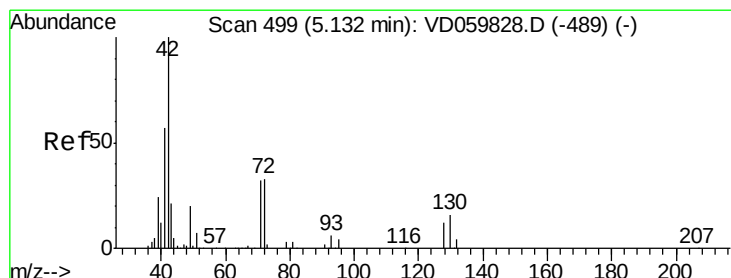
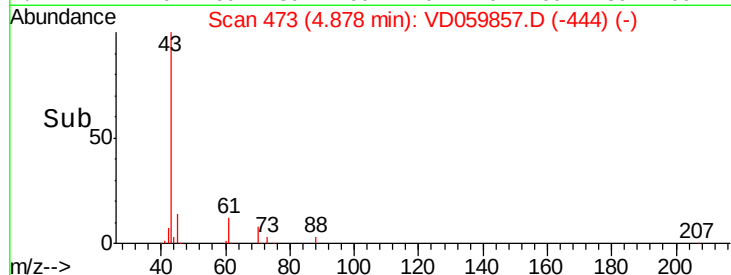
100000

50000

0

4.80 4.90 5.00

Time-->



#29

Tetrahydrofuran

Concen: 45.856 ug/l

RT: 5.15 min Scan# 501

Delta R.T. 0.02 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

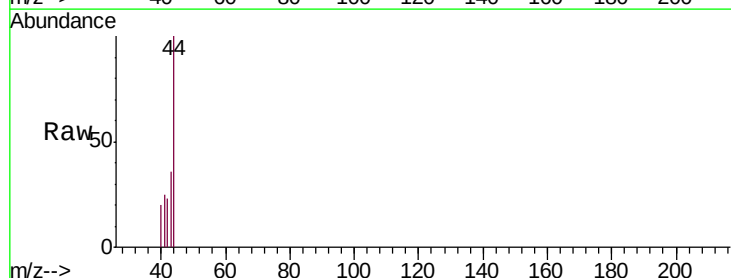
Tgt Ion: 42 Resp: 1557

Ion Ratio Lower Upper

42 100

72 0.0 25.8 38.6#

71 0.0 25.7 38.5#



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

600

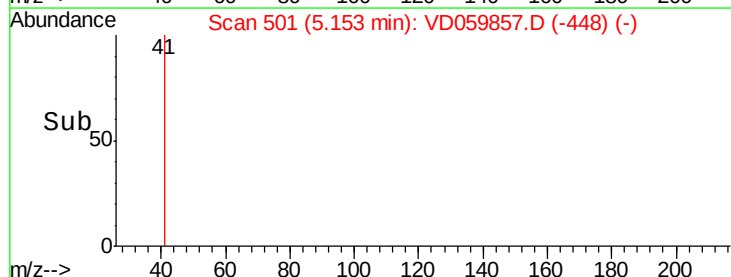
400

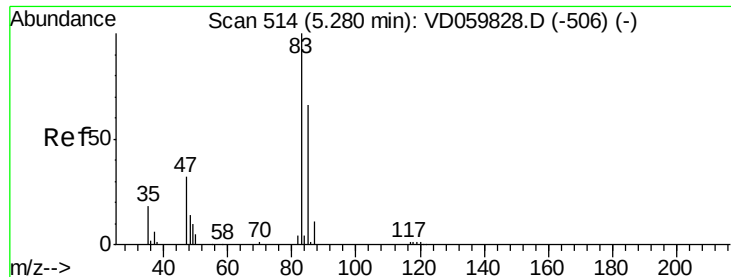
200

0

5.10 5.15 5.20

Time-->

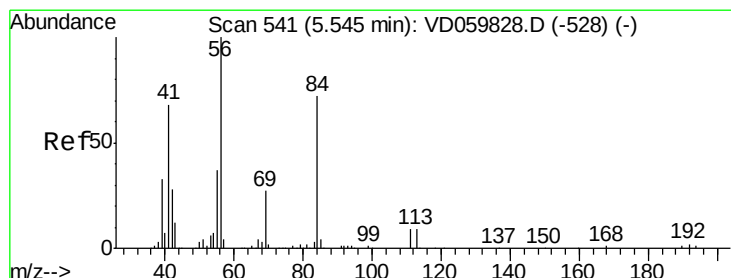
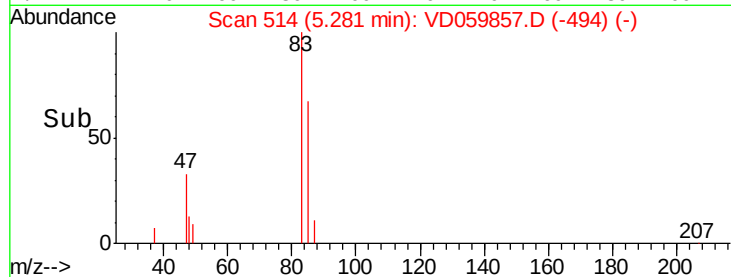
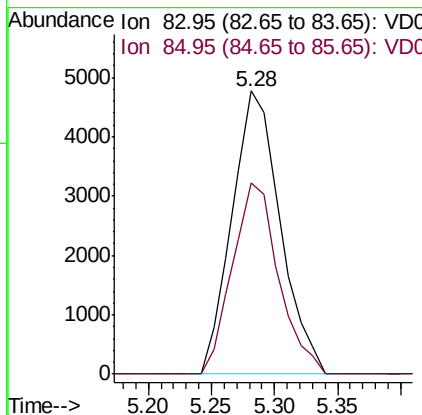
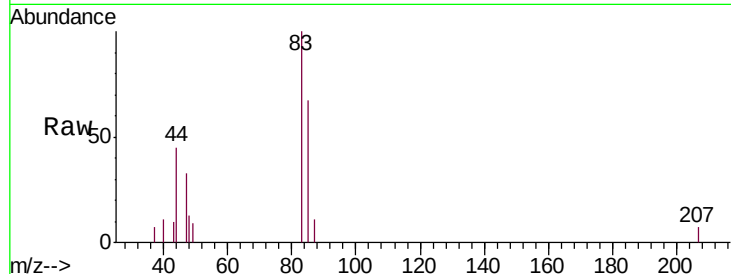




#30
Chloroform
Concen: 44.123 ug/l
RT: 5.28 min Scan# 514
Delta R.T. 0.00 min
Lab File: VD059857.D
Acq: 21 Aug 2018 15:54

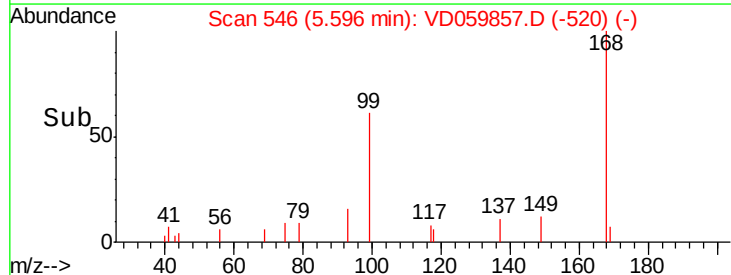
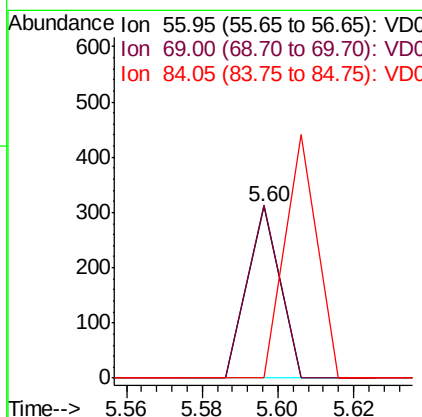
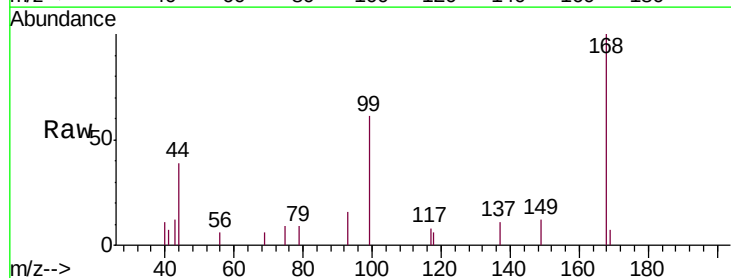
Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-037

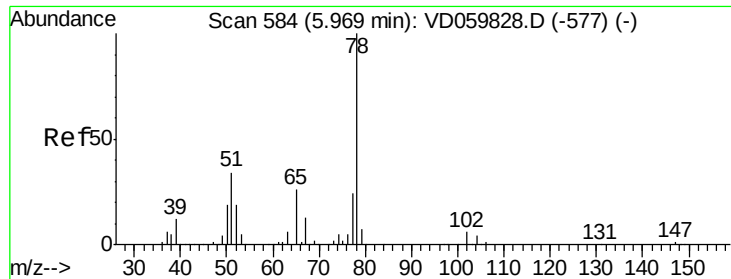
Tgt Ion: 83 Resp: 12666
Ion Ratio Lower Upper
83 100
85 67.3 52.9 79.3



#31
Cyclohexane
Concen: Below Cal
RT: 5.60 min Scan# 546
Delta R.T. 0.05 min
Lab File: VD059857.D
Acq: 21 Aug 2018 15:54

Tgt Ion: 56 Resp: 184
Ion Ratio Lower Upper
56 100
69 101.0 21.7 32.5#
84 0.0 57.8 86.6#

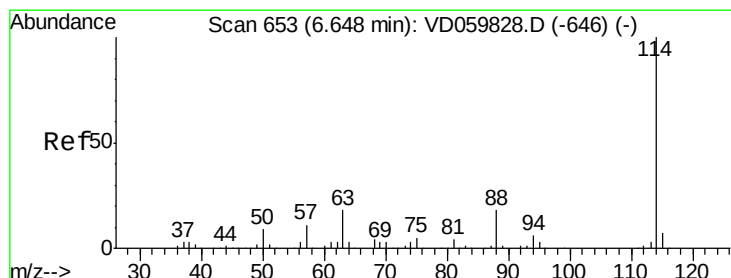
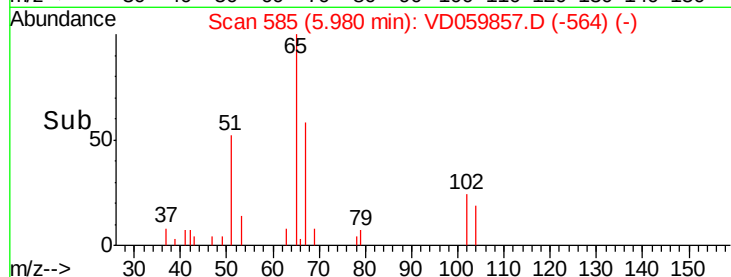
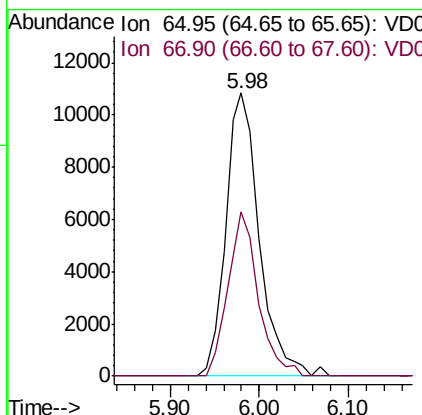
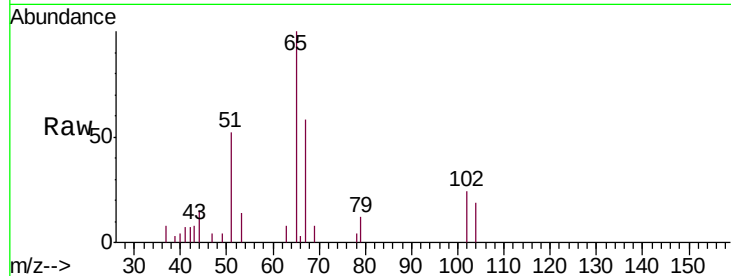




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 5.98 min Scan# 585
 Delta R.T. 0.01 min
 Lab File: VD059857.D
 Acq: 21 Aug 2018 15:54

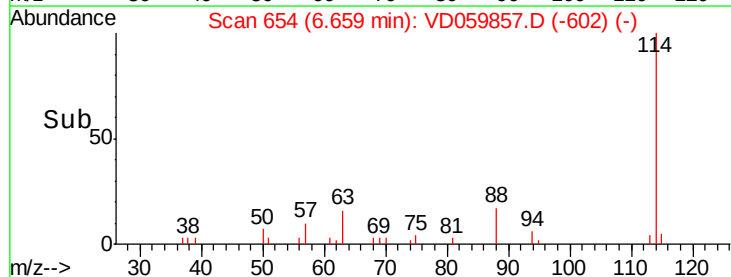
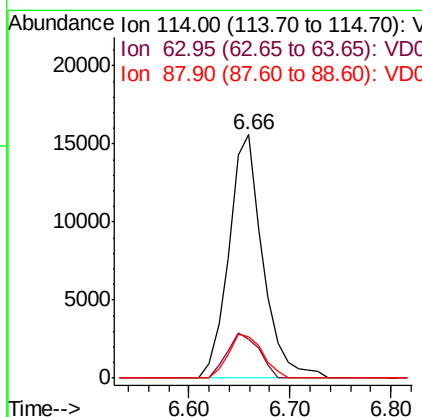
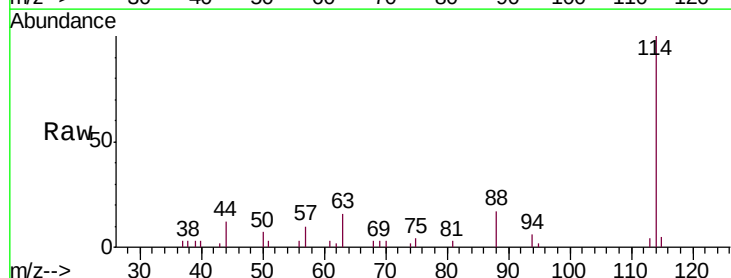
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-037

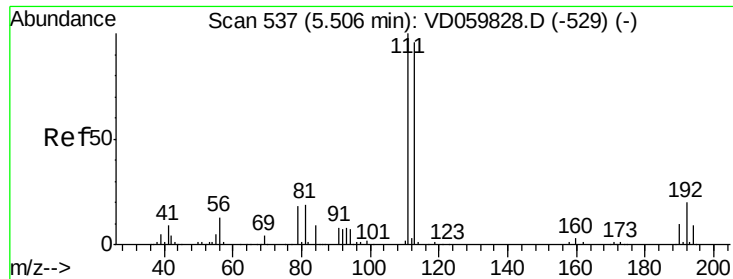
Tgt Ion: 65 Resp: 28545
 Ion Ratio Lower Upper
 65 100
 67 58.1 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. 0.01 min
 Lab File: VD059857.D
 Acq: 21 Aug 2018 15:54

Tgt Ion: 114 Resp: 36379
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 37.0
 88 16.9 0.0 37.0

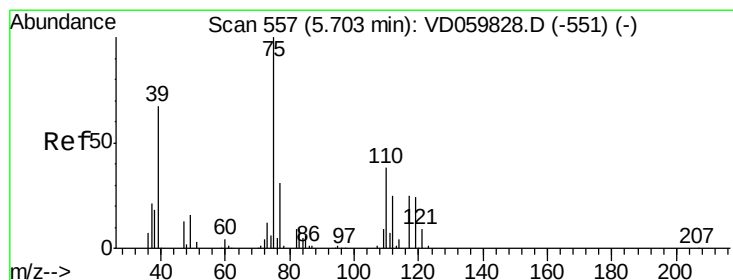
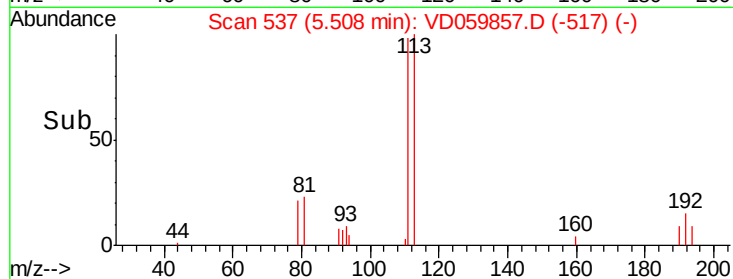
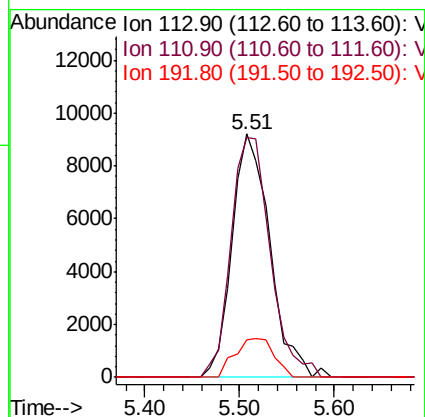
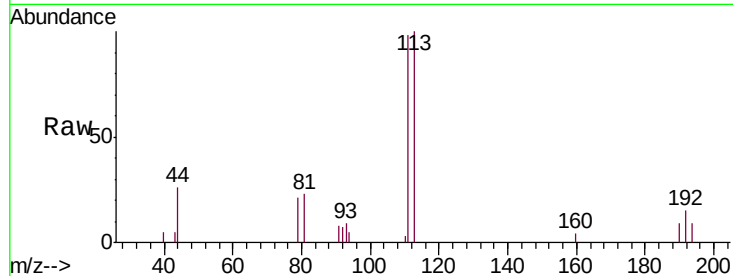




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.51 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VD059857.D
 Acq: 21 Aug 2018 15:54

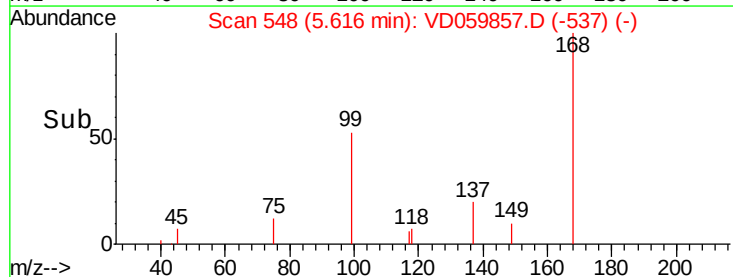
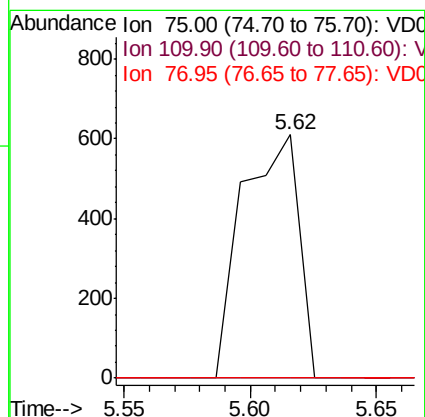
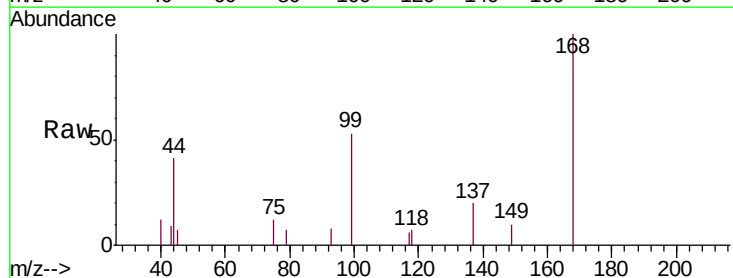
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-037

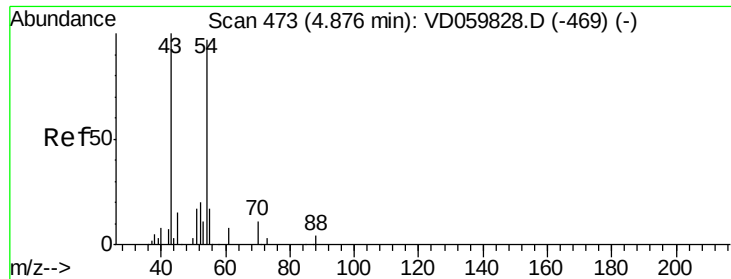
Tgt Ion: 113 Resp: 25520
 Ion Ratio Lower Upper
 113 100
 111 98.5 83.3 124.9
 192 15.3 16.8 25.2#



#36
 1,1-Dichloropropene
 Concen: 3.086 ug/l
 RT: 5.62 min Scan# 548
 Delta R.T. -0.09 min
 Lab File: VD059857.D
 Acq: 21 Aug 2018 15:54

Tgt Ion: 75 Resp: 952
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.8 56.4#
 77 0.0 24.9 37.3#

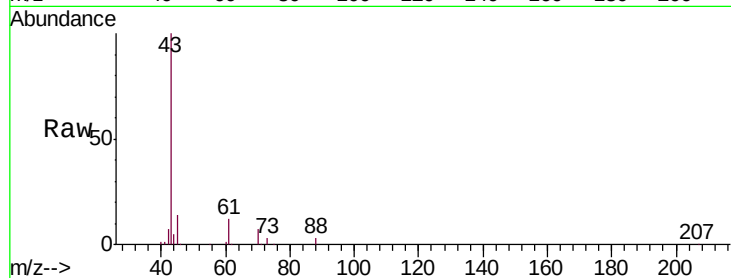




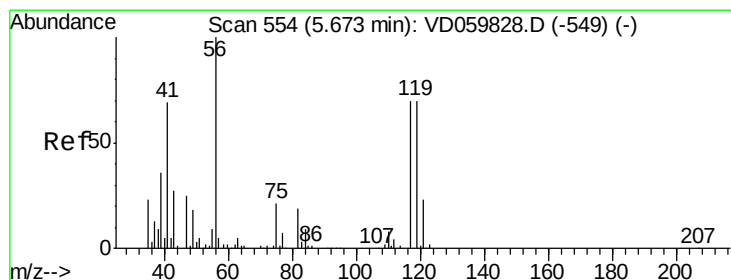
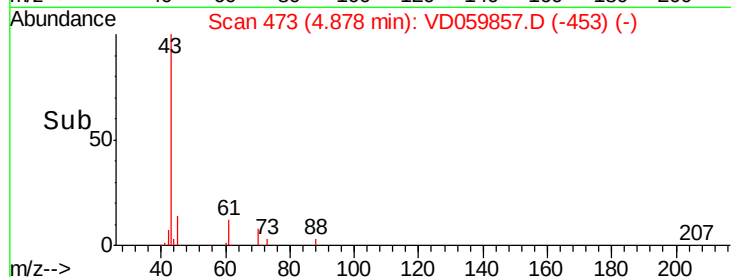
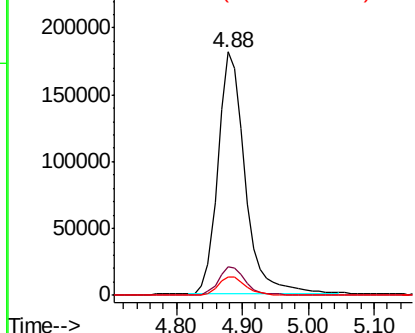
#37
Ethyl Acetate
Concen: 2276.194 ug/l
RT: 4.88 min Scan# 473
Delta R.T. 0.00 min
Lab File: VD059857.D
Acq: 21 Aug 2018 15:54

Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-037

Tgt Ion: 43 Resp: 520582
Ion Ratio Lower Upper
43 100
61 11.6 10.4 15.6
70 7.5 6.2 9.2

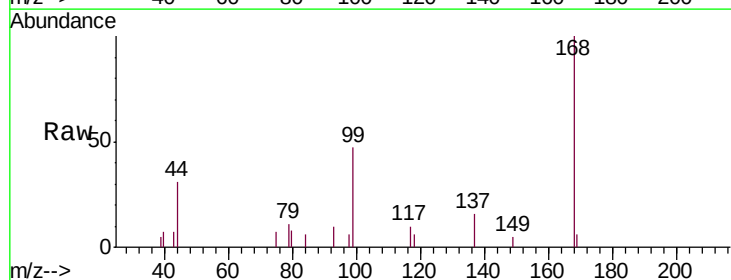


Abundance Ion 42.95 (42.65 to 43.65): VDC
250000 Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

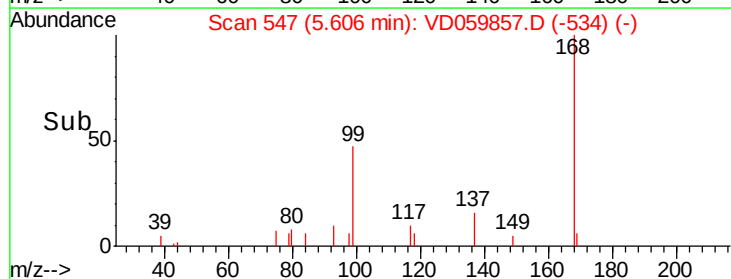
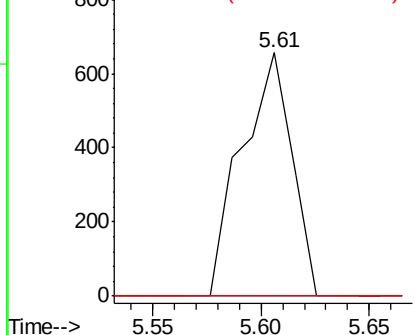


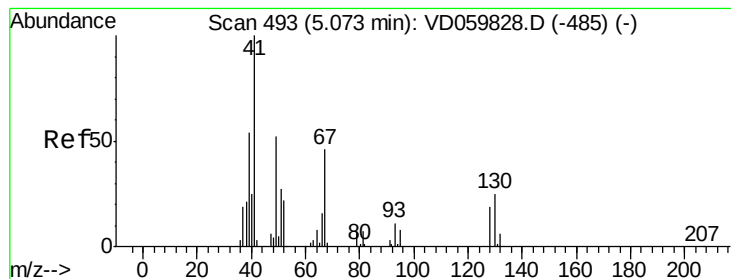
#38
Carbon Tetrachloride
Concen: 3.426 ug/l
RT: 5.61 min Scan# 547
Delta R.T. -0.07 min
Lab File: VD059857.D
Acq: 21 Aug 2018 15:54

Tgt Ion: 117 Resp: 1055
Ion Ratio Lower Upper
117 100
119 0.0 77.0 115.4#
121 0.0 24.7 37.1#



Abundance Ion 116.85 (116.55 to 117.55): V
800 Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#41

Methacrylonitrile

Concen: 6.034 ug/l

RT: 5.09 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-037

Tgt Ion: 41 Resp: 707

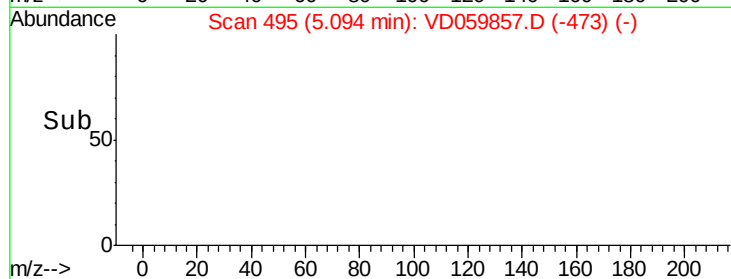
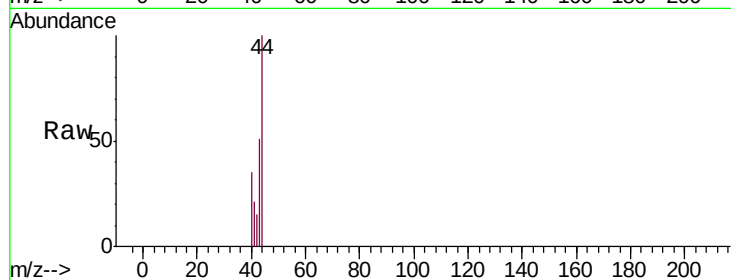
Ion Ratio Lower Upper

41 100

39 0.0 43.0 64.6#

67 0.0 36.7 55.1#

52 0.0 18.0 27.0#

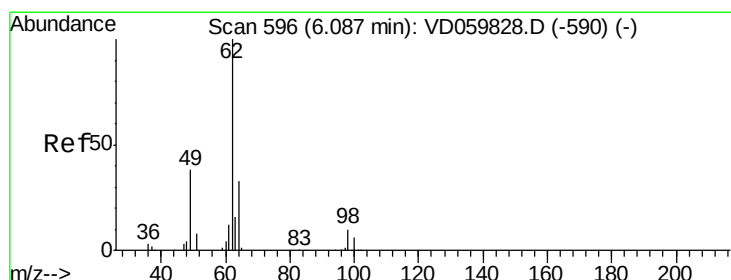
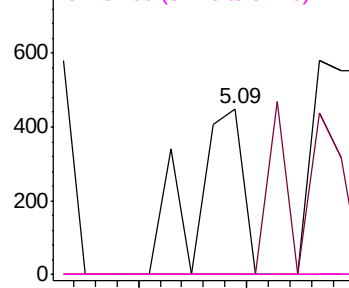


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 1.671 ug/l

RT: 6.09 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD059857.D

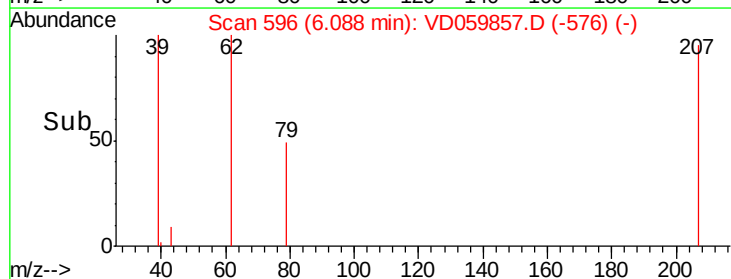
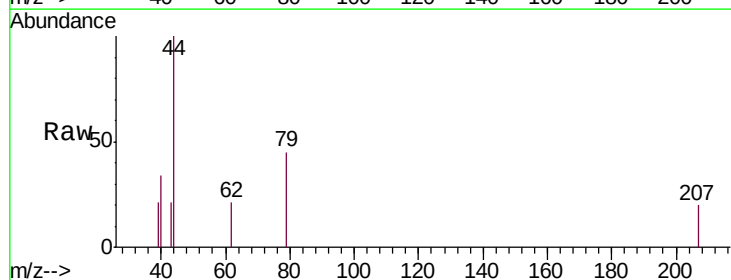
Acq: 21 Aug 2018 15:54

Tgt Ion: 62 Resp: 435

Ion Ratio Lower Upper

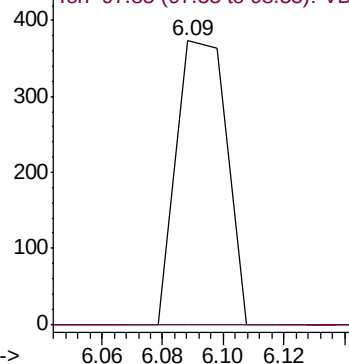
62 100

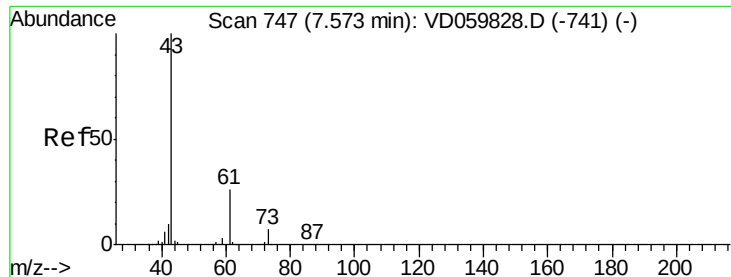
98 0.0 0.0 19.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 611.207 ug/l

RT: 7.76 min Scan# 766

Delta R.T. 0.19 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-037

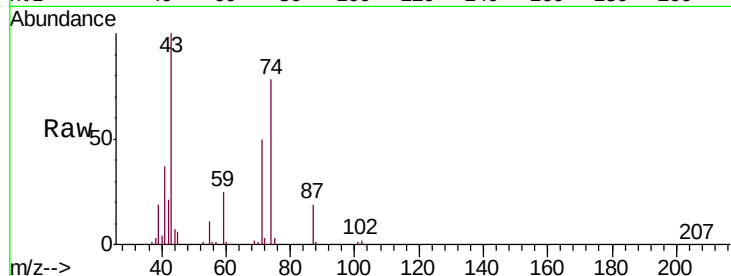
Tgt Ion: 43 Resp: 193345

Ion Ratio Lower Upper

43 100

61 0.0 21.0 31.4#

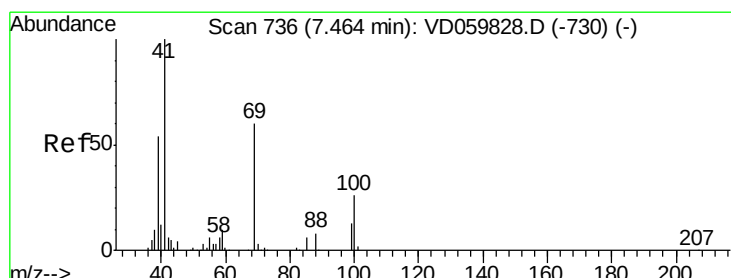
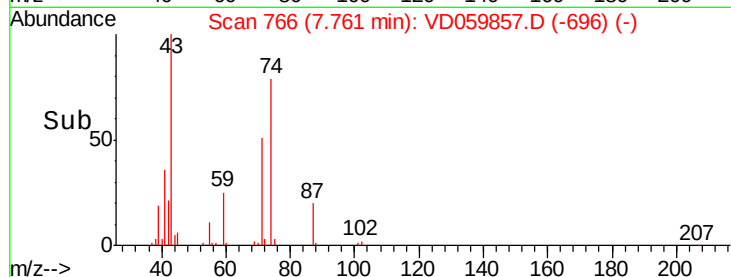
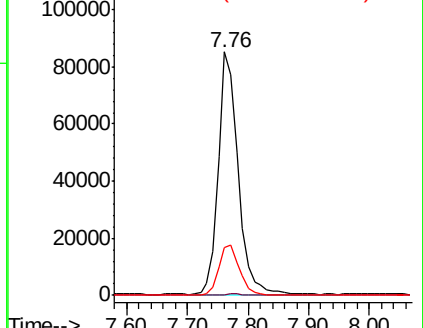
87 19.4 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#48

Methyl methacrylate

Concen: 7.640 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

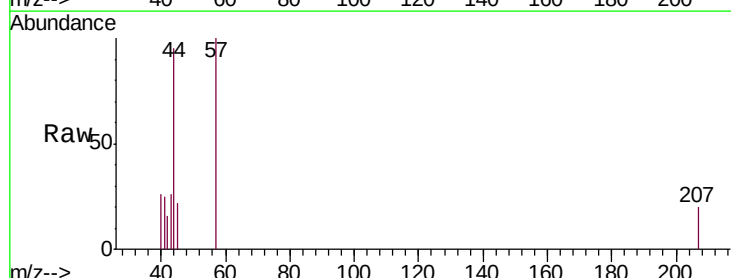
Tgt Ion: 41 Resp: 1333

Ion Ratio Lower Upper

41 100

69 0.0 47.0 70.4#

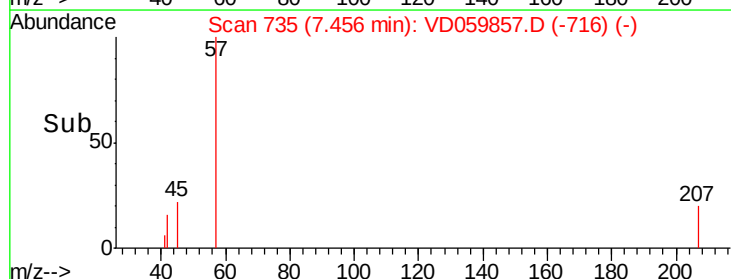
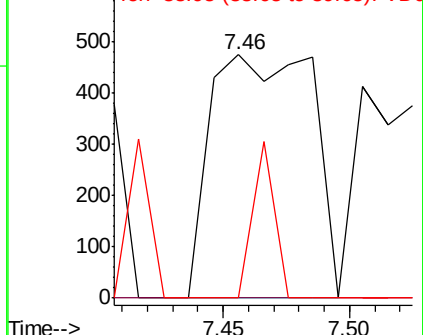
39 0.0 43.4 65.2#

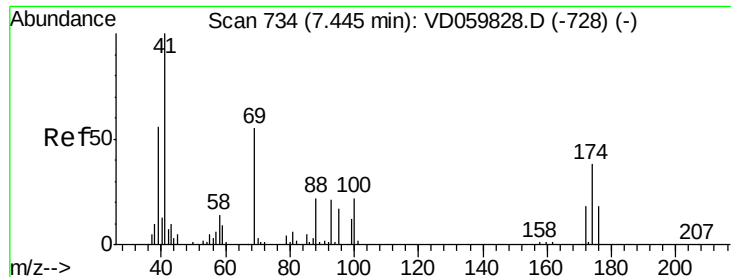


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1195.445 ug/l

RT: 7.77 min Scan# 767

Delta R.T. 0.33 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-037

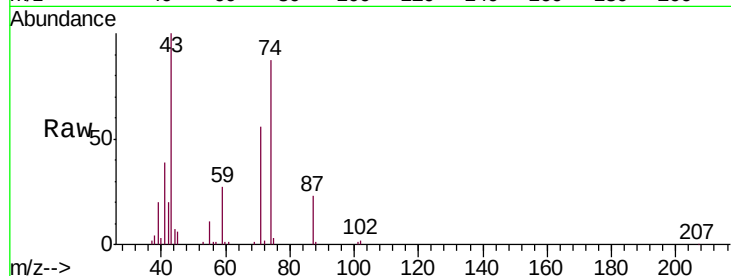
Tgt Ion: 88 Resp: 1765

Ion Ratio Lower Upper

88 100

43 9312.2 41.4 62.0#

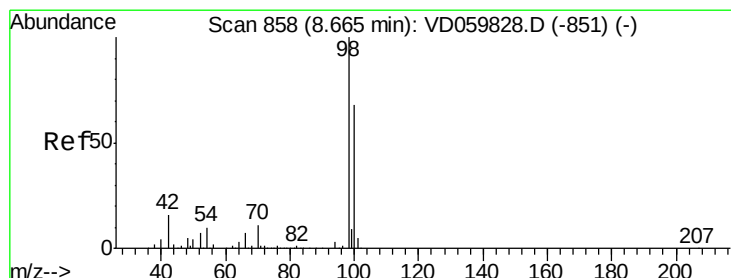
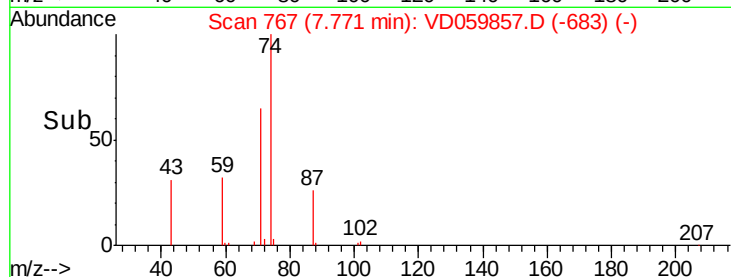
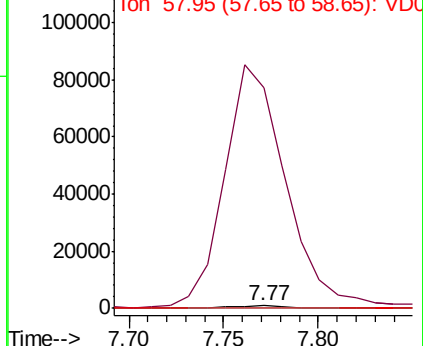
58 0.0 52.4 78.6#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1195.445 ug/l

RT: 8.67 min Scan# 858

Delta R.T. 0.00 min

Lab File: VD059857.D

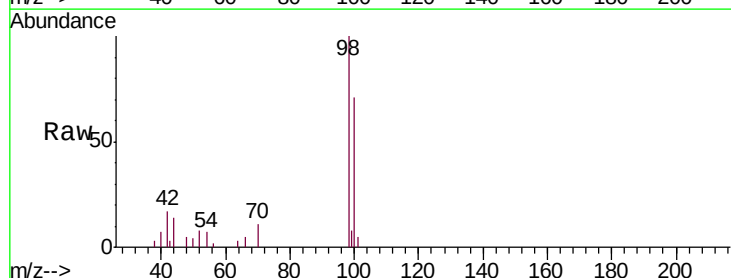
Acq: 21 Aug 2018 15:54

Tgt Ion: 98 Resp: 33662

Ion Ratio Lower Upper

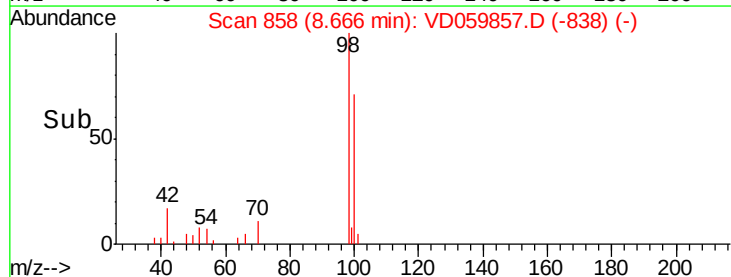
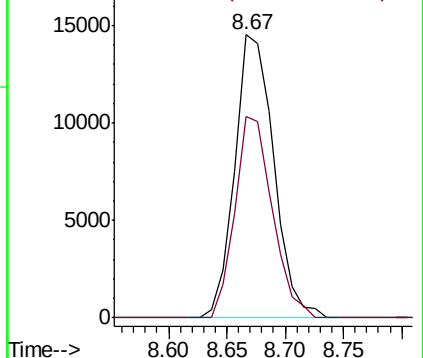
98 100

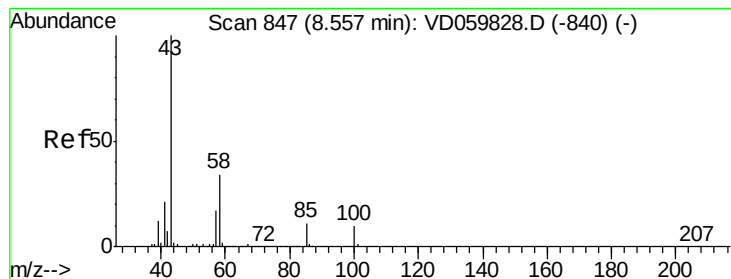
100 71.4 55.0 82.4



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: 6.246 ug/l

RT: 8.56 min Scan# 847

Delta R.T. 0.00 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

Instrument :

MSVOA_D

ClientSampleId :

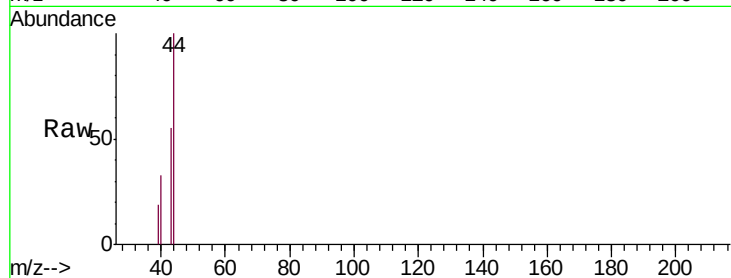
FK-PS-01-037

Tgt Ion: 43 Resp: 1321

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.56

1000

800

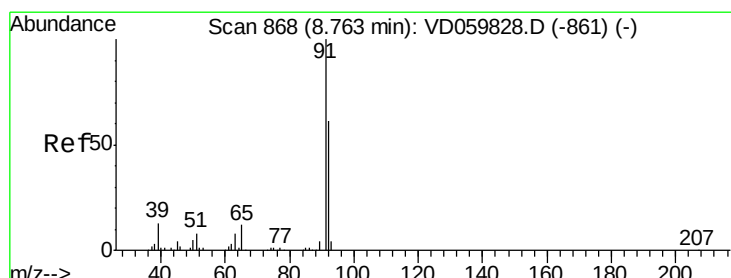
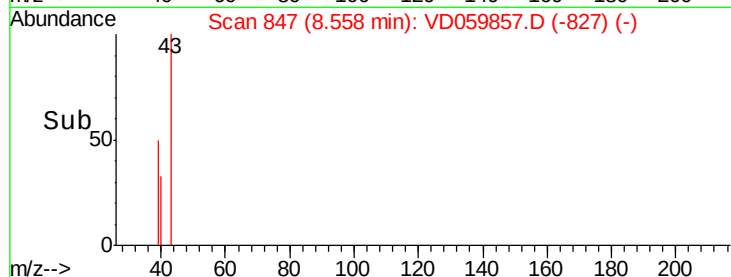
600

400

200

0

Time-->



#52

Toluene

Concen: 1.292 ug/l

RT: 8.78 min Scan# 870

Delta R.T. 0.02 min

Lab File: VD059857.D

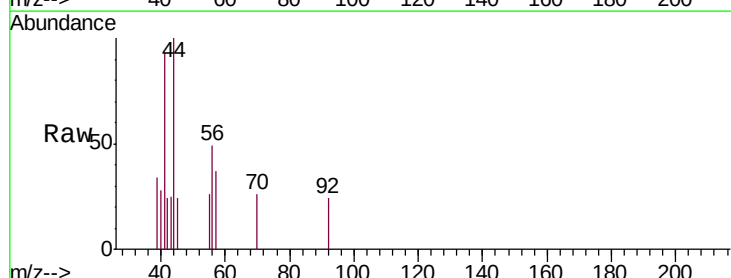
Acq: 21 Aug 2018 15:54

Tgt Ion: 92 Resp: 653

Ion Ratio Lower Upper

92 100

91 0.0 131.7 197.5#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.78

1000

800

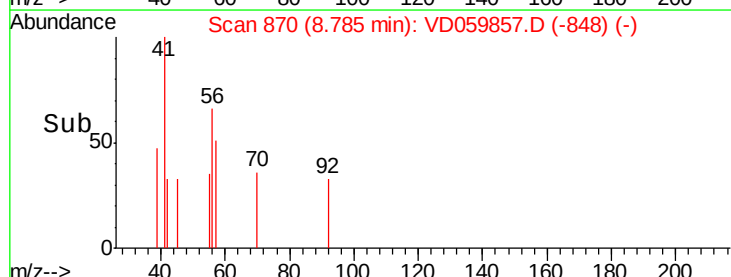
600

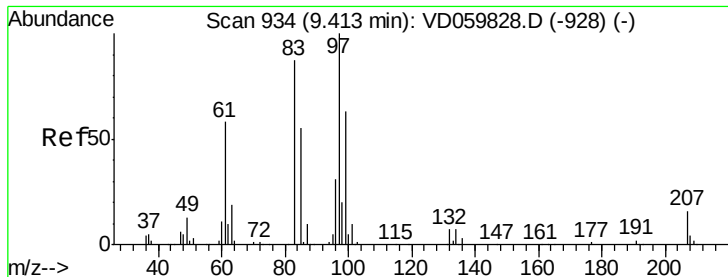
400

200

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 1.902 ug/l

RT: 9.41 min Scan# 934

Delta R.T. 0.00 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-037

Tgt Ion: 97 Resp: 347

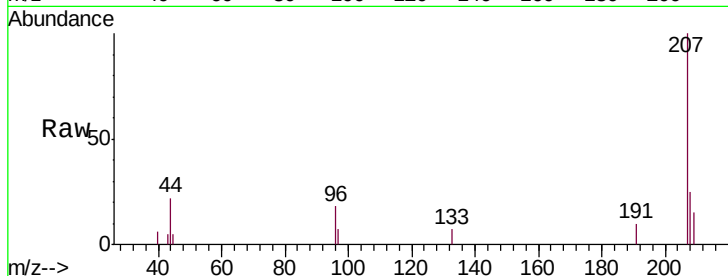
Ion Ratio Lower Upper

97 100

83 0.0 69.2 103.8#

85 0.0 44.3 66.5#

99 0.0 50.6 76.0#

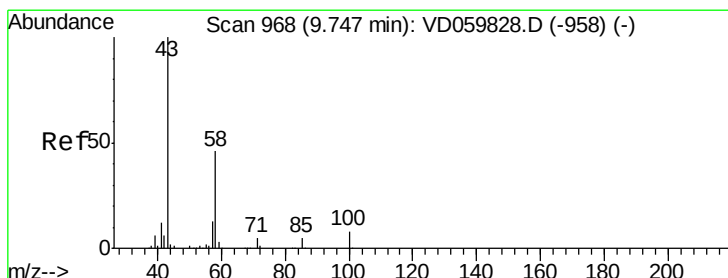
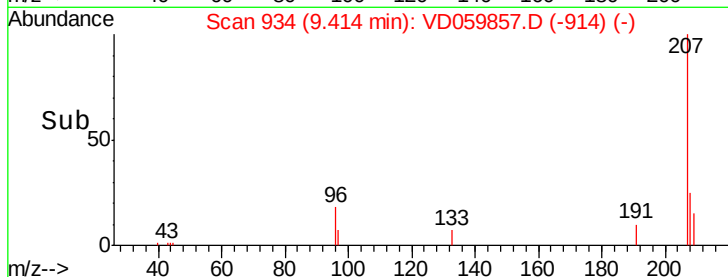
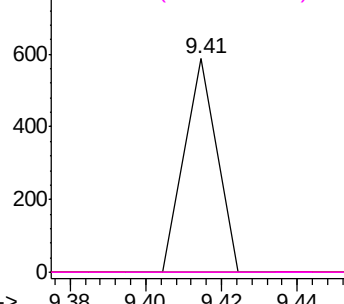


Abundance Ion 96.85 (96.55 to 97.55): VDC

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



#59

2-Hexanone

Concen: 5613.141 ug/l

RT: 9.62 min Scan# 955

Delta R.T. -0.13 min

Lab File: VD059857.D

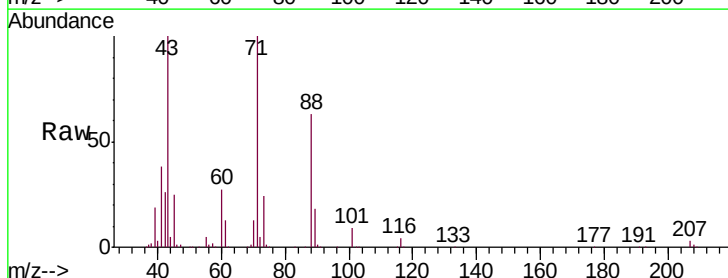
Acq: 21 Aug 2018 15:54

Tgt Ion: 43 Resp: 877459

Ion Ratio Lower Upper

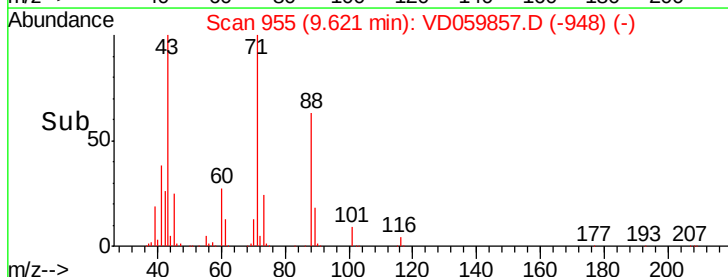
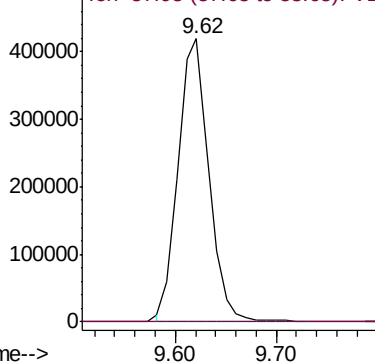
43 100

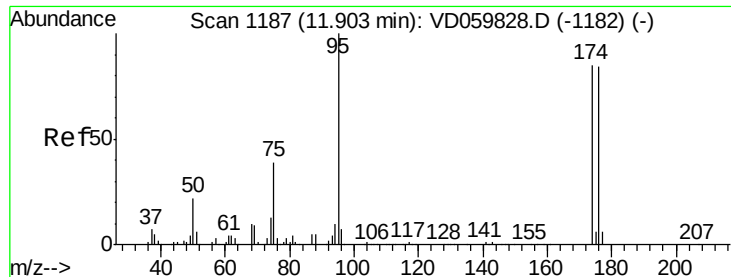
58 0.3 23.1 69.2#



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: 11.90 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-037

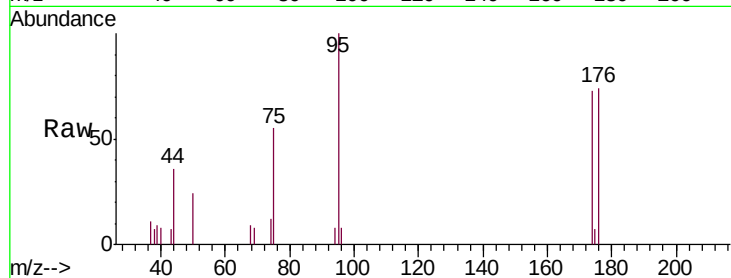
Tgt Ion: 95 Resp: 6724

Ion Ratio Lower Upper

95 100

174 72.8 0.0 169.2

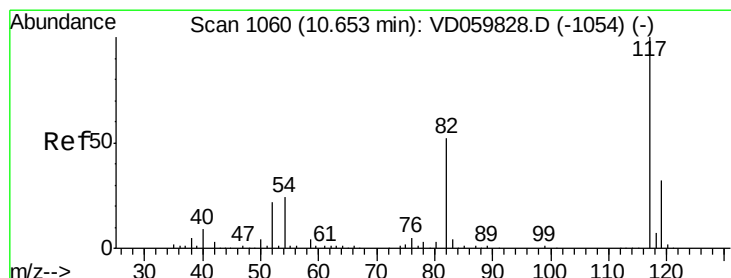
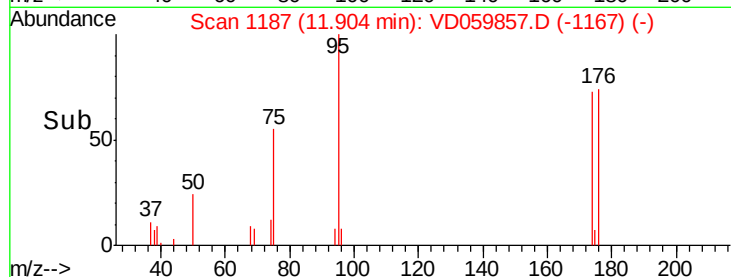
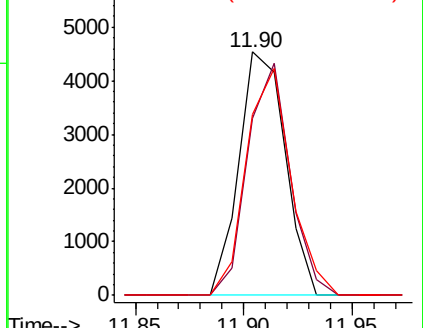
176 74.1 0.0 168.0



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: 10.66 min Scan# 1061

Delta R.T. 0.01 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

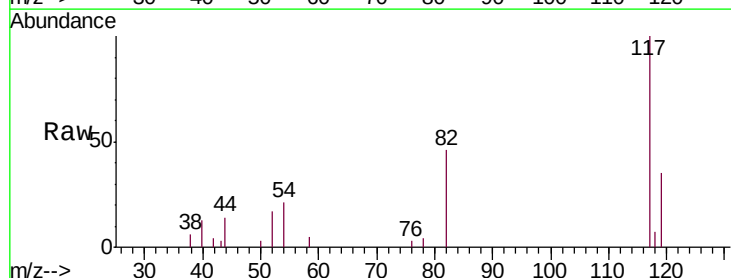
Tgt Ion: 117 Resp: 19549

Ion Ratio Lower Upper

117 100

82 45.9 41.6 62.4

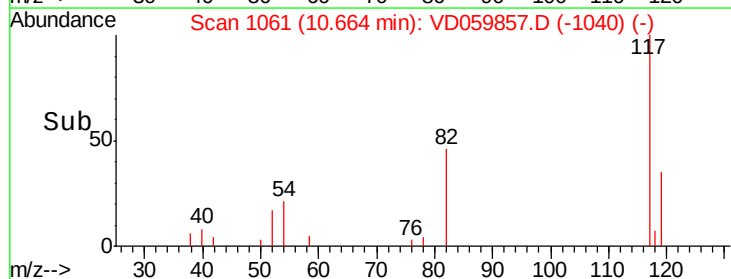
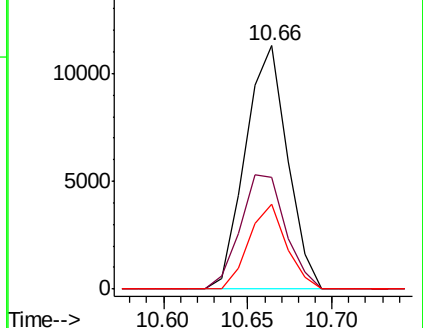
119 35.1 25.6 38.4

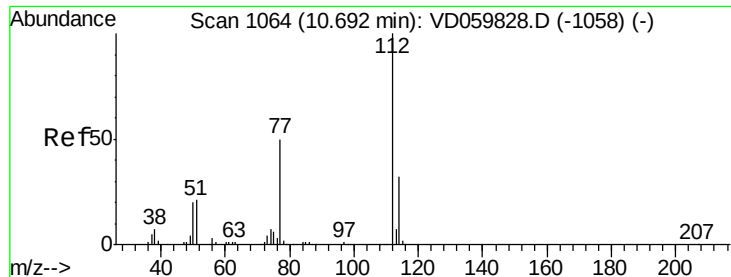


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#65

Chlorobenzene

Concen: 2.095 ug/l

RT: 10.69 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

Instrument :

MSVOA_D

ClientSampleId :

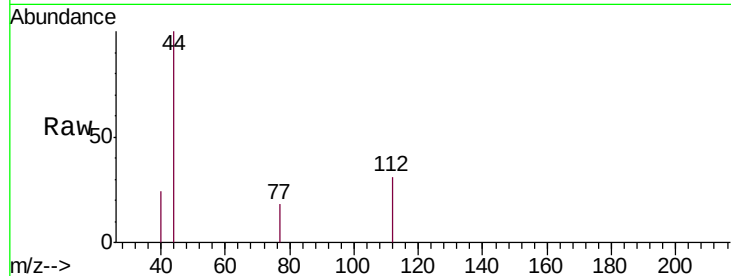
FK-PS-01-037

Tgt Ion:112 Resp: 790

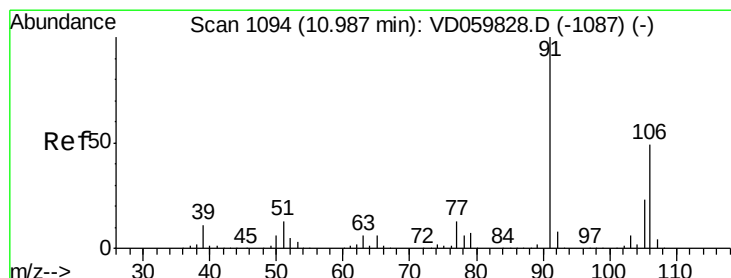
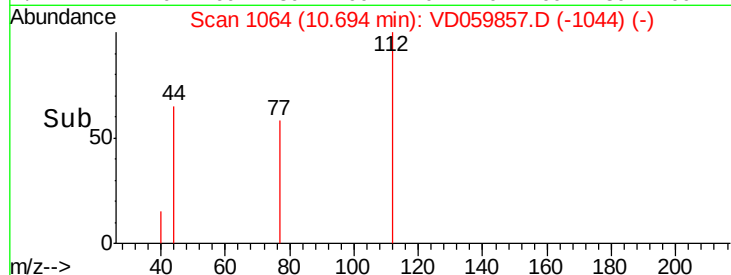
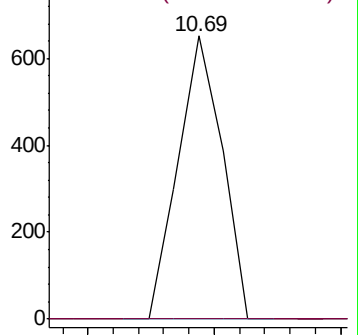
Ion Ratio Lower Upper

112 100

114 0.0 25.7 38.5#



Abundance Ion 111.90 (111.60 to 112.60): V



#68

m/p-Xylenes

Concen: 1.441 ug/l

RT: 10.99 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD059857.D

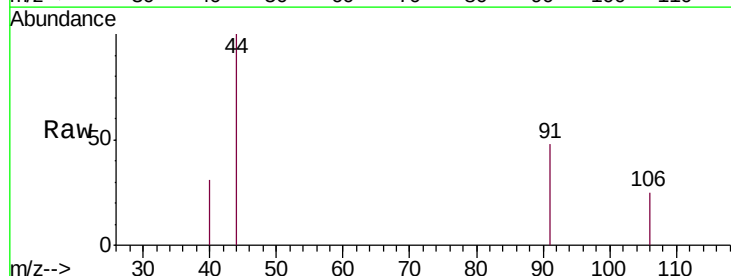
Acq: 21 Aug 2018 15:54

Tgt Ion:106 Resp: 253

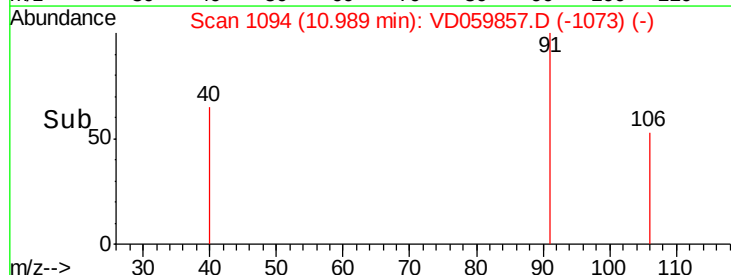
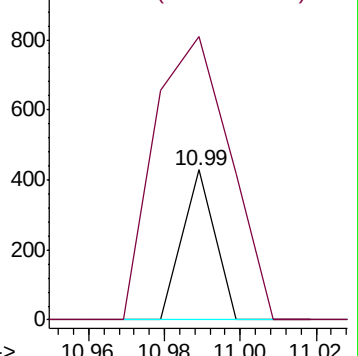
Ion Ratio Lower Upper

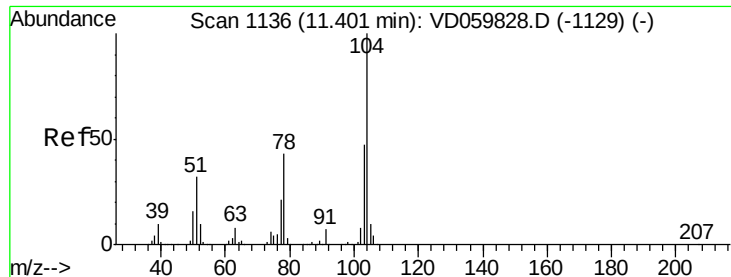
106 100

91 188.8 161.8 242.8



Abundance Ion 106.05 (105.75 to 106.75): V





#70

Styrene

Concen: 1.299 ug/l

RT: 11.41 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-037

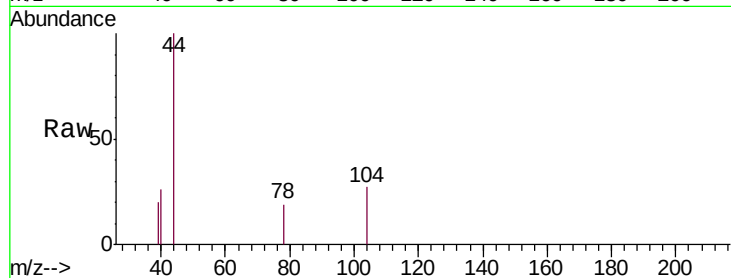
Tgt Ion:104 Resp: 494

Ion Ratio Lower Upper

104 100

78 71.6 34.6 52.0#

103 0.0 37.8 56.6#

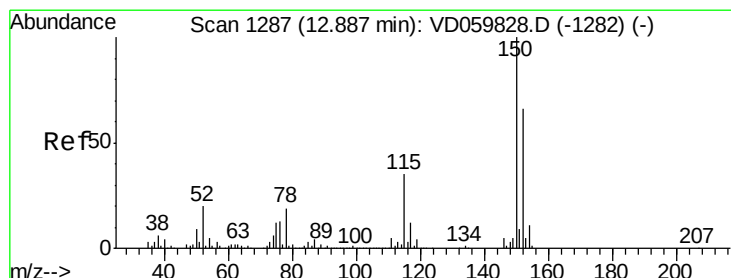
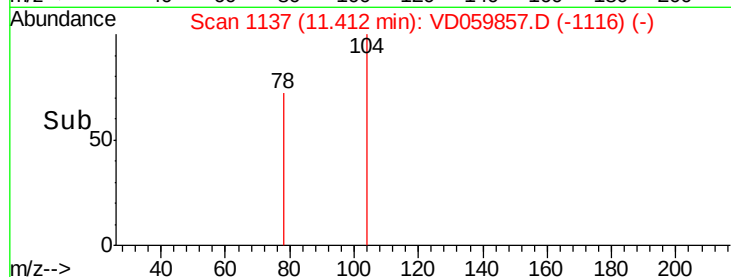
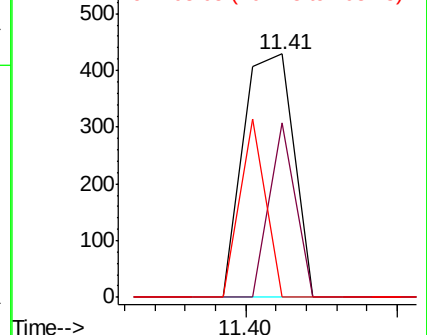


Abundance

Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

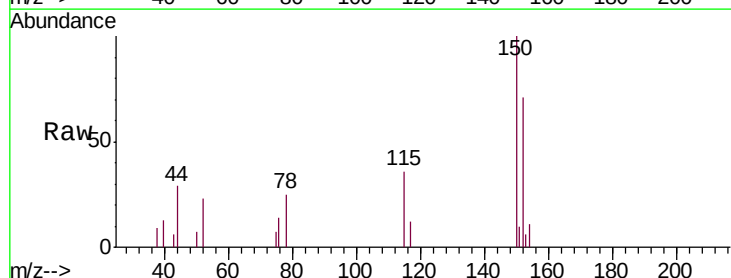
Tgt Ion:152 Resp: 4735

Ion Ratio Lower Upper

152 100

115 50.6 26.9 80.6

150 141.4 0.0 306.8

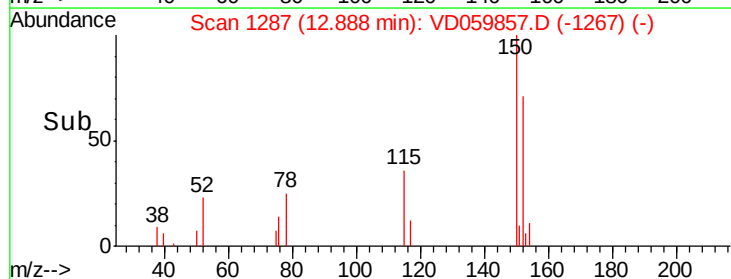
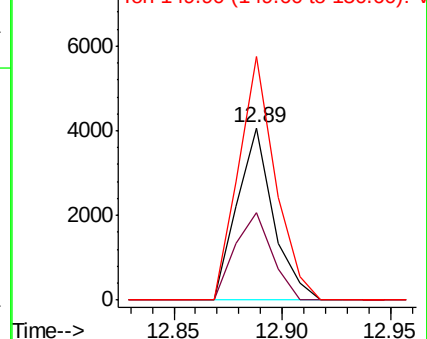


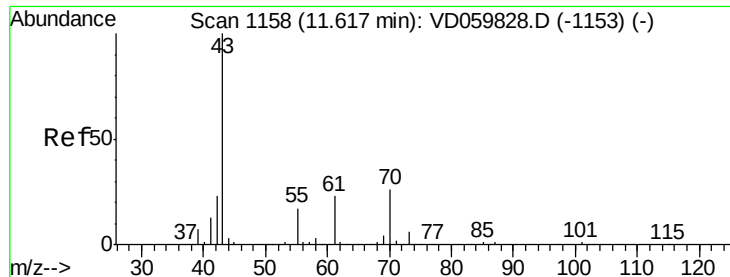
Abundance

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





#74

N-amyI acetate

Concen: 7.315 ug/l

RT: 11.62 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-037

Tgt Ion: 43 Resp: 1057

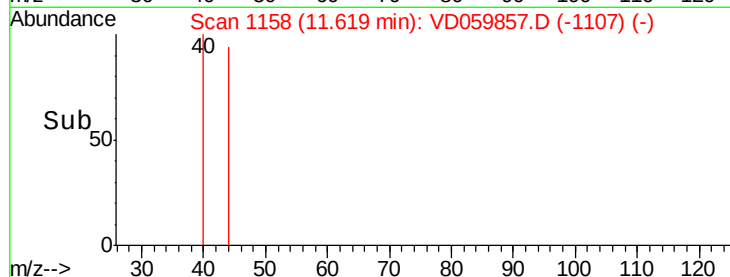
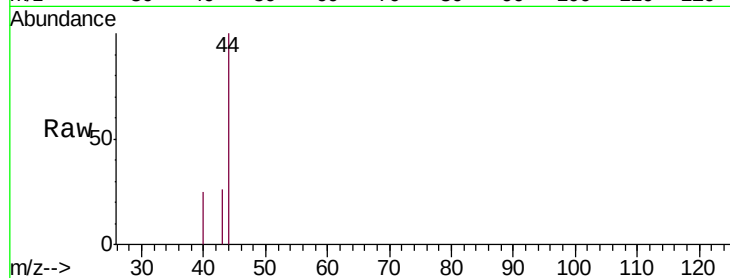
Ion Ratio Lower Upper

43 100

70 0.0 20.5 30.7#

55 0.0 13.7 20.5#

61 0.0 18.0 27.0#

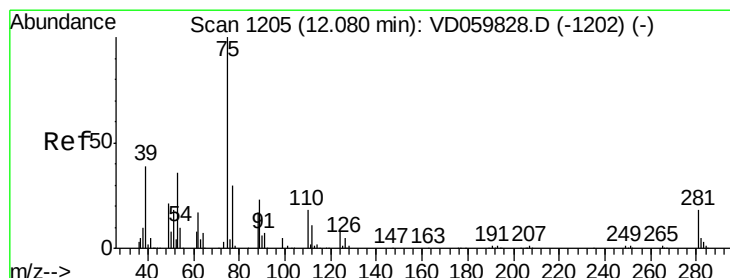
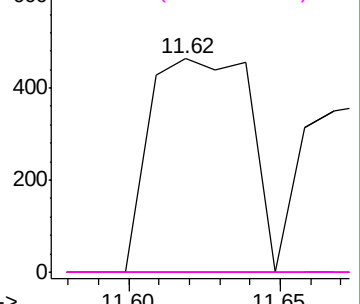


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#76

1,2,3-Trichloropropane

Concen: 9.791 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD059857.D

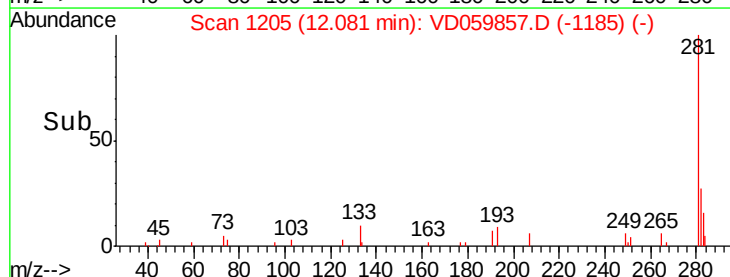
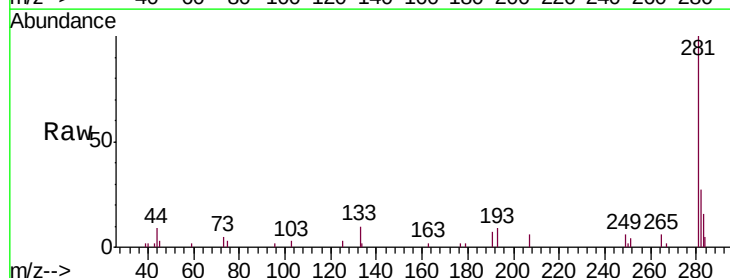
Acq: 21 Aug 2018 15:54

Tgt Ion: 75 Resp: 767

Ion Ratio Lower Upper

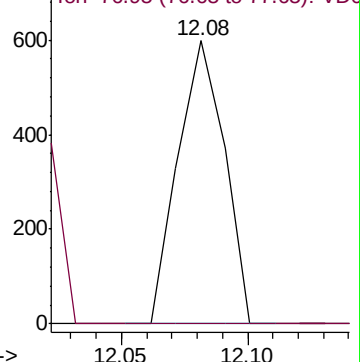
75 100

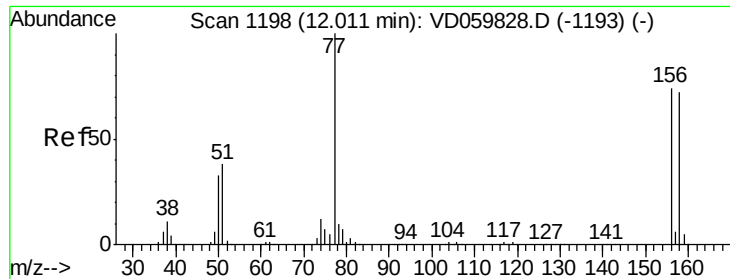
77 0.0 16.0 47.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 5.563 ug/l

RT: 12.01 min Scan# 1198

Delta R.T. 0.00 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-037

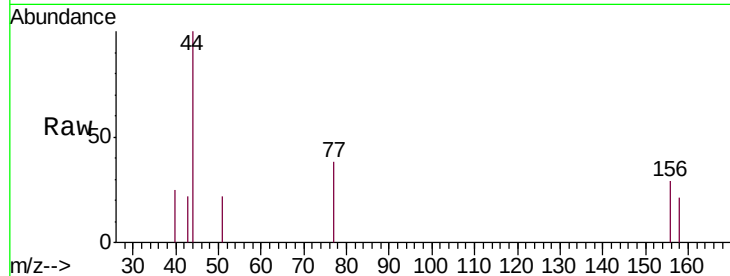
Tgt Ion: 156 Resp: 499

Ion Ratio Lower Upper

156 100

77 133.2 68.0 204.0

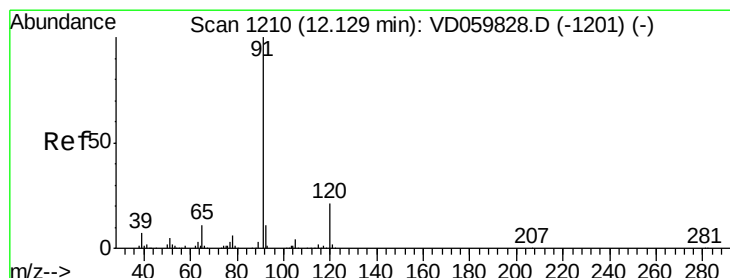
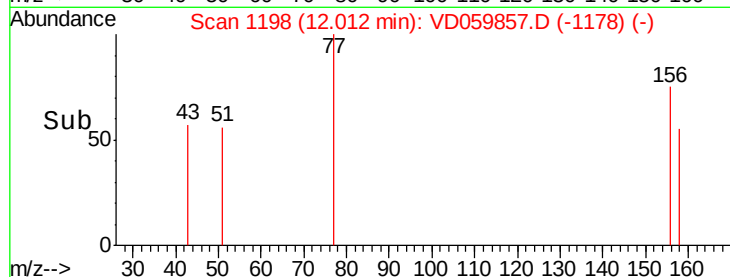
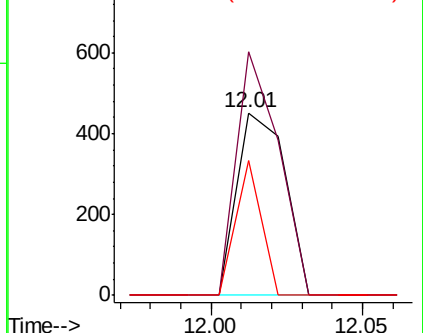
158 73.5 48.9 146.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 2.198 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VD059857.D

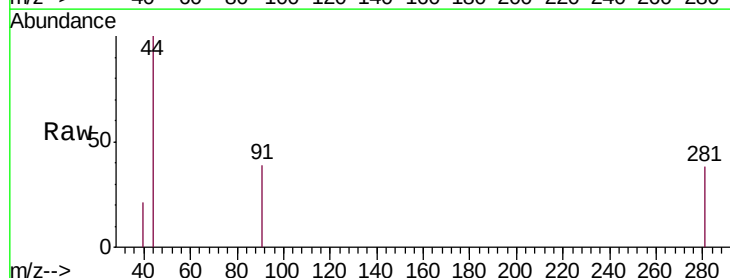
Acq: 21 Aug 2018 15:54

Tgt Ion: 91 Resp: 881

Ion Ratio Lower Upper

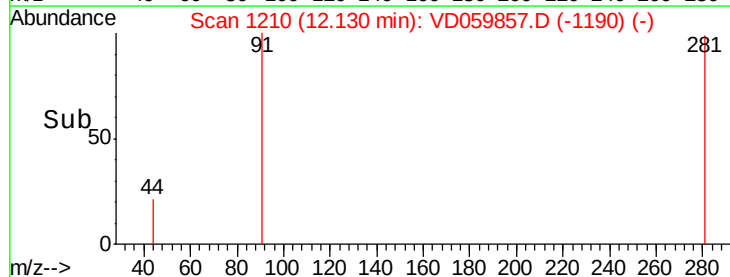
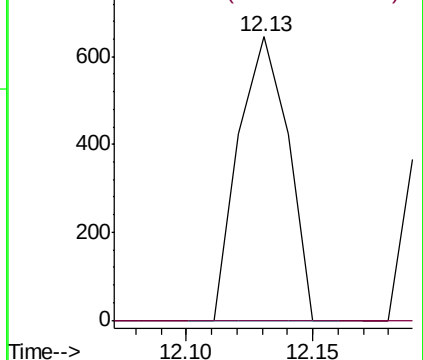
91 100

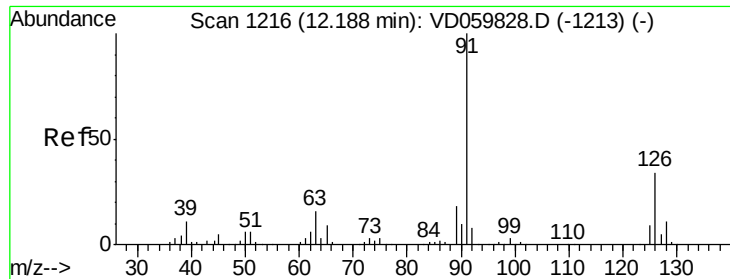
120 0.0 10.5 31.5#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

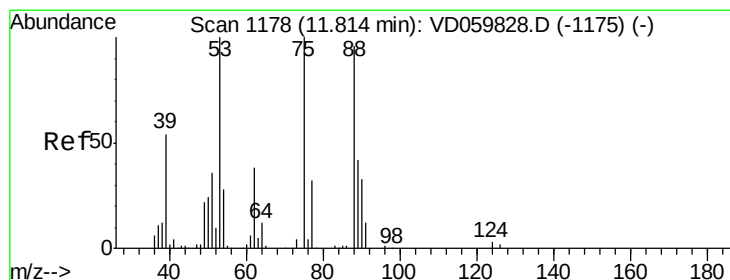
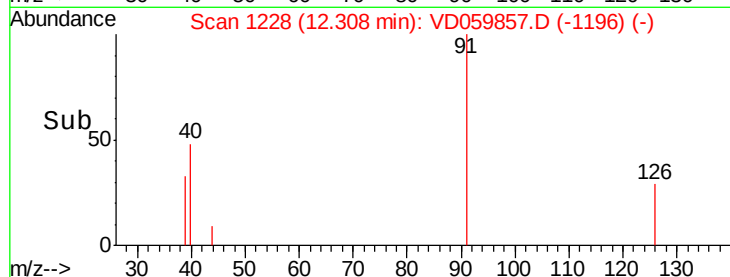
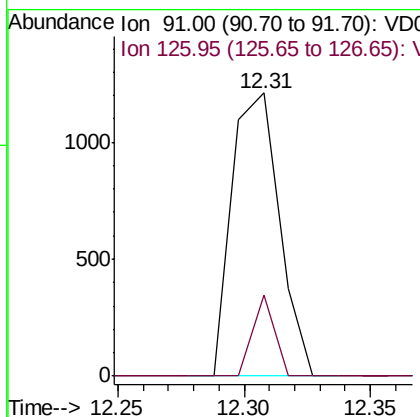
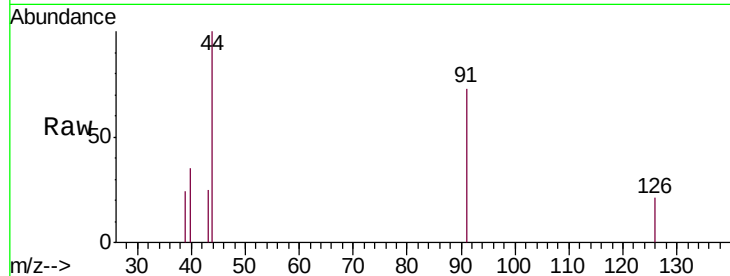




#79
 2-Chlorotoluene
 Concen: 6.869 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. 0.12 min
 Lab File: VD059857.D
 Acq: 21 Aug 2018 15:54

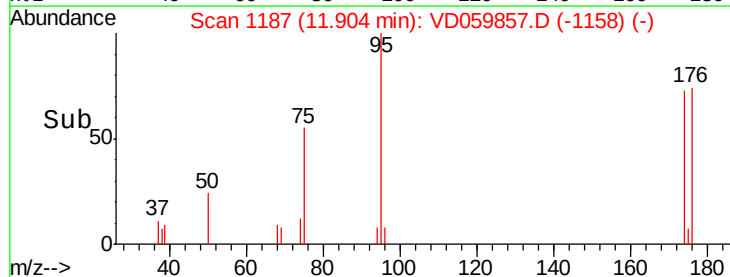
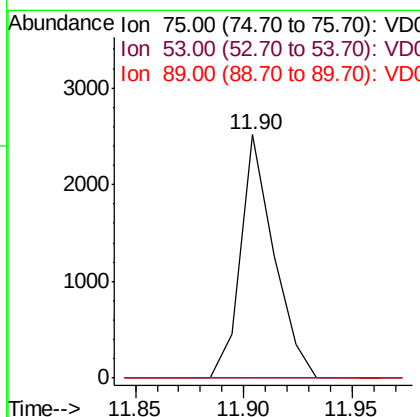
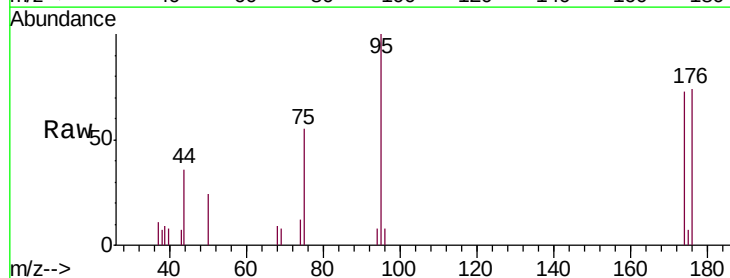
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-037

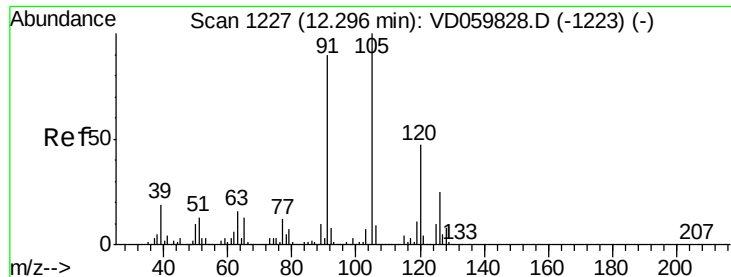
Tgt Ion: 91 Resp: 1585
 Ion Ratio Lower Upper
 91 100
 126 28.7 16.6 49.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.421 ug/l
 RT: 11.90 min Scan# 1187
 Delta R.T. 0.09 min
 Lab File: VD059857.D
 Acq: 21 Aug 2018 15:54

Tgt Ion: 75 Resp: 2704
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 33.9 50.9#





#82

4-Chlorotoluene

Concen: 4.995 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VD059857.D

Acq: 21 Aug 2018 15:54

Instrument :

MSVOA_D

ClientSampleId :

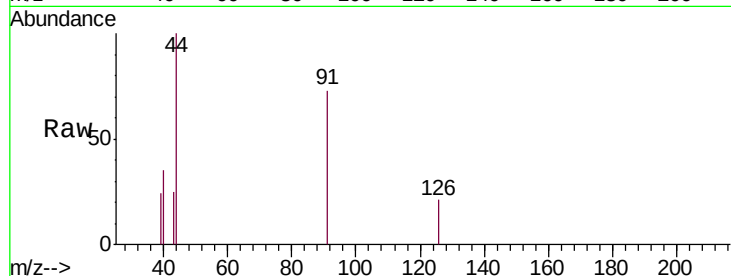
FK-PS-01-037

Tgt Ion: 91 Resp: 1585

Ion Ratio Lower Upper

91 100

126 28.7 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VD059828.D (-1223) (-)

Ion 125.95 (125.65 to 126.65): VD059828.D (-1223) (-)

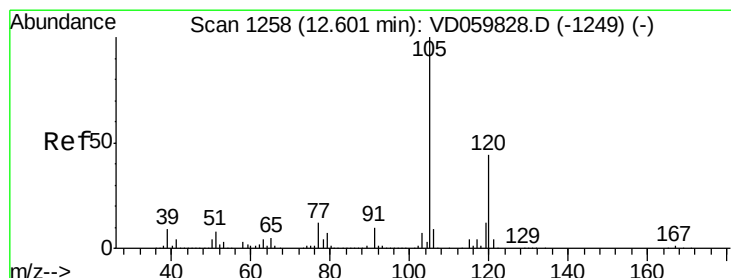
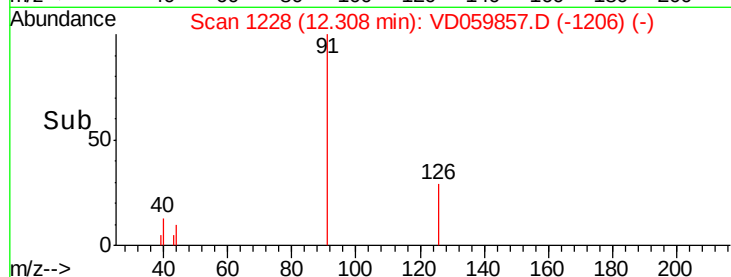
12.31

1000

500

0

Time--> 12.25 12.30 12.35



#84

1,2,4-Trimethylbenzene

Concen: 2.648 ug/l

RT: 12.60 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VD059857.D

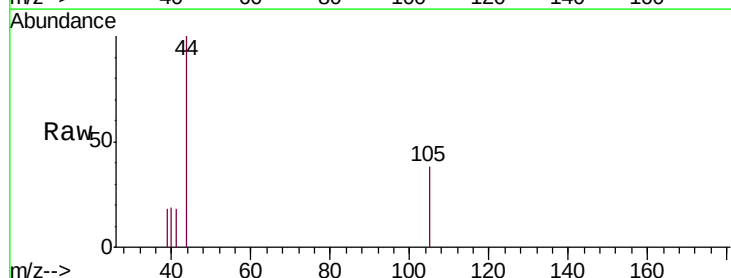
Acq: 21 Aug 2018 15:54

Tgt Ion: 105 Resp: 703

Ion Ratio Lower Upper

105 100

120 0.0 22.0 66.0#



Abundance Ion 105.05 (104.75 to 105.75): VD059828.D (-1249) (-)

Ion 120.05 (119.75 to 120.75): VD059828.D (-1249) (-)

12.60

800

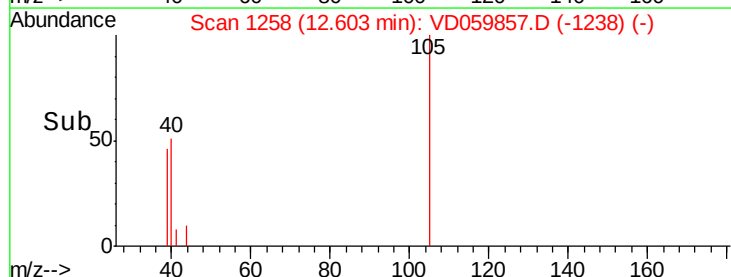
600

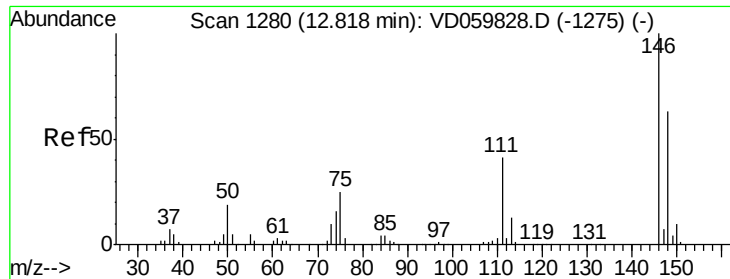
400

200

0

Time--> 12.60

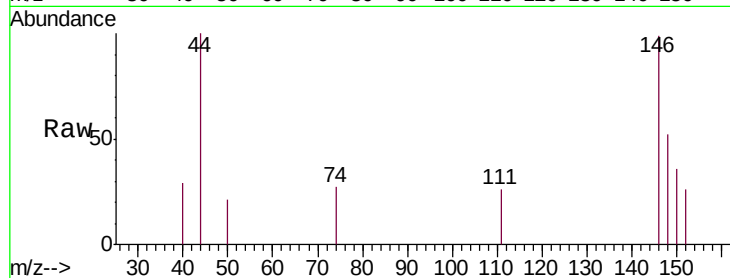




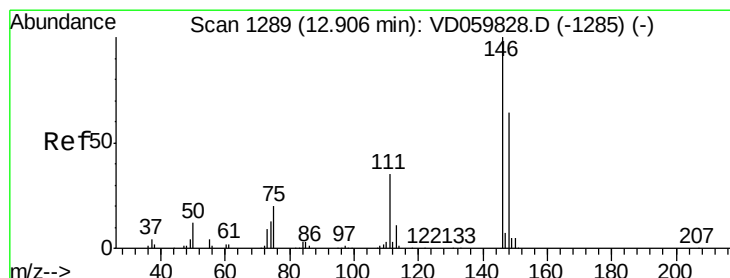
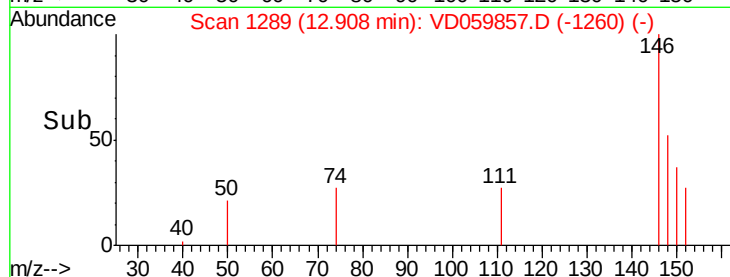
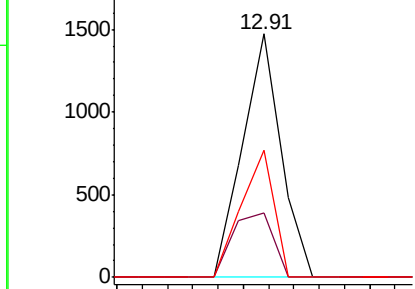
#87
 1,3-Dichlorobenzene
 Concen: 10.299 ug/l
 RT: 12.91 min Scan# 1289
 Delta R.T. 0.09 min
 Lab File: VD059857.D
 Acq: 21 Aug 2018 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-037

Tgt Ion	Ratio	Lower	Upper
146	100		
111	26.6	20.3	60.9
148	52.0	31.6	94.7

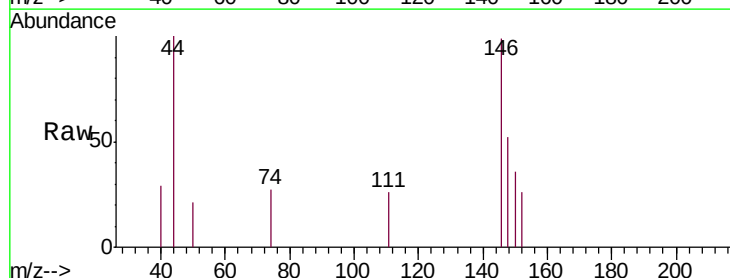


Abundance Ion 145.95 (145.65 to 146.65): V
 2000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

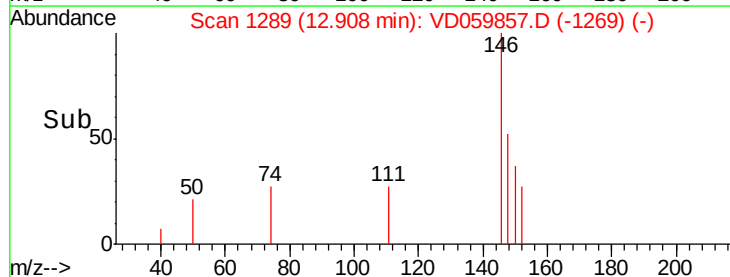
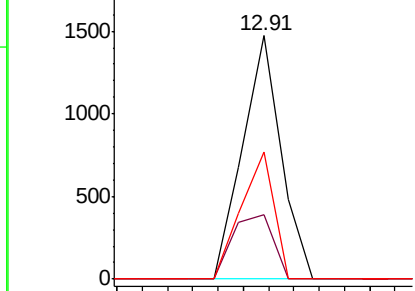


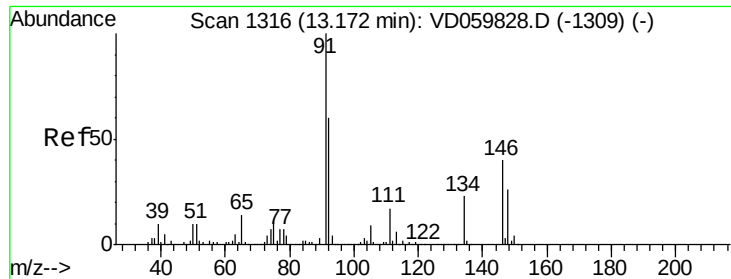
#88
 1,4-Dichlorobenzene
 Concen: 10.390 ug/l
 RT: 12.91 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VD059857.D
 Acq: 21 Aug 2018 15:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	26.6	17.8	53.3
148	52.0	31.9	95.9



Abundance Ion 145.95 (145.65 to 146.65): V
 2000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

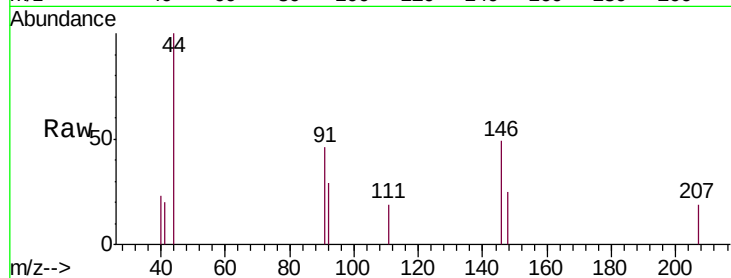




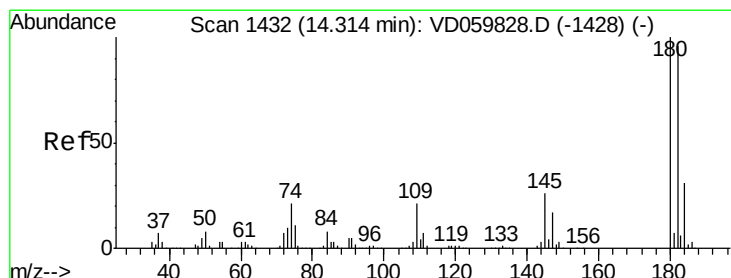
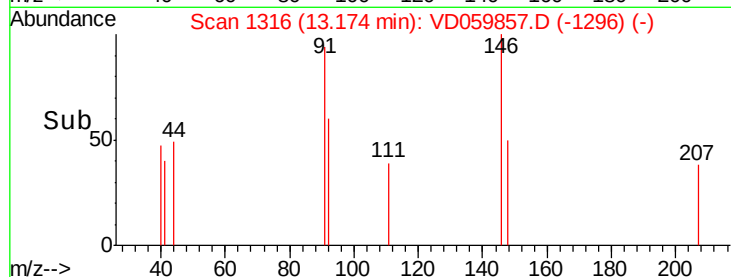
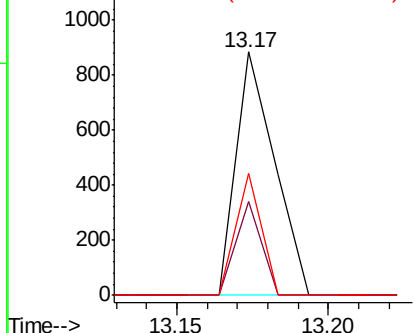
#91
 1,2-Dichlorobenzene
 Concen: 4.037 ug/l
 RT: 13.17 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VD059857.D
 Acq: 21 Aug 2018 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-037

Tgt Ion:146 Resp: 781
 Ion Ratio Lower Upper
 146 100
 111 38.6 20.9 62.8
 148 49.9 31.6 94.8

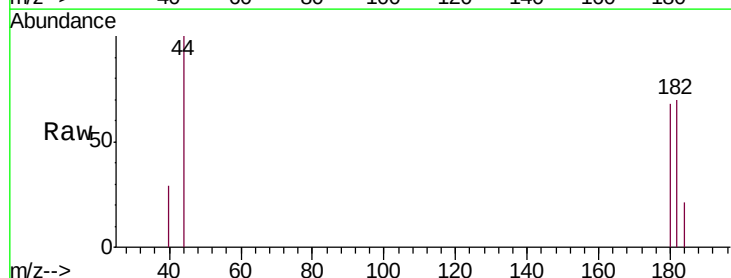


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

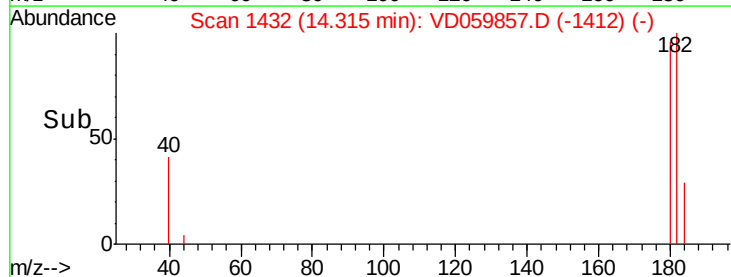
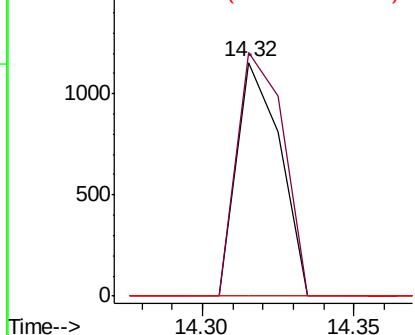


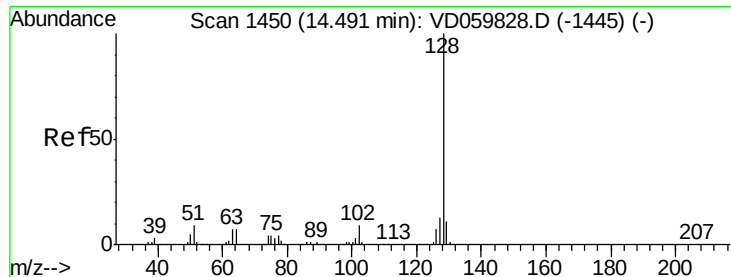
#93
 1,2,4-Trichlorobenzene
 Concen: 10.700 ug/l
 RT: 14.32 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD059857.D
 Acq: 21 Aug 2018 15:54

Tgt Ion:180 Resp: 1160
 Ion Ratio Lower Upper
 180 100
 182 104.2 48.0 144.0
 145 0.0 13.1 39.1#



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

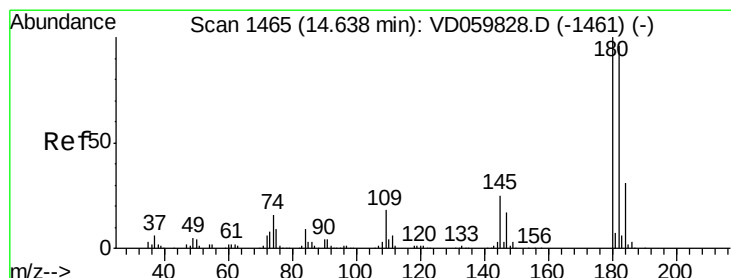
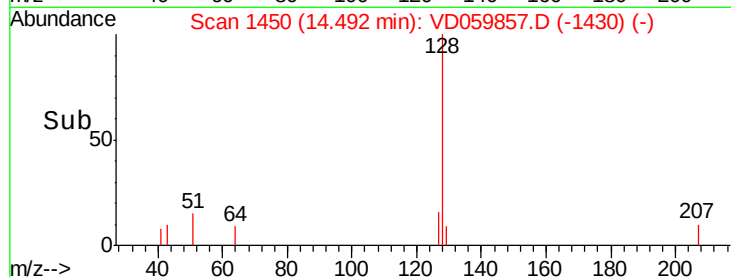
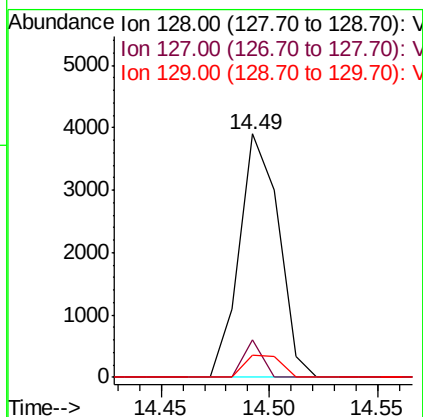
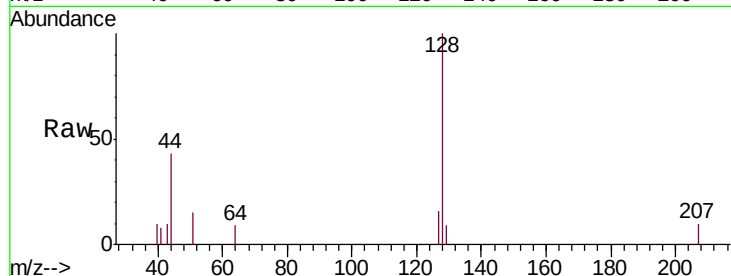




#95
Naphthalene
Concen: 27.781 ug/l
RT: 14.49 min Scan# 1450
Delta R.T. 0.00 min
Lab File: VD059857.D
Acq: 21 Aug 2018 15:54

Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-037

Tgt Ion:128 Resp: 4920
Ion Ratio Lower Upper
128 100
127 15.6 10.1 15.1#
129 9.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 15.031 ug/l
RT: 14.64 min Scan# 1465
Delta R.T. 0.00 min
Lab File: VD059857.D
Acq: 21 Aug 2018 15:54

Tgt Ion:180 Resp: 1428
Ion Ratio Lower Upper
180 100
182 67.1 47.8 143.4
145 0.0 12.7 38.0#

