

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111918\
 Data File : VX006086.D
 Acq On : 19 Nov 2018 13:01
 Operator : JC/MD
 Sample : J5963-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FS-OILY-STONE

Quant Time: Nov 19 13:46:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	135814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	191442	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	153779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	73652	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	76365	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
35) Dibromofluoromethane	5.51	113	66027	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
50) Toluene-d8	8.71	98	203090	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
62) 4-Bromofluorobenzene	11.14	95	69248	44.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.98%	

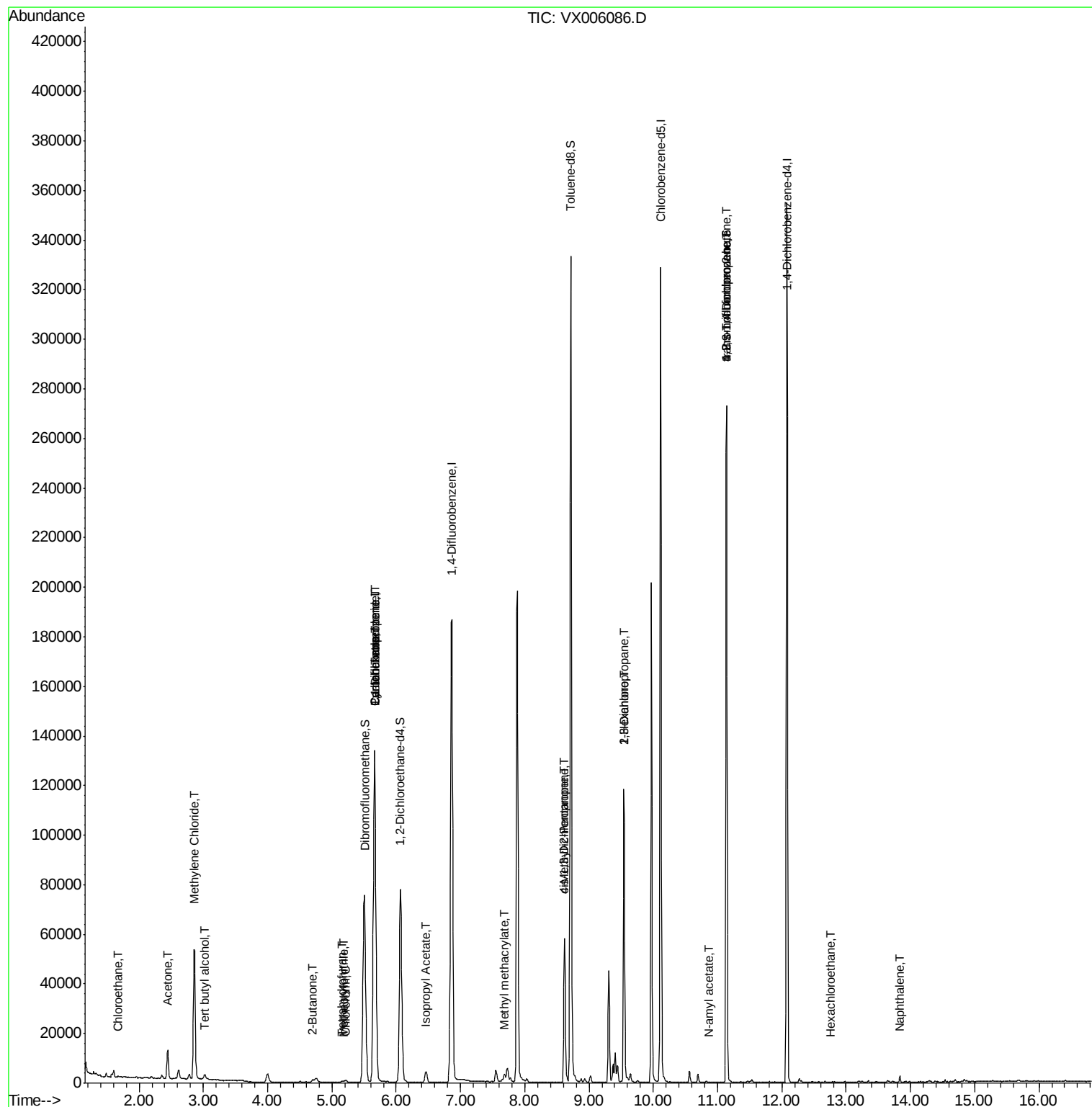
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.67	64	468	0.49	ug/l #	42
11) Tert butyl alcohol	3.02	59	1482	3.31	ug/l #	72
16) Acetone	2.45	43	12884	15.33	ug/l	97
18) Methyl Acetate	2.78	43	2718	Below Cal		97
20) Methylene Chloride	2.85	84	24179	17.51	ug/l	85
25) 2-Butanone	4.70	43	1810	1.37	ug/l	98
29) Tetrahydrofuran	5.15	42	259	0.31	ug/l #	67
30) Chloroform	5.21	83	1083	0.45	ug/l	88
31) Cyclohexane	5.66	56	2368	1.09	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	9304	5.04	ug/l #	49
38) Carbon Tetrachloride	5.67	117	11923	6.45	ug/l #	16
41) Methacrylonitrile	5.17	41	279	0.21	ug/l #	34
43) Isopropyl Acetate	6.47	43	6081	1.73	ug/l	99
48) Methyl methacrylate	7.68	41	4221	2.67	ug/l #	24
51) 4-Methyl-2-Pentanone	8.62	43	20672	9.33	ug/l #	53
54) cis-1,3-Dichloropropene	8.62	75	9027	4.85	ug/l #	64
57) 1,3-Dichloropropane	9.54	76	968	0.43	ug/l #	43
59) 2-Hexanone	9.54	43	14104	7.22	ug/l #	55
74) N-amyl acetate	10.87	43	83	1.28	ug/l #	44
76) 1,2,3-Trichloropropane	11.13	75	34548	23.04	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	34548	73.42	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	239	Below Cal		97
90) Hexachloroethane	12.76	117	135	0.20	ug/l #	2
95) Naphthalene	13.83	128	1626	1.48	ug/l	95

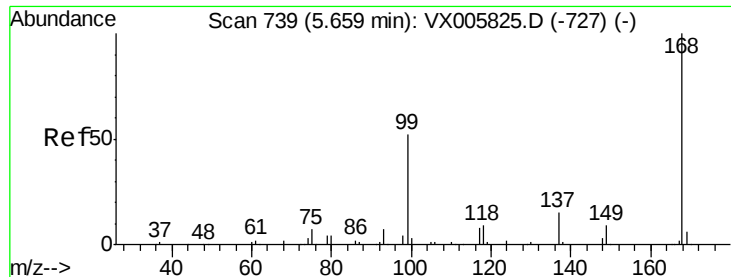
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX111918\
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Acq On : 19 Nov 2018 13:01
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Quant Time: Nov 19 13:46:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006086.D

Acq: 19 Nov 2018 13:01

Instrument :

MSVOA_X

ClientSampleId :

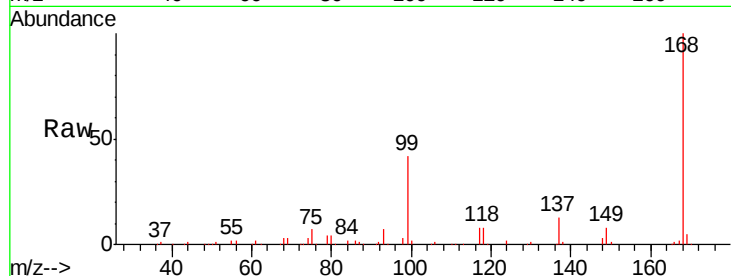
FS-OILY-STONE

Tgt Ion:168 Resp: 135814

Ion Ratio Lower Upper

168 100

99 42.5 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

30000

20000

10000

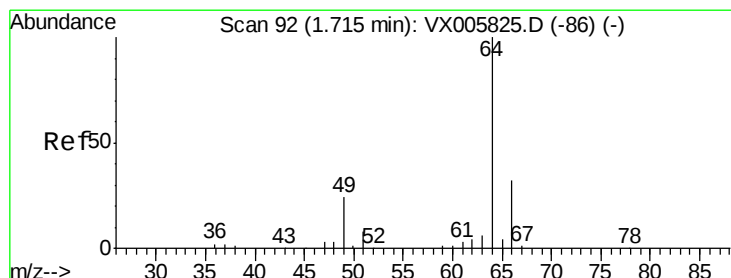
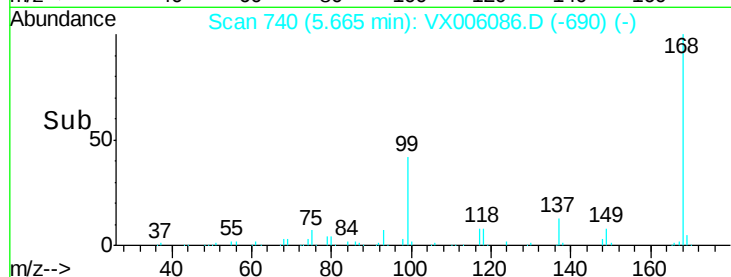
0

5.60

5.70

5.80

Time-->



#6

Chloroethane

Concen: 0.49 ug/l

RT: 1.67 min Scan# 84

Delta R.T. -0.05 min

Lab File: VX006086.D

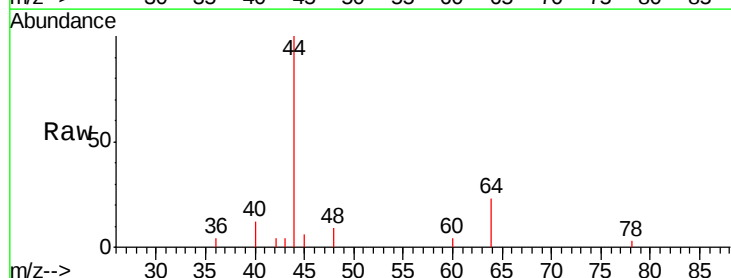
Acq: 19 Nov 2018 13:01

Tgt Ion: 64 Resp: 468

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.67

400

300

200

100

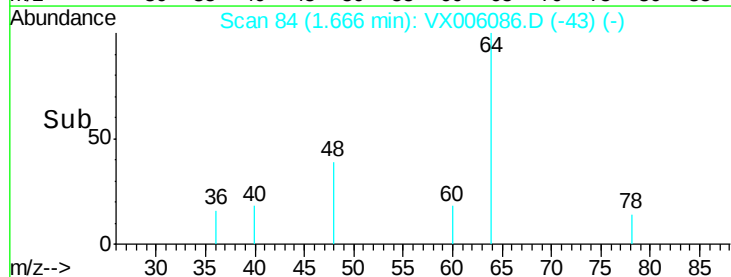
0

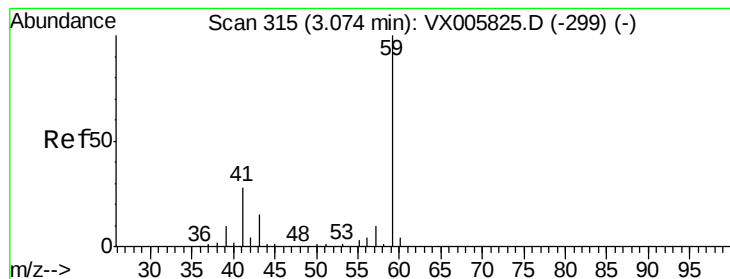
1.60

1.65

1.70

Time-->





#11

Tert butyl alcohol

Concen: 3.31 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX006086.D

Acq: 19 Nov 2018 13:01

Instrument :

MSVOA_X

ClientSampleId :

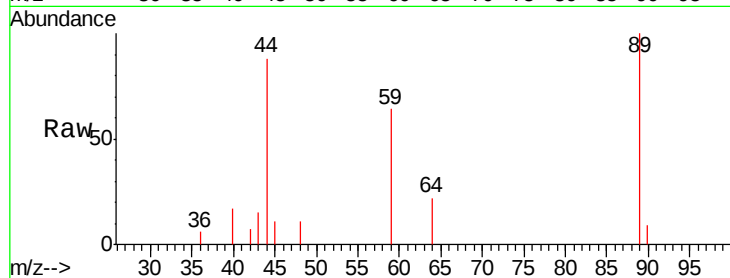
FS-OILY-STONE

Tgt Ion: 59 Resp: 1482

Ion Ratio Lower Upper

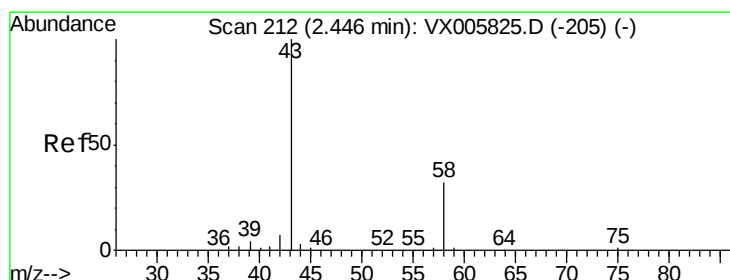
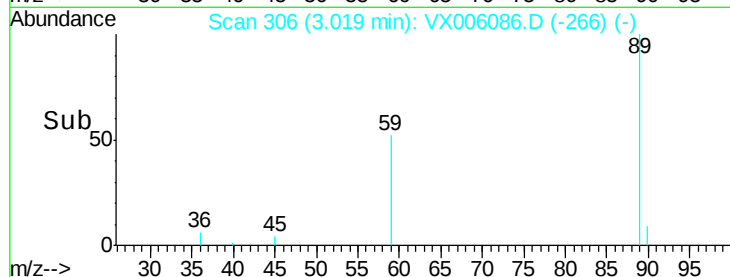
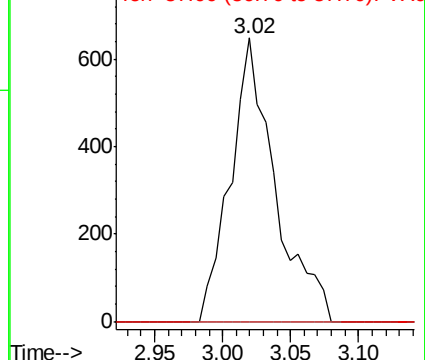
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#16

Acetone

Concen: 15.33 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006086.D

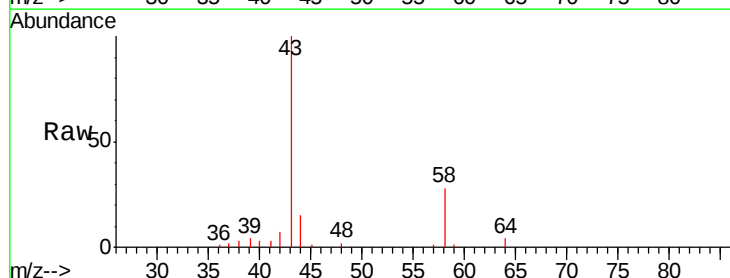
Acq: 19 Nov 2018 13:01

Tgt Ion: 43 Resp: 12884

Ion Ratio Lower Upper

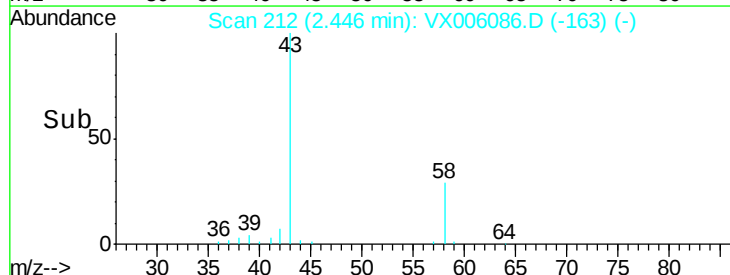
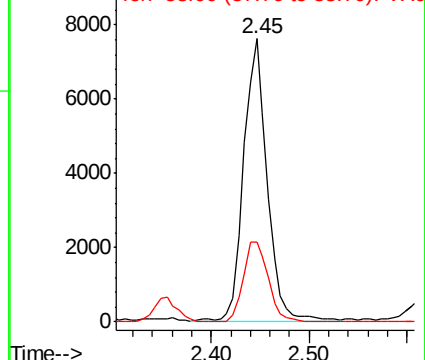
43 100

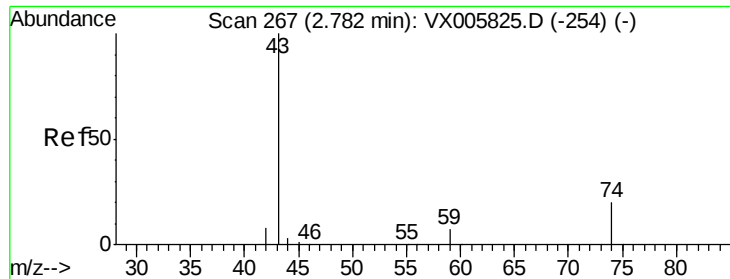
58 28.3 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

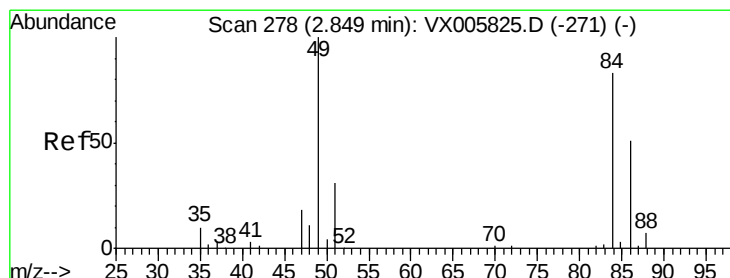
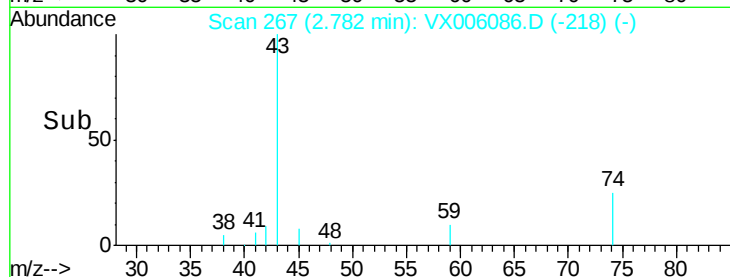
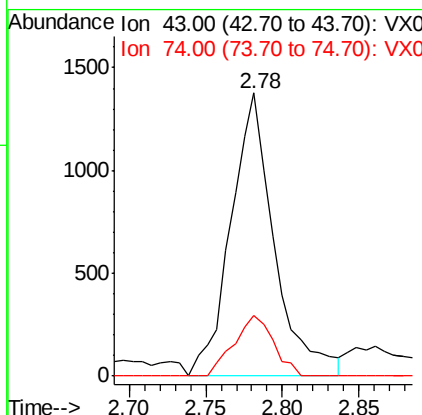
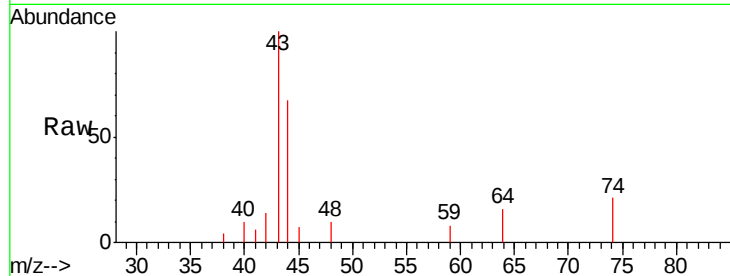




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006086.D
Acq: 19 Nov 2018 13:01

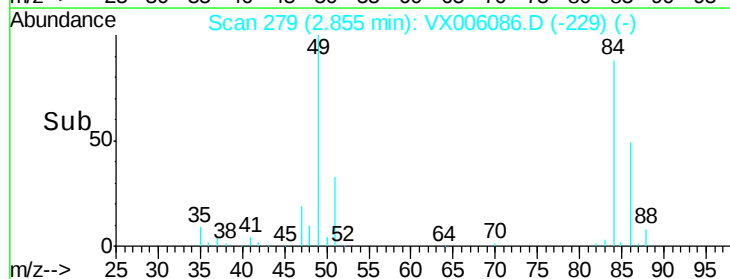
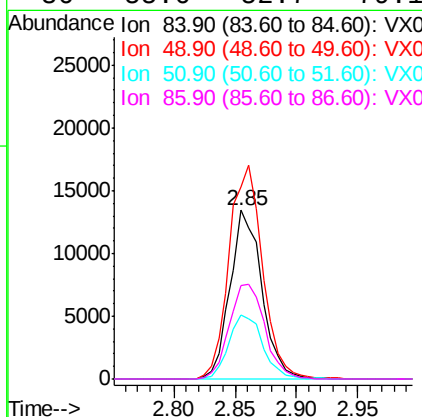
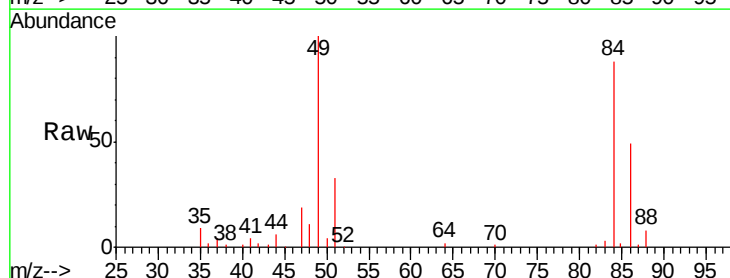
Instrument :
MSVOA_X
ClientSampleId :
FS-OILY-STONE

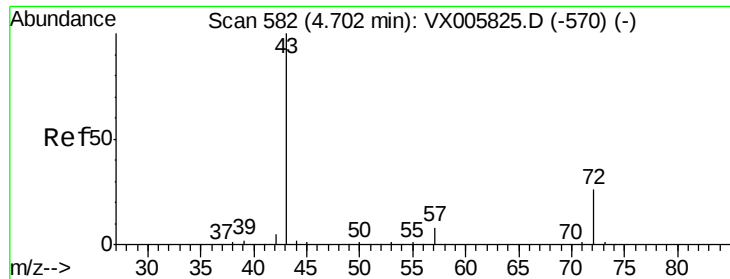
Tgt Ion: 43 Resp: 2718
Ion Ratio Lower Upper
43 100
74 19.4 16.8 25.2



#20
Methylene Chloride
Concen: 17.51 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX006086.D
Acq: 19 Nov 2018 13:01

Tgt Ion: 84 Resp: 24179
Ion Ratio Lower Upper
84 100
49 114.1 109.5 164.3
51 38.2 33.3 49.9
86 55.6 52.7 79.1





#25

2-Butanone

Concen: 1.37 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX006086.D

Acq: 19 Nov 2018 13:01

Instrument :

MSVOA_X

ClientSampleId :

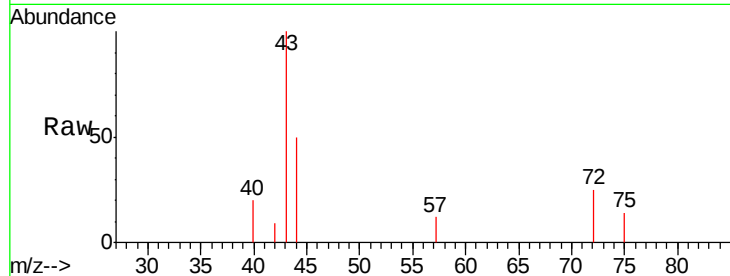
FS-OILY-STONE

Tgt Ion: 43 Resp: 1810

Ion Ratio Lower Upper

43 100

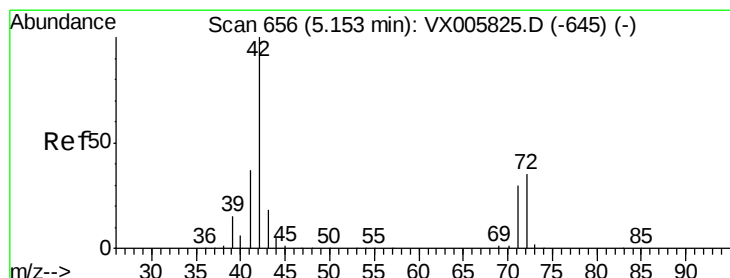
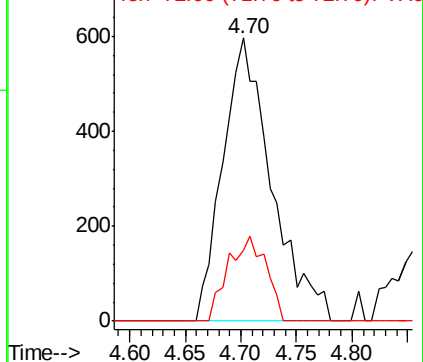
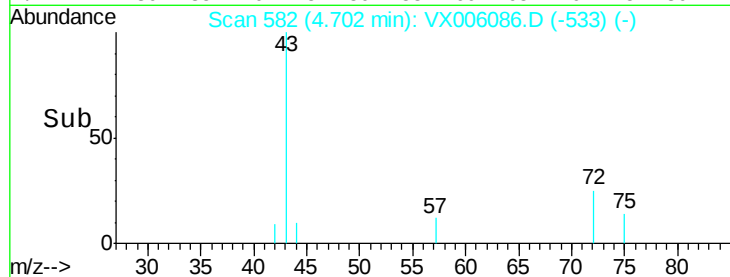
72 25.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Time-->



#29

Tetrahydrofuran

Concen: 0.31 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX006086.D

Acq: 19 Nov 2018 13:01

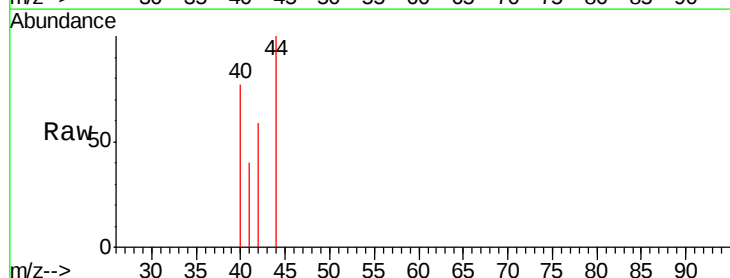
Tgt Ion: 42 Resp: 259

Ion Ratio Lower Upper

42 100

72 36.7 32.0 48.0

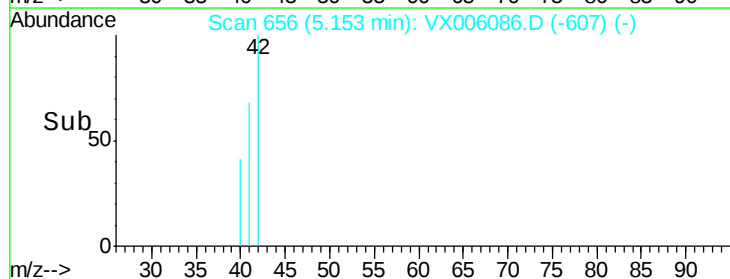
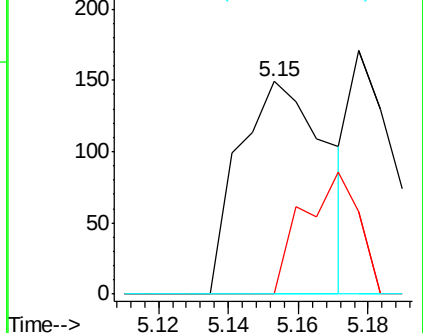
71 0.0 29.8 44.8#

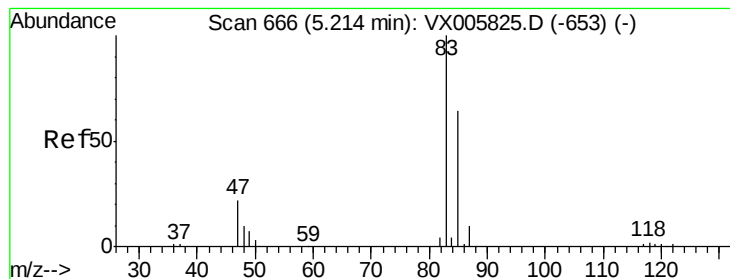


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#30

Chloroform

Concen: 0.45 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX006086.D

Acq: 19 Nov 2018 13:01

Instrument :

MSVOA_X

ClientSampleId :

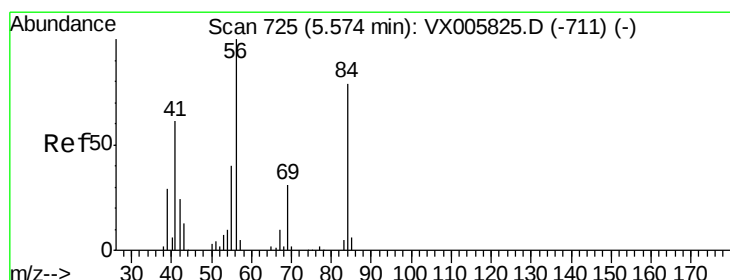
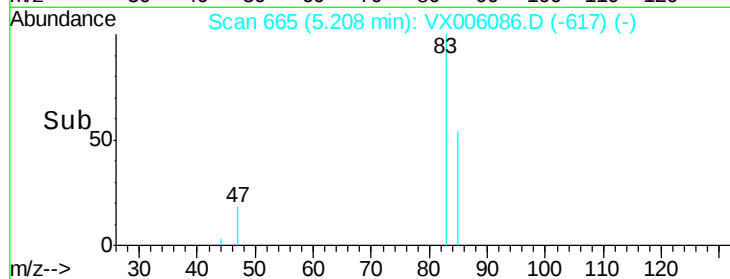
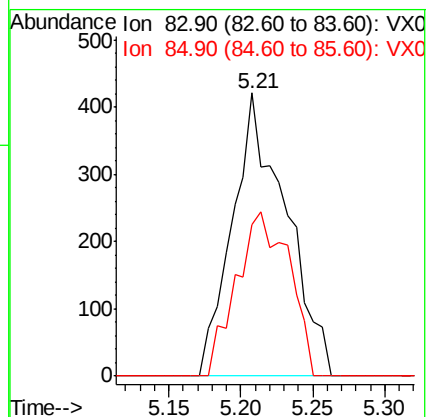
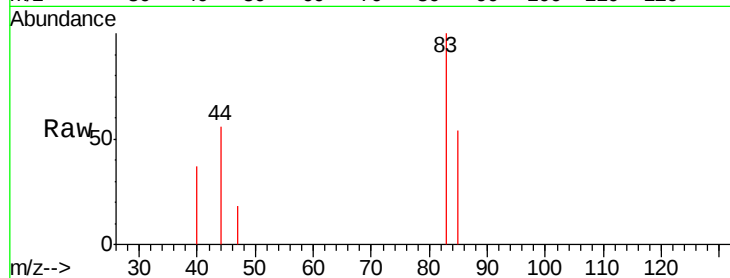
FS-OILY-STONE

Tgt Ion: 83 Resp: 1083

Ion Ratio Lower Upper

83 100

85 53.7 50.6 76.0



#31

Cyclohexane

Concen: 1.09 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX006086.D

Acq: 19 Nov 2018 13:01

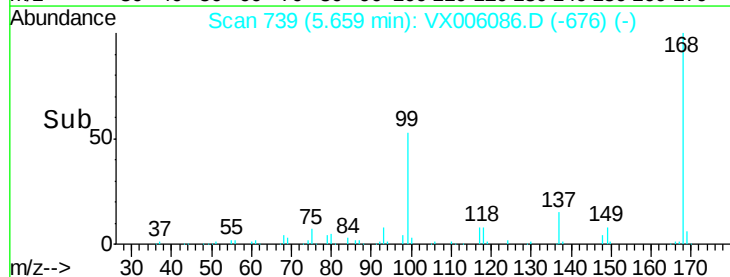
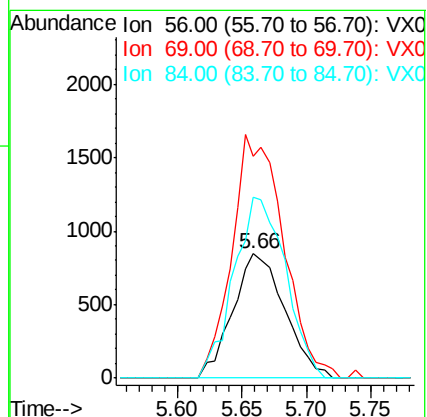
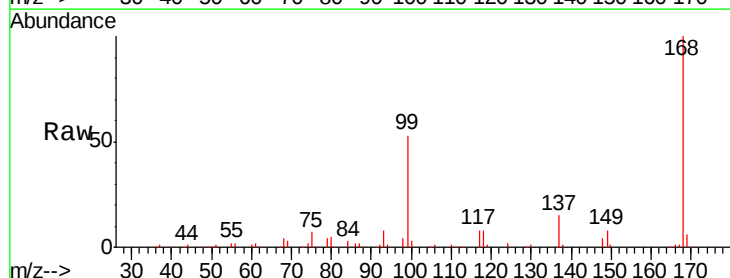
Tgt Ion: 56 Resp: 2368

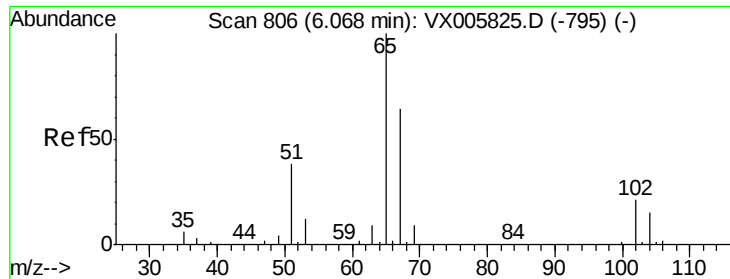
Ion Ratio Lower Upper

56 100

69 179.4 22.6 34.0#

84 146.2 62.7 94.1#





#33

1,2-Dichloroethane-d4

Concen: 48.91 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX006086.D

Acq: 19 Nov 2018 13:01

Instrument :

MSVOA_X

ClientSampleId :

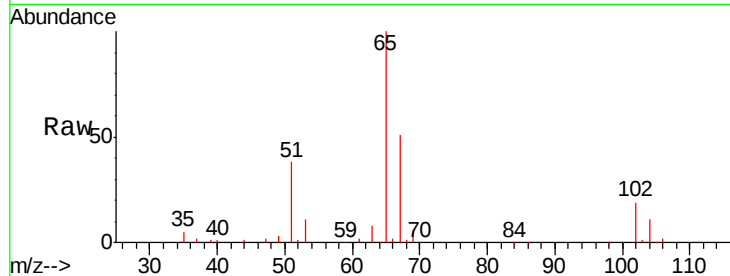
FS-OILY-STONE

Tgt Ion: 65 Resp: 76365

Ion Ratio Lower Upper

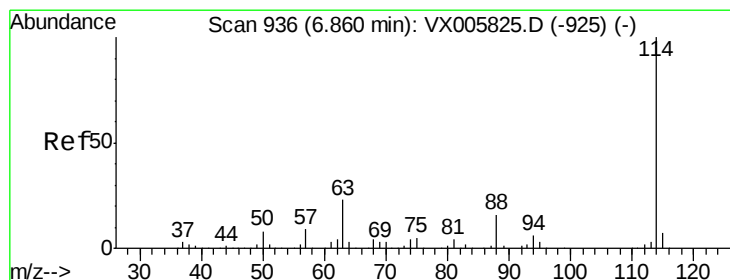
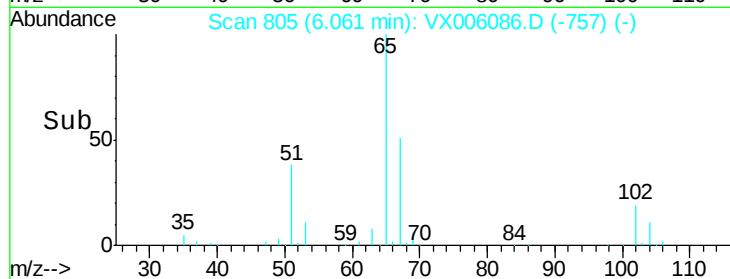
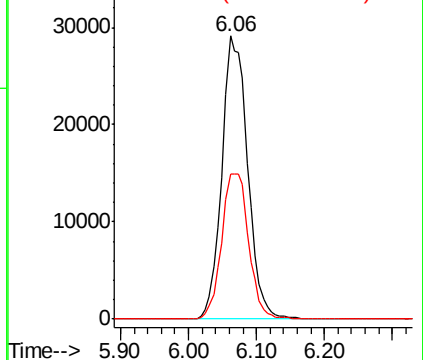
65 100

67 54.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX006086.D

Acq: 19 Nov 2018 13:01

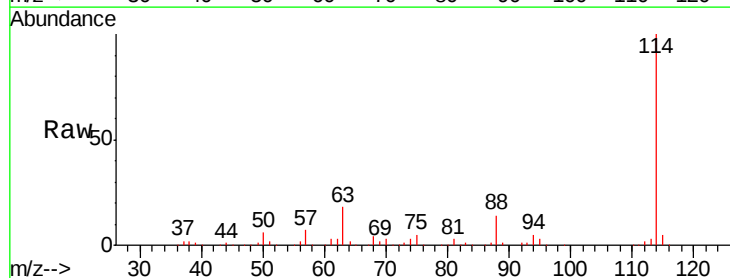
Tgt Ion: 114 Resp: 191442

Ion Ratio Lower Upper

114 100

63 18.1 0.0 42.8

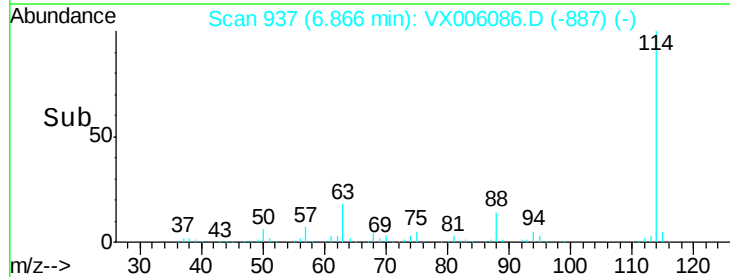
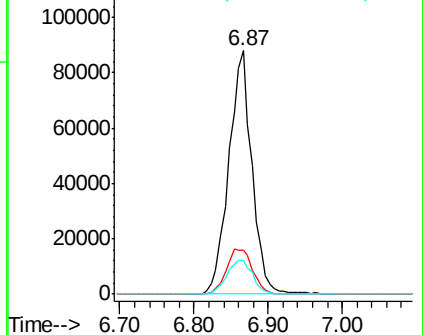
88 14.0 0.0 31.2

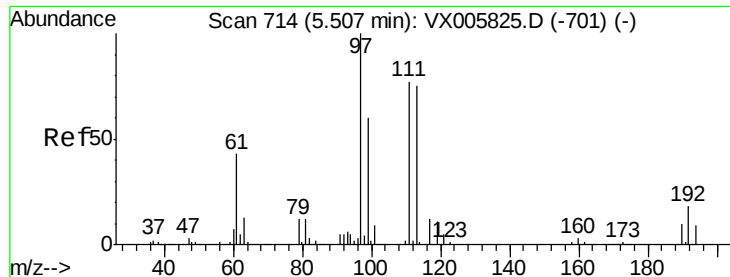


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.71 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX006086.D

Acq: 19 Nov 2018 13:01

Instrument :

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ClientSampleId :

FS-OILY-STONE

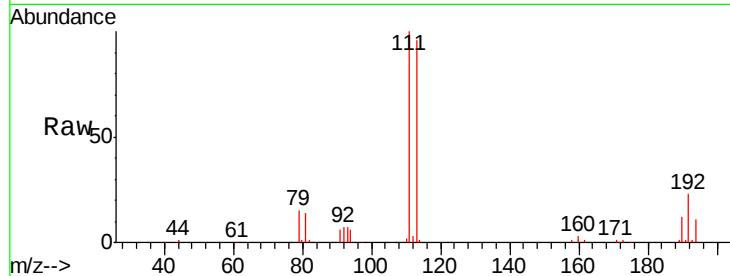
Tgt Ion:113 Resp: 66027

Ion Ratio Lower Upper

113 100

111 102.4 82.3 123.5

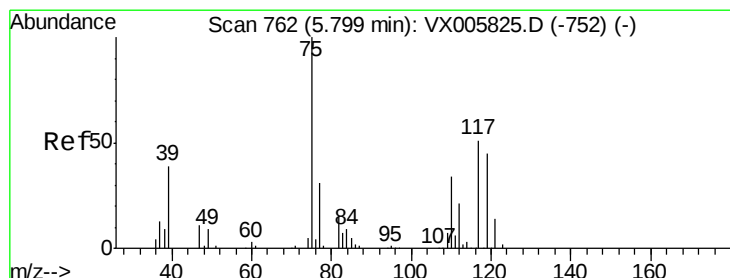
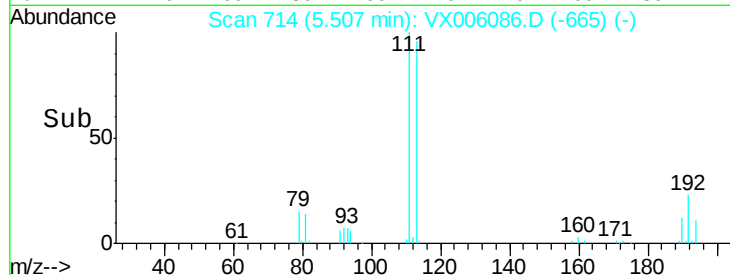
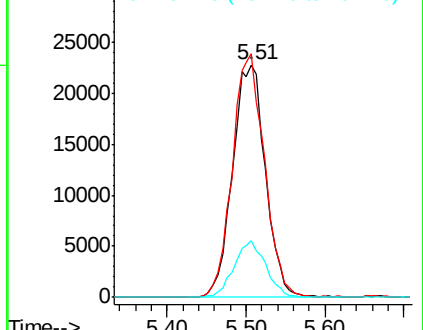
192 23.3 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.04 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006086.D

Acq: 19 Nov 2018 13:01

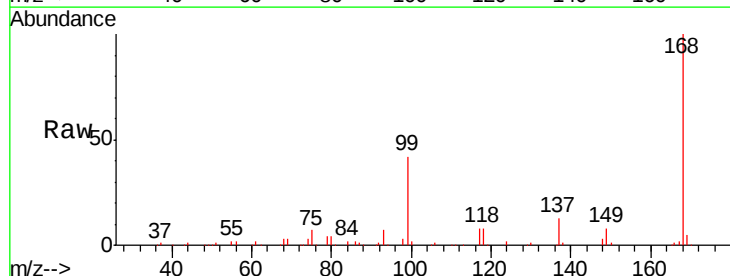
Tgt Ion: 75 Resp: 9304

Ion Ratio Lower Upper

75 100

110 8.8 17.4 52.2#

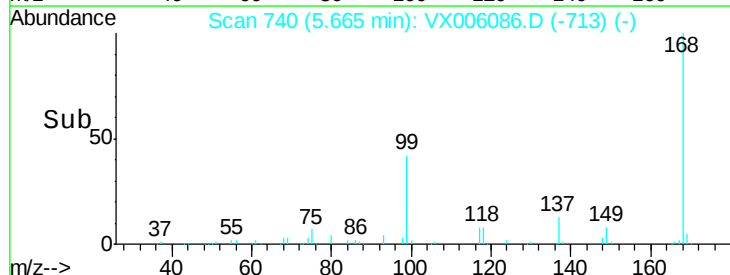
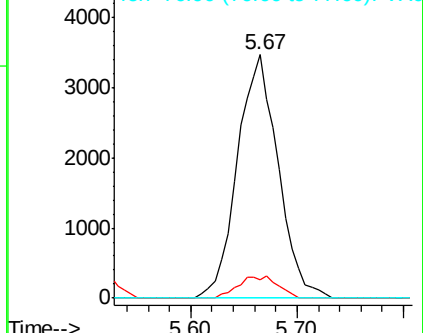
77 0.0 25.8 38.6#

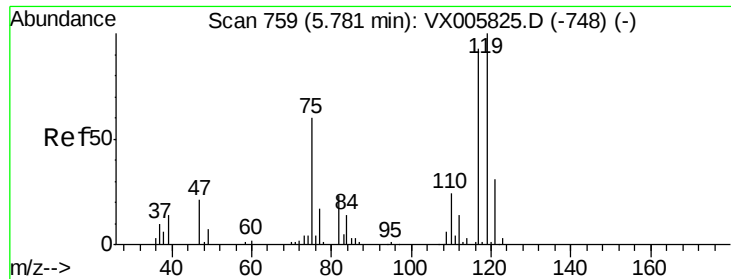


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.45 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006086.D

Acq: 19 Nov 2018 13:01

Instrument :

MSVOA_X

ClientSampleId :

FS-OILY-STONE

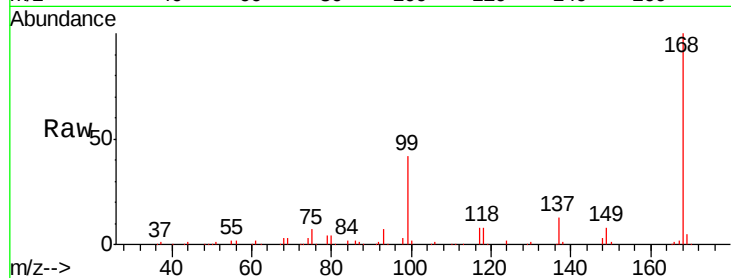
Tgt Ion:117 Resp: 11923

Ion Ratio Lower Upper

117 100

119 6.2 78.1 117.1#

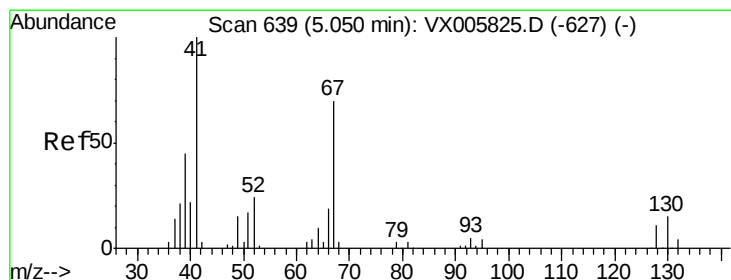
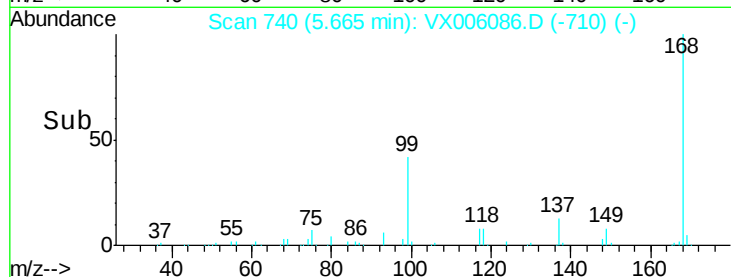
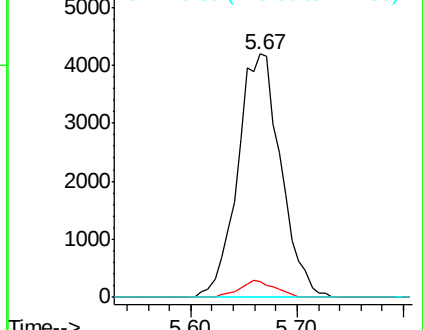
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.21 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.12 min

Lab File: VX006086.D

Acq: 19 Nov 2018 13:01

Tgt Ion: 41 Resp: 279

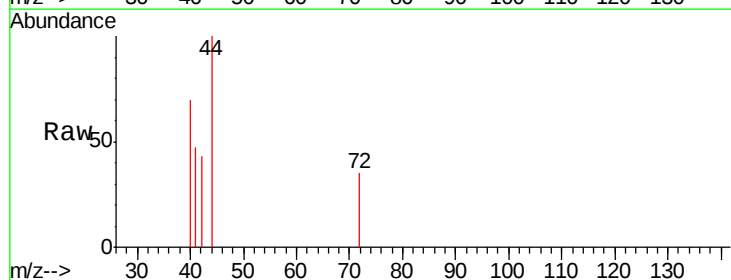
Ion Ratio Lower Upper

41 100

39 17.2 42.2 63.2#

67 0.0 53.4 80.0#

52 0.0 23.4 35.2#

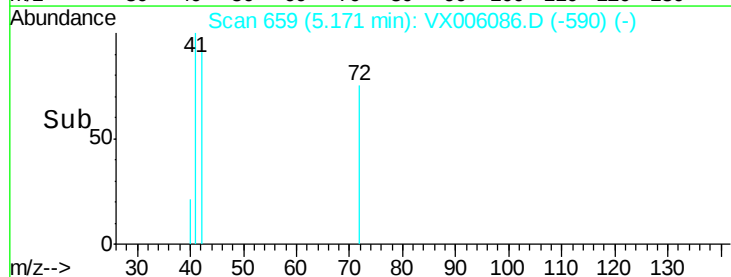
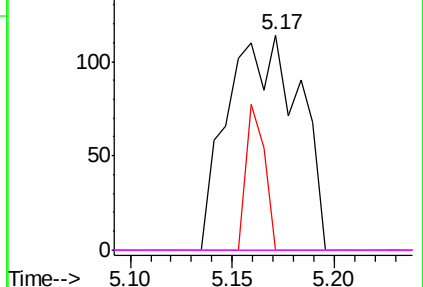


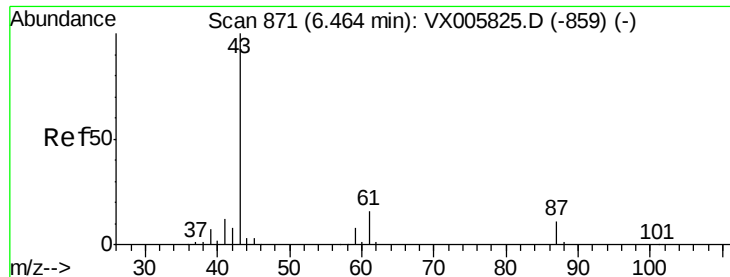
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#43

Isopropyl Acetate

Concen: 1.73 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX006086.D

Acq: 19 Nov 2018 13:01

Instrument :

MSVOA_X

ClientSampleId :

FS-OILY-STONE

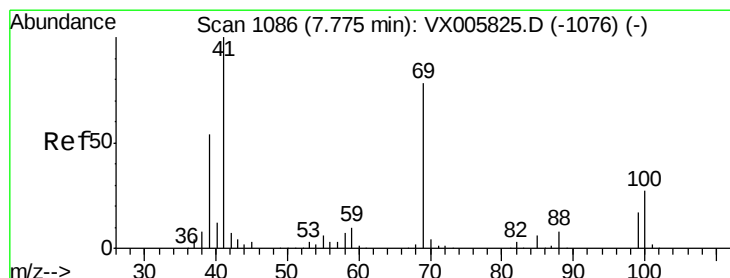
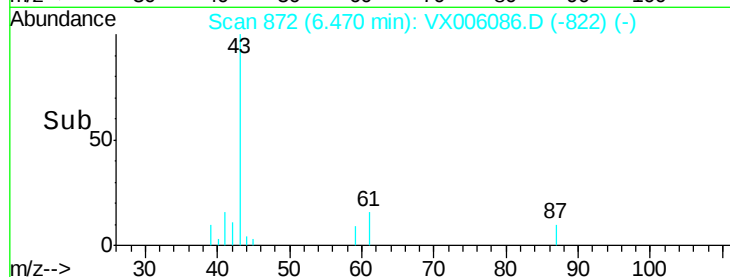
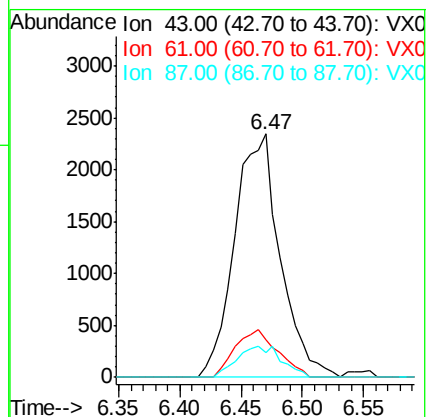
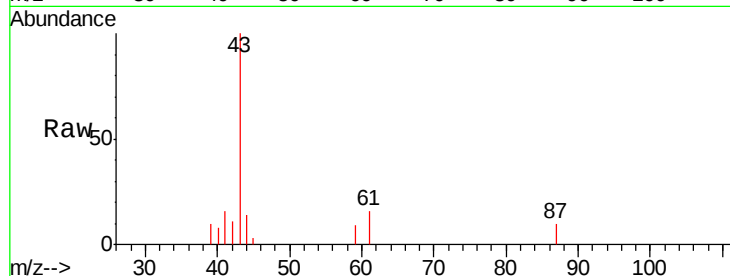
Tgt Ion: 43 Resp: 6081

Ion Ratio Lower Upper

43 100

61 18.2 14.6 22.0

87 12.5 9.6 14.4



#48

Methyl methacrylate

Concen: 2.67 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX006086.D

Acq: 19 Nov 2018 13:01

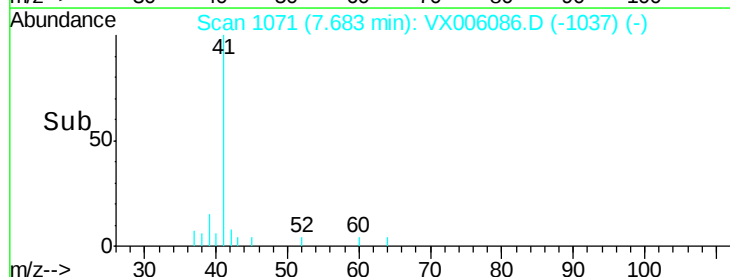
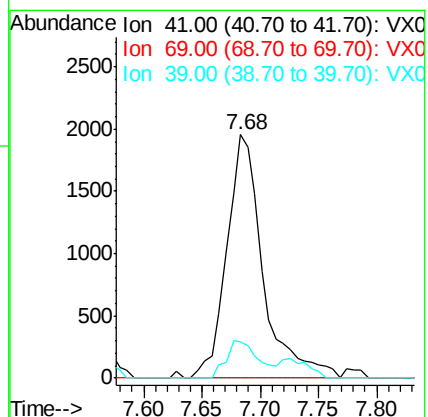
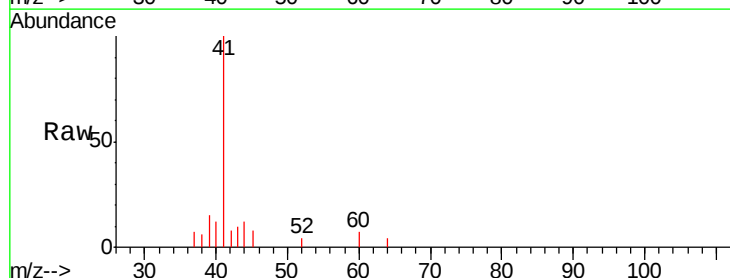
Tgt Ion: 41 Resp: 4221

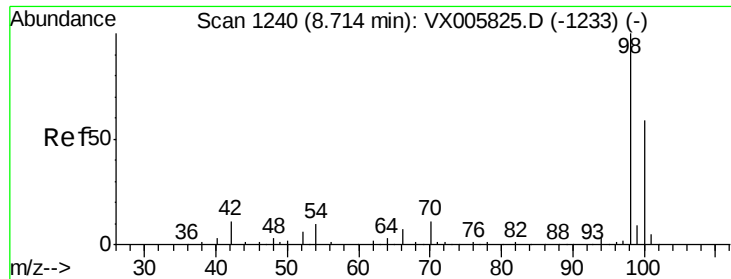
Ion Ratio Lower Upper

41 100

69 0.0 63.2 94.8#

39 13.8 42.2 63.2#

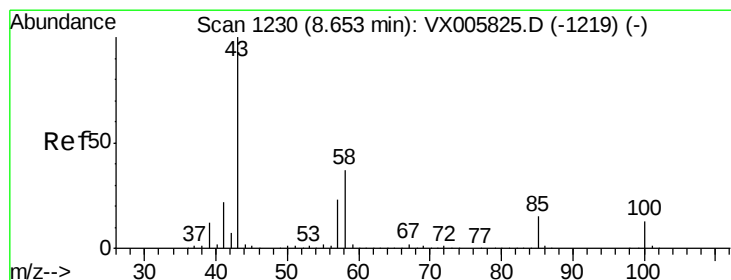
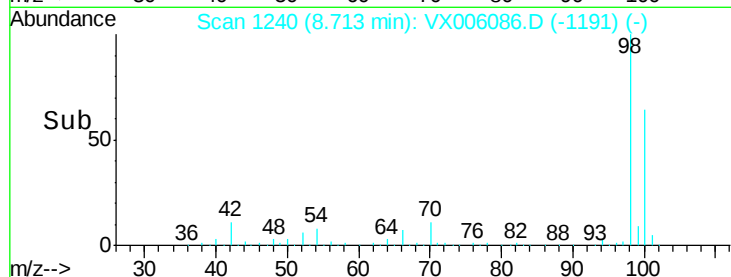
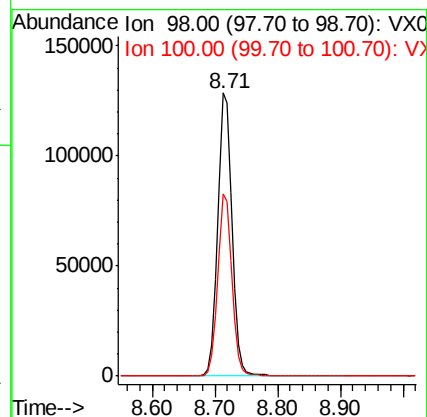
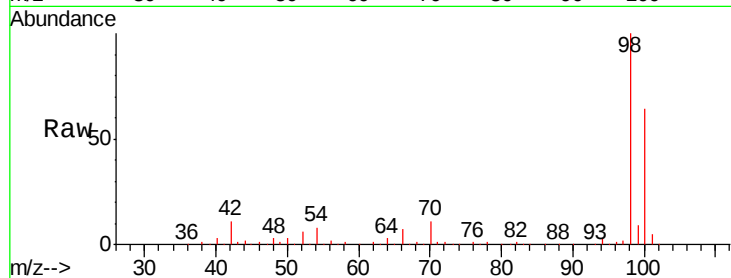




#50
Toluene-d8
Concen: 46.91 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006086.D
Acq: 19 Nov 2018 13:01

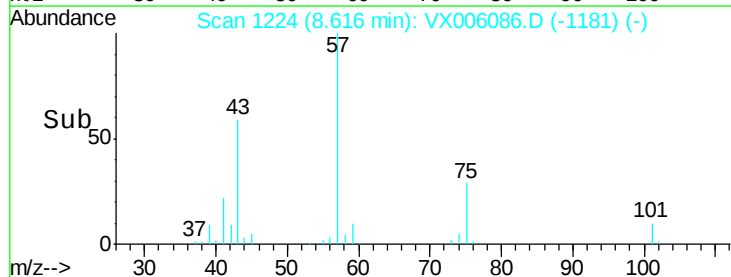
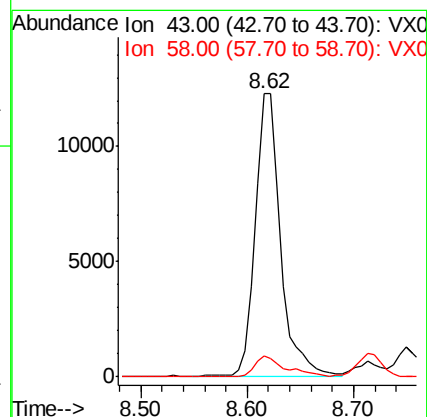
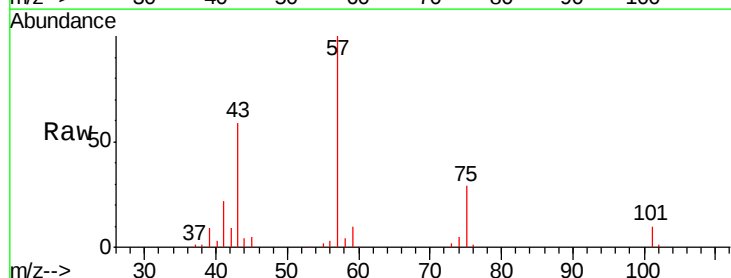
Instrument :
MSVOA_X
ClientSampleId :
FS-OILY-STONE

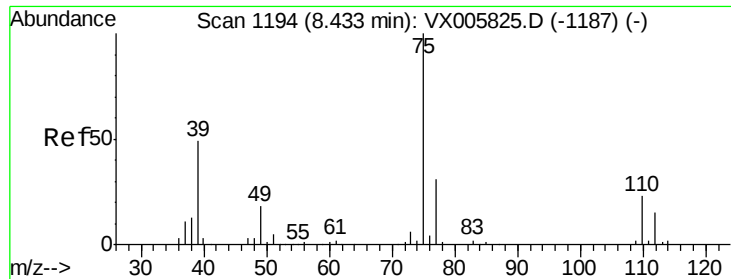
Tgt Ion: 98 Resp: 203090
Ion Ratio Lower Upper
98 100
100 63.8 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 9.33 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. -0.04 min
Lab File: VX006086.D
Acq: 19 Nov 2018 13:01

Tgt Ion: 43 Resp: 20672
Ion Ratio Lower Upper
43 100
58 8.9 29.7 44.5#

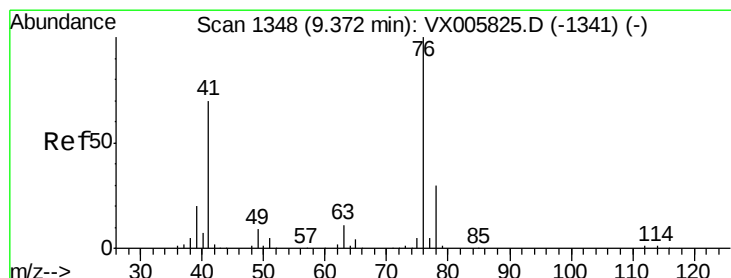
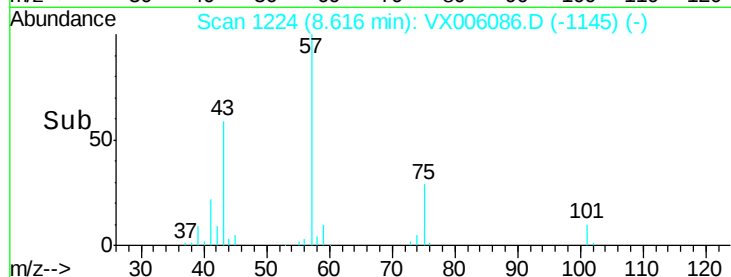
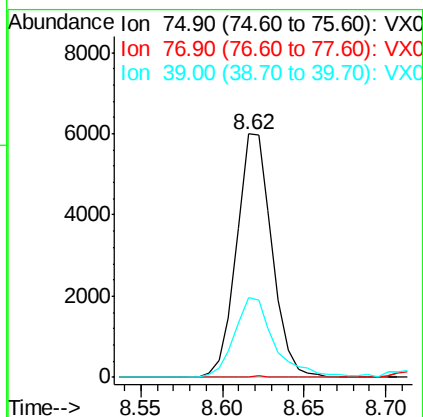
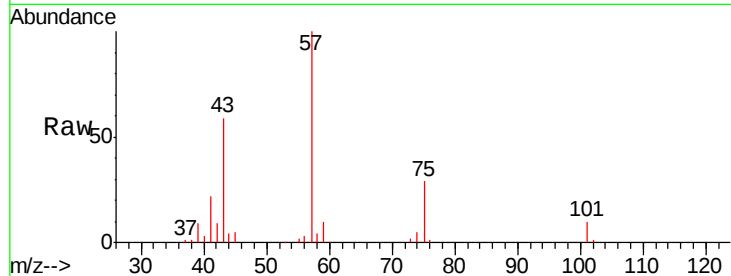




#54
 cis-1,3-Dichloropropene
 Concen: 4.85 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX006086.D
 Acq: 19 Nov 2018 13:01

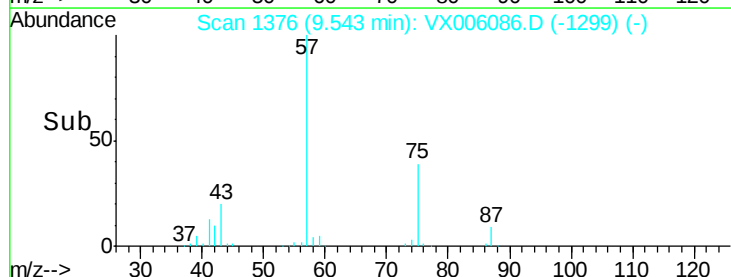
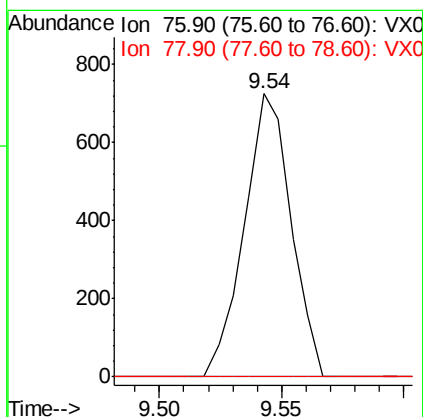
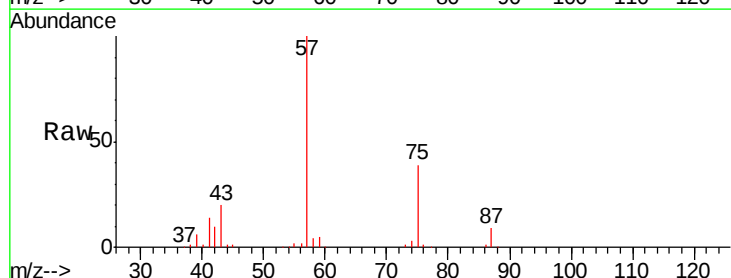
Instrument :
 MSVOA_X
 ClientSampleId :
 FS-OILY-STONE

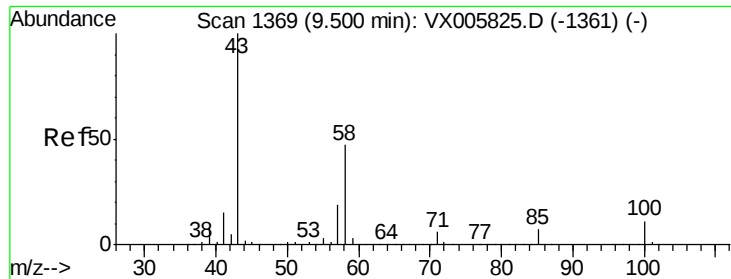
Tgt Ion: 75 Resp: 9027
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 32.6 38.2 57.2#



#57
 1,3-Dichloropropane
 Concen: 0.43 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.17 min
 Lab File: VX006086.D
 Acq: 19 Nov 2018 13:01

Tgt Ion: 76 Resp: 968
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#

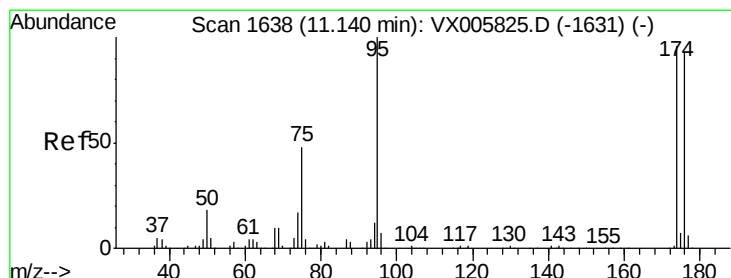
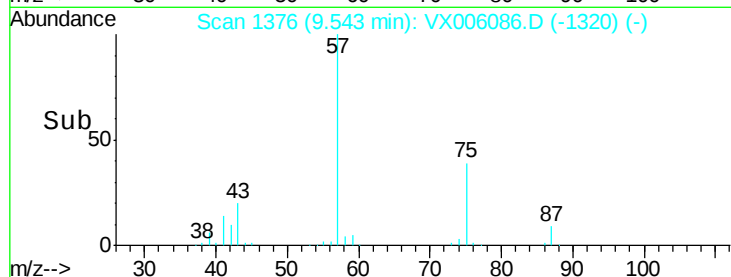
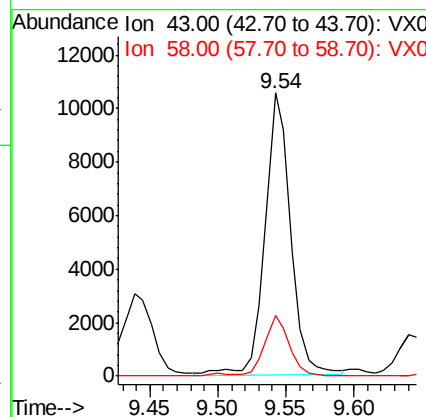
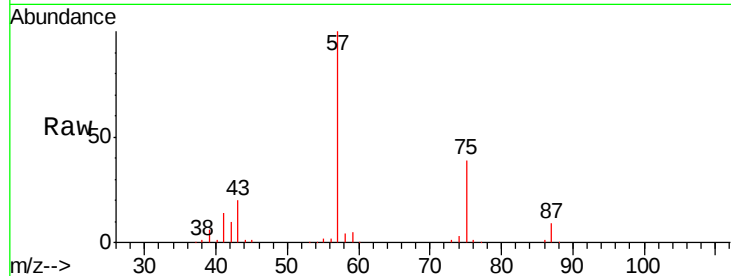




#59
2-Hexanone
Concen: 7.22 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.04 min
Lab File: VX006086.D
Acq: 19 Nov 2018 13:01

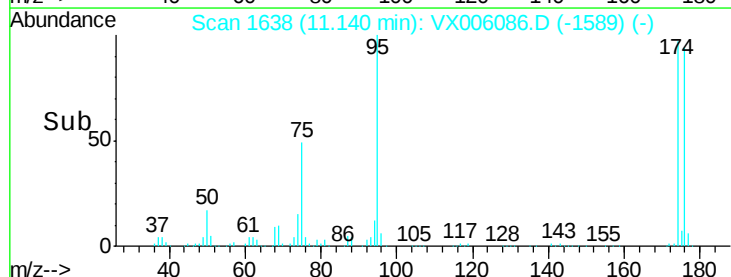
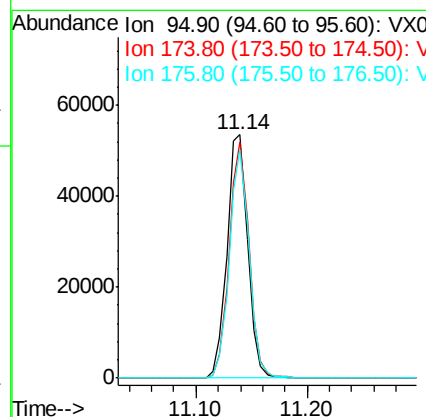
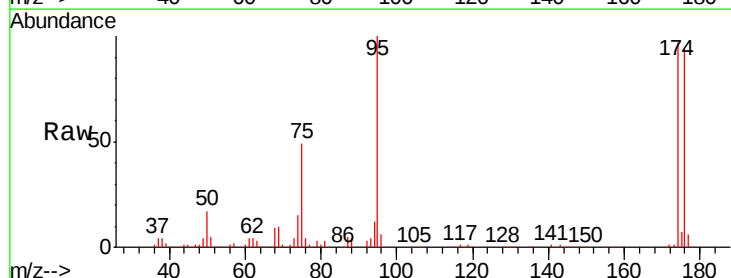
Instrument :
MSVOA_X
ClientSampleId :
FS-OILY-STONE

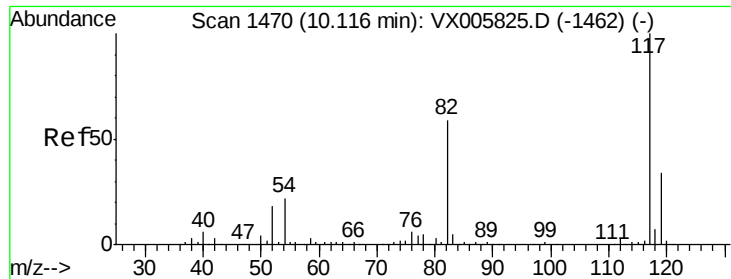
Tgt Ion: 43 Resp: 14104
Ion Ratio Lower Upper
43 100
58 20.4 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 44.49 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX006086.D
Acq: 19 Nov 2018 13:01

Tgt Ion: 95 Resp: 69248
Ion Ratio Lower Upper
95 100
174 92.8 0.0 184.4
176 89.3 0.0 177.4

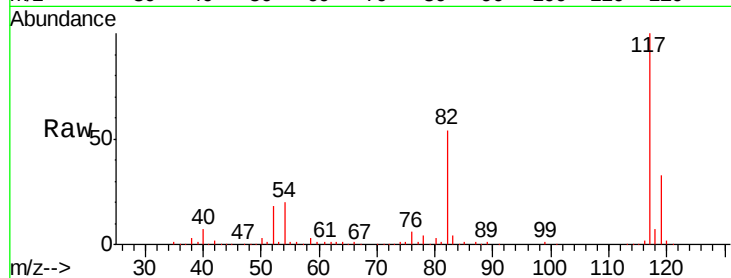




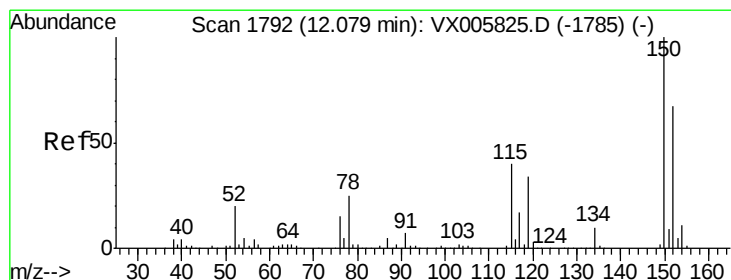
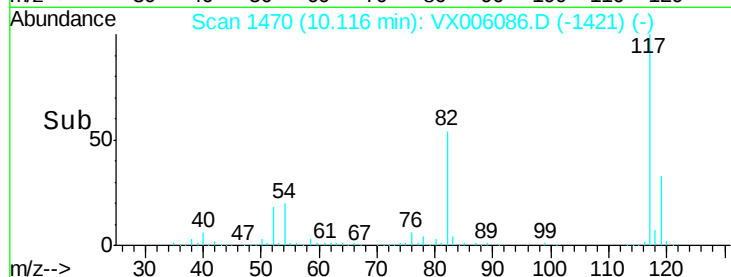
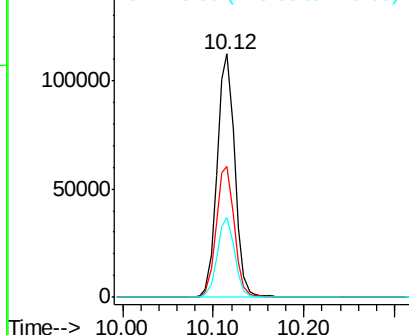
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006086.D
Acq: 19 Nov 2018 13:01

Instrument :
MSVOA_X
ClientSampleId :
FS-OILY-STONE

Tgt Ion:117 Resp: 153779
Ion Ratio Lower Upper
117 100
82 53.9 44.1 66.1
119 32.7 26.2 39.2

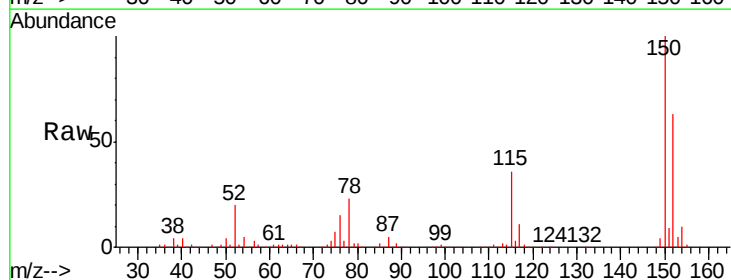


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

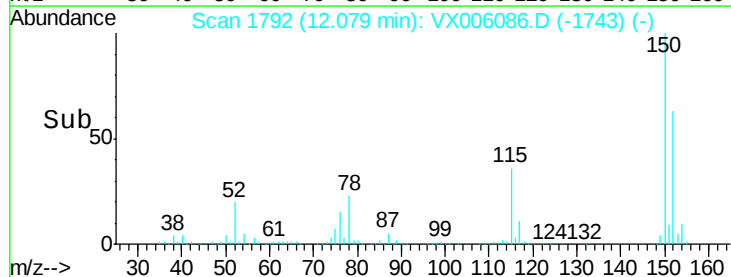
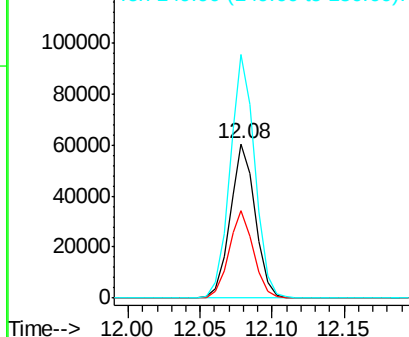


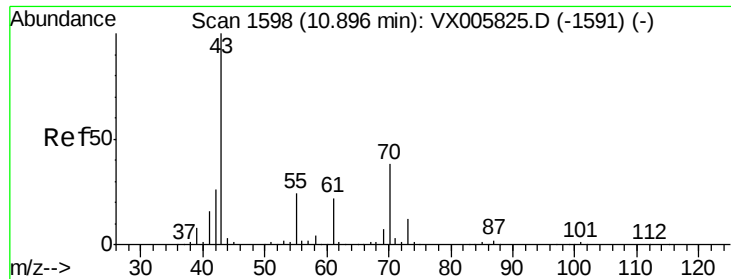
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006086.D
Acq: 19 Nov 2018 13:01

Tgt Ion:152 Resp: 73652
Ion Ratio Lower Upper
152 100
115 55.6 39.4 118.1
150 157.0 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

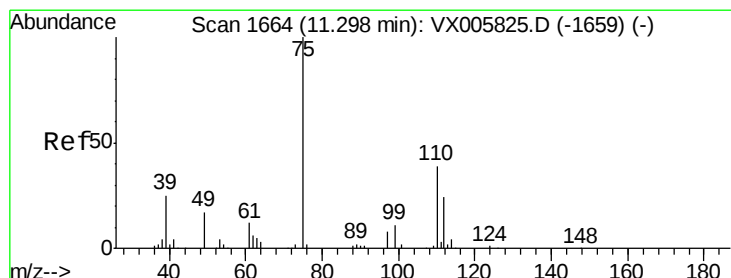
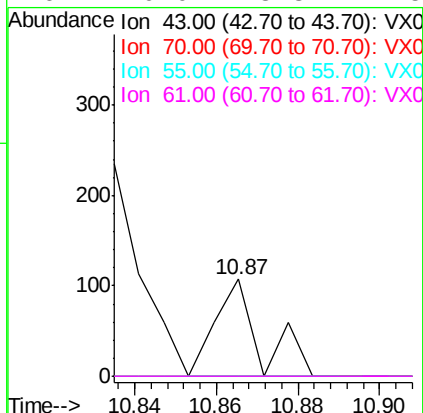
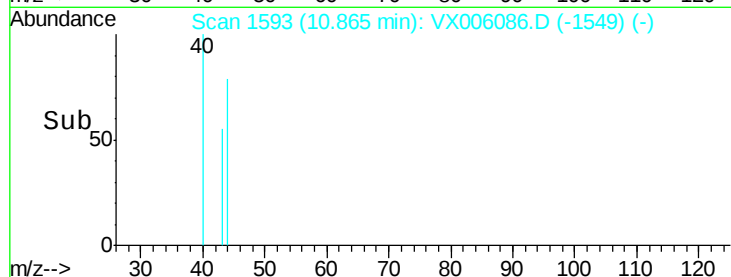
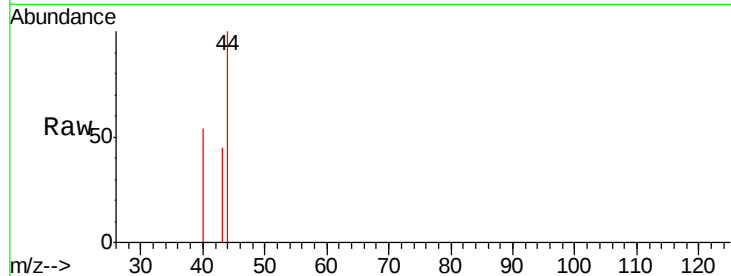




#74
N-amyI acetate
Concen: 1.28 ug/l
RT: 10.87 min Scan# 1593
Delta R.T. -0.03 min
Lab File: VX006086.D
Acq: 19 Nov 2018 13:01

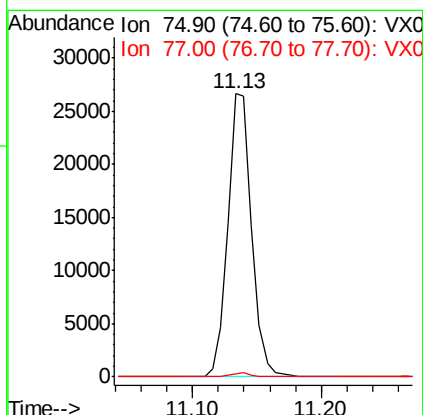
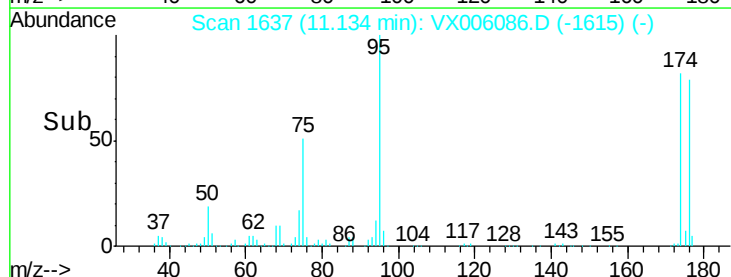
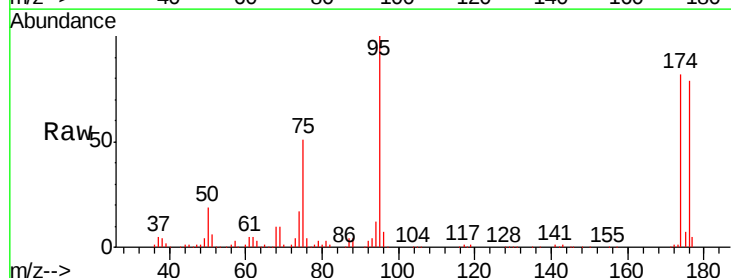
Instrument :
MSVOA_X
ClientSampleId :
FS-OILY-STONE

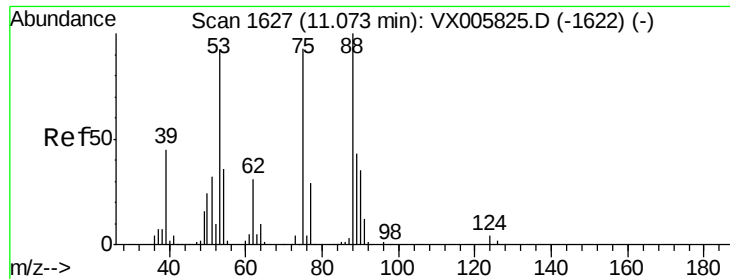
Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
70 0.0 31.6 47.4#
55 0.0 19.7 29.5#
61 0.0 18.3 27.5#



#76
1,2,3-Trichloropropane
Concen: 23.04 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006086.D
Acq: 19 Nov 2018 13:01

Tgt Ion: 75 Resp: 34548
Ion Ratio Lower Upper
75 100
77 1.2 20.5 61.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 73.42 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006086.D

Acq: 19 Nov 2018 13:01

Instrument :

MSVOA_X

ClientSampleId :

FS-OILY-STONE

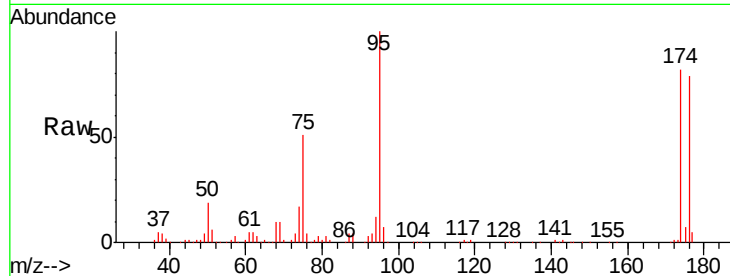
Tgt Ion: 75 Resp: 34548

Ion Ratio Lower Upper

75 100

53 0.1 80.2 120.2#

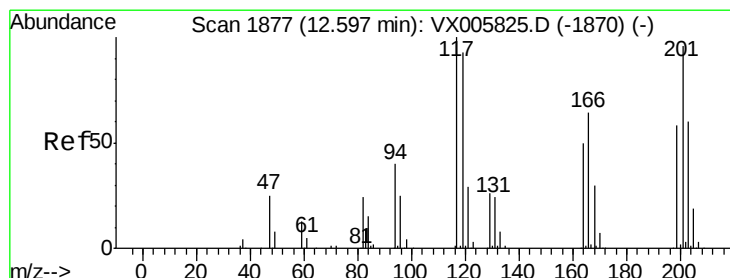
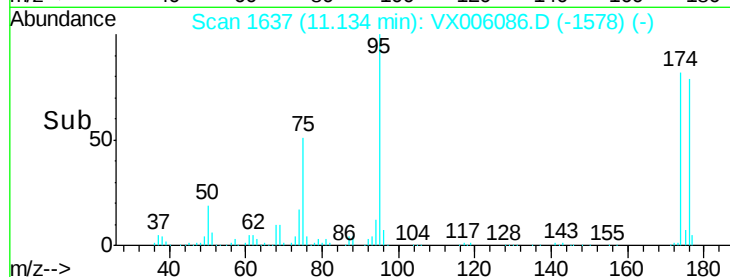
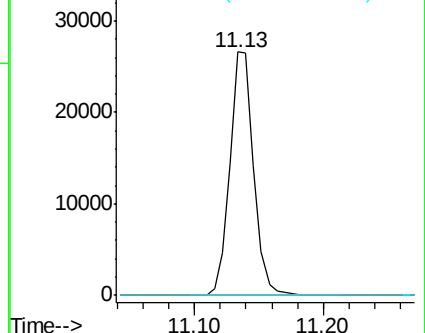
89 0.0 39.8 59.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#90

Hexachloroethane

Concen: 0.20 ug/l

RT: 12.76 min Scan# 1903

Delta R.T. 0.16 min

Lab File: VX006086.D

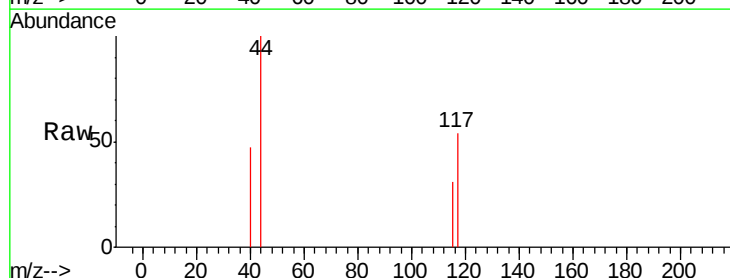
Acq: 19 Nov 2018 13:01

Tgt Ion: 117 Resp: 135

Ion Ratio Lower Upper

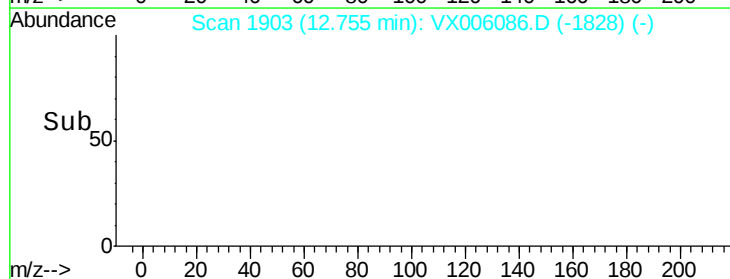
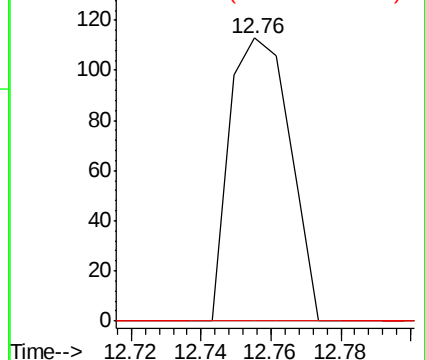
117 100

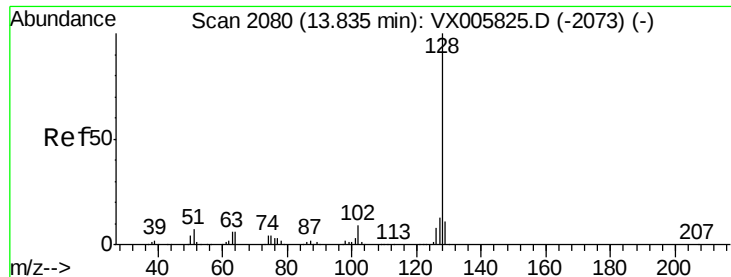
201 0.0 47.9 143.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95
Naphthalene
Concen: 1.48 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006086.D
Acq: 19 Nov 2018 13:01

Instrument :
MSVOA_X
ClientSampleId :
FS-OILY-STONE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.7	10.4	15.6
129	12.7	8.7	13.1

