

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111518\
 Data File : VX006021.D
 Acq On : 15 Nov 2018 15:47
 Operator : JC/MD
 Sample : J5911-02
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-09(16-18)

Quant Time: Nov 16 00:16:12 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	5.66	168	131931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	186841	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	170539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119128	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	78796	51.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.90%	
35) Dibromofluoromethane	5.51	113	60606	47.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.38%	
50) Toluene-d8	8.71	98	227070	53.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.50%	
62) 4-Bromofluorobenzene	11.14	95	82652	54.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.82%	

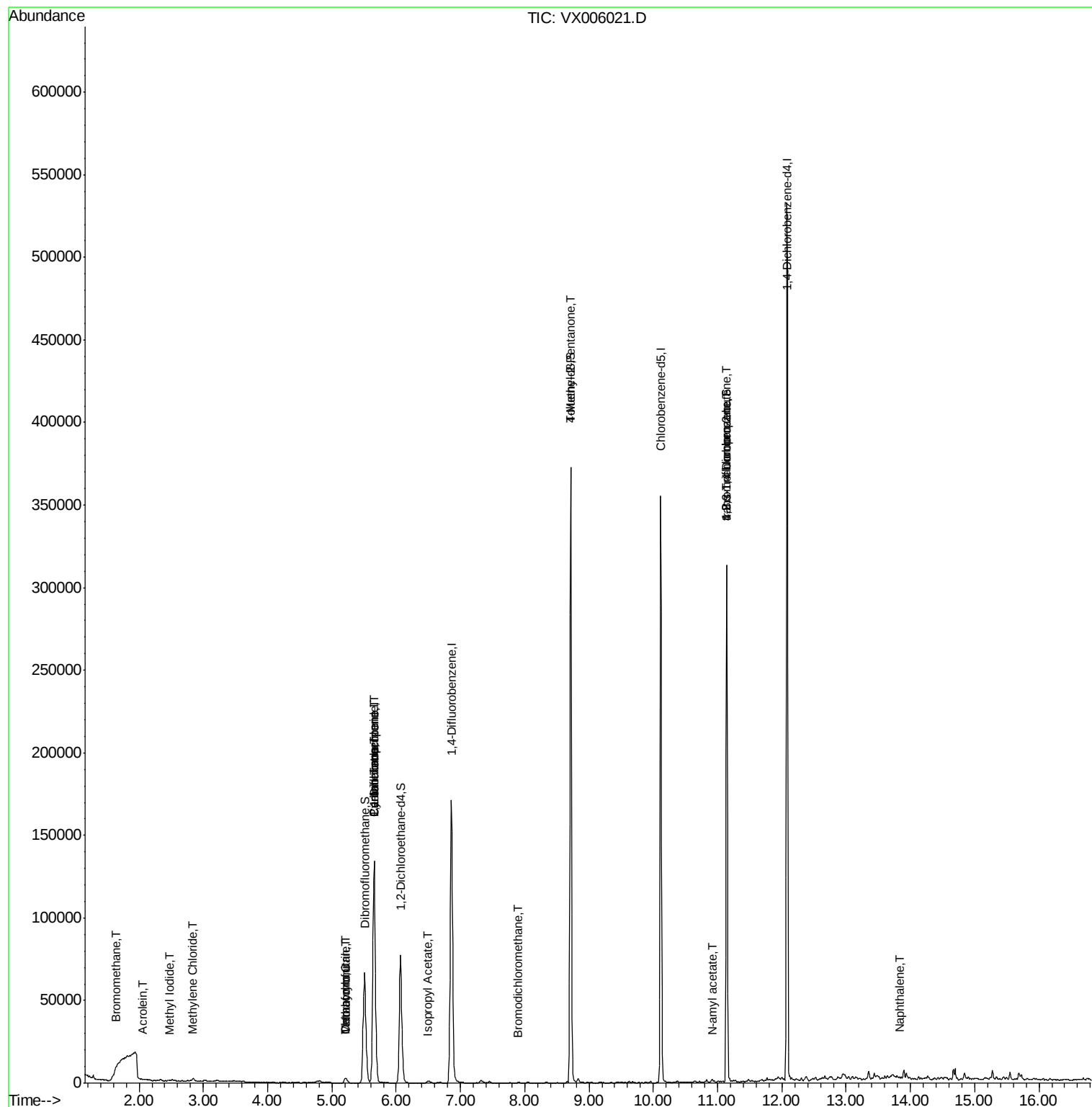
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	544	0.567	ug/l	94
10) Methyl Iodide	2.47	142	361	0.249	ug/l #	55
13) Acrolein	2.06	56	41	19.346	ug/l #	69
18) Methyl Acetate	2.76	43	131	Below Cal	#	55
20) Methylene Chloride	2.84	84	874	0.652	ug/l #	82
29) Tetrahydrofuran	5.21	42	826	1.002	ug/l #	74
30) Chloroform	5.21	83	2902	1.236	ug/l	98
31) Cyclohexane	5.65	56	2393	1.133	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	9214	5.116	ug/l #	49
38) Carbon Tetrachloride	5.65	117	11608	6.437	ug/l #	15
41) Methacrylonitrile	5.20	41	307	0.240	ug/l #	33
43) Isopropyl Acetate	6.49	43	792	0.231	ug/l #	63
47) Bromodichloromethane	7.90	83	367	0.243	ug/l #	68
51) 4-Methyl-2-Pentanone	8.72	43	1160	0.536	ug/l #	1
74) N-amyl acetate	10.91	43	137	1.285	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	40561	16.721	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	40561	53.294	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	323	Below Cal		94
95) Naphthalene	13.83	128	753	1.263	ug/l #	90

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

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Misc : 5.0µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
FDSB-09(16-18)

Quant Time: Nov 16 00:16:12 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: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006021.D

Acq: 15 Nov 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

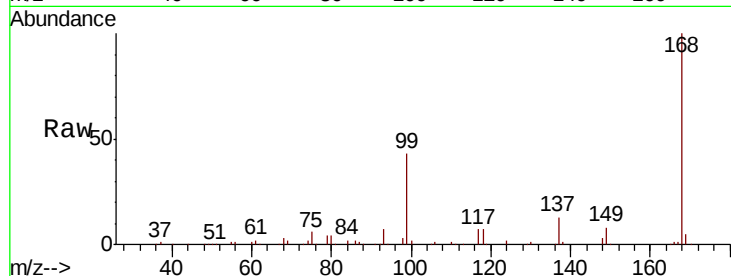
FDSB-09(16-18)

Tot Ion:168 Resp: 131931

Ion Ratio Lower Upper

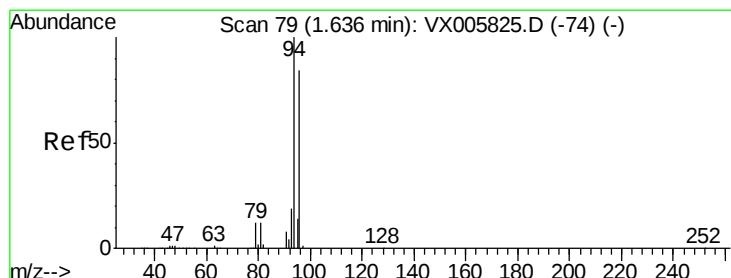
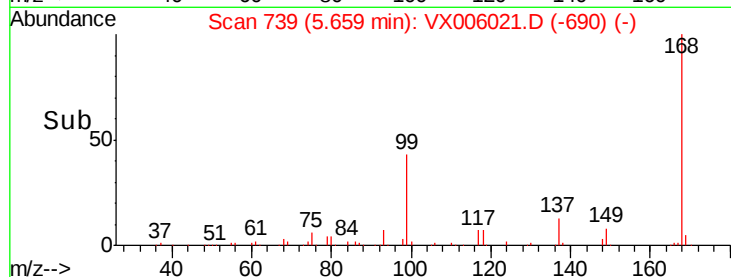
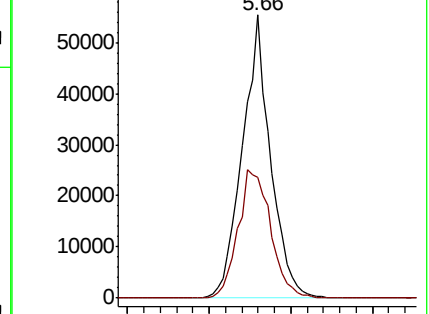
168 100

99 42.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.567 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006021.D

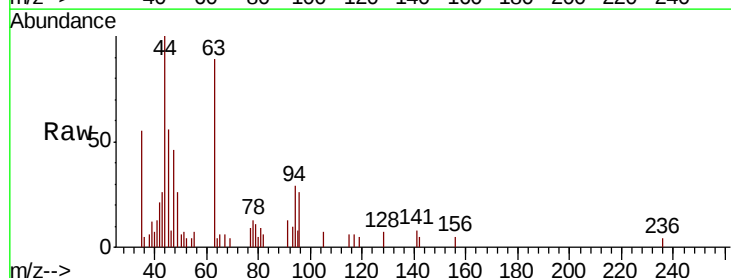
Acq: 15 Nov 2018 15:47

Tgt Ion: 94 Resp: 544

Ion Ratio Lower Upper

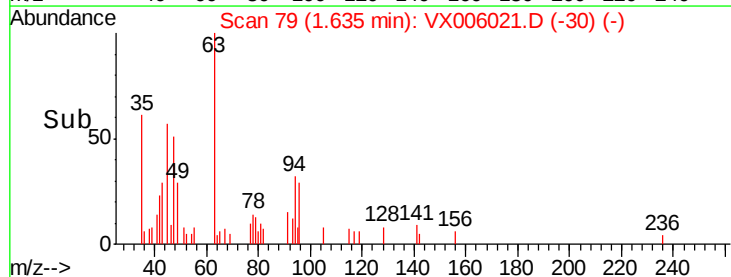
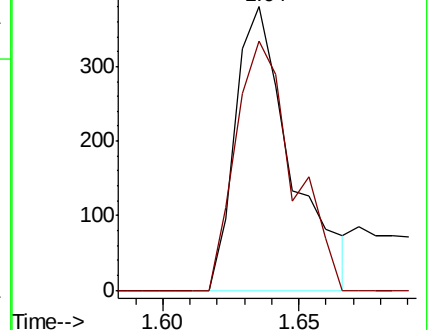
94 100

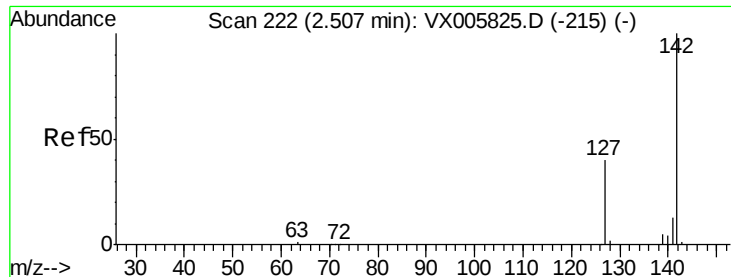
96 87.9 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

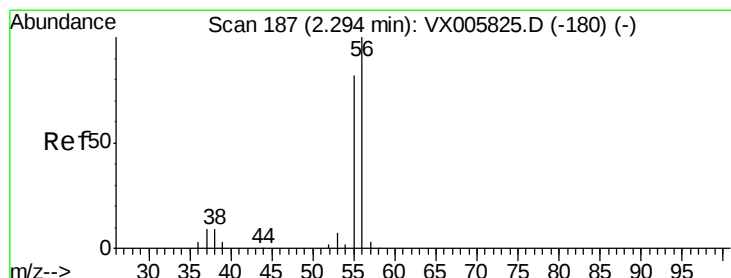
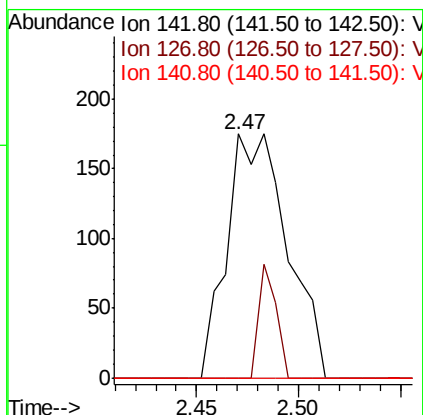
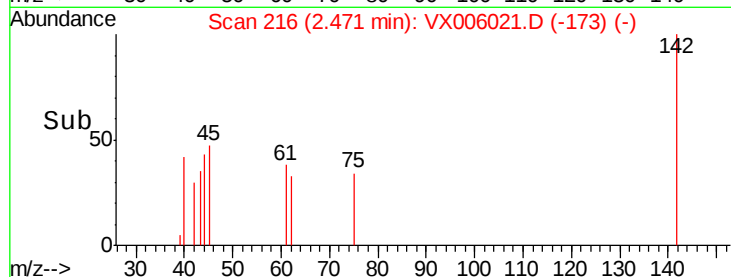
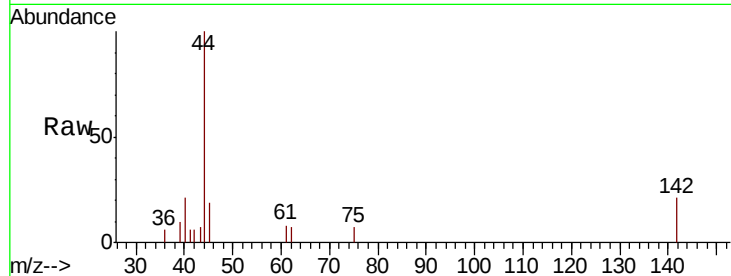




#10
Methvl Iodide
Concen: 0.249 ug/l
RT: 2.47 min Scan# 216
Delta R.T. -0.04 min
Lab File: VX006021.D
Acq: 15 Nov 2018 15:47

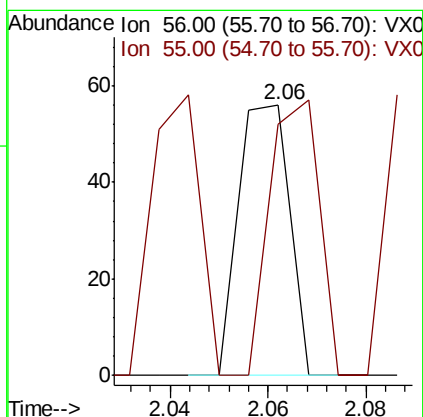
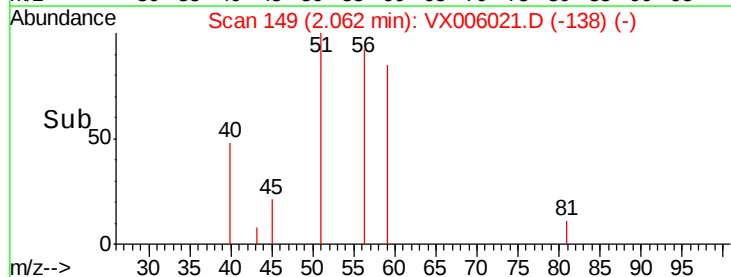
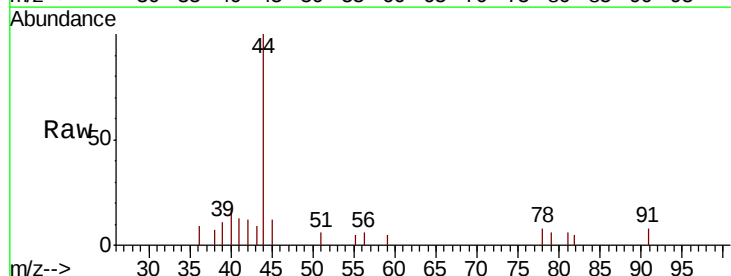
Instrument :
MSVOA_X
ClientSampleId :
FDSB-09(16-18)

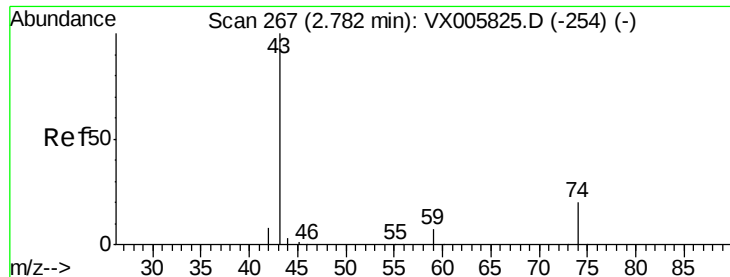
Tot Ion:142 Resp: 361
Ion Ratio Lower Upper
142 100
127 13.6 36.0 54.0#
141 0.0 11.7 17.5#



#13
Acrolein
Concen: 19.346 ug/l
RT: 2.06 min Scan# 149
Delta R.T. -0.23 min
Lab File: VX006021.D
Acq: 15 Nov 2018 15:47

Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 97.6 57.3 85.9#

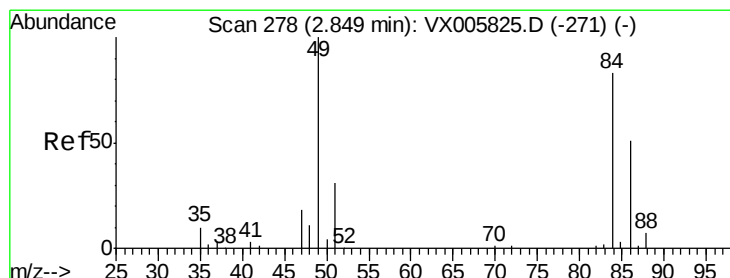
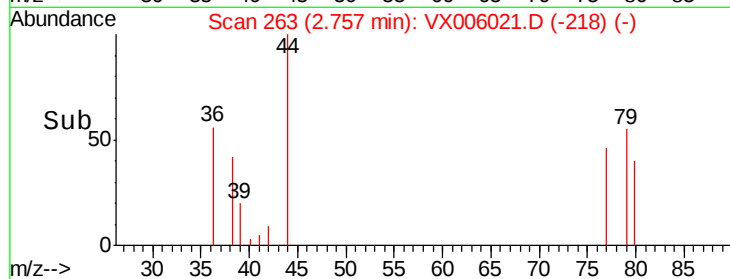
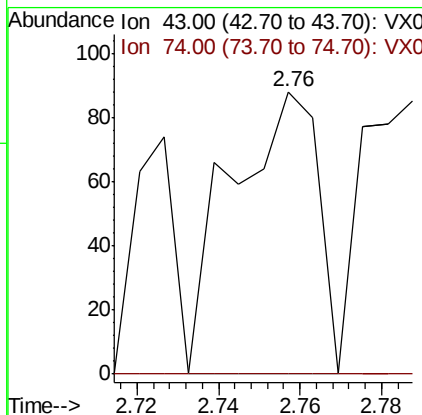
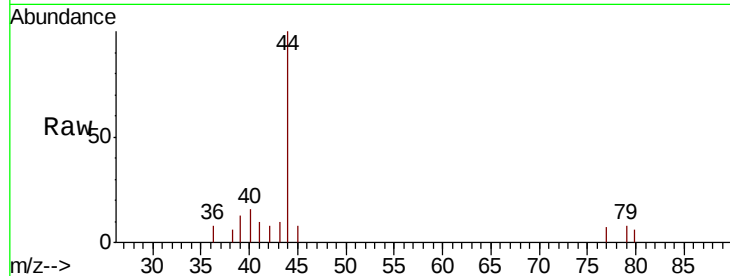




#18
Methyl Acetate
Concen: Below Cal
RT: 2.76 min Scan# 263
Delta R.T. -0.02 min
Lab File: VX006021.D
Acq: 15 Nov 2018 15:47

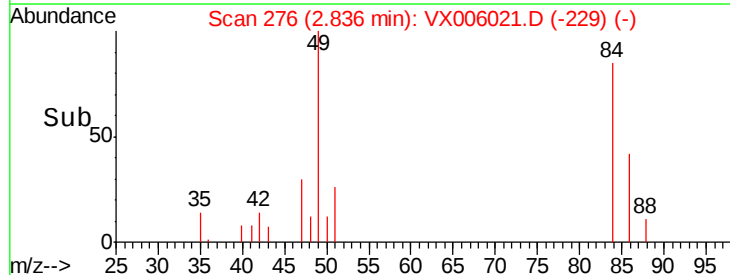
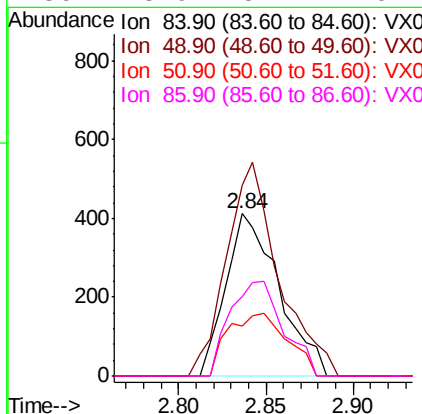
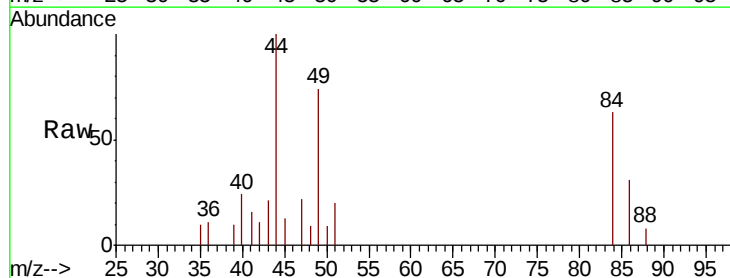
Instrument :
MSVOA_X
ClientSampleId :
FDSB-09(16-18)

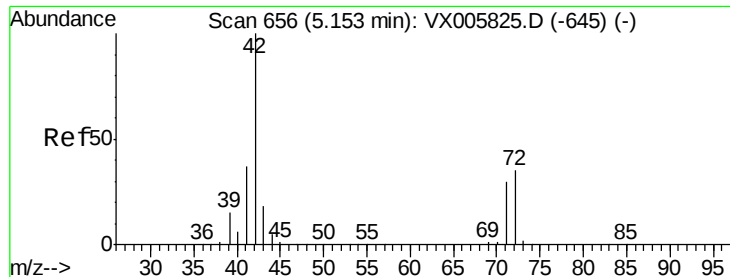
Tot Ion: 43 Resp: 131
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#



#20
Methylene Chloride
Concen: 0.652 ug/l
RT: 2.84 min Scan# 276
Delta R.T. -0.01 min
Lab File: VX006021.D
Acq: 15 Nov 2018 15:47

Tgt Ion: 84 Resp: 874
Ion Ratio Lower Upper
84 100
49 117.5 109.5 164.3
51 30.9 33.3 49.9#
86 48.9 52.7 79.1#

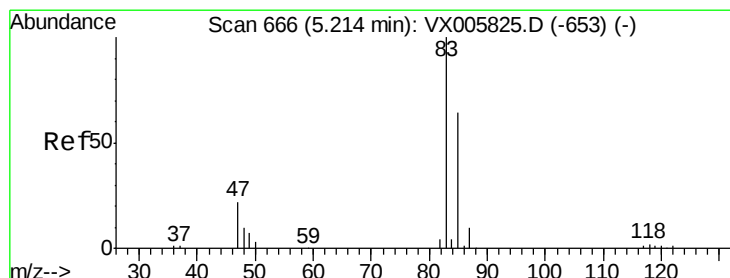
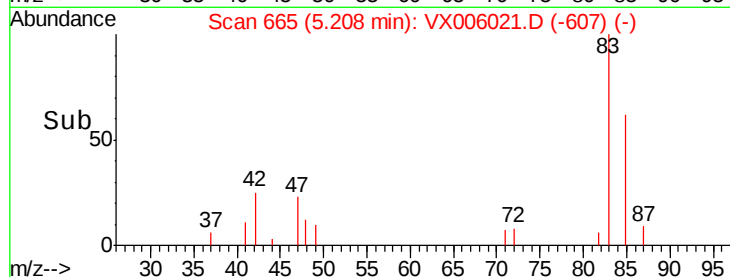
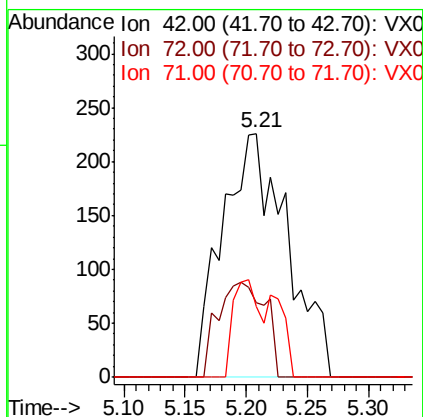
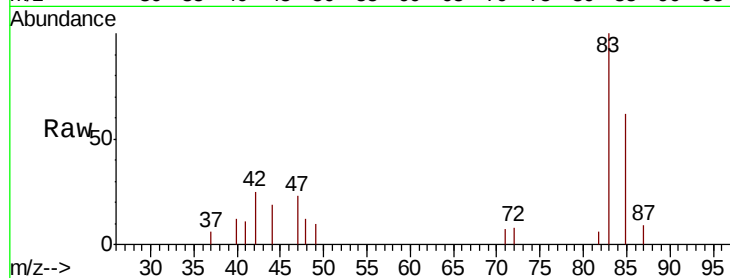




#29
Tetrahydrofuran
Concen: 1.002 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.05 min
Lab File: VX006021.D
Acq: 15 Nov 2018 15:47

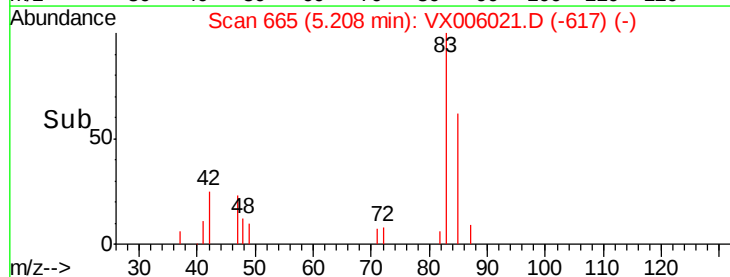
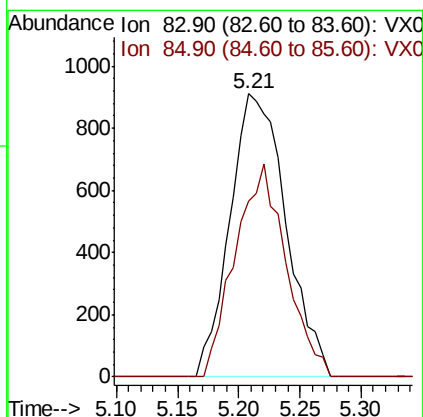
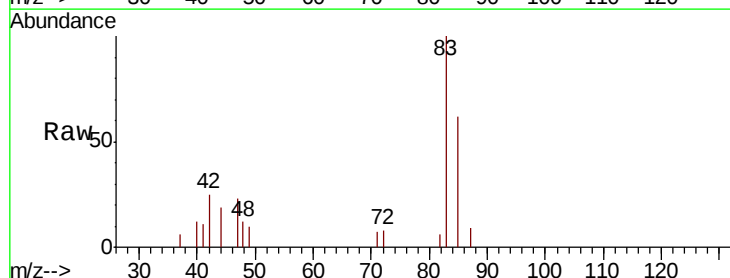
Instrument :
MSVOA_X
ClientSampleId :
FDSB-09(16-18)

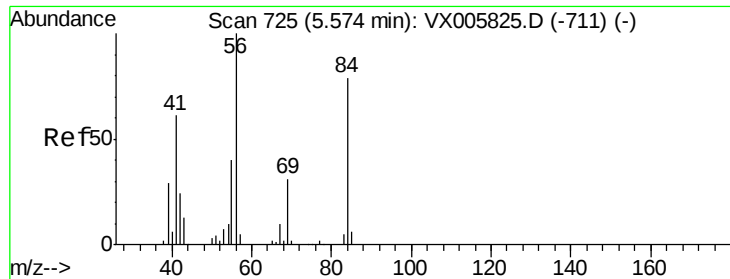
Tot Ion: 42 Resp: 826
Ion Ratio Lower Upper
42 100
72 28.8 32.0 48.0#
71 16.2 29.8 44.8#



#30
Chloroform
Concen: 1.236 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX006021.D
Acq: 15 Nov 2018 15:47

Tgt Ion: 83 Resp: 2902
Ion Ratio Lower Upper
83 100
85 62.1 50.6 76.0

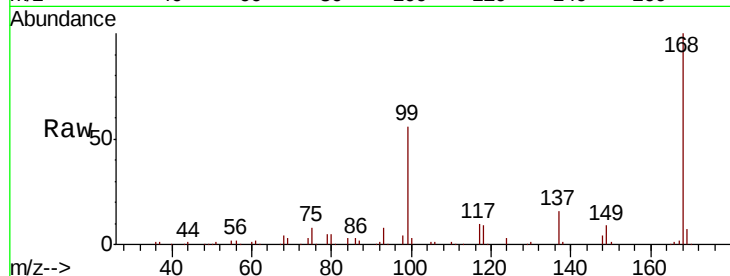




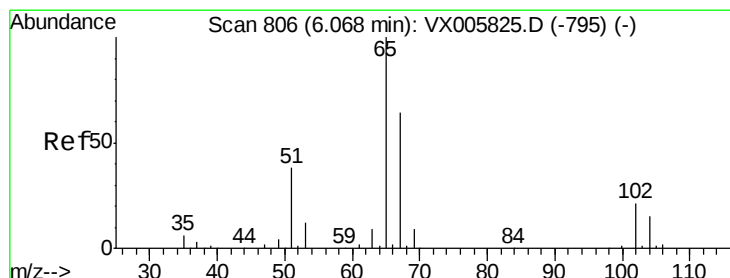
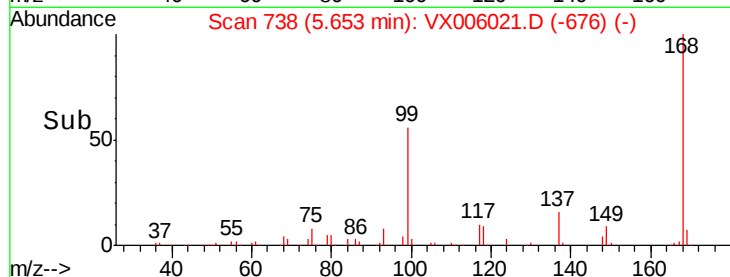
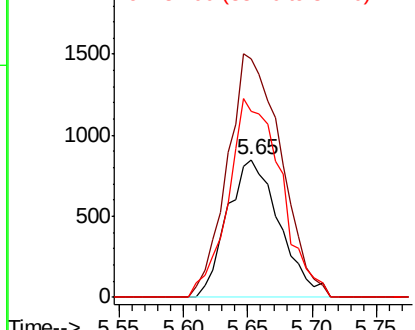
#31
Cyclohexane
Concen: 1.133 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX006021.D
Acq: 15 Nov 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
FDSB-09(16-18)

Tot Ion: 56 Resp: 2393
Ion Ratio Lower Upper
56 100
69 173.6 22.6 34.0#
84 135.1 62.7 94.1#

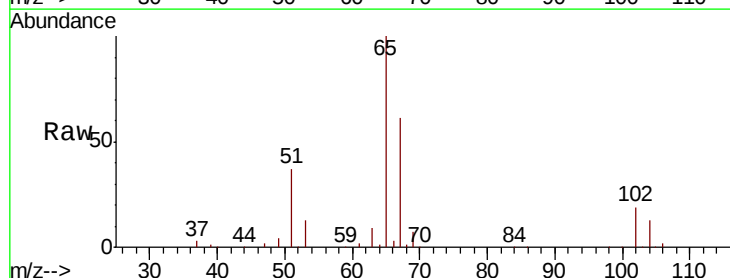


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

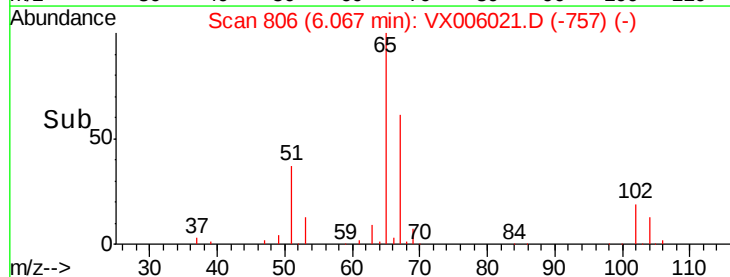
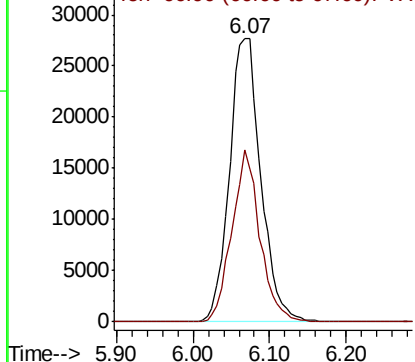


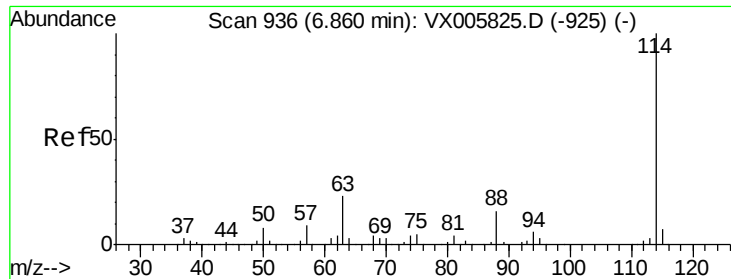
#33
1,2-Dichloroethane-d4
Concen: 51.952 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX006021.D
Acq: 15 Nov 2018 15:47

Tgt Ion: 65 Resp: 78796
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

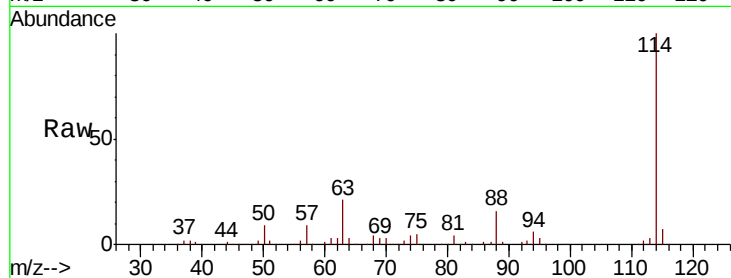




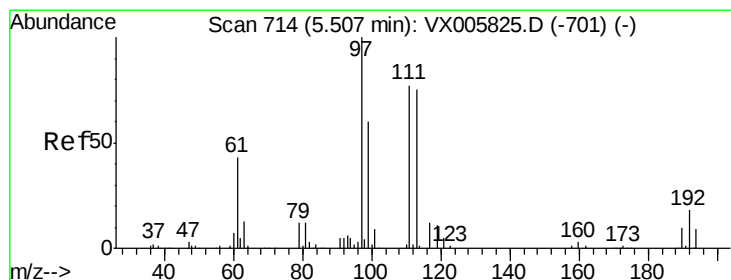
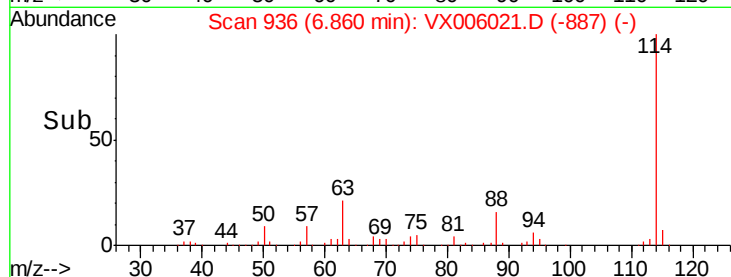
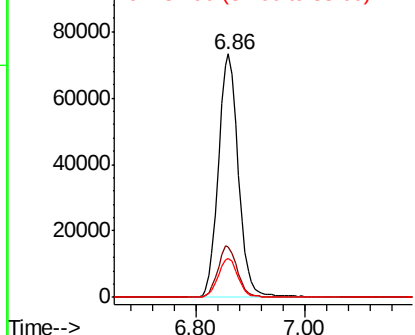
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX006021.D
Acq: 15 Nov 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
FDSB-09(16-18)

Tot Ion:114 Resp: 186841
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.8
88 15.9 0.0 31.2

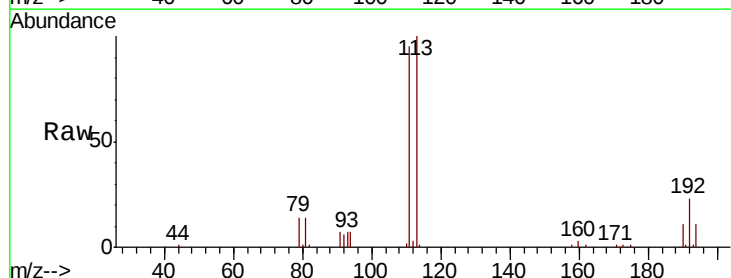


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

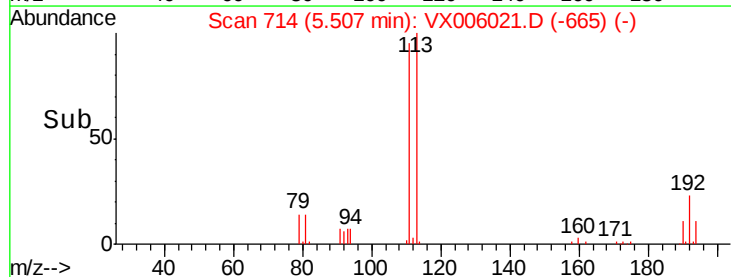
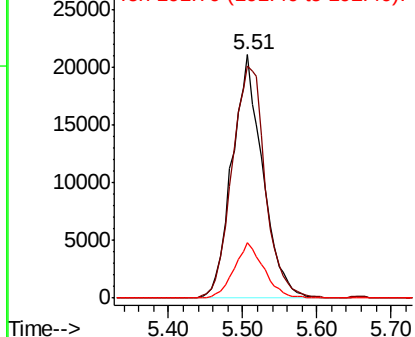


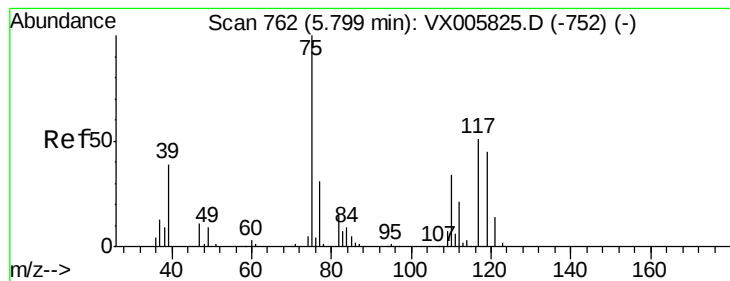
#35
Dibromofluoromethane
Concen: 47.691 ug/l
RT: 5.51 min Scan# 714
Delta R.T. -0.00 min
Lab File: VX006021.D
Acq: 15 Nov 2018 15:47

Tgt Ion:113 Resp: 60606
Ion Ratio Lower Upper
113 100
111 103.3 82.3 123.5
192 22.3 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: 5.116 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX006021.D

Acq: 15 Nov 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

FDSB-09(16-18)

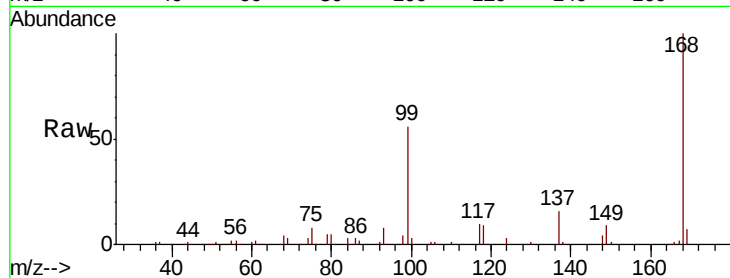
Tot Ion: 75 Resp: 9214

Ion Ratio Lower Upper

75 100

110 9.1 17.4 52.2#

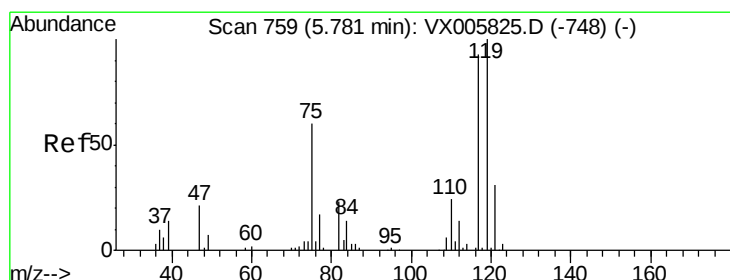
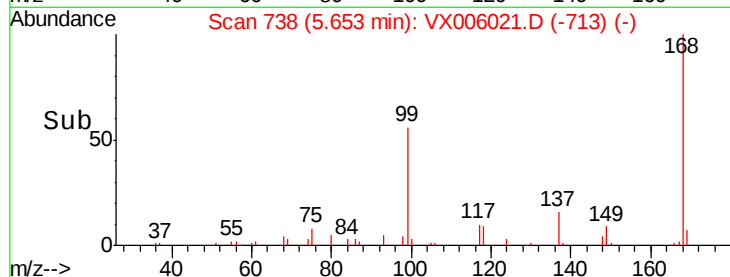
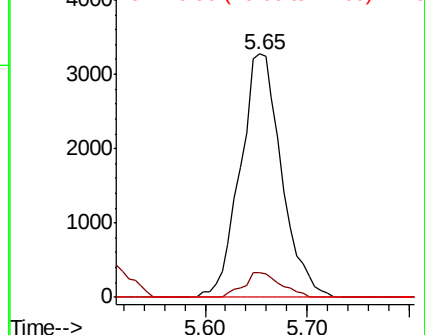
77 0.0 25.8 38.6#



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: 6.437 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX006021.D

Acq: 15 Nov 2018 15:47

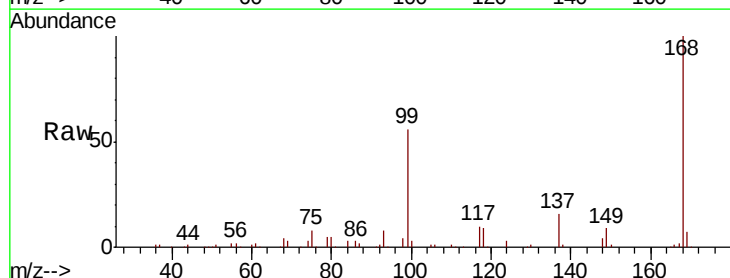
Tgt Ion: 117 Resp: 11608

Ion Ratio Lower Upper

117 100

119 4.4 78.1 117.1#

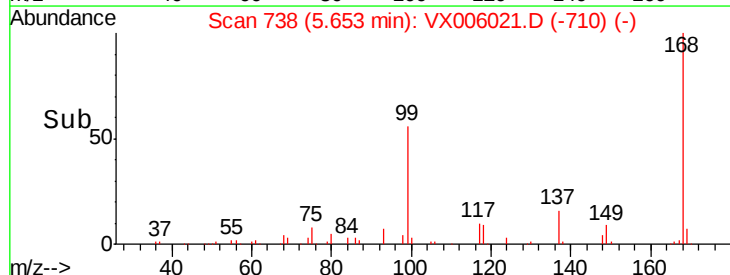
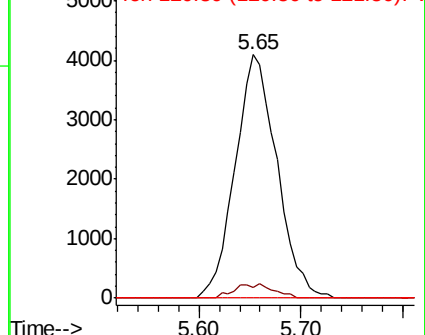
121 0.0 24.6 36.8#

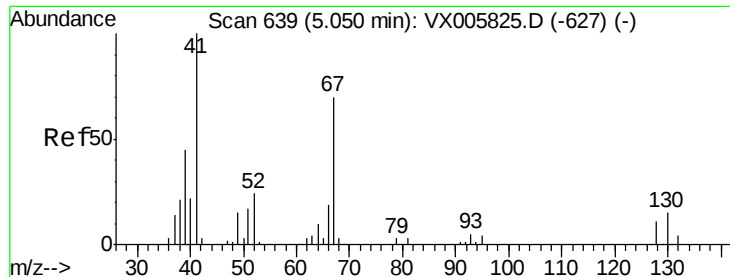


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

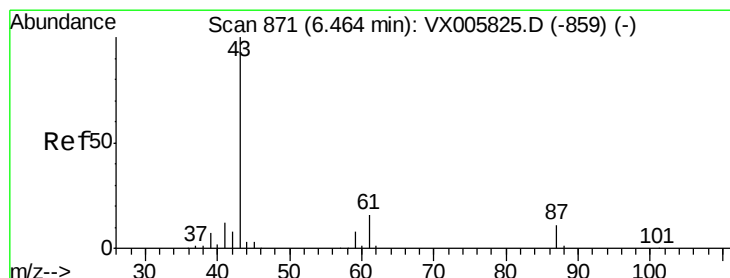
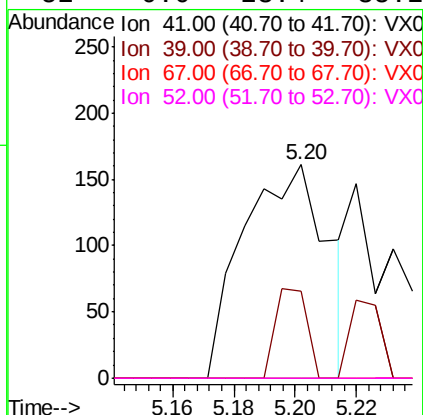
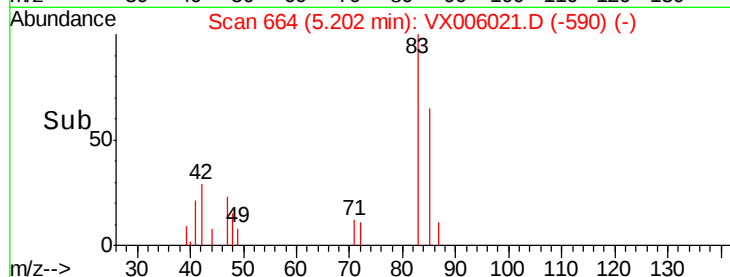
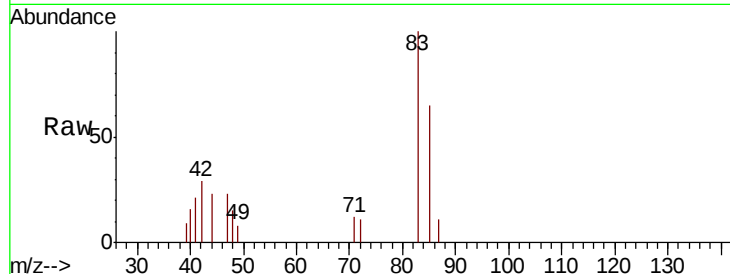




#41
Methacrylonitrile
Concen: 0.240 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.15 min
Lab File: VX006021.D
Acq: 15 Nov 2018 15:47

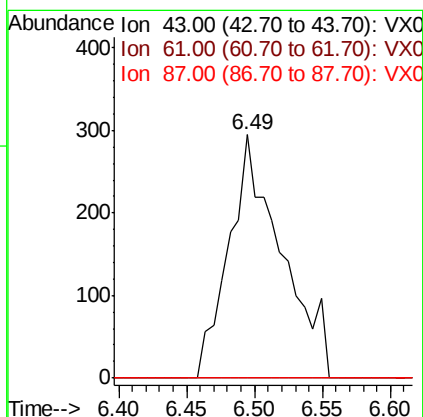
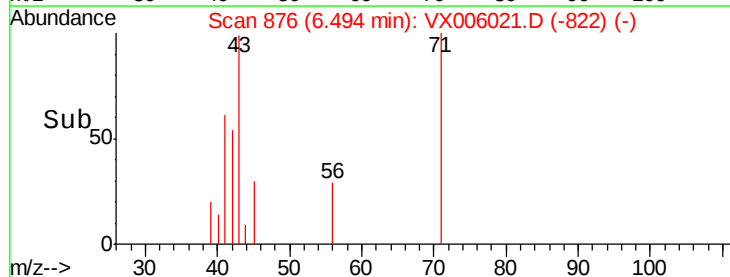
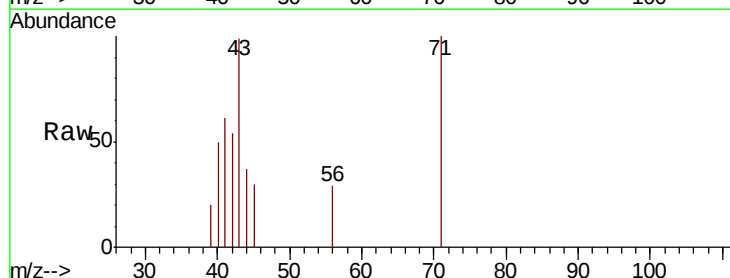
Instrument :
MSVOA_X
ClientSampled :
FDSB-09(16-18)

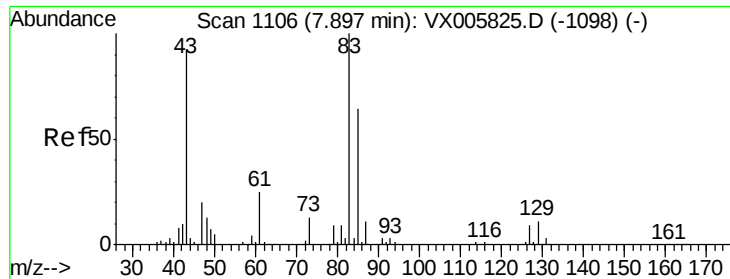
Tot Ion: 41 Resp: 307
Ion Ratio Lower Upper
41 100
39 16.0 42.2 63.2#
67 0.0 53.4 80.0#
52 0.0 23.4 35.2#



#43
Isopropyl Acetate
Concen: 0.231 ug/l
RT: 6.49 min Scan# 876
Delta R.T. 0.03 min
Lab File: VX006021.D
Acq: 15 Nov 2018 15:47

Tgt Ion: 43 Resp: 792
Ion Ratio Lower Upper
43 100
61 0.0 14.6 22.0#
87 0.0 9.6 14.4#





#47

Bromodichloromethane

Concen: 0.243 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006021.D

Acq: 15 Nov 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

FDSB-09(16-18)

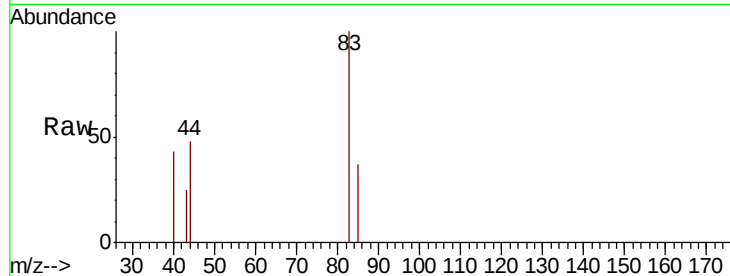
Tot Ion: 83 Resp: 367

Ion Ratio Lower Upper

83 100

85 37.0 50.2 75.4#

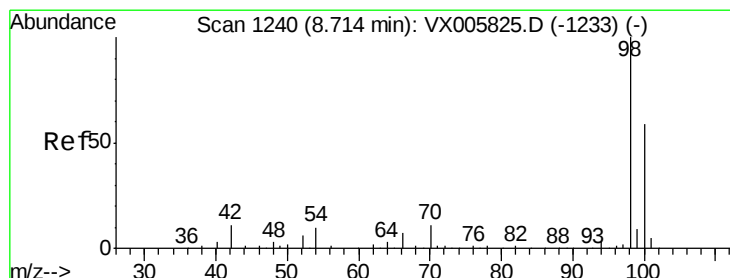
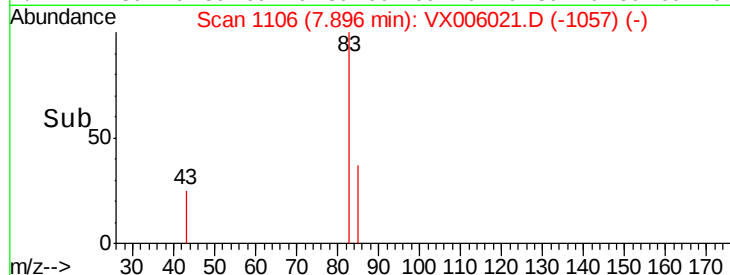
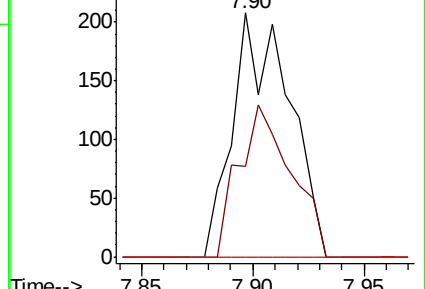
127 0.0 6.9 10.3#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#50

Toluene-d8

Concen: 53.746 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006021.D

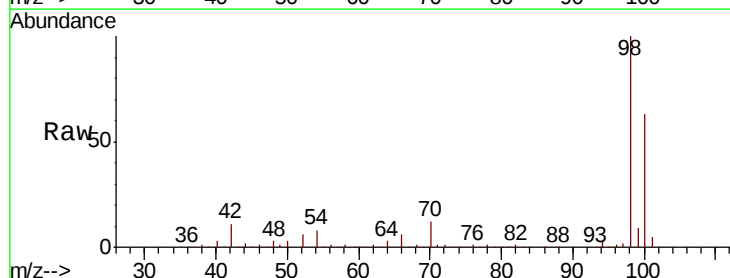
Acq: 15 Nov 2018 15:47

Tgt Ion: 98 Resp: 227070

Ion Ratio Lower Upper

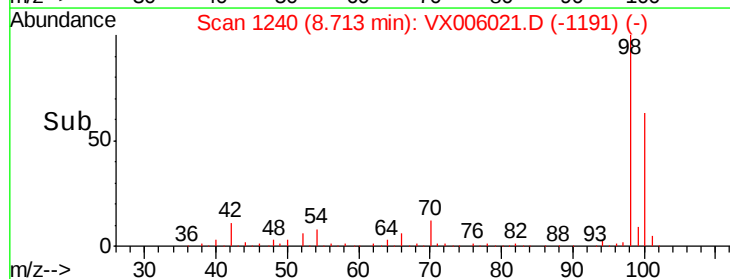
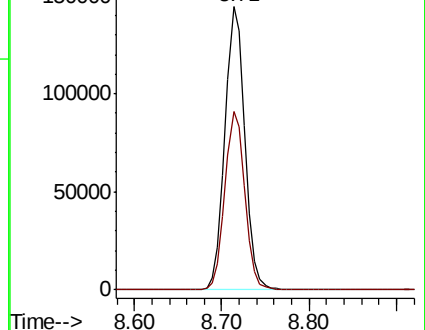
98 100

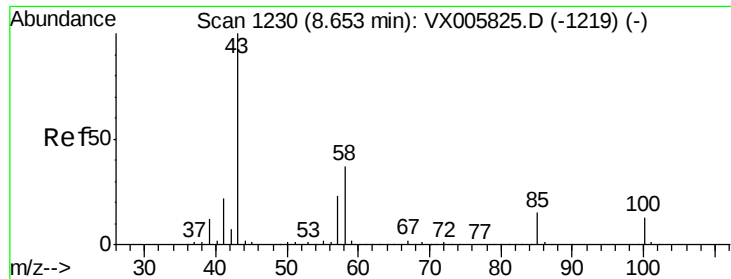
100 63.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.536 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.07 min

Lab File: VX006021.D

Acq: 15 Nov 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

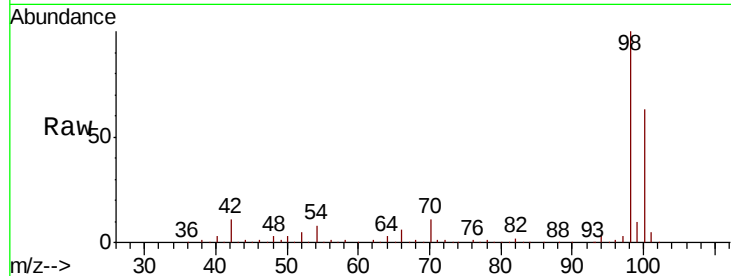
FDSB-09(16-18)

Tot Ion: 43 Resp: 1160

Ion Ratio Lower Upper

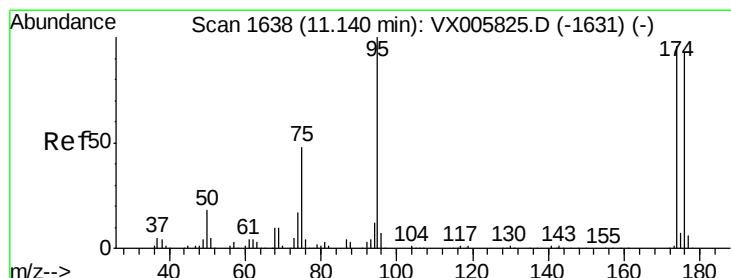
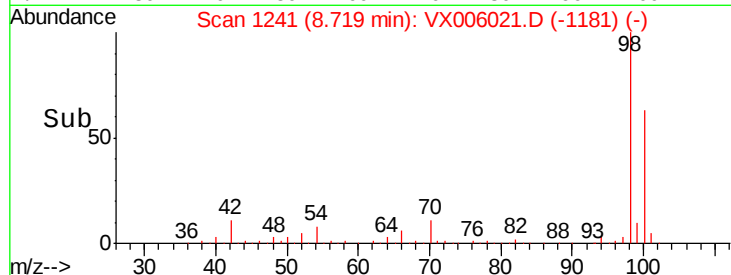
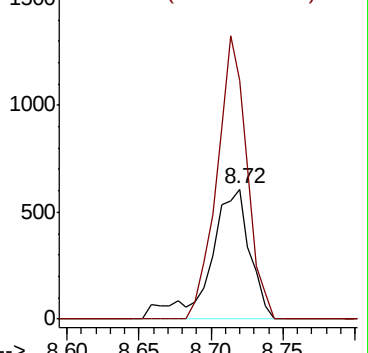
43 100

58 165.6 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 54.412 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006021.D

Acq: 15 Nov 2018 15:47

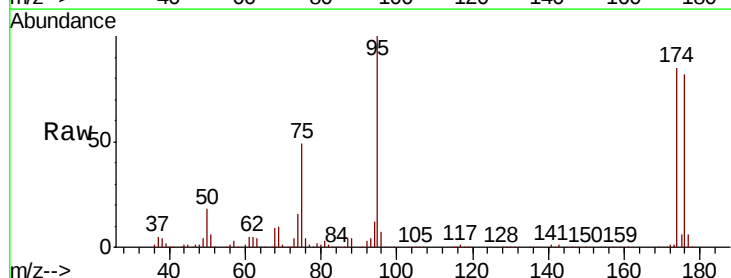
Tgt Ion: 95 Resp: 82652

Ion Ratio Lower Upper

95 100

174 90.1 0.0 184.4

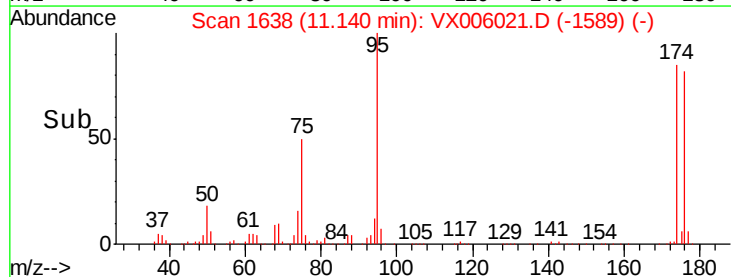
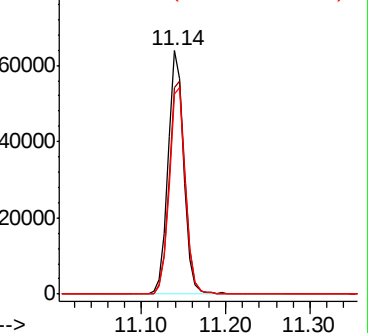
176 87.1 0.0 177.4

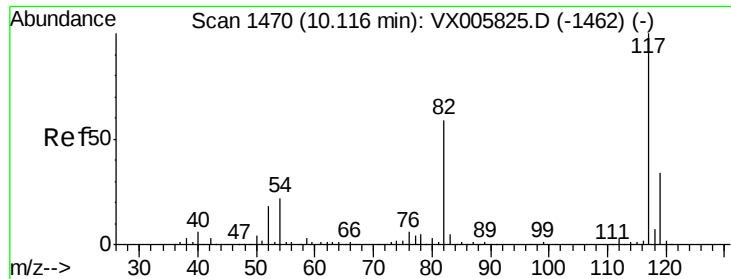


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

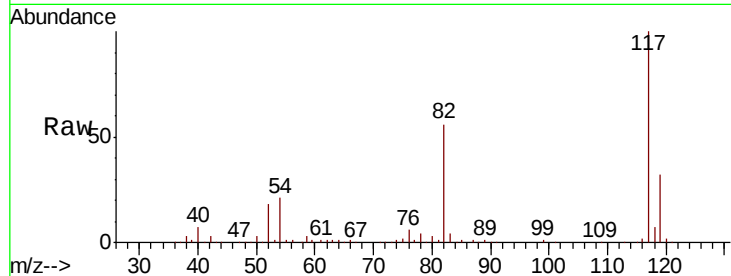




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006021.D
Acq: 15 Nov 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
FDSB-09(16-18)

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.1	66.1
119	31.9	26.2	39.2

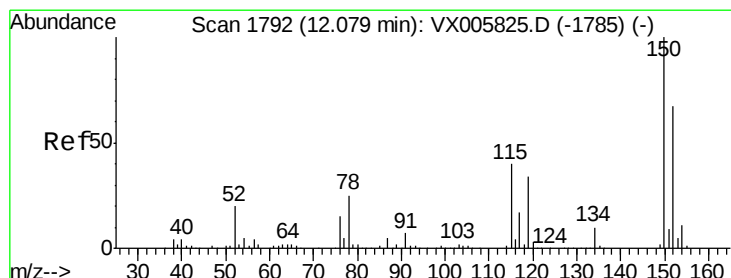
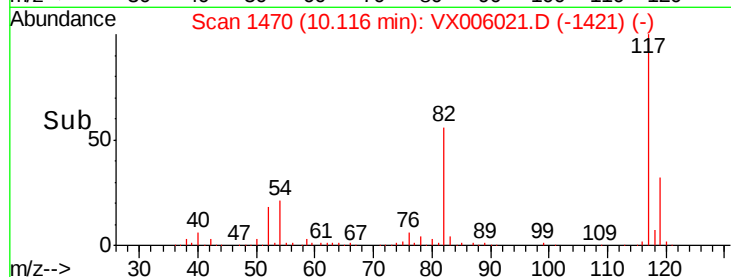
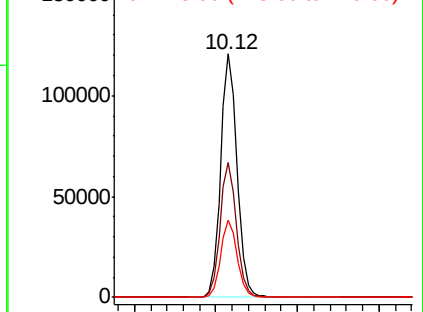


Abundance

Ion 116.90 (116.60 to 117.60): V

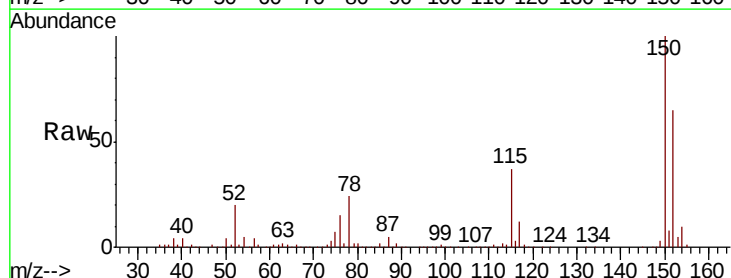
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006021.D
Acq: 15 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	39.4	118.1
150	154.4	0.0	346.4

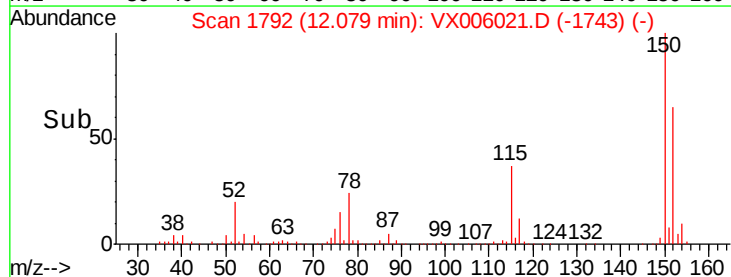
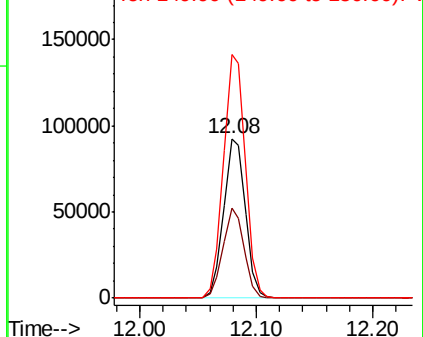


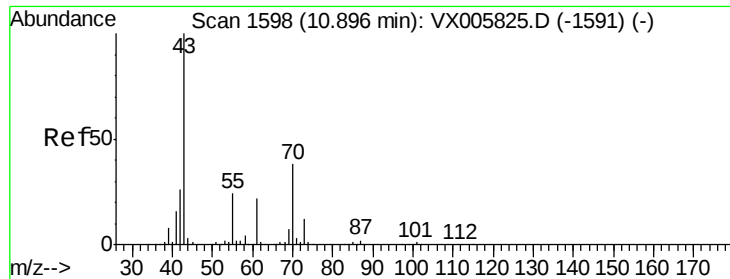
Abundance

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-amvl acetate

Concen: 1.285 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.02 min

Lab File: VX006021.D

Acq: 15 Nov 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

FDSB-09(16-18)

Tot Ion: 43 Resp: 137

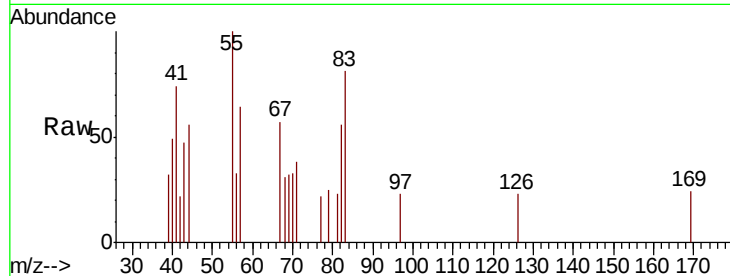
Ion Ratio Lower Upper

43 100

70 37.2 31.6 47.4

55 274.5 19.7 29.5#

61 0.0 18.3 27.5#

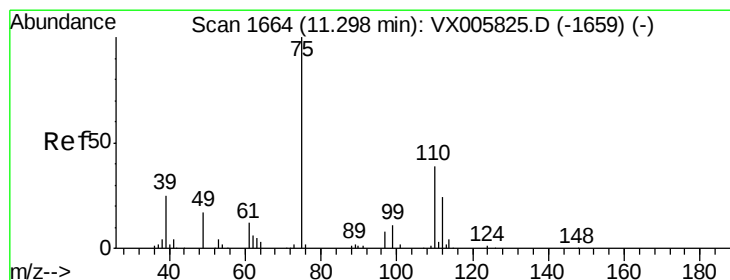
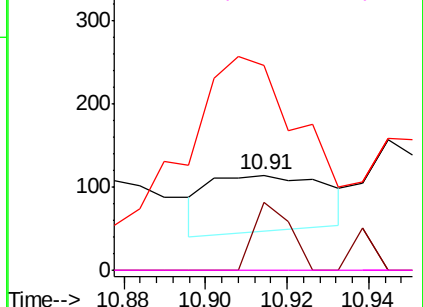
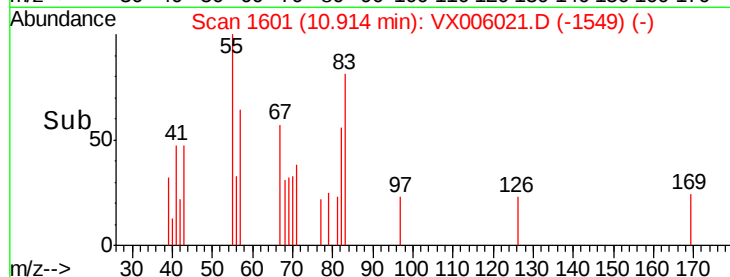


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 16.721 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006021.D

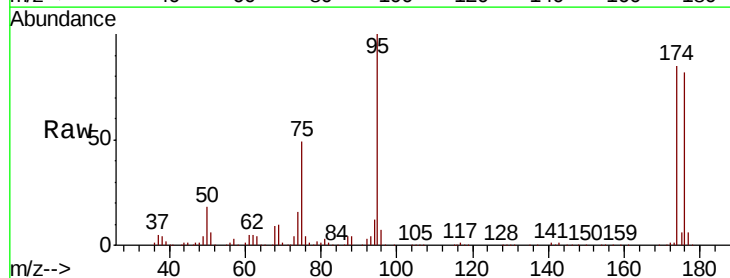
Acq: 15 Nov 2018 15:47

Tgt Ion: 75 Resp: 40561

Ion Ratio Lower Upper

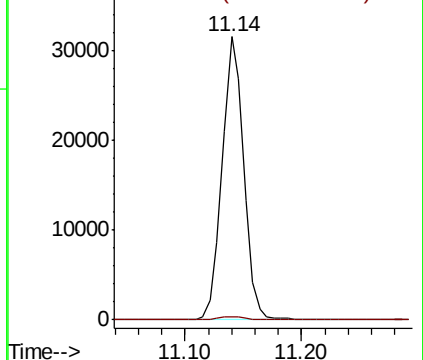
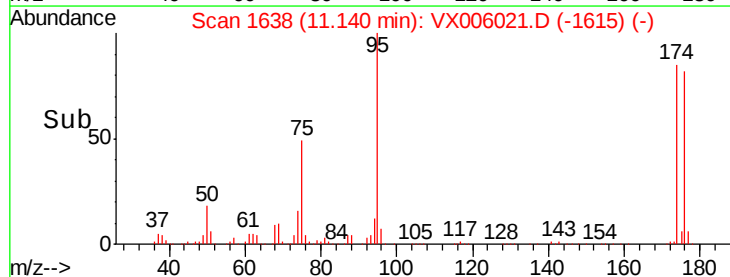
75 100

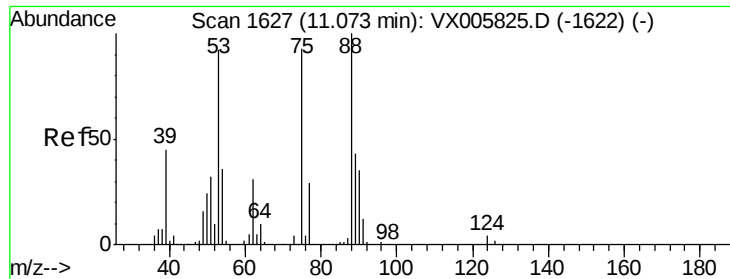
77 1.5 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 53.294 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006021.D

Acq: 15 Nov 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

FDSB-09(16-18)

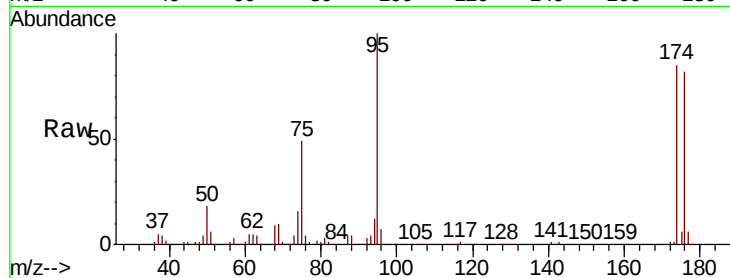
Tot Ion: 75 Resp: 40561

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

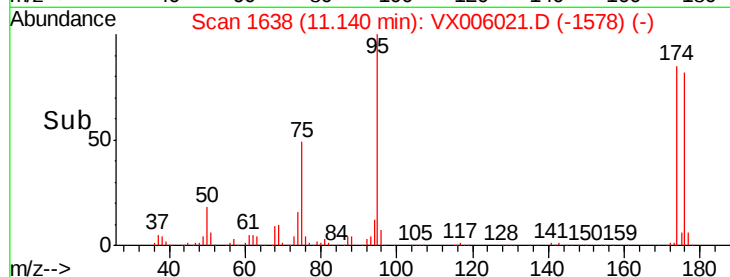
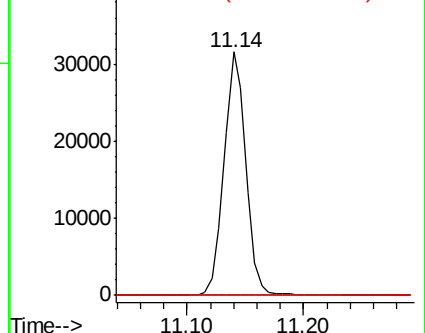
89 0.0 39.8 59.8#



Abundance Ion 74.90 (74.60 to 75.60): VX005825.D (-1622) (-)

Ion 53.00 (52.70 to 53.70): VX005825.D (-1622) (-)

Ion 88.90 (88.60 to 89.60): VX005825.D (-1622) (-)



#95

Naphthalene

Concen: 1.263 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006021.D

Acq: 15 Nov 2018 15:47

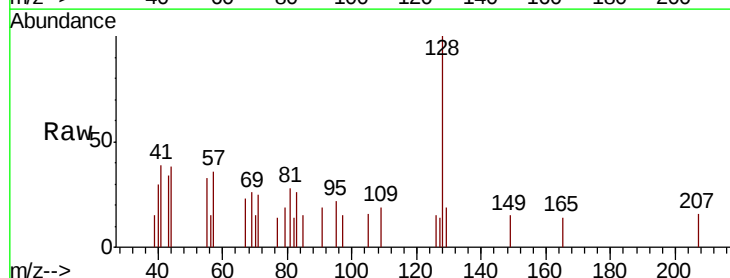
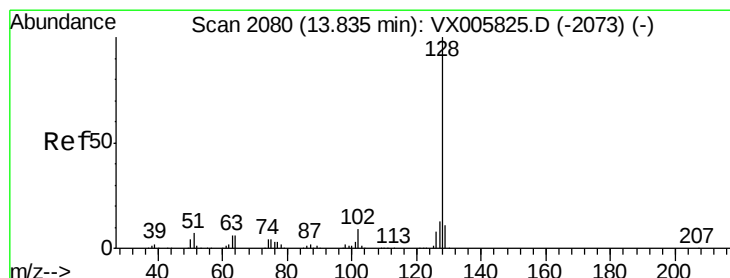
Tgt Ion: 128 Resp: 753

Ion Ratio Lower Upper

128 100

127 8.6 10.4 15.6#

129 14.5 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VX005825.D (-2073) (-)

Ion 127.00 (126.70 to 127.70): VX005825.D (-2073) (-)

Ion 129.00 (128.70 to 129.70): VX005825.D (-2073) (-)

