

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111518\
 Data File : VX006020.D
 Acq On : 15 Nov 2018 15:20
 Operator : JC/MD
 Sample : J5911-01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-09(10-12)ME

Quant Time: Nov 16 00:14:52 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	5.65	168	142397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	203375	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	172163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	92573	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	79822	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
35) Dibromofluoromethane	5.51	113	61194	44.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.48%	
50) Toluene-d8	8.71	98	245637	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
62) 4-Bromofluorobenzene	11.14	95	95978	58.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.10%	

Target Compounds

					Qvalue	
5) Bromomethane	1.64	94	718	0.694	ug/l	94
10) Methyl Iodide	2.48	142	638	0.408	ug/l #	89
11) Tert butyl alcohol	3.03	59	1023	2.181	ug/l #	72
13) Acrolein	2.31	56	109	19.614	ug/l #	77
15) Acrylonitrile	3.12	53	262	0.270	ug/l #	23
16) Acetone	2.49	43	1102	1.250	ug/l	92
18) Methyl Acetate	2.84	43	13511	4.366	ug/l #	55
20) Methylene Chloride	2.84	84	964	0.666	ug/l #	79
29) Tetrahydrofuran	5.20	42	983	1.105	ug/l #	1
30) Chloroform	5.22	83	3464	1.367	ug/l	96
31) Cyclohexane	5.57	56	28717	12.592	ug/l #	75
36) 1,1-Dichloropropene	5.65	75	9630	4.912	ug/l #	49
38) Carbon Tetrachloride	5.66	117	12331	6.282	ug/l #	15
39) Methylcyclohexane	7.45	83	227991	114.735	ug/l	96
43) Isopropyl Acetate	6.27	43	9919	2.655	ug/l #	63
45) 1,2-Dichloropropane	7.45	63	2145	1.546	ug/l #	1
48) Methyl methacrylate	7.73	41	15915	9.487	ug/l #	48
51) 4-Methyl-2-Pentanone	8.66	43	33464	14.213	ug/l #	46
55) 1,1,2-Trichloroethane	9.16	97	99870	70.151	ug/l #	18
56) Ethyl methacrylate	9.16	69	24143	11.334	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.34	63	503	8.697	ug/l #	48
59) 2-Hexanone	9.44	43	219600	105.812	ug/l #	31
60) Dibromochloromethane	9.55	129	331	0.215	ug/l #	1
61) 1,2-Dibromoethane	9.66	107	520	0.330	ug/l #	1
67) Ethyl Benzene	10.26	91	3960	0.716	ug/l	99
68) m/p-Xylenes	10.37	106	3198	1.516	ug/l #	1
69) o-Xylene	10.70	106	832	0.440	ug/l	99
73) Isopropylbenzene	11.02	105	72005	13.450	ug/l	99
74) N-amyl acetate	10.91	43	126978	42.466	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	62503	31.809	ug/l #	26
76) 1,2,3-Trichloropropane	11.36	75	1329	0.705	ug/l #	1
78) n-propylbenzene	11.37	91	163801	25.963	ug/l	97
79) 2-Chlorotoluene	11.46	91	6280	1.647	ug/l	75
80) 1,3,5-Trimethylbenzene	11.51	105	21223	4.665	ug/l	100

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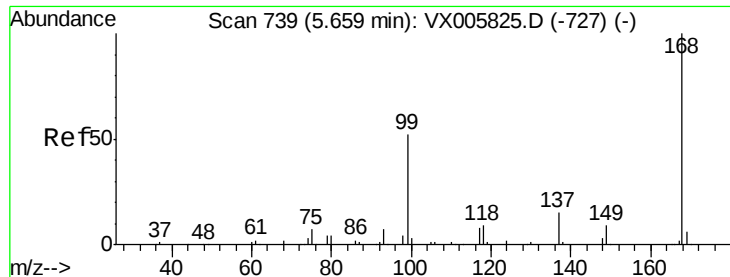
Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-09(10-12)ME

Quant Time: Nov 16 00:14:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

81) trans-1,4-Dichloro-2-buten	11.14	75	41581	70.306	uq/l #	28
82) 4-Chlorotoluene	11.46	91	6280	1.397	uq/l	81
83) tert-Butylbenzene	11.77	119	7422	1.613	uq/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	51873	10.237	uq/l	96
85) sec-Butylbenzene	11.95	105	68646	12.197	uq/l	93
86) p-Isopropyltoluene	12.07	119	94907	19.038	uq/l	93
89) n-Butylbenzene	12.39	91	136658	29.578	uq/l #	72
90) Hexachloroethane	12.59	117	11638	13.983	uq/l #	2
91) 1,2-Dichlorobenzene	12.40	146	601	0.207	uq/l #	1
92) 1,2-Dibromo-3-Chloropropan	12.98	75	2047	4.269	uq/l #	17
93) 1,2,4-Trichlorobenzene	13.65	180	511	0.250	uq/l #	1
94) Hexachlorobutadiene	13.79	225	335	0.312	uq/l	95
95) Naphthalene	13.83	128	31585	5.808	uq/l #	84
96) 1,2,3-Trichlorobenzene	14.04	180	1511	0.726	uq/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

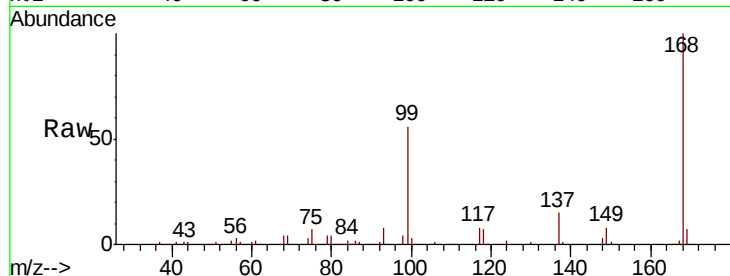
Instrument :
MSVOA_X
ClientSampleId :
FDSB-09(10-12)ME

Tot Ion:168 Resp: 142397

Ion Ratio Lower Upper

168 100

99 55.6 40.7 61.1

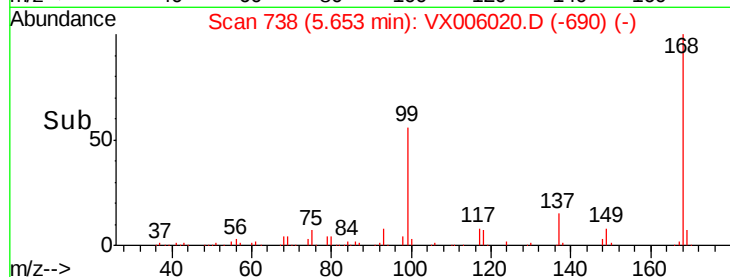


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

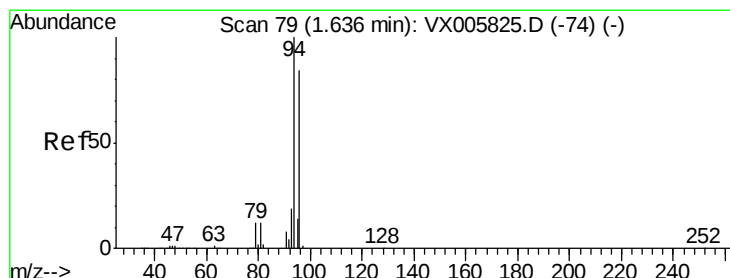
5.65

Time-->



5.65

Time-->



#5

Bromomethane

Concen: 0.694 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006020.D

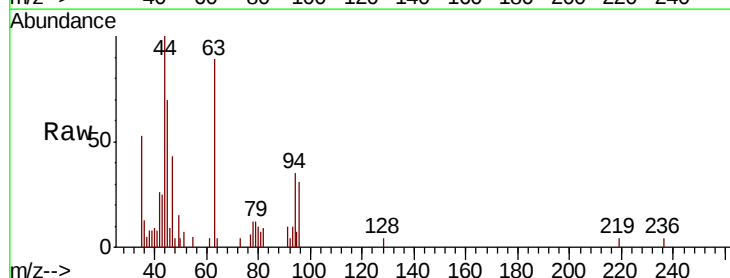
Acq: 15 Nov 2018 15:20

Tgt Ion: 94 Resp: 718

Ion Ratio Lower Upper

94 100

96 87.8 75.2 112.8

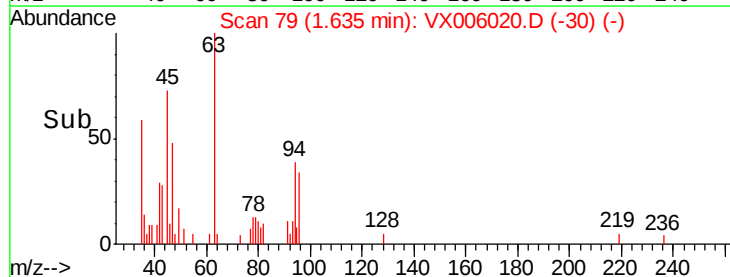


Abundance Ion 93.90 (93.60 to 94.60): VX0

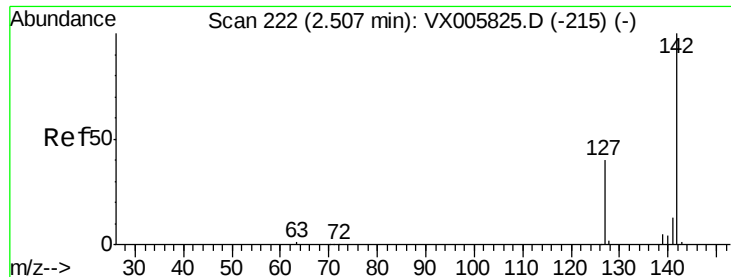
Ion 95.90 (95.60 to 96.60): VX0

1.64

Time-->



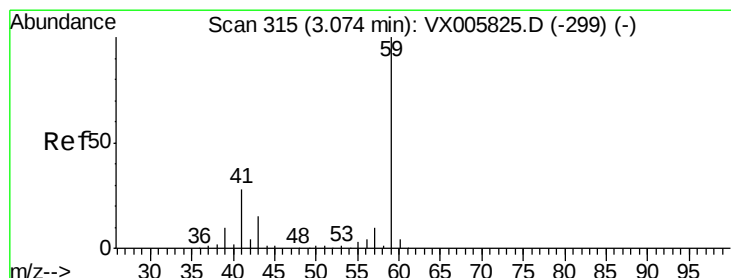
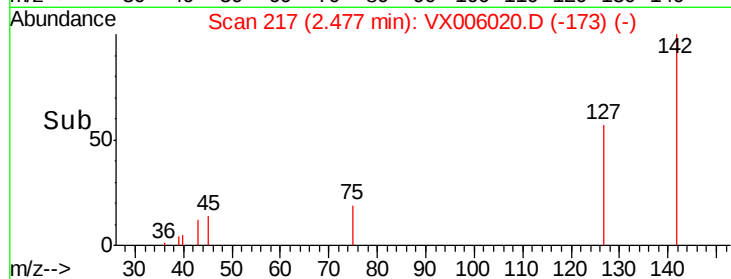
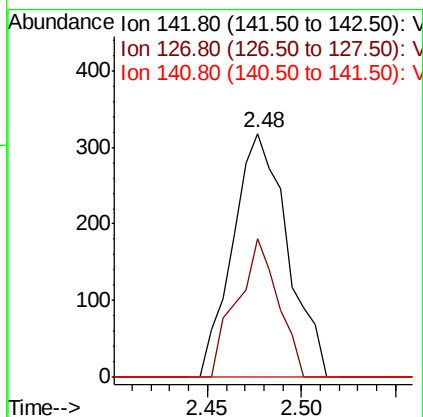
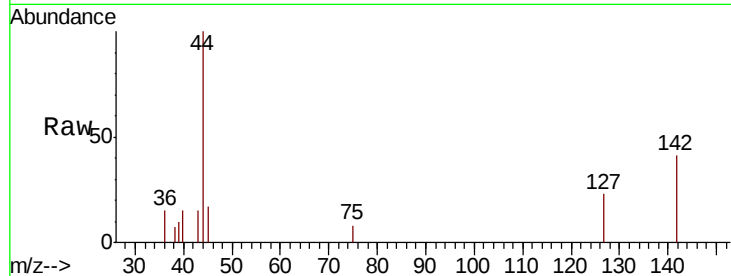
Time-->



#10
Methvl Iodide
Concen: 0.408 ug/l
RT: 2.48 min Scan# 217
Delta R.T. -0.03 min
Lab File: VX006020.D
Acq: 15 Nov 2018 15:20

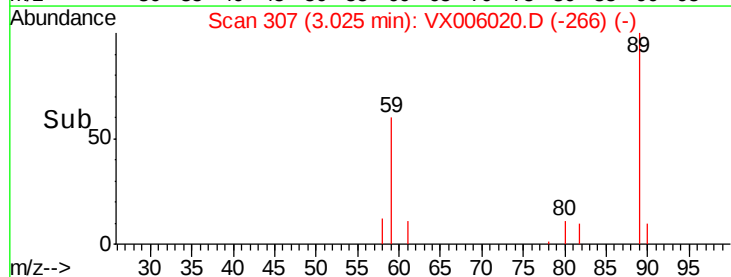
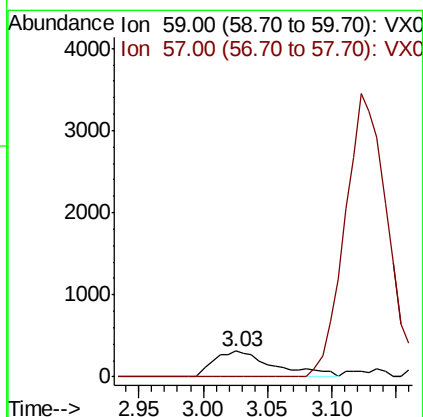
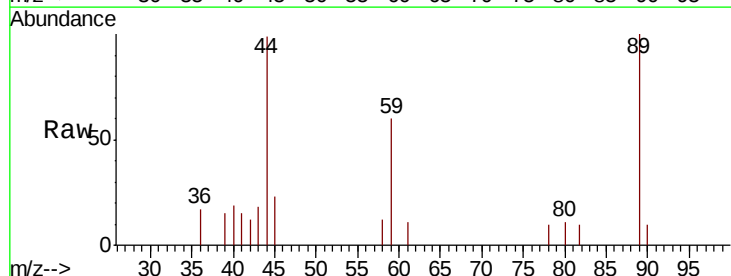
Instrument :
MSVOA_X
ClientSampleId :
FDSB-09(10-12)ME

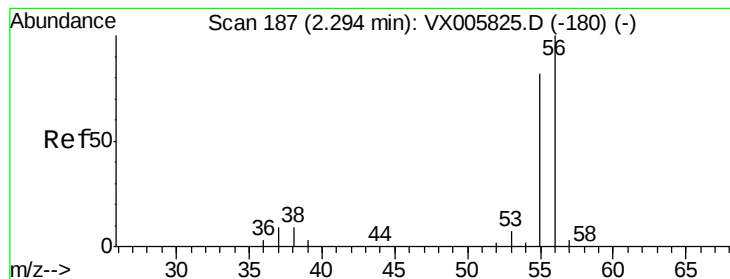
Tot Ion:142 Resp: 638
Ion Ratio Lower Upper
142 100
127 42.9 36.0 54.0
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 2.181 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX006020.D
Acq: 15 Nov 2018 15:20

Tgt Ion: 59 Resp: 1023
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 19.614 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

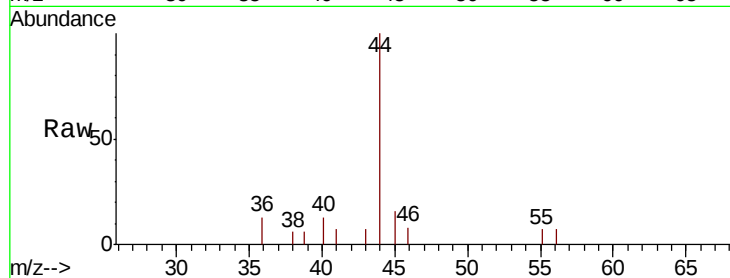
FDSB-09(10-12)ME

Tot Ion: 56 Resp: 109

Ion Ratio Lower Upper

56 100

55 90.8 57.3 85.9#

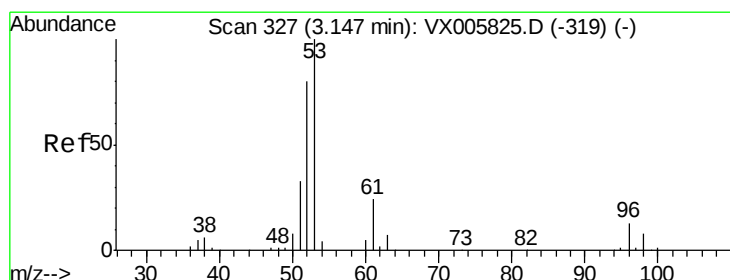
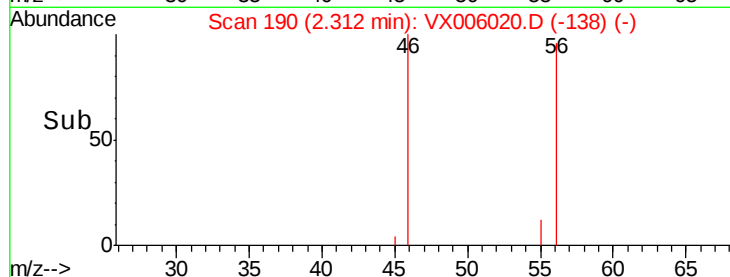


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.31

Time-->



#15

Acrylonitrile

Concen: 0.270 ug/l

RT: 3.12 min Scan# 322

Delta R.T. -0.03 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

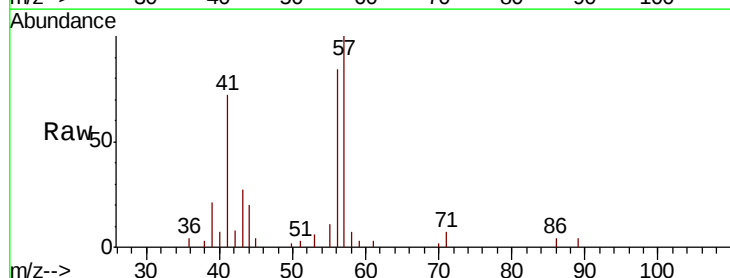
Tgt Ion: 53 Resp: 262

Ion Ratio Lower Upper

53 100

52 8.4 66.6 99.8#

51 73.3 28.4 42.6#



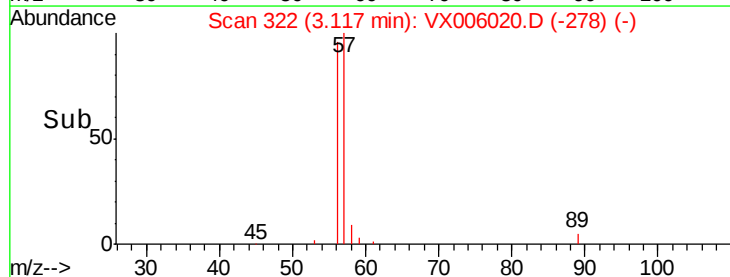
Abundance Ion 53.00 (52.70 to 53.70): VX0

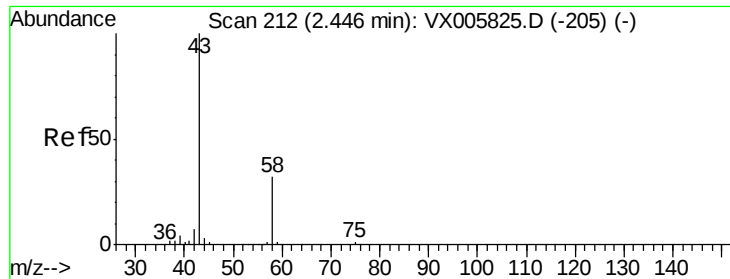
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

3.12

Time-->





#16

Acetone

Concen: 1.250 ug/l

RT: 2.49 min Scan# 220

Delta R.T. 0.05 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

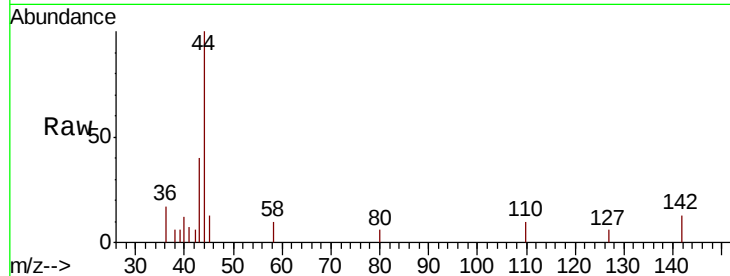
FDSB-09(10-12)ME

Tot Ion: 43 Resp: 1102

Ion Ratio Lower Upper

43 100

58 25.3 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.49

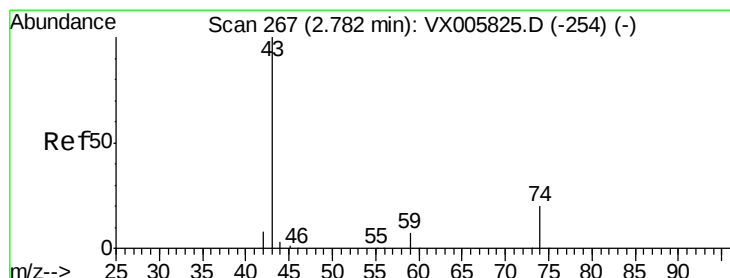
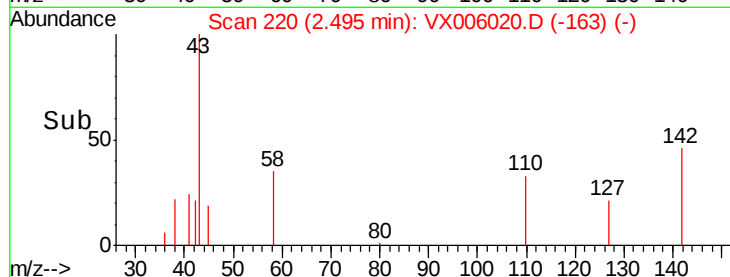
300

200

100

0

Time--> 2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 4.366 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.06 min

Lab File: VX006020.D

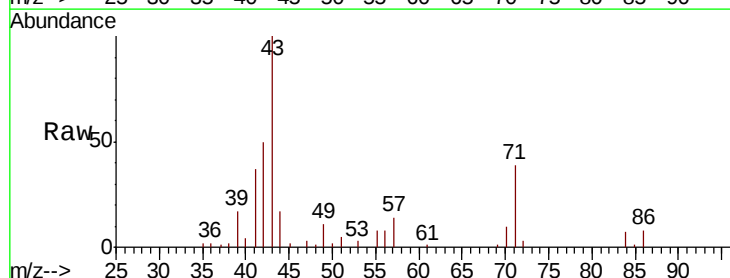
Acq: 15 Nov 2018 15:20

Tgt Ion: 43 Resp: 13511

Ion Ratio Lower Upper

43 100

74 0.0 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

6000

5000

4000

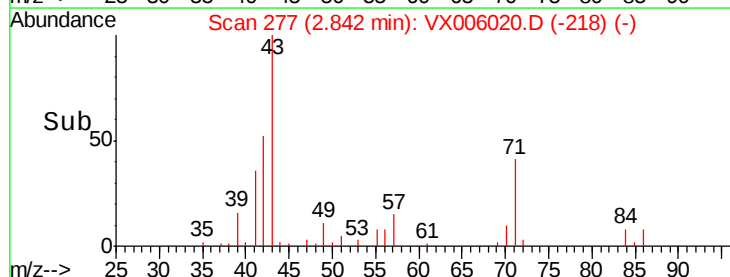
3000

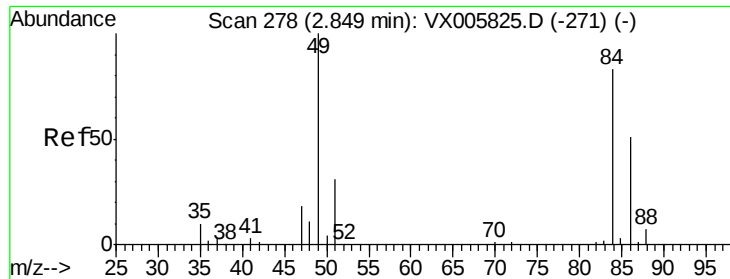
2000

1000

0

Time--> 2.70 2.80 2.90 3.00

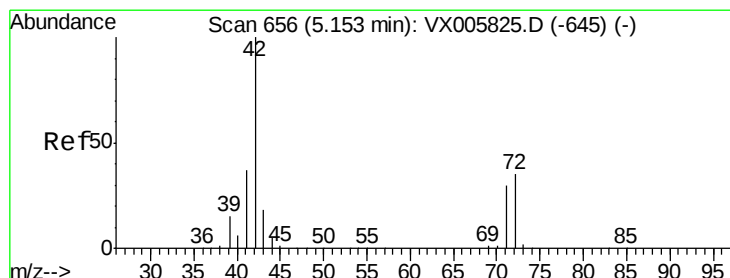
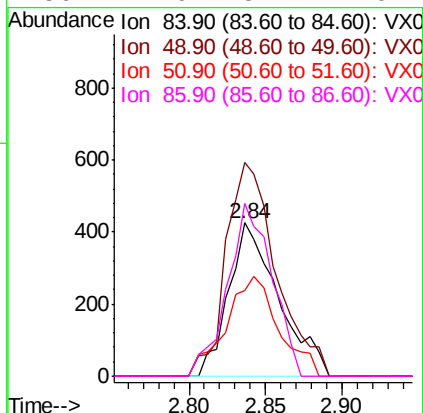
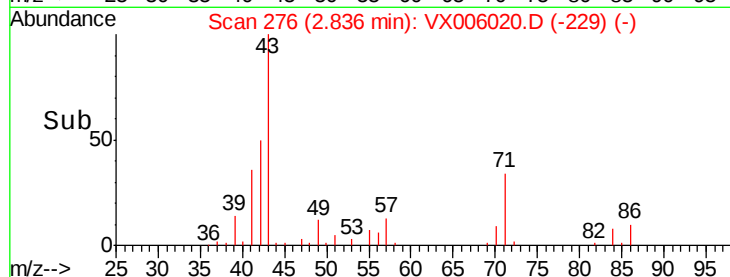
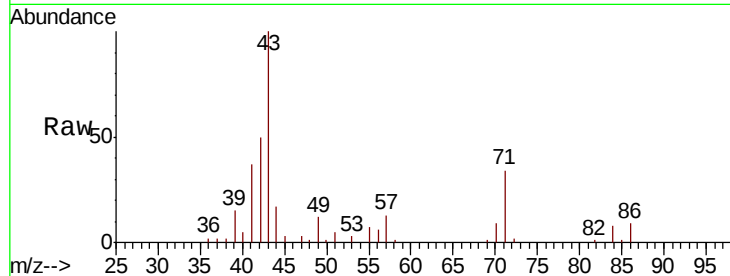




#20
Methylene Chloride
Concen: 0.666 ug/l
RT: 2.84 min Scan# 276
Delta R.T. -0.01 min
Lab File: VX006020.D
Acq: 15 Nov 2018 15:20

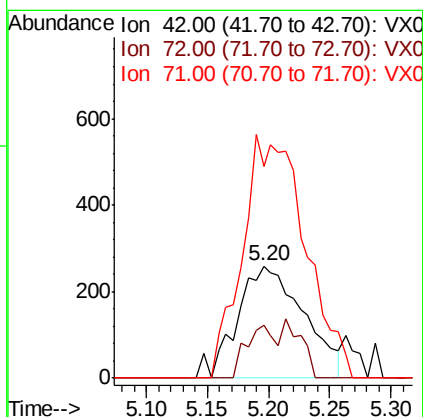
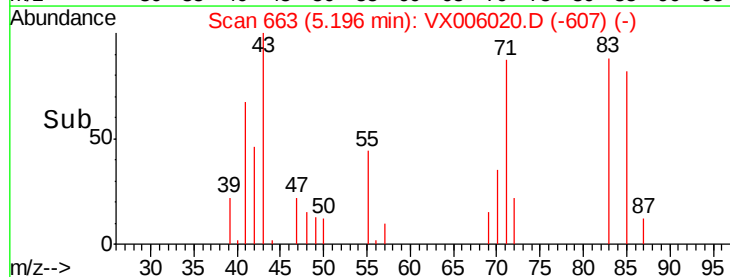
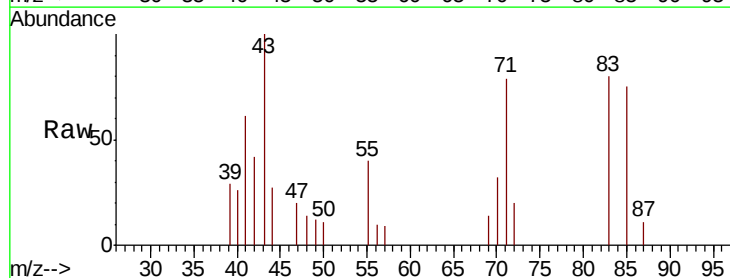
Instrument :
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FDSB-09(10-12)ME

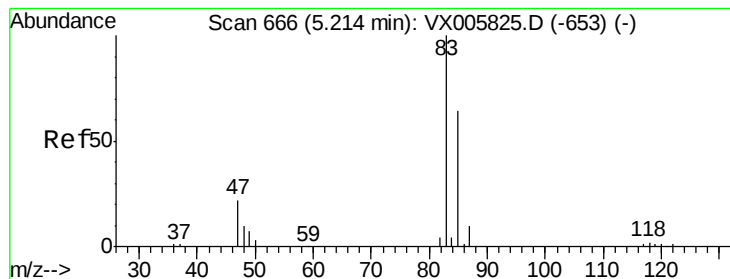
Tot Ion:	84	Resp:	964
Ion	Ratio	Lower	Upper
84	100		
49	139.2	109.5	164.3
51	55.6	33.3	49.9#
86	112.9	52.7	79.1#



#29
Tetrahydrofuran
Concen: 1.105 ug/l
RT: 5.20 min Scan# 663
Delta R.T. 0.04 min
Lab File: VX006020.D
Acq: 15 Nov 2018 15:20

Tgt Ion:	42	Resp:	983
Ion	Ratio	Lower	Upper
42	100		
72	20.8	32.0	48.0#
71	203.0	29.8	44.8#





#30

Chloroform

Concen: 1.367 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

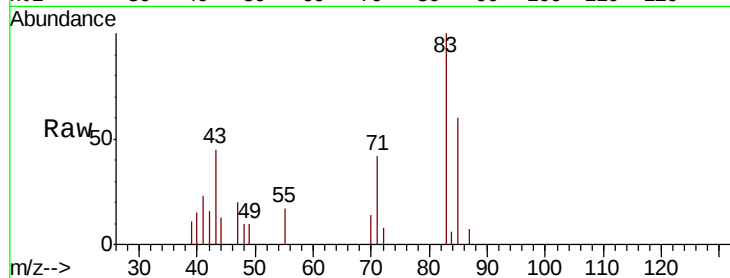
FDSB-09(10-12)ME

Tot Ion: 83 Resp: 3464

Ion Ratio Lower Upper

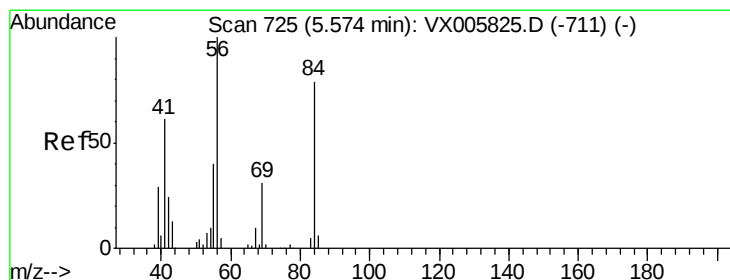
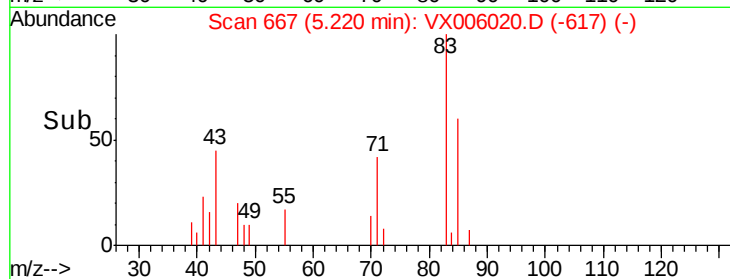
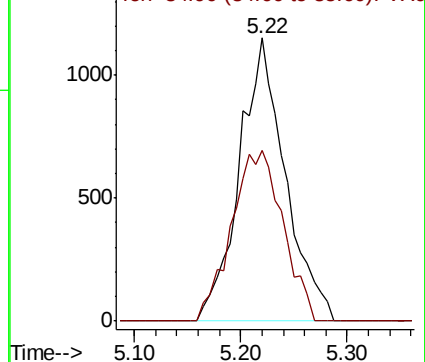
83 100

85 60.4 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#31

Cyclohexane

Concen: 12.592 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

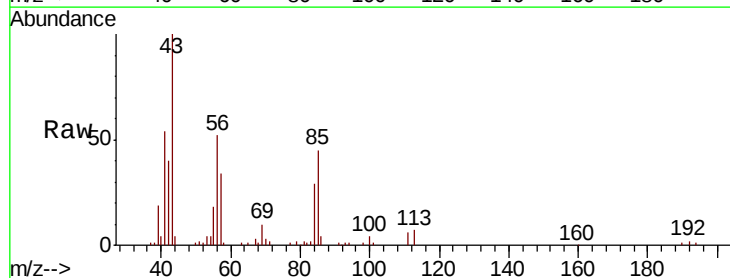
Tgt Ion: 56 Resp: 28717

Ion Ratio Lower Upper

56 100

69 18.0 22.6 34.0#

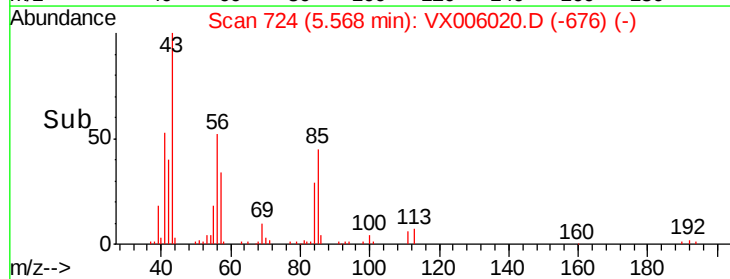
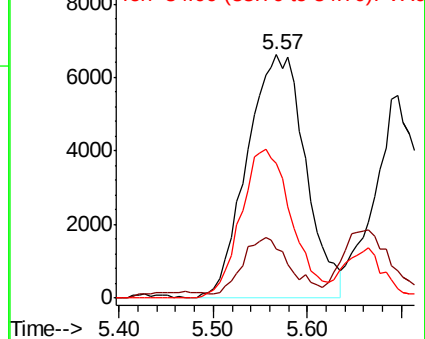
84 55.2 62.7 94.1#

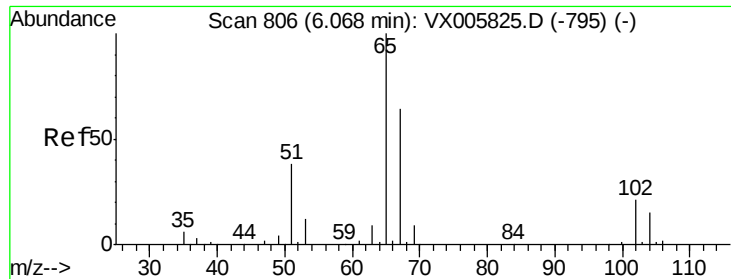


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

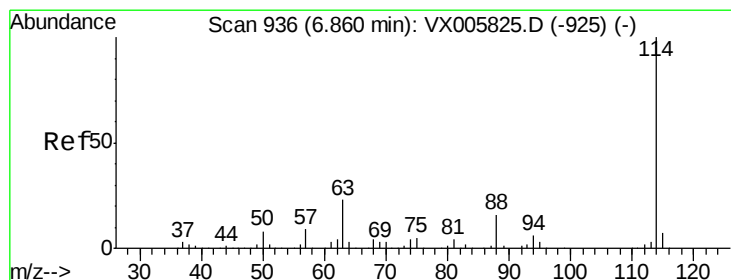
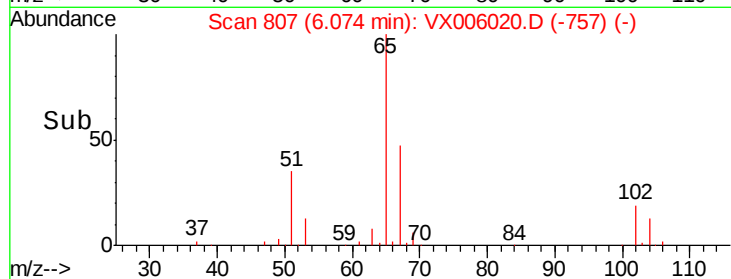
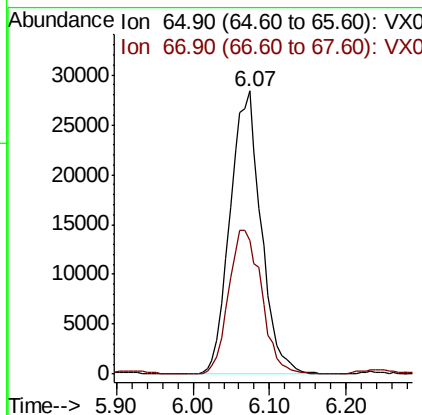
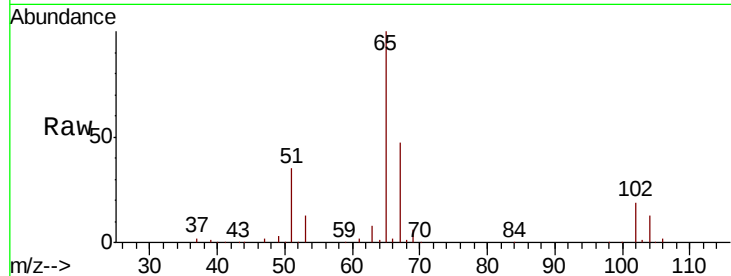




#33
 1,2-Dichloroethane-d4
 Concen: 48.760 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX006020.D
 Acq: 15 Nov 2018 15:20

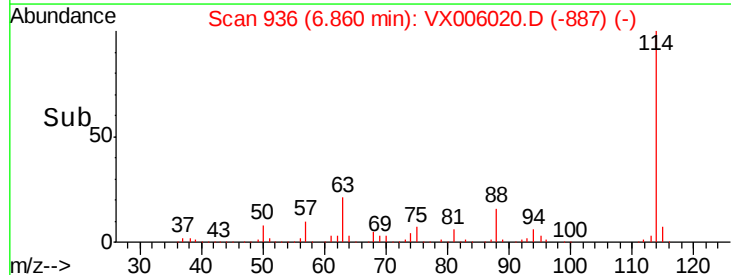
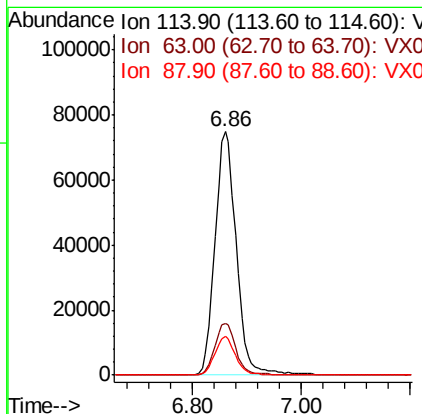
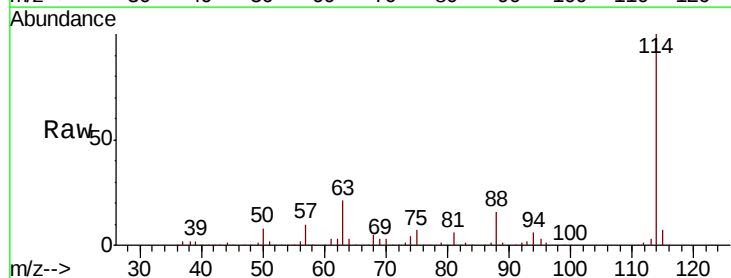
Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-09(10-12)ME

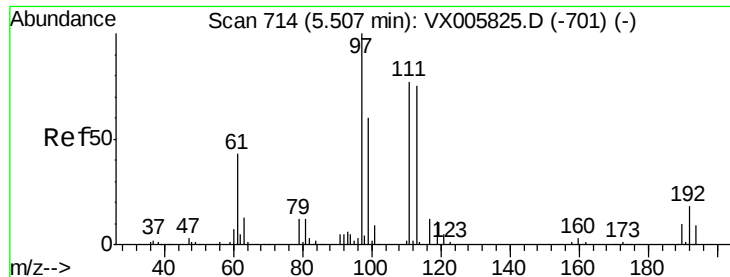
Tot Ion: 65 Resp: 79822
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006020.D
 Acq: 15 Nov 2018 15:20

Tgt Ion: 114 Resp: 203375
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.8
 88 15.9 0.0 31.2

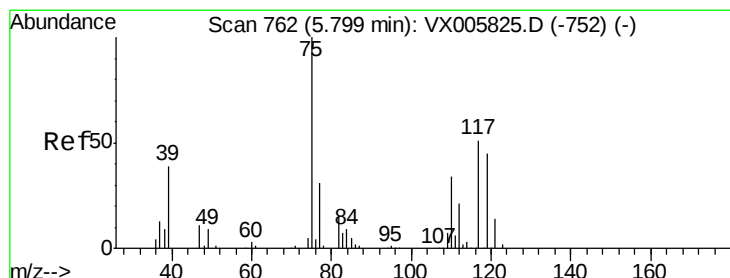
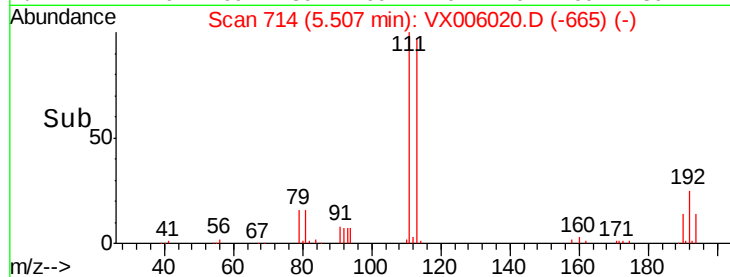
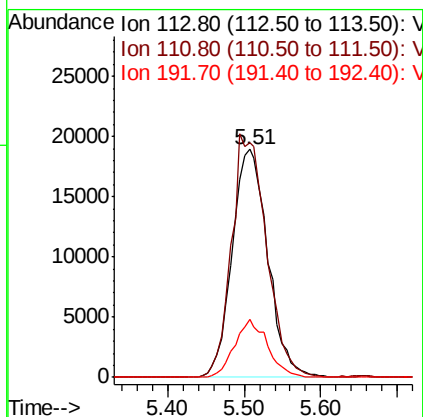
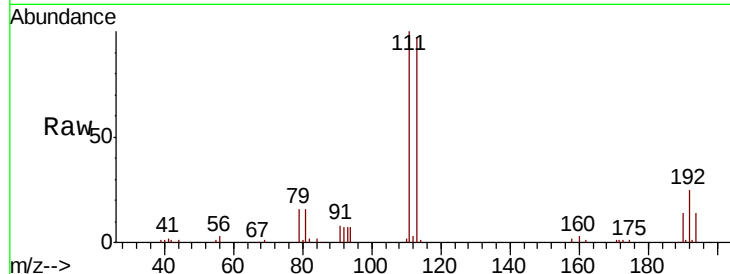




#35
 Dibromofluoromethane
 Concen: 44.239 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VX006020.D
 Acq: 15 Nov 2018 15:20

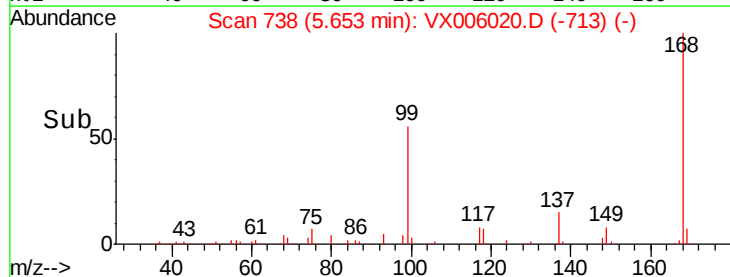
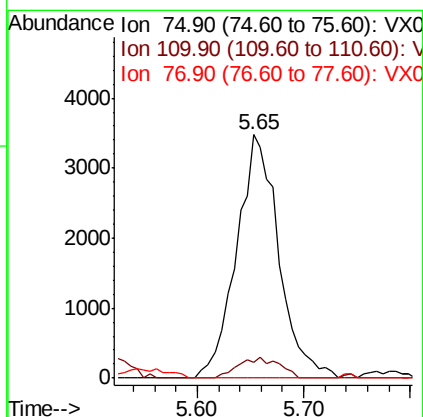
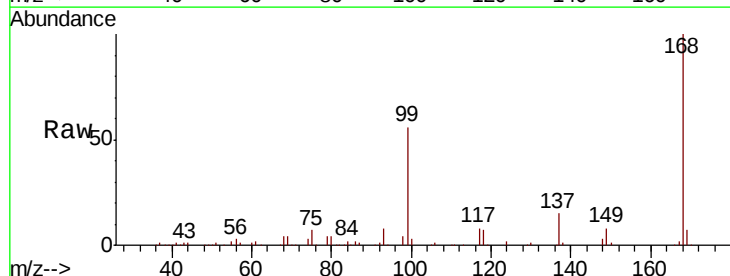
Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-09(10-12)ME

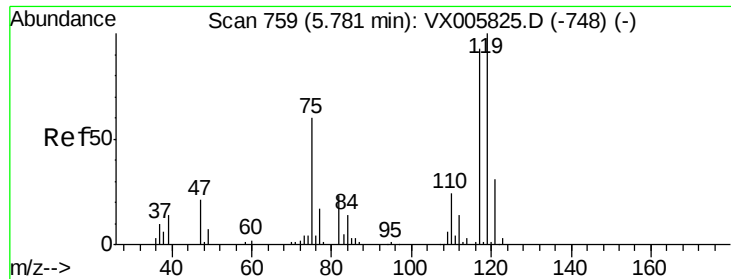
Tot Ion:113 Resp: 61194
 Ion Ratio Lower Upper
 113 100
 111 104.9 82.3 123.5
 192 23.4 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.912 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX006020.D
 Acq: 15 Nov 2018 15:20

Tgt Ion: 75 Resp: 9630
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.4 52.2#
 77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.282 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

FDSB-09(10-12)ME

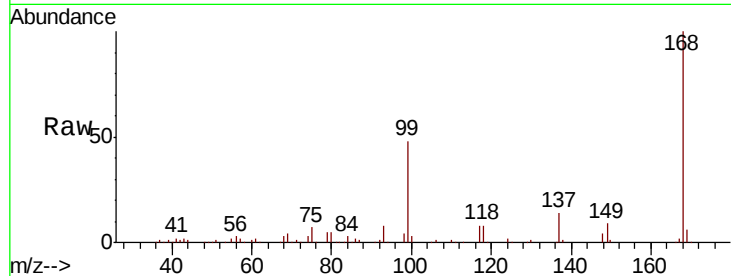
Tot Ion:117 Resp: 12331

Ion Ratio Lower Upper

117 100

119 5.1 78.1 117.1#

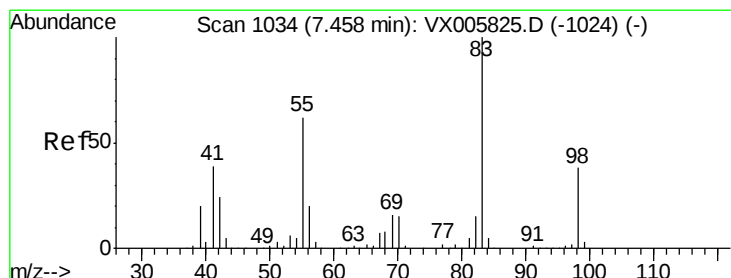
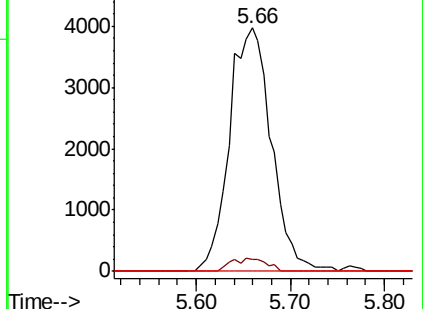
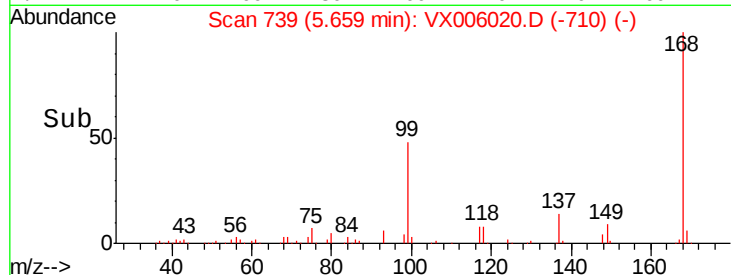
121 0.0 24.6 36.8#



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



#39

Methylcyclohexane

Concen: 114.735 ug/l

RT: 7.45 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

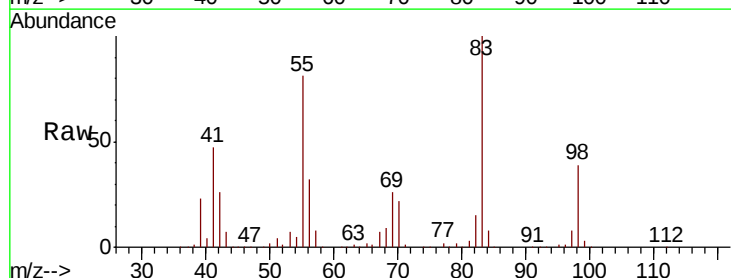
Tgt Ion: 83 Resp: 227991

Ion Ratio Lower Upper

83 100

55 80.6 63.7 95.5

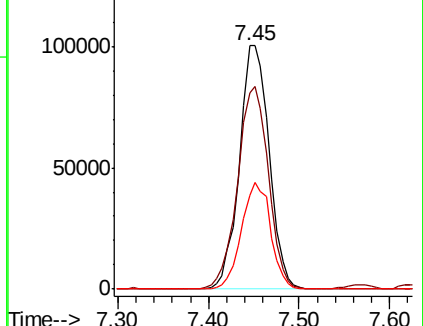
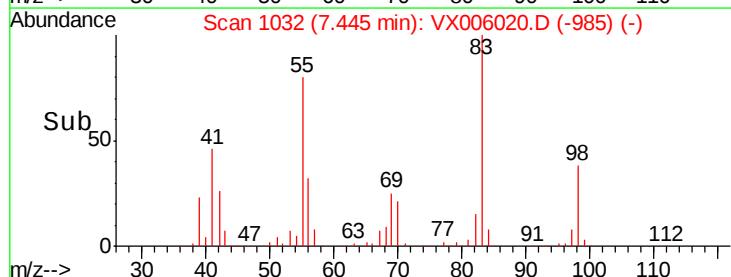
98 38.6 36.2 54.2

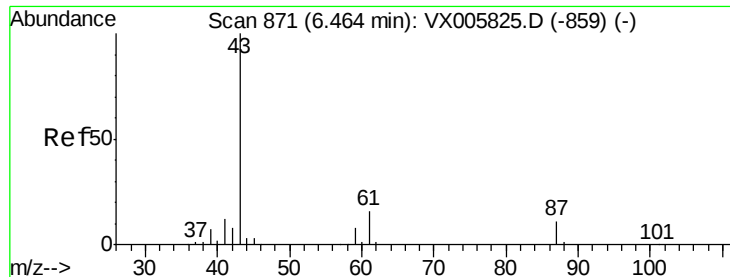


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#43

Isopropyl Acetate

Concen: 2.655 ug/l

RT: 6.27 min Scan# 839

Delta R.T. -0.20 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

FDSB-09(10-12)ME

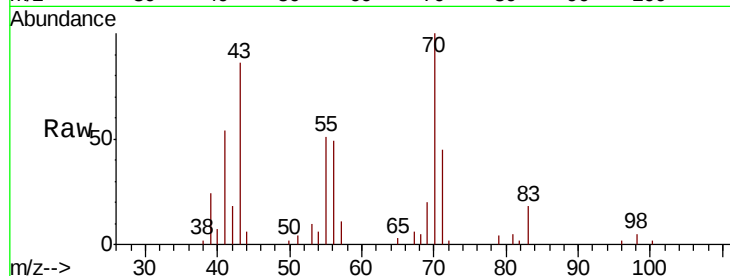
Tot Ion: 43 Resp: 9919

Ion Ratio Lower Upper

43 100

61 0.0 14.6 22.0#

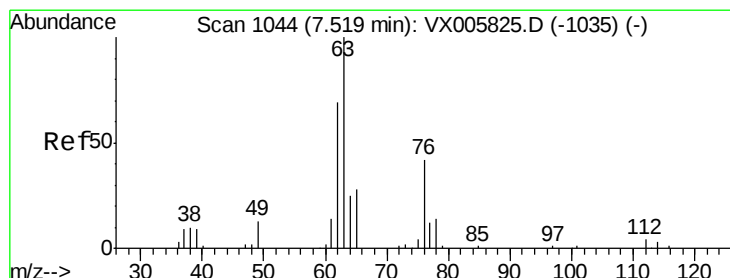
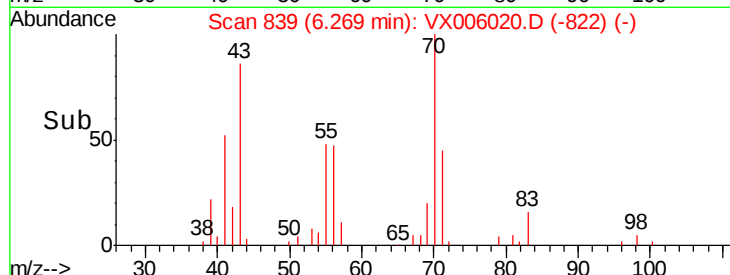
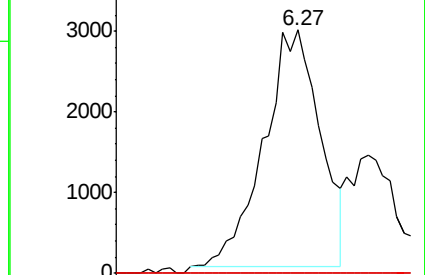
87 0.0 9.6 14.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#45

1,2-Dichloropropane

Concen: 1.546 ug/l

RT: 7.45 min Scan# 1032

Delta R.T. -0.07 min

Lab File: VX006020.D

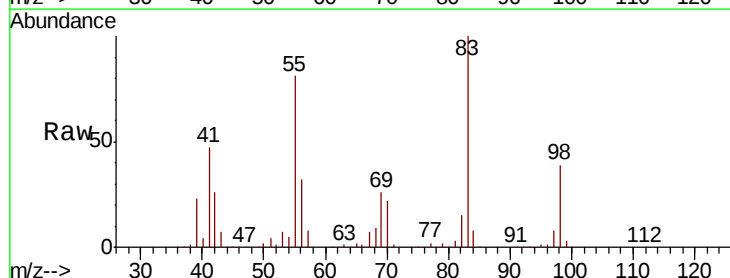
Acq: 15 Nov 2018 15:20

Tgt Ion: 63 Resp: 2145

Ion Ratio Lower Upper

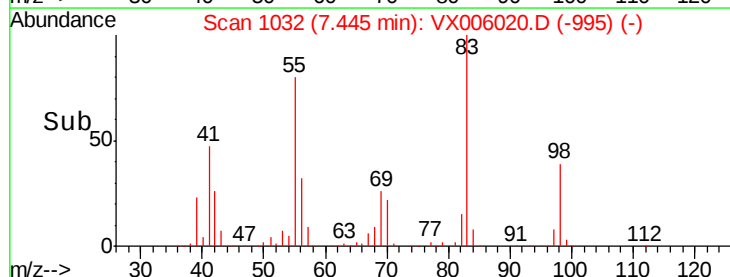
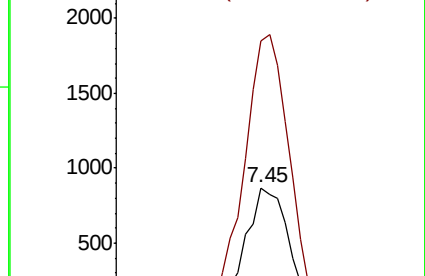
63 100

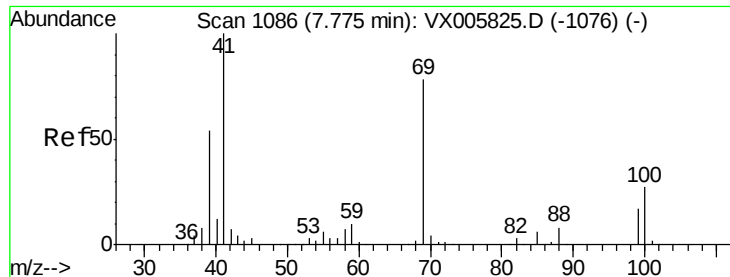
65 212.6 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#48

Methyl methacrylate

Concen: 9.487 ug/l

RT: 7.73 min Scan# 1078

Delta R.T. -0.05 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

Instrument :
MSVOA_X
ClientSampleId :
FDSB-09(10-12)ME

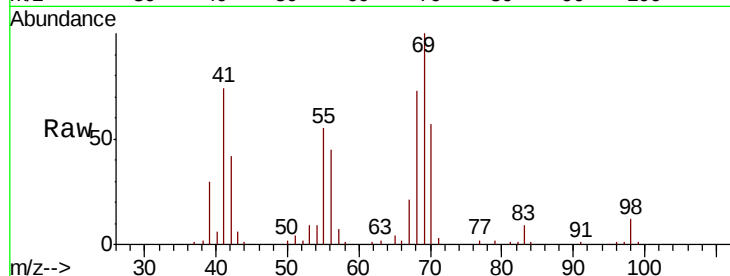
Tot Ion: 41 Resp: 15915

Ion Ratio Lower Upper

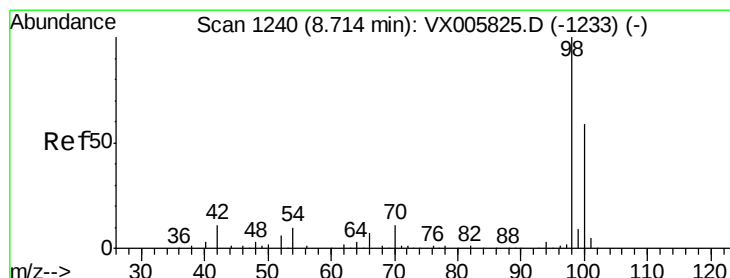
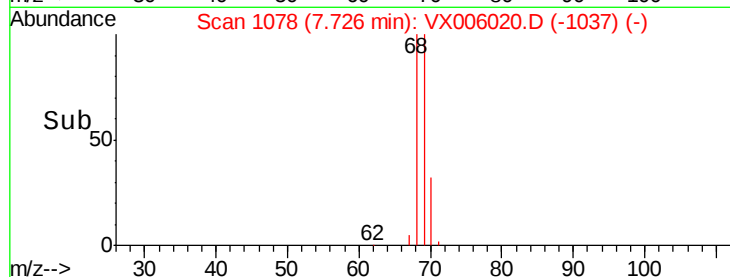
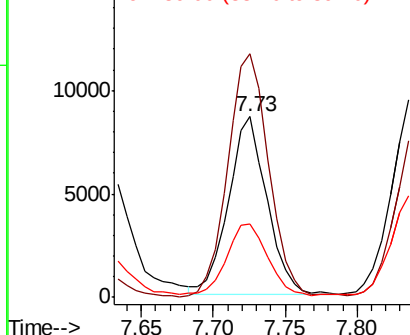
41 100

69 145.8 63.2 94.8#

39 42.1 42.2 63.2#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#50

Toluene-d8

Concen: 53.414 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006020.D

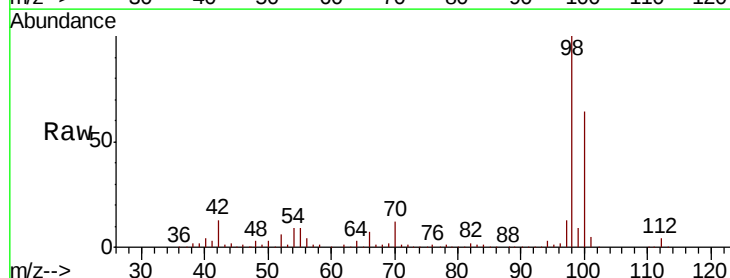
Acq: 15 Nov 2018 15:20

Tgt Ion: 98 Resp: 245637

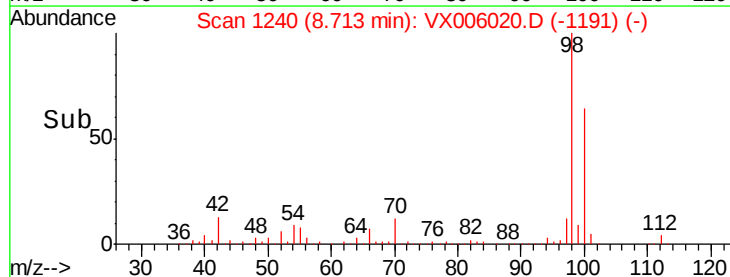
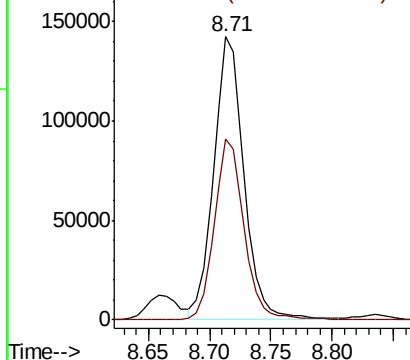
Ion Ratio Lower Upper

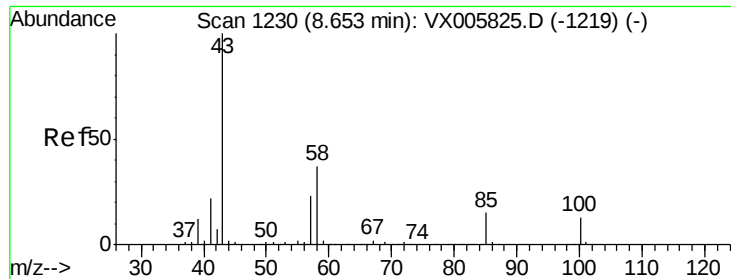
98 100

100 63.0 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: 14.213 ug/l

RT: 8.66 min Scan# 1231

Delta R.T. 0.01 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

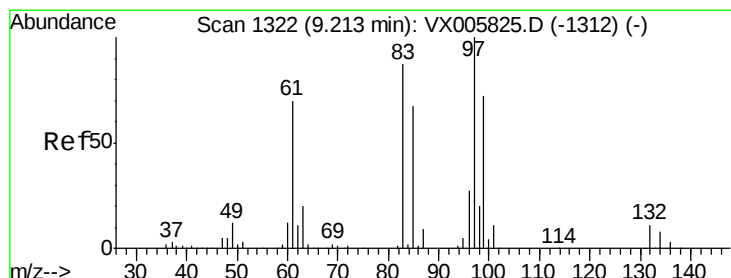
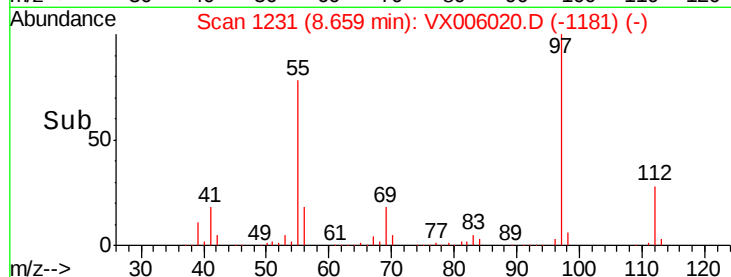
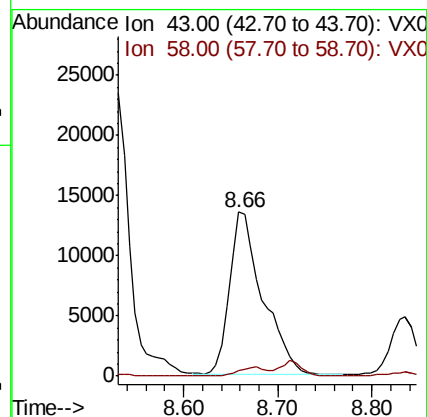
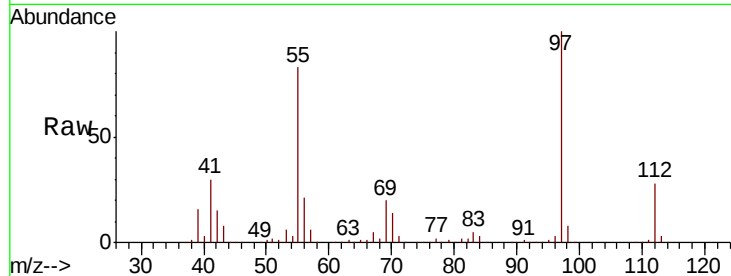
Instrument :
MSVOA_X
ClientSampleId :
FDSB-09(10-12)ME

Tot Ion: 43 Resp: 33464

Ion Ratio Lower Upper

43 100

58 5.2 29.7 44.5#



#55

1,1,2-Trichloroethane

Concen: 70.151 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

Tgt Ion: 97 Resp: 99870

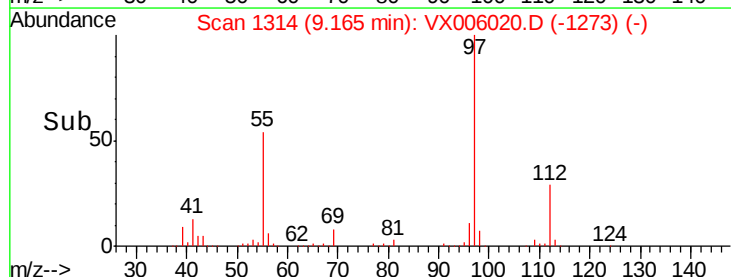
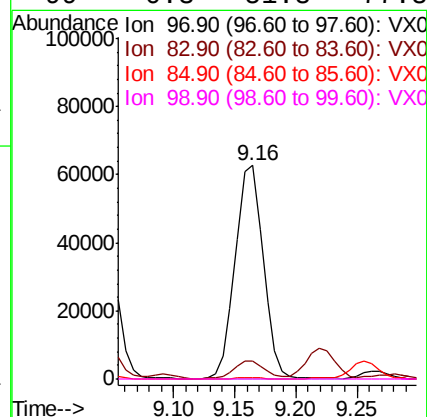
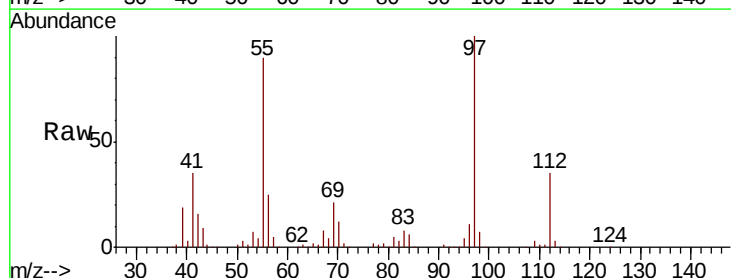
Ion Ratio Lower Upper

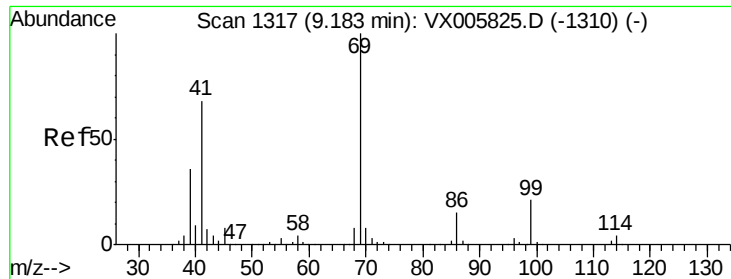
97 100

83 8.2 70.7 106.1#

85 0.4 45.8 68.6#

99 0.3 51.8 77.8#





#56

Ethyl methacrylate

Concen: 11.334 ug/l

RT: 9.16 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

FDSB-09(10-12)ME

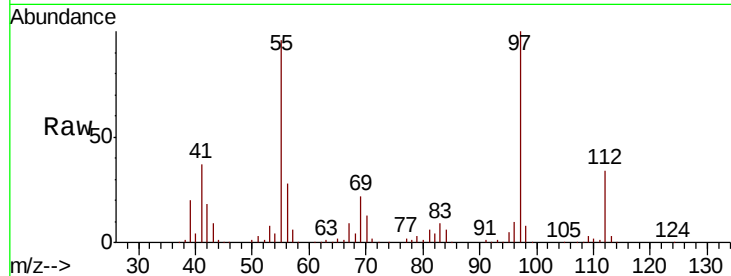
Tot Ion: 69 Resp: 24143

Ion Ratio Lower Upper

69 100

41 167.2 57.0 85.6#

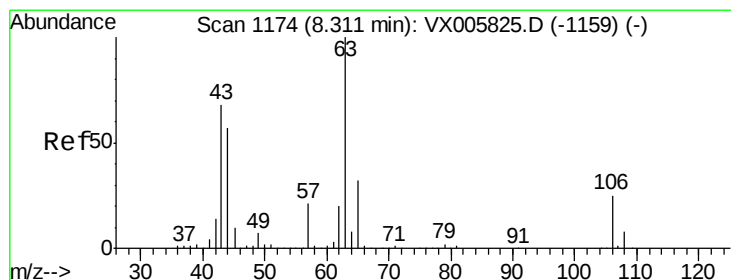
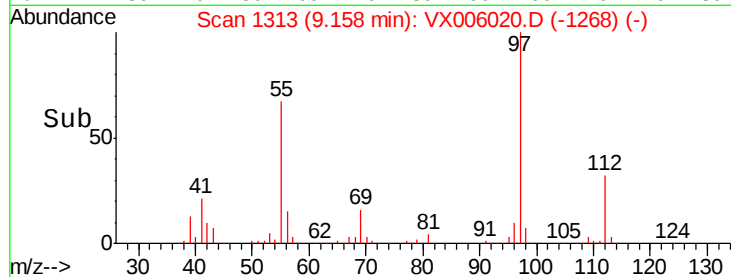
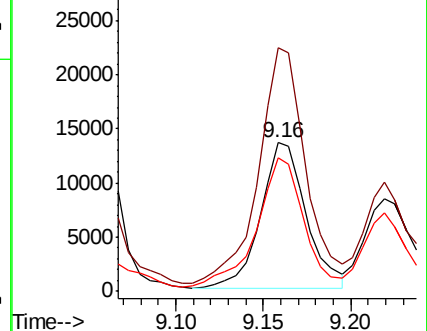
39 91.7 28.3 42.5#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 8.697 ug/l

RT: 8.34 min Scan# 1178

Delta R.T. 0.02 min

Lab File: VX006020.D

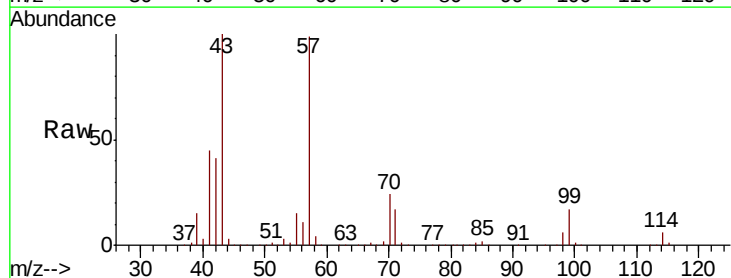
Acq: 15 Nov 2018 15:20

Tgt Ion: 63 Resp: 503

Ion Ratio Lower Upper

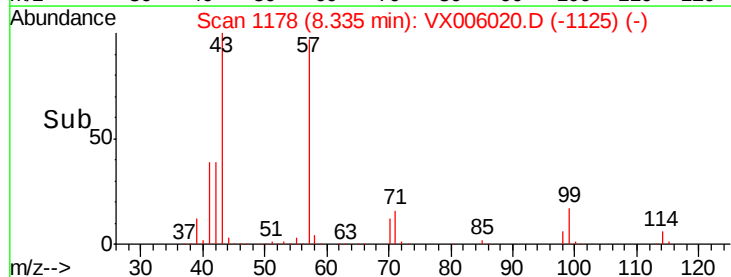
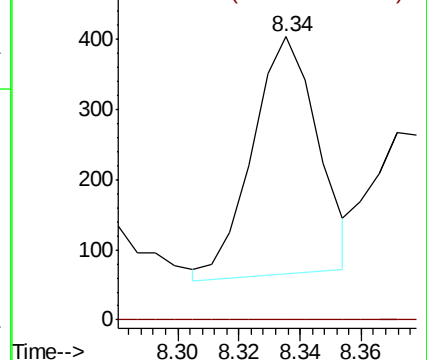
63 100

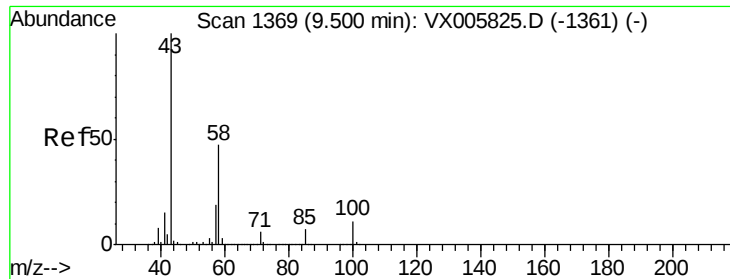
106 0.0 21.3 31.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

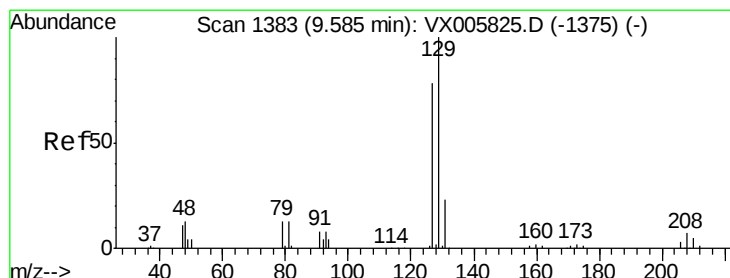
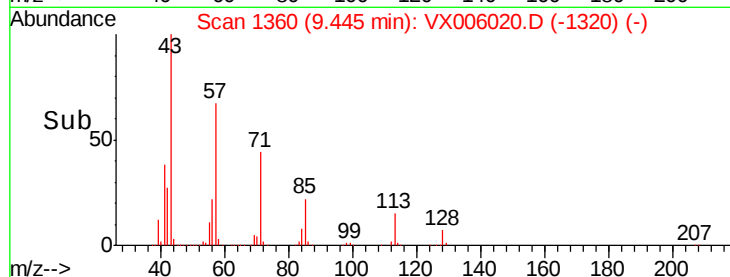
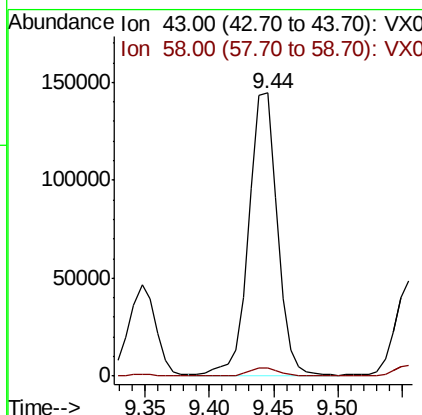
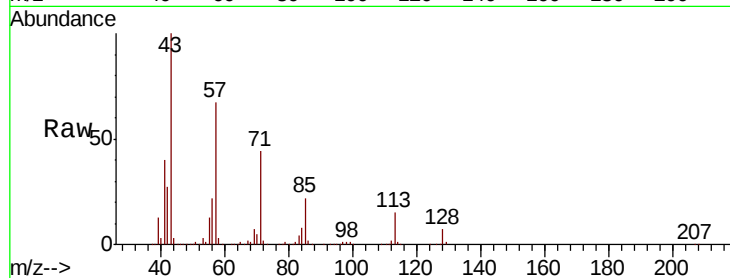




#59
2-Hexanone
Concen: 105.812 ug/l
RT: 9.44 min Scan# 1360
Delta R.T. -0.06 min
Lab File: VX006020.D
Acq: 15 Nov 2018 15:20

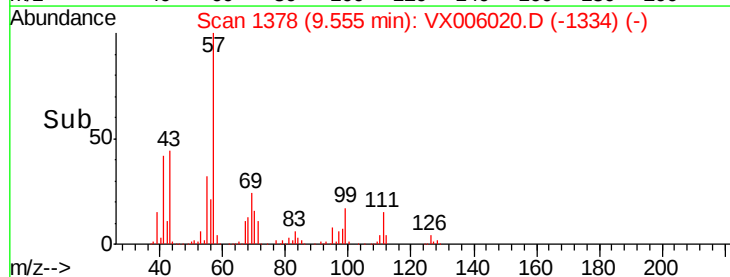
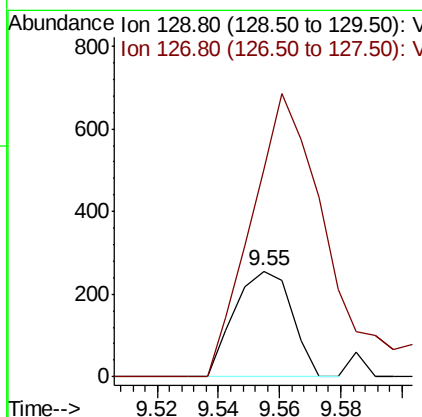
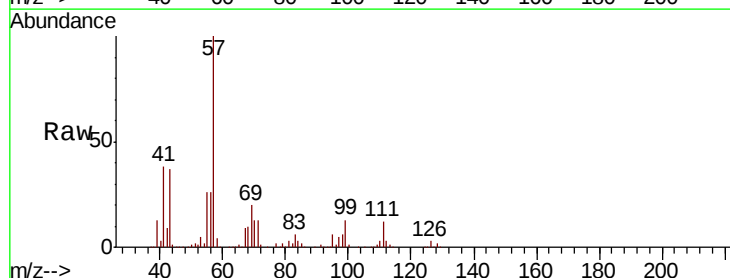
Instrument :
MSVOA_X
ClientSampleId :
FDSB-09(10-12)ME

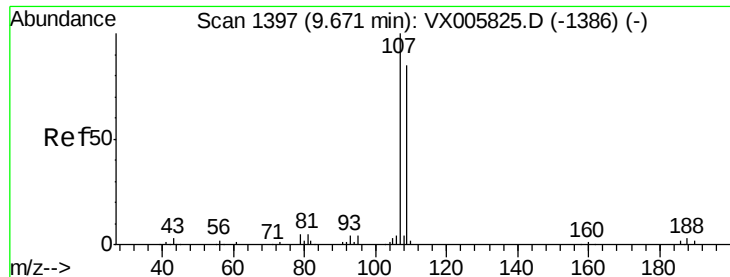
Tot Ion: 43 Resp: 219600
Ion Ratio Lower Upper
43 100
58 3.2 25.9 77.8#



#60
Dibromochloromethane
Concen: 0.215 ug/l
RT: 9.55 min Scan# 1378
Delta R.T. -0.03 min
Lab File: VX006020.D
Acq: 15 Nov 2018 15:20

Tgt Ion:129 Resp: 331
Ion Ratio Lower Upper
129 100
127 356.2 38.9 116.7#





#61

1,2-Dibromoethane

Concen: 0.330 ug/l

RT: 9.66 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

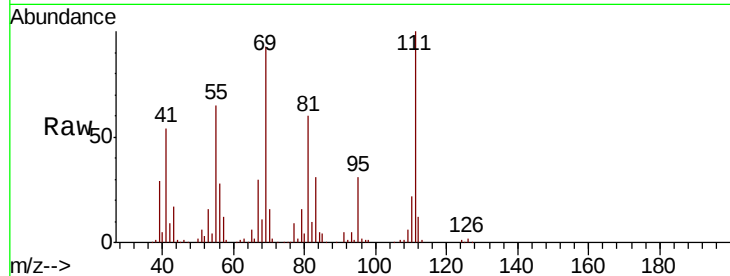
FDSB-09(10-12)ME

Tot Ion:107 Resp: 520

Ion Ratio Lower Upper

107 100

109 928.7 75.7 113.5#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

5000

4000

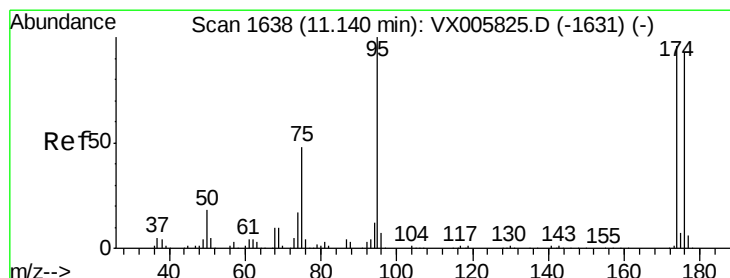
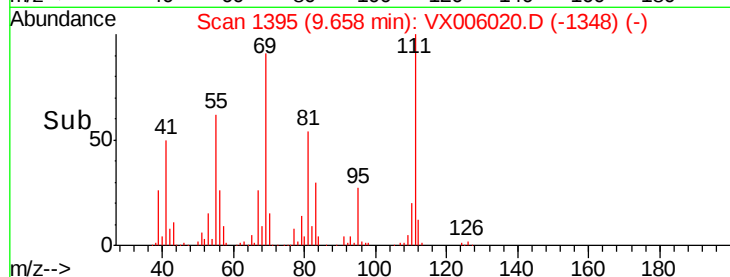
3000

2000

1000

0

Time--> 9.60 9.65 9.70



#62

4-Bromofluorobenzene

Concen: 58.048 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

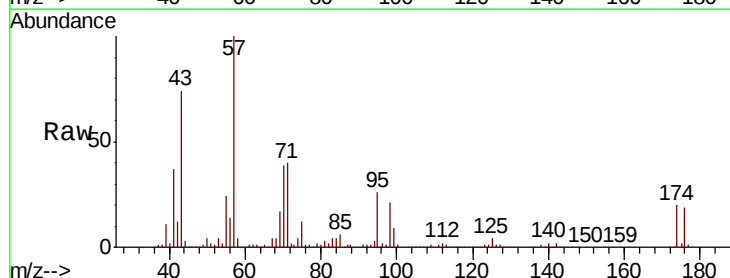
Tgt Ion: 95 Resp: 95978

Ion Ratio Lower Upper

95 100

174 79.3 0.0 184.4

176 76.7 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

80000

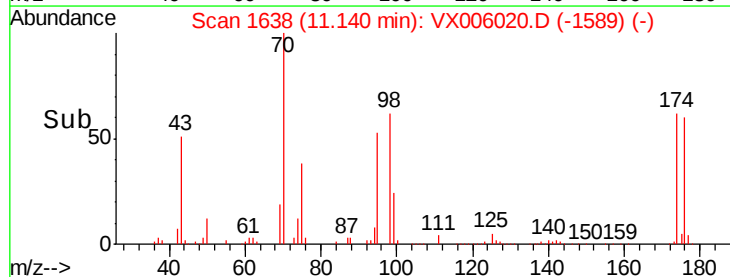
60000

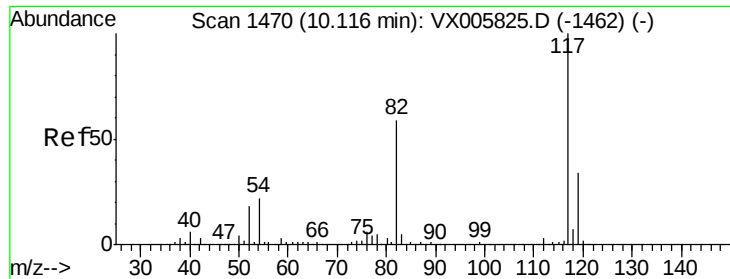
40000

20000

0

Time--> 11.10 11.15





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

FDSB-09(10-12)ME

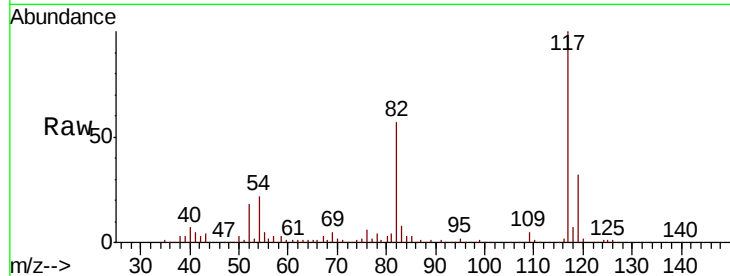
Tot Ion:117 Resp: 172163

Ion Ratio Lower Upper

117 100

82 54.1 44.1 66.1

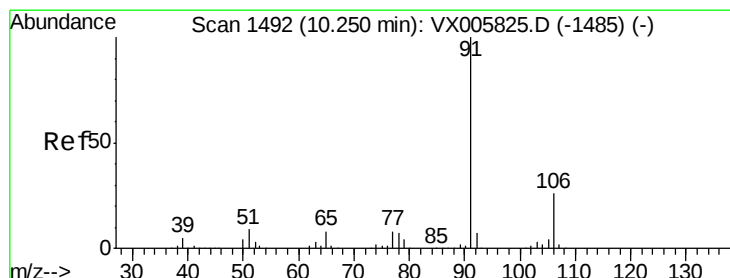
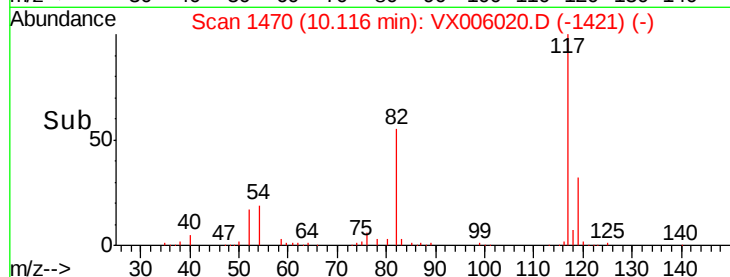
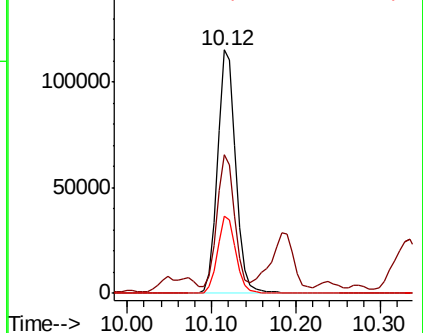
119 31.8 26.2 39.2



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



#67

Ethyl Benzene

Concen: 0.716 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX006020.D

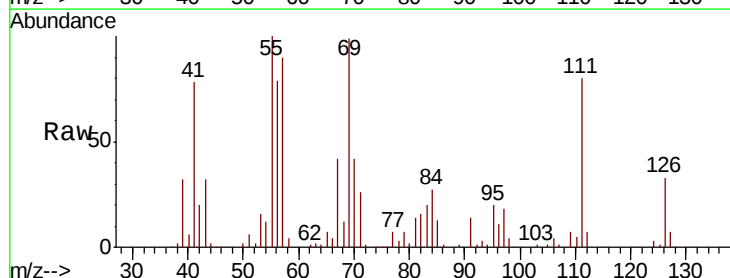
Acq: 15 Nov 2018 15:20

Tgt Ion: 91 Resp: 3960

Ion Ratio Lower Upper

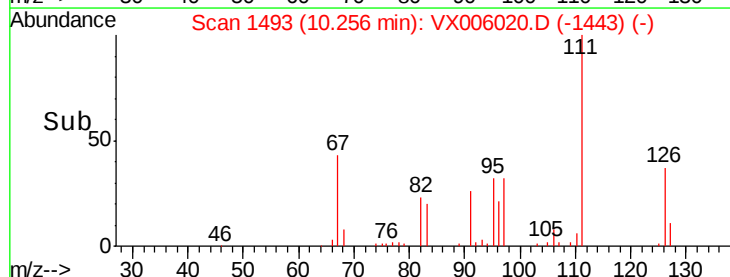
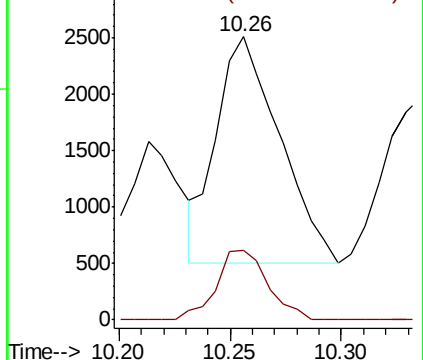
91 100

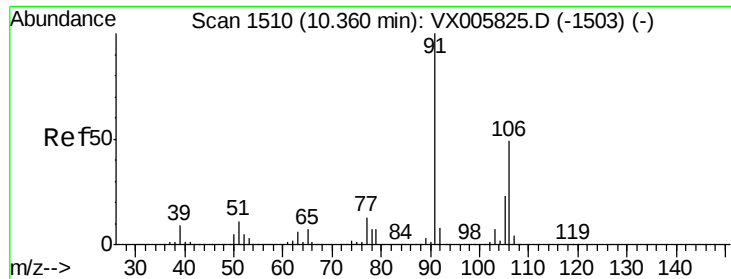
106 31.1 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

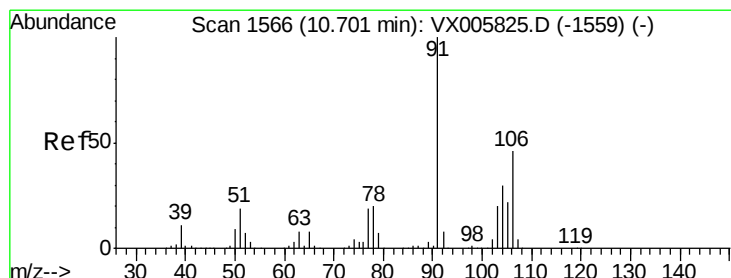
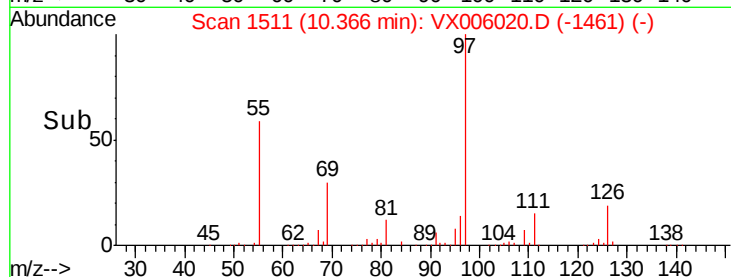
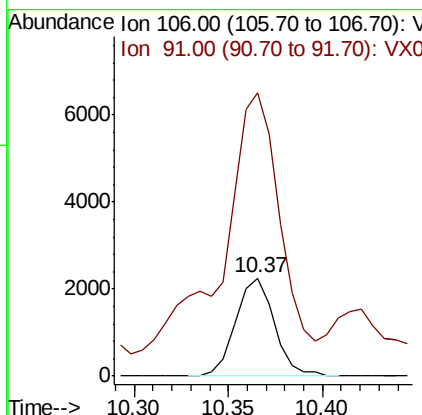
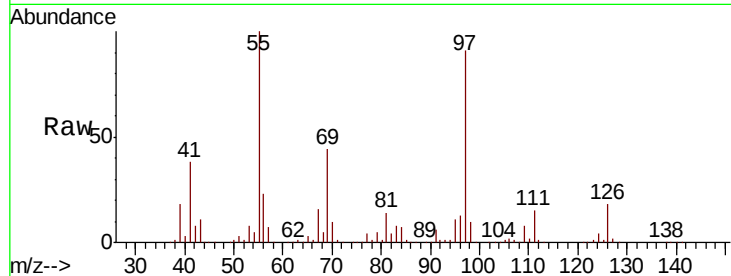




#68
m/p-Xylenes
Concen: 1.516 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX006020.D
Acq: 15 Nov 2018 15:20

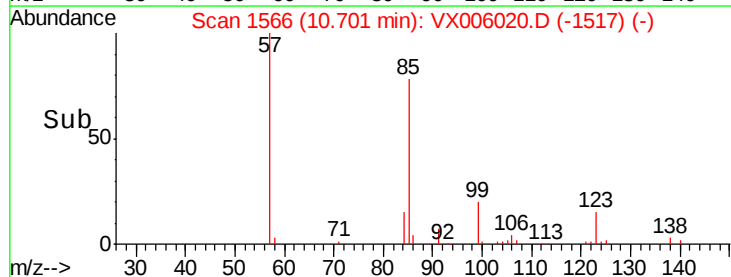
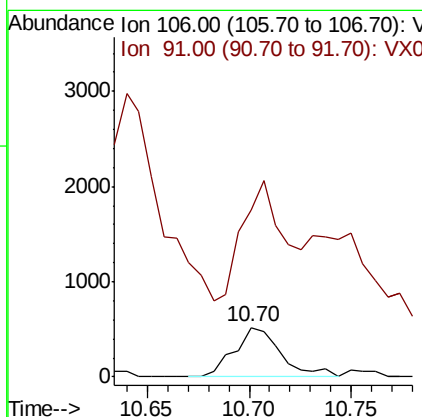
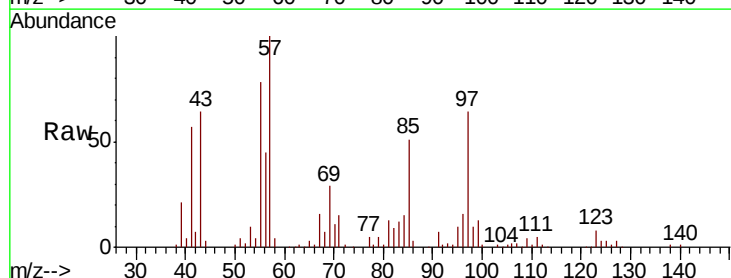
Instrument :
MSVOA_X
ClientSampleId :
FDSB-09(10-12)ME

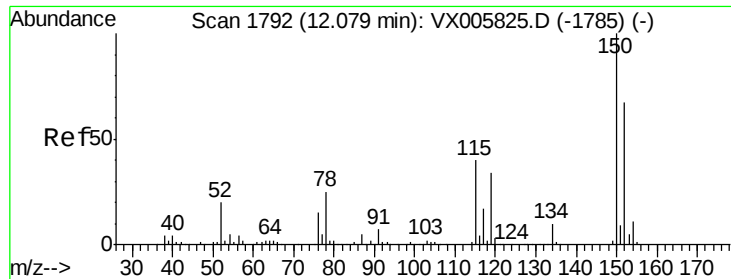
Tot Ion:106 Resp: 3198
Ion Ratio Lower Upper
106 100
91 384.4 164.2 246.4#



#69
o-Xylene
Concen: 0.440 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006020.D
Acq: 15 Nov 2018 15:20

Tgt Ion:106 Resp: 832
Ion Ratio Lower Upper
106 100
91 215.4 108.5 325.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

FDSB-09(10-12)ME

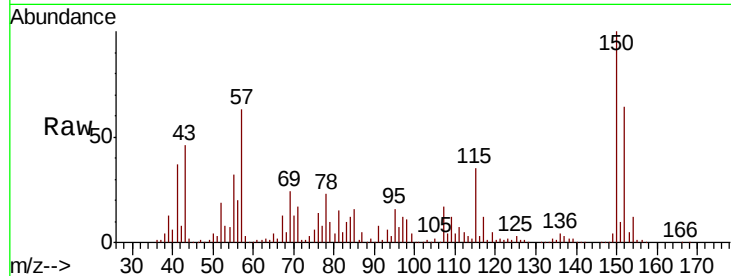
Tot Ion:152 Resp: 92573

Ion Ratio Lower Upper

152 100

115 63.2 39.4 118.1

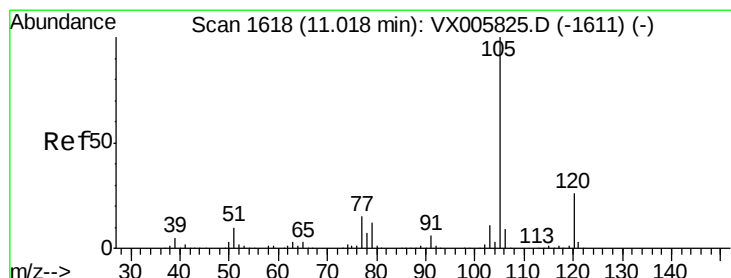
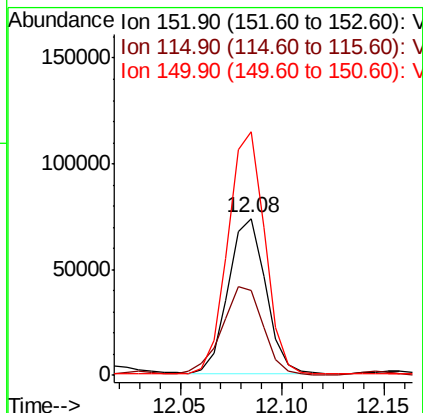
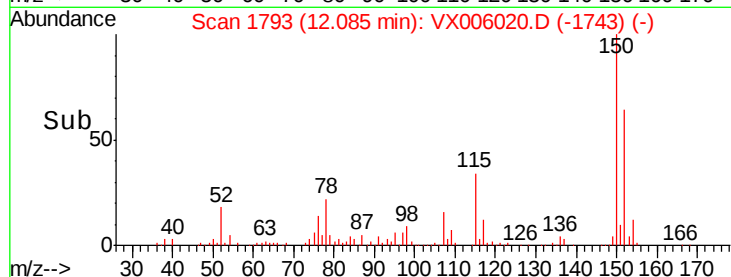
150 156.8 0.0 346.4



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



#73

Isopropylbenzene

Concen: 13.450 ug/l

RT: 11.02 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VX006020.D

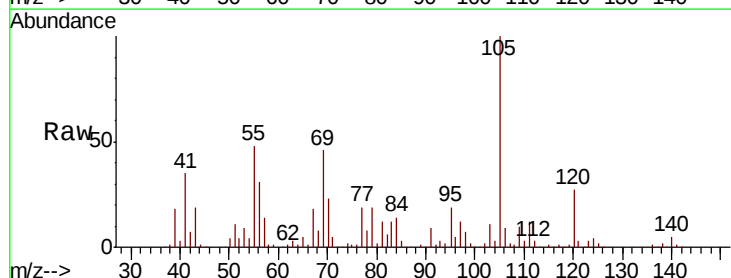
Acq: 15 Nov 2018 15:20

Tgt Ion:105 Resp: 72005

Ion Ratio Lower Upper

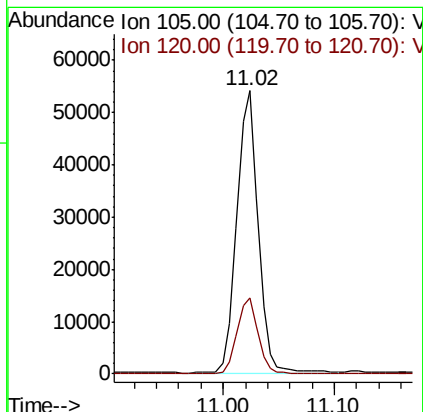
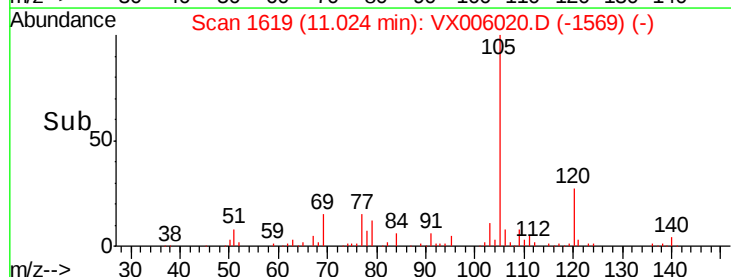
105 100

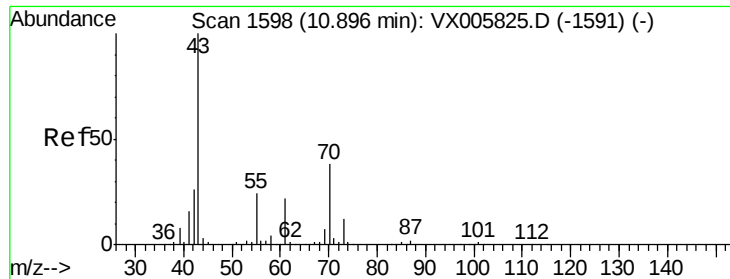
120 26.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 42.466 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

FDSB-09(10-12)ME

Tot Ion: 43 Resp: 126978

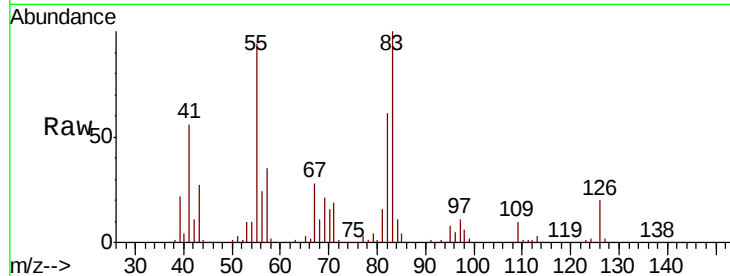
Ion Ratio Lower Upper

43 100

70 81.5 31.6 47.4#

55 315.7 19.7 29.5#

61 0.2 18.3 27.5#

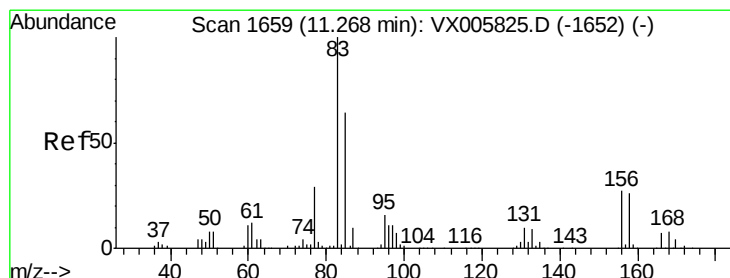
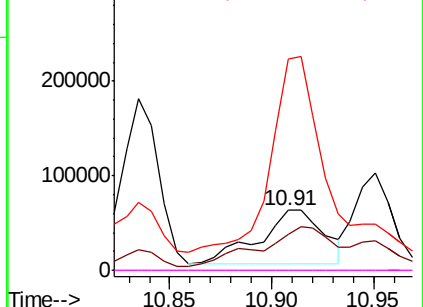
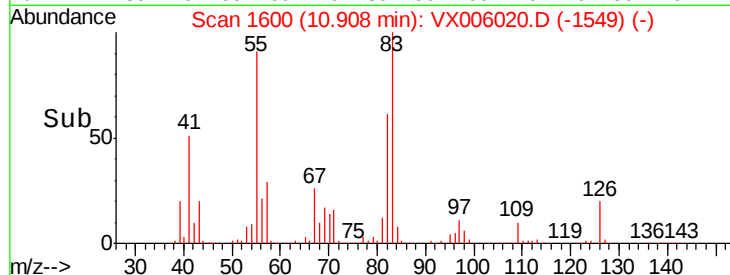


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 31.809 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

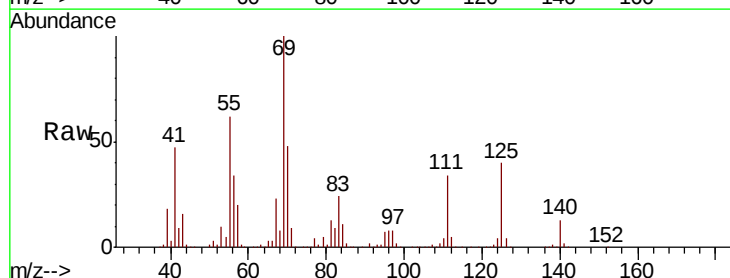
Tgt Ion: 83 Resp: 62503

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

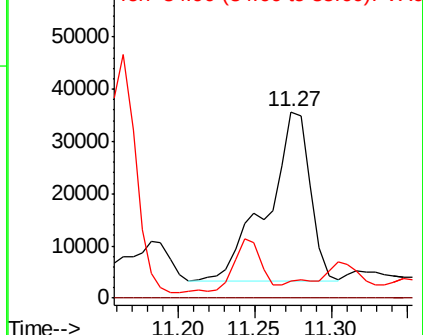
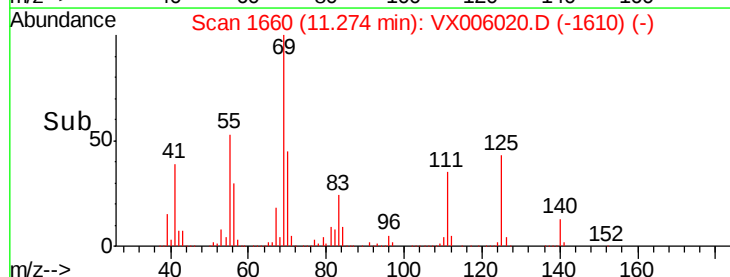
85 0.0 32.0 96.2#

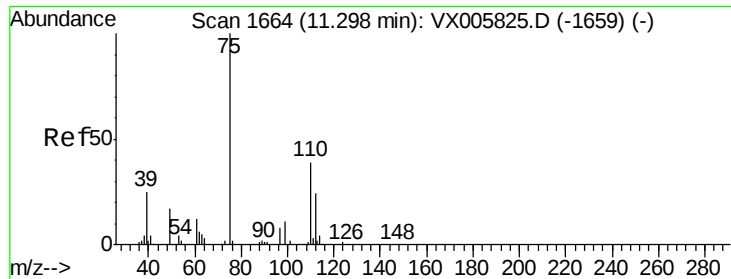


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

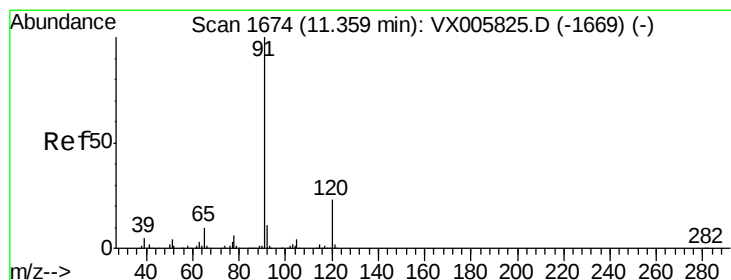
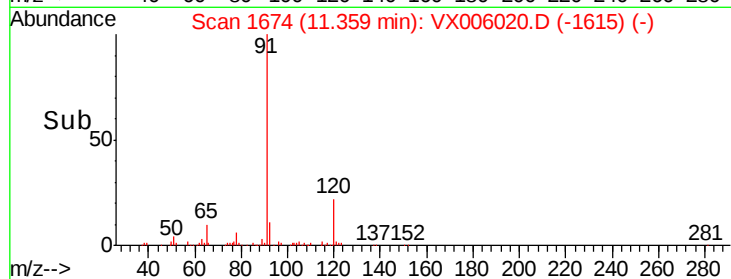
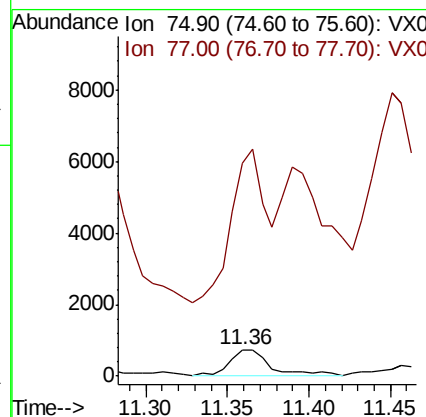
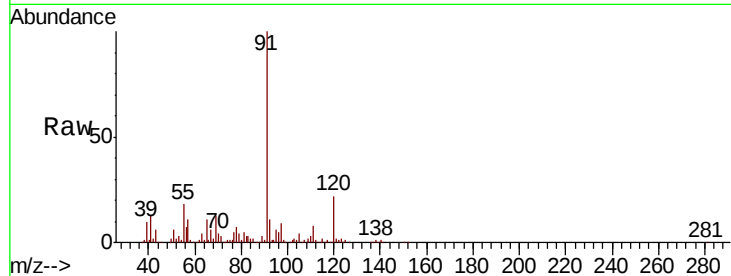




#76
 1,2,3-Trichloropropane
 Concen: 0.705 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. 0.06 min
 Lab File: VX006020.D
 Acq: 15 Nov 2018 15:20

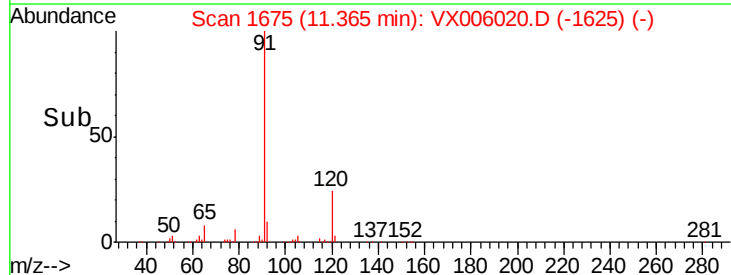
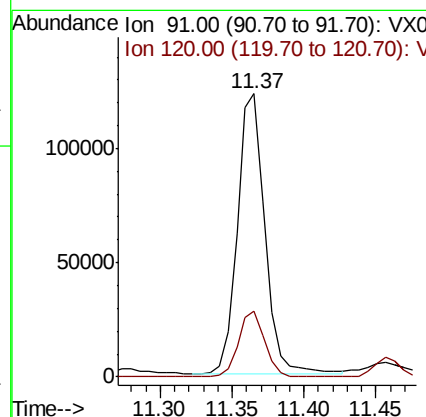
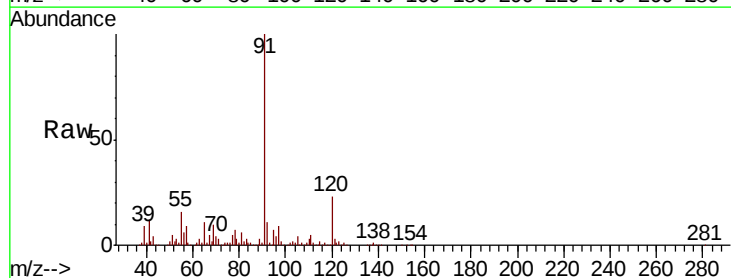
Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-09(10-12)ME

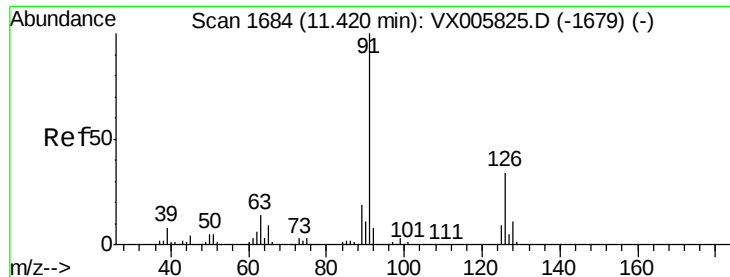
Tot Ion: 75 Resp: 1329
 Ion Ratio Lower Upper
 75 100
 77 477.1 20.5 61.6#



#78
 n-propylbenzene
 Concen: 25.963 ug/l
 RT: 11.37 min Scan# 1675
 Delta R.T. 0.01 min
 Lab File: VX006020.D
 Acq: 15 Nov 2018 15:20

Tgt Ion: 91 Resp: 163801
 Ion Ratio Lower Upper
 91 100
 120 22.5 11.9 35.5

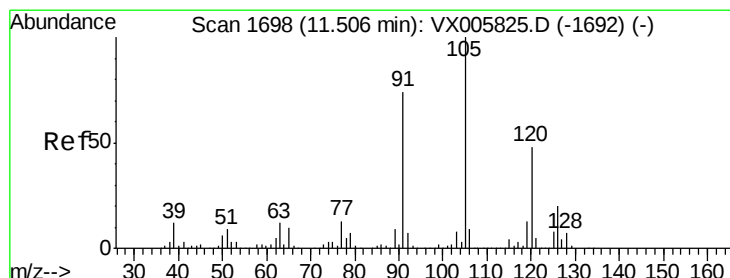
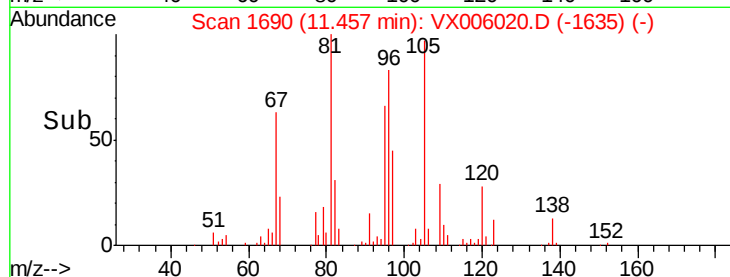
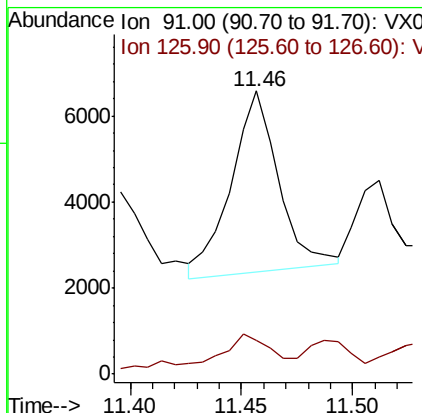
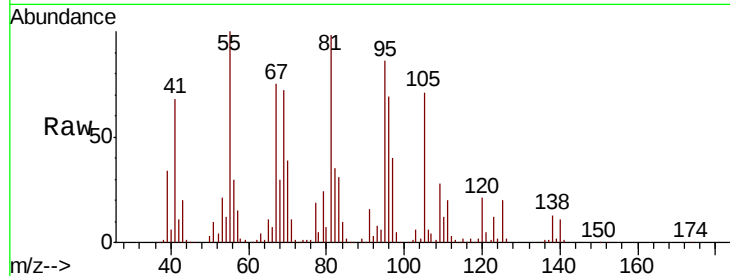




#79
 2-Chlorotoluene
 Concen: 1.647 ug/l
 RT: 11.46 min Scan# 1690
 Delta R.T. 0.04 min
 Lab File: VX006020.D
 Acq: 15 Nov 2018 15:20

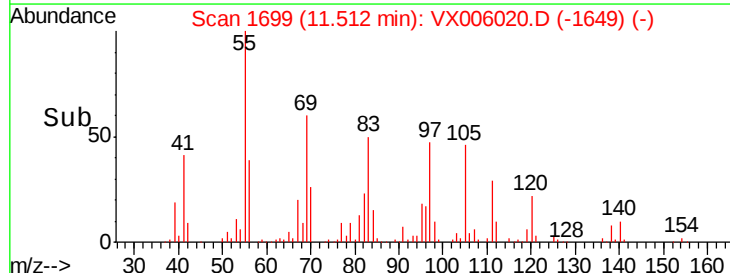
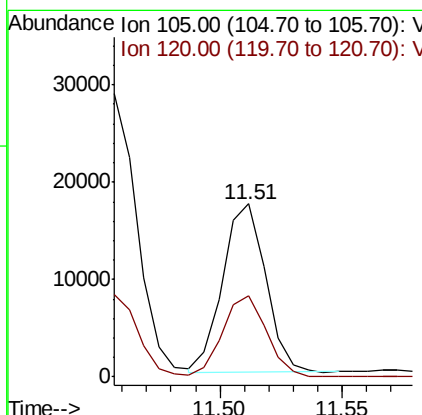
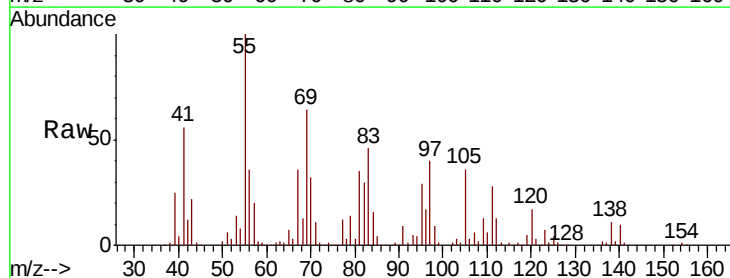
Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-09(10-12)ME

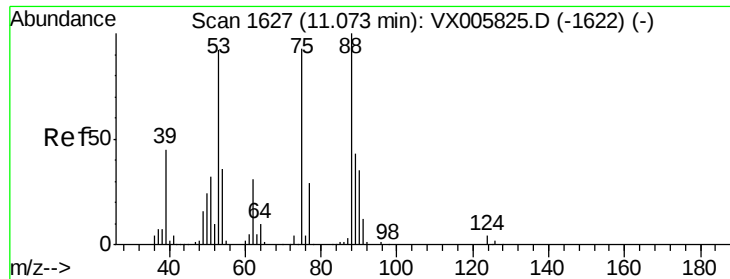
Tot Ion: 91 Resp: 6280
 Ion Ratio Lower Upper
 91 100
 126 20.2 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 4.665 ug/l
 RT: 11.51 min Scan# 1699
 Delta R.T. 0.01 min
 Lab File: VX006020.D
 Acq: 15 Nov 2018 15:20

Tgt Ion: 105 Resp: 21223
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 70.306 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

FDSB-09(10-12)ME

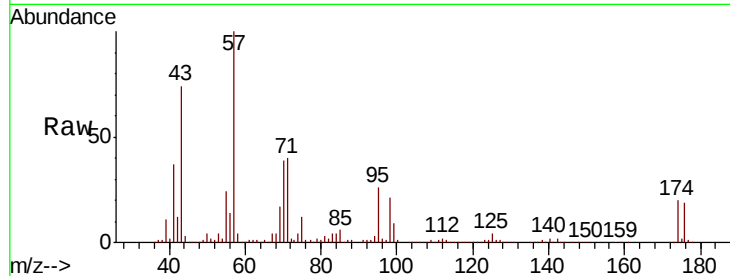
Tot Ion: 75 Resp: 41581

Ion Ratio Lower Upper

75 100

53 27.8 80.2 120.2#

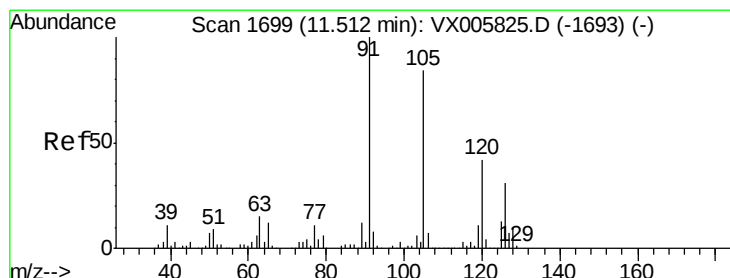
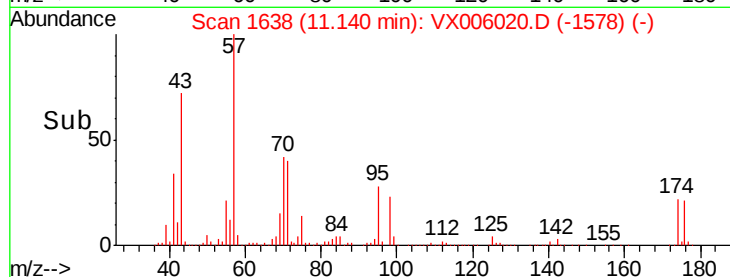
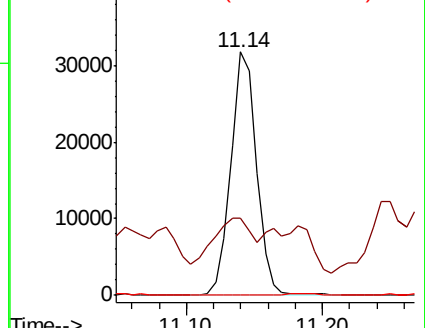
89 0.3 39.8 59.8#



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



#82

4-Chlorotoluene

Concen: 1.397 ug/l

RT: 11.46 min Scan# 1690

Delta R.T. -0.06 min

Lab File: VX006020.D

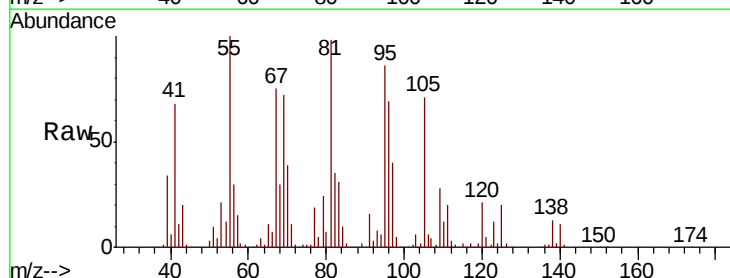
Acq: 15 Nov 2018 15:20

Tgt Ion: 91 Resp: 6280

Ion Ratio Lower Upper

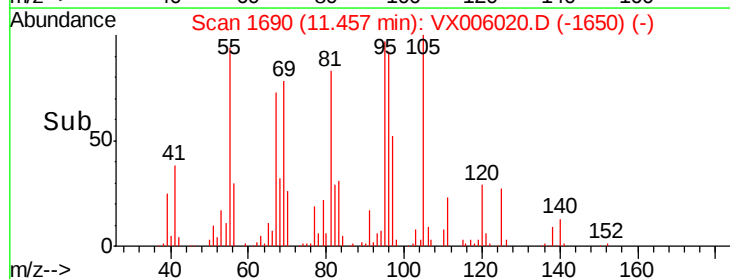
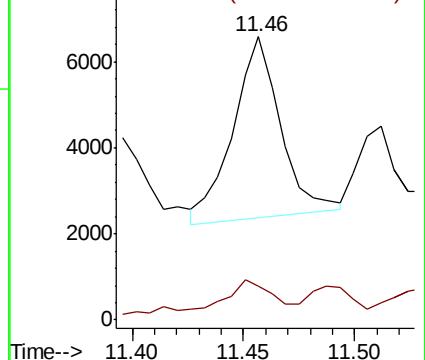
91 100

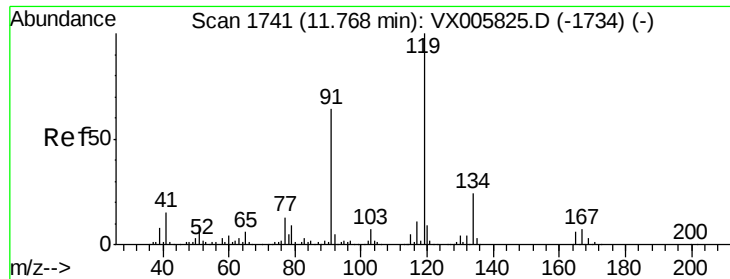
126 20.2 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 1.613 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VX006020.D

Acq: 15 Nov 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

FDSB-09(10-12)ME

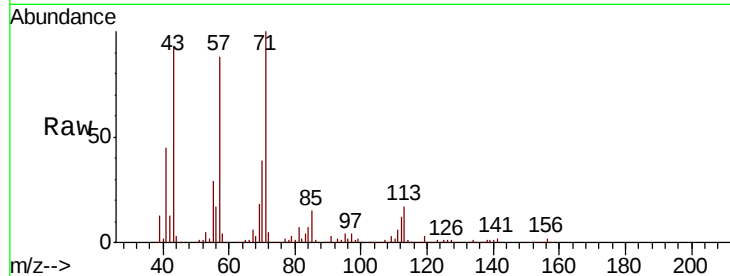
Tot Ion:119 Resp: 7422

Ion Ratio Lower Upper

119 100

91 48.3 28.5 85.5

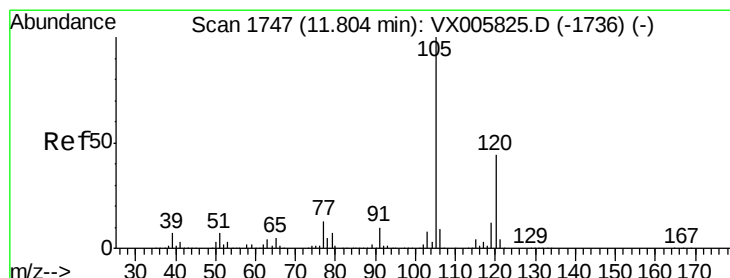
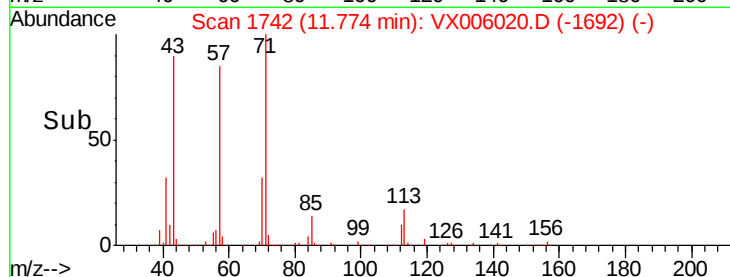
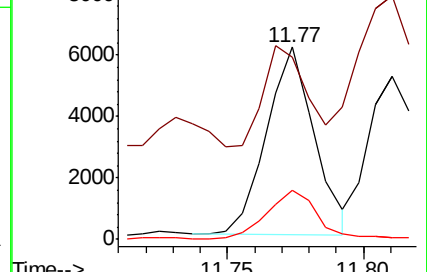
134 28.6 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 10.237 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX006020.D

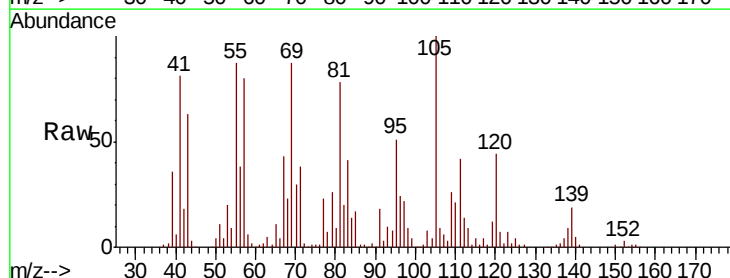
Acq: 15 Nov 2018 15:20

Tgt Ion:105 Resp: 51873

Ion Ratio Lower Upper

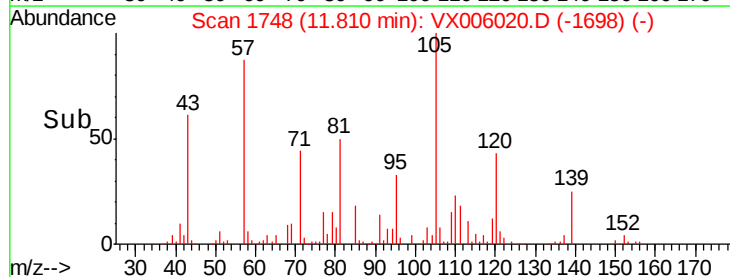
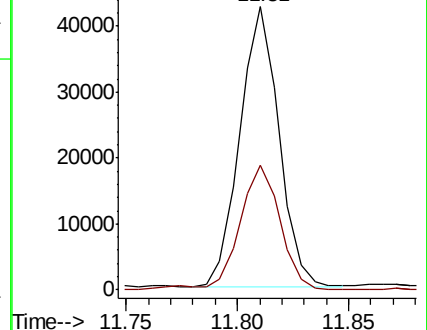
105 100

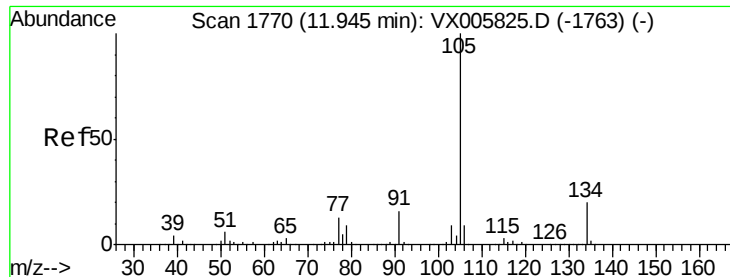
120 47.0 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

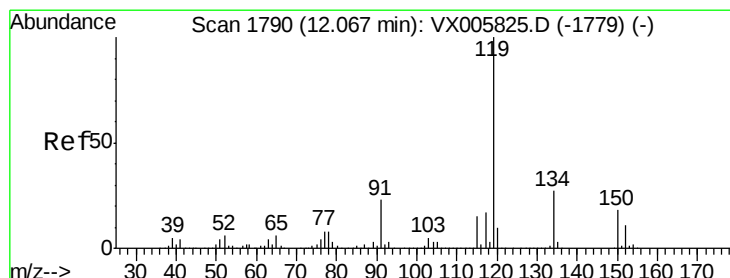
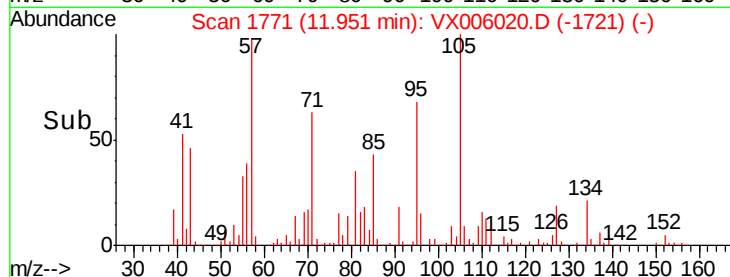
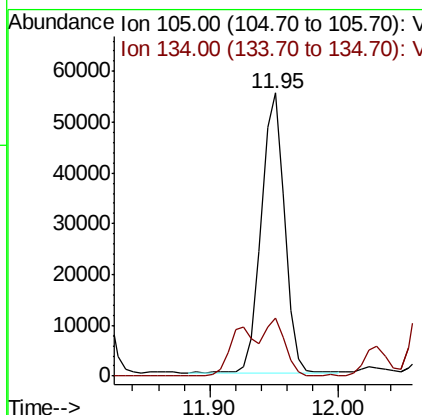
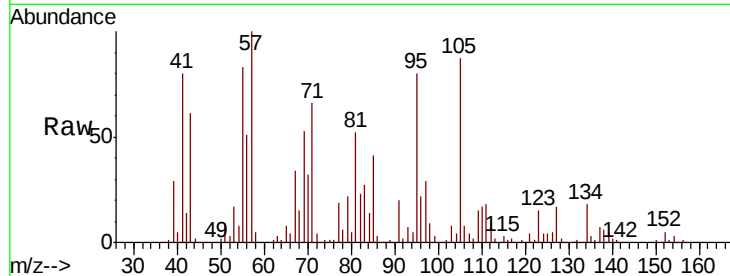




#85
 sec-Butylbenzene
 Concen: 12.197 ug/l
 RT: 11.95 min Scan# 1771
 Delta R.T. 0.01 min
 Lab File: VX006020.D
 Acq: 15 Nov 2018 15:20

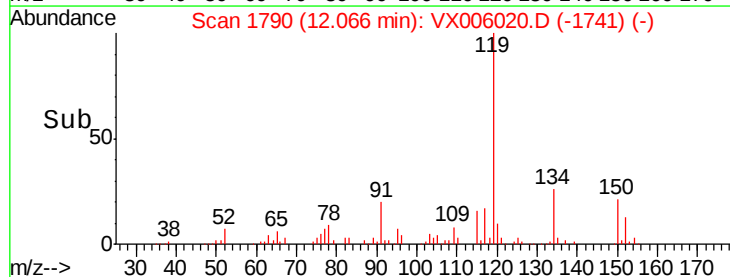
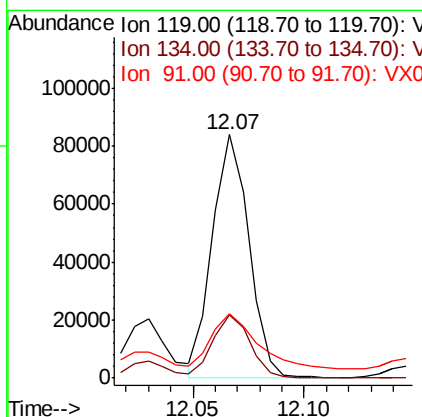
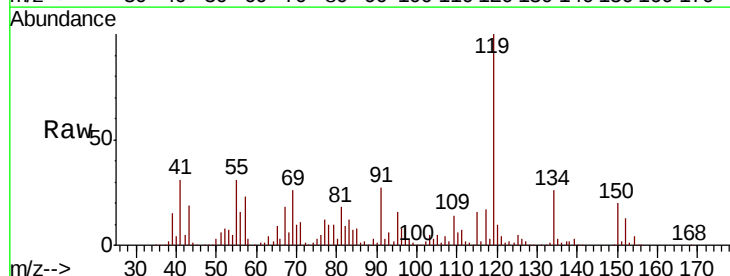
Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-09(10-12)ME

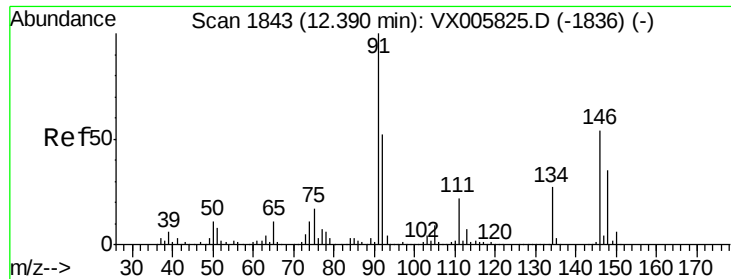
Tot Ion:105 Resp: 68646
 Ion Ratio Lower Upper
 105 100
 134 17.3 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 19.038 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX006020.D
 Acq: 15 Nov 2018 15:20

Tgt Ion:119 Resp: 94907
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.0 39.0
 91 28.9 11.4 34.2

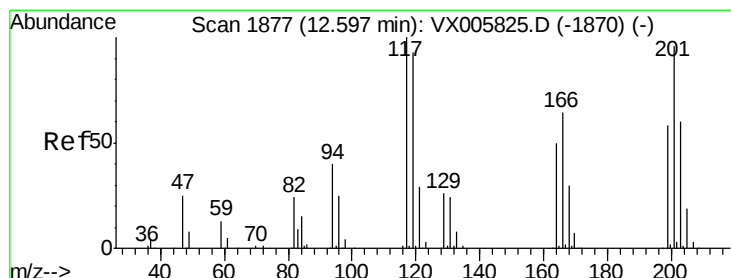
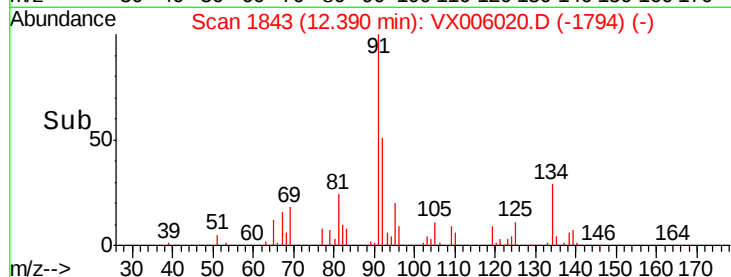
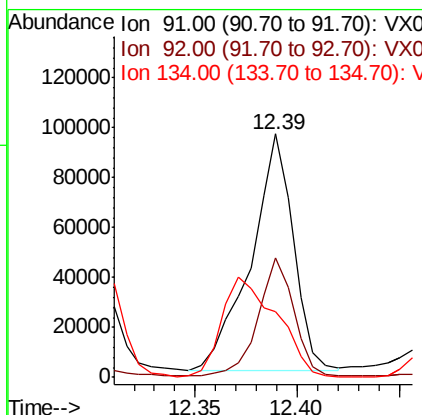
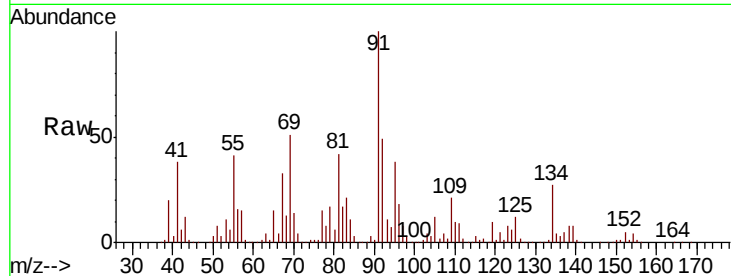




#89
n-Butylbenzene
Concen: 29.578 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006020.D
Acq: 15 Nov 2018 15:20

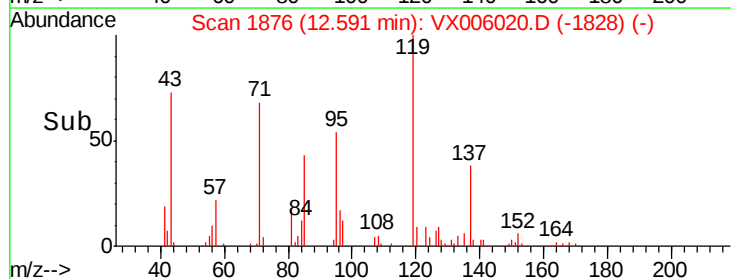
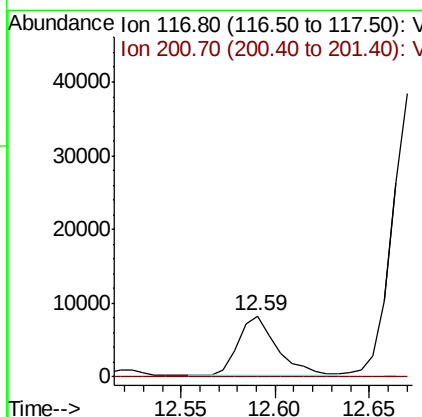
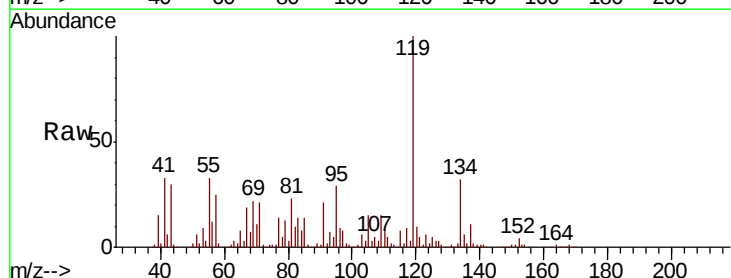
Instrument :
MSVOA_X
ClientSampleId :
FDSB-09(10-12)ME

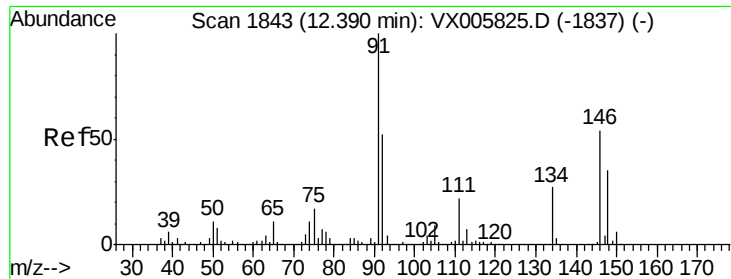
Tot Ion: 91 Resp: 136658
Ion Ratio Lower Upper
91 100
92 42.3 26.1 78.2
134 55.0 13.1 39.3#



#90
Hexachloroethane
Concen: 13.983 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX006020.D
Acq: 15 Nov 2018 15:20

Tgt Ion: 117 Resp: 11638
Ion Ratio Lower Upper
117 100
201 0.0 47.9 143.6#

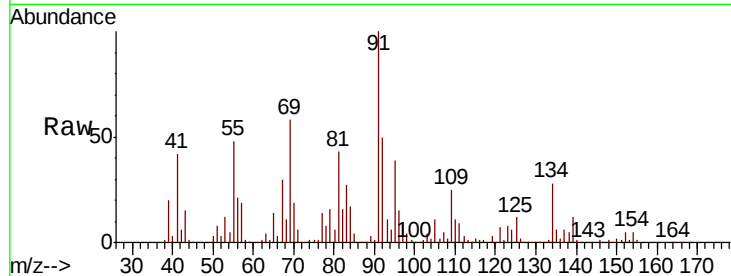




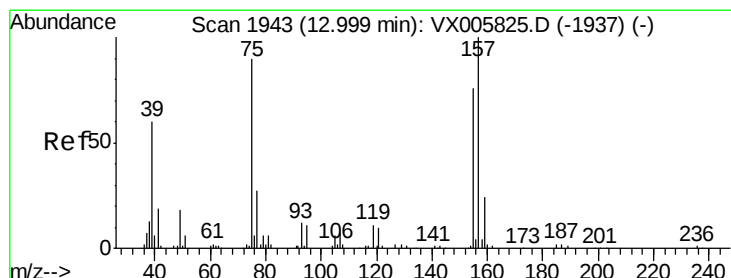
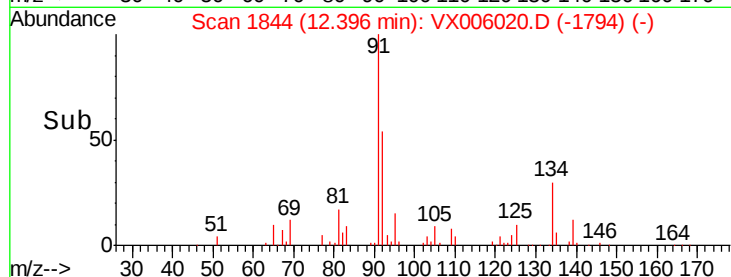
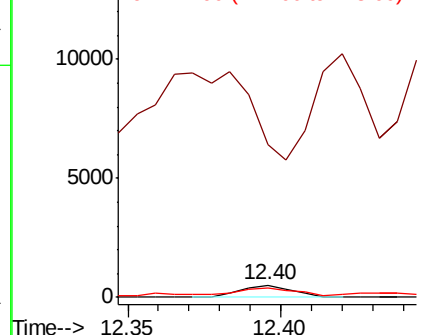
#91
 1,2-Dichlorobenzene
 Concen: 0.207 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX006020.D
 Acq: 15 Nov 2018 15:20

Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-09(10-12)ME

Tot Ion:146 Resp: 601
 Ion Ratio Lower Upper
 146 100
 111 1409.5 20.0 59.9#
 148 77.2 32.2 96.6

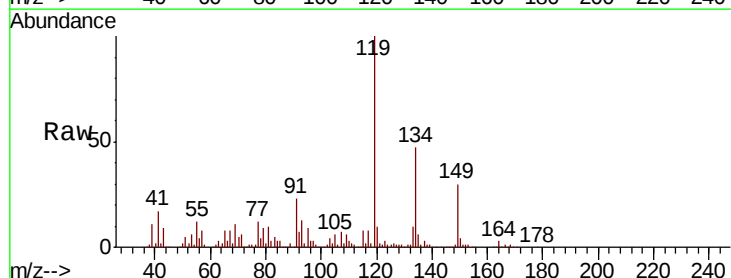


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

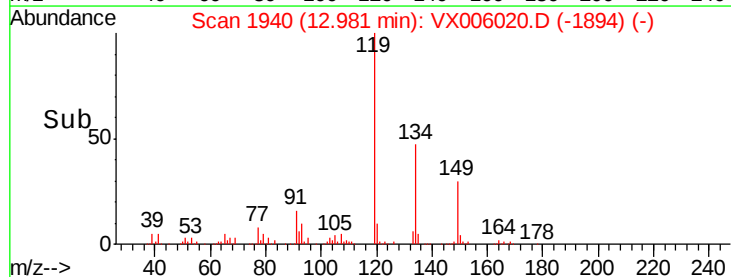
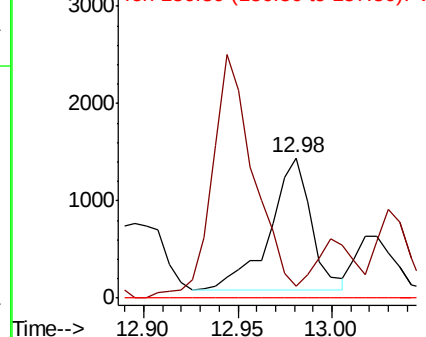


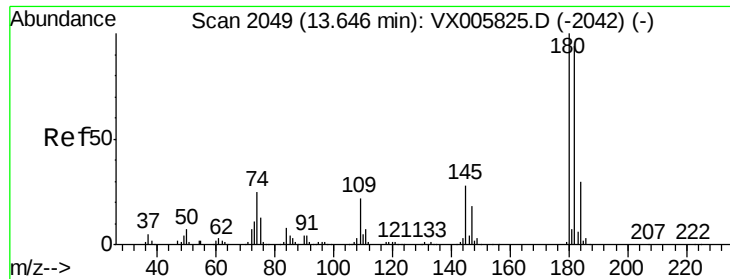
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.269 ug/l
 RT: 12.98 min Scan# 1940
 Delta R.T. -0.02 min
 Lab File: VX006020.D
 Acq: 15 Nov 2018 15:20

Tgt Ion: 75 Resp: 2047
 Ion Ratio Lower Upper
 75 100
 155 39.6 45.4 136.1#
 157 0.0 57.4 172.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

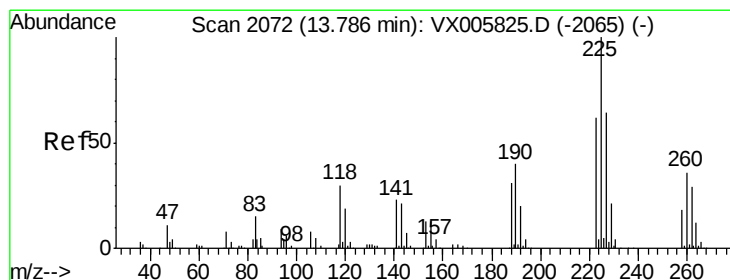
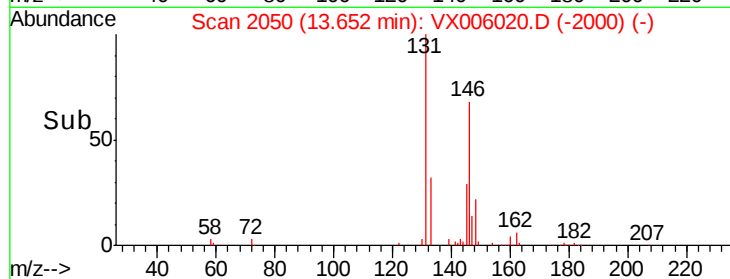
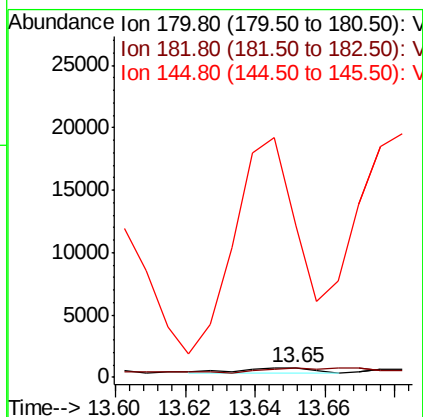
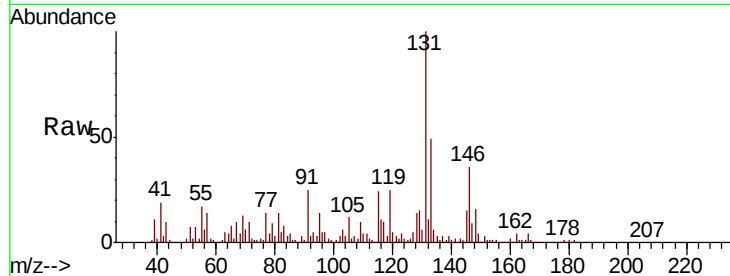




#93
 1,2,4-Trichlorobenzene
 Concen: 0.250 ug/l
 RT: 13.65 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VX006020.D
 Acq: 15 Nov 2018 15:20

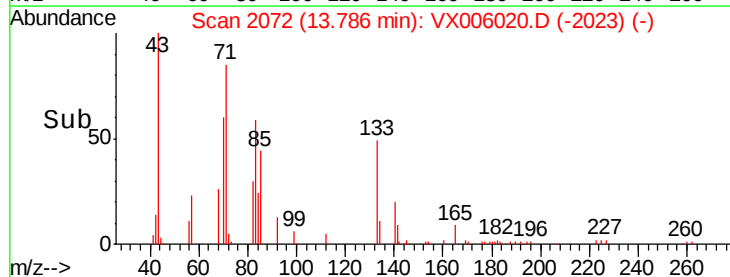
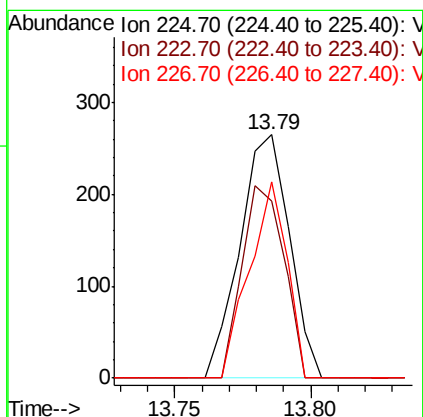
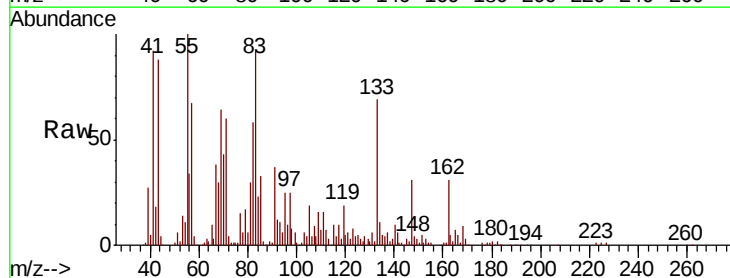
Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-09(10-12)ME

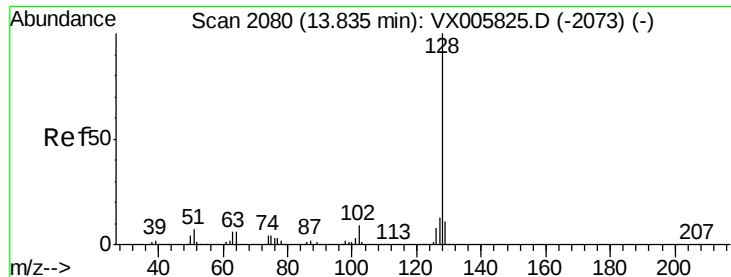
Tot Ion:180 Resp: 511
 Ion Ratio Lower Upper
 180 100
 182 78.1 47.6 142.8
 145 4830.1 14.1 42.2#



#94
 Hexachlorobutadiene
 Concen: 0.312 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX006020.D
 Acq: 15 Nov 2018 15:20

Tgt Ion:225 Resp: 335
 Ion Ratio Lower Upper
 225 100
 223 66.9 31.7 95.1
 227 60.9 32.3 96.9

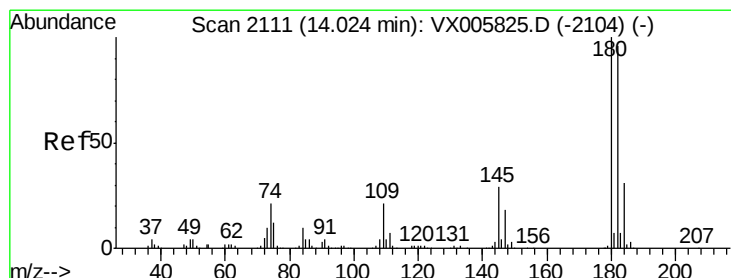
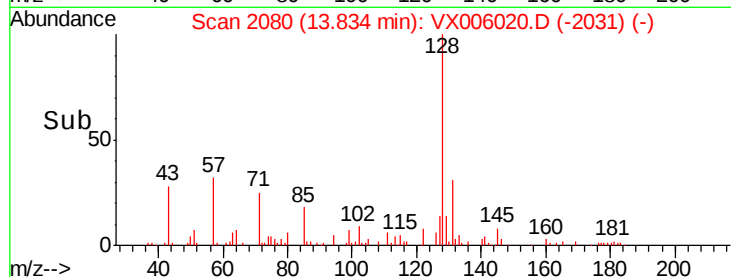
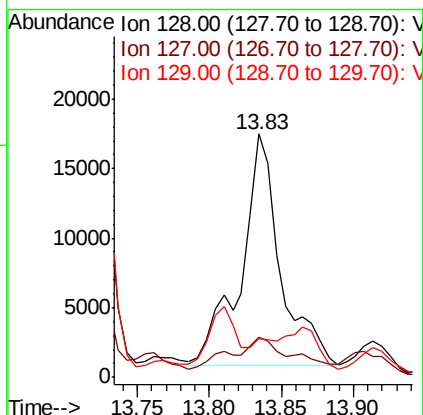
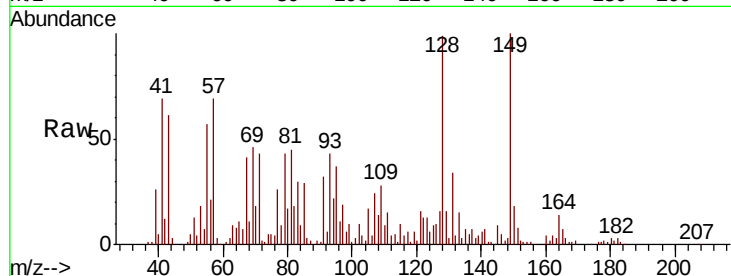




#95
Naphthalene
Concen: 5.808 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006020.D
Acq: 15 Nov 2018 15:20

Instrument :
MSVOA_X
ClientSampleId :
FDSB-09(10-12)ME

Tot Ion:128 Resp: 31585
Ion Ratio Lower Upper
128 100
127 15.0 10.4 15.6
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.726 ug/l
RT: 14.04 min Scan# 2113
Delta R.T. 0.01 min
Lab File: VX006020.D
Acq: 15 Nov 2018 15:20

Tgt Ion:180 Resp: 1511
Ion Ratio Lower Upper
180 100
182 27.6 48.0 144.2#
145 2605.5 15.1 45.3#

