

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111918\
 Data File : VX006093.D
 Acq On : 19 Nov 2018 16:07
 Operator : JC/MD
 Sample : J5951-02
 Misc : 5.01µl/10mL/100µL/5.00ml/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-02(21-23)

Quant Time: Nov 20 00:01:30 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	143120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	210579	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	169675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	89852	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	79387	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
35) Dibromofluoromethane	5.51	113	64571	45.08	ug/l	0.00
Spiked Amount			Recovery	=	90.16%	
50) Toluene-d8	8.71	98	222357	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
62) 4-Bromofluorobenzene	11.14	95	82092	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	

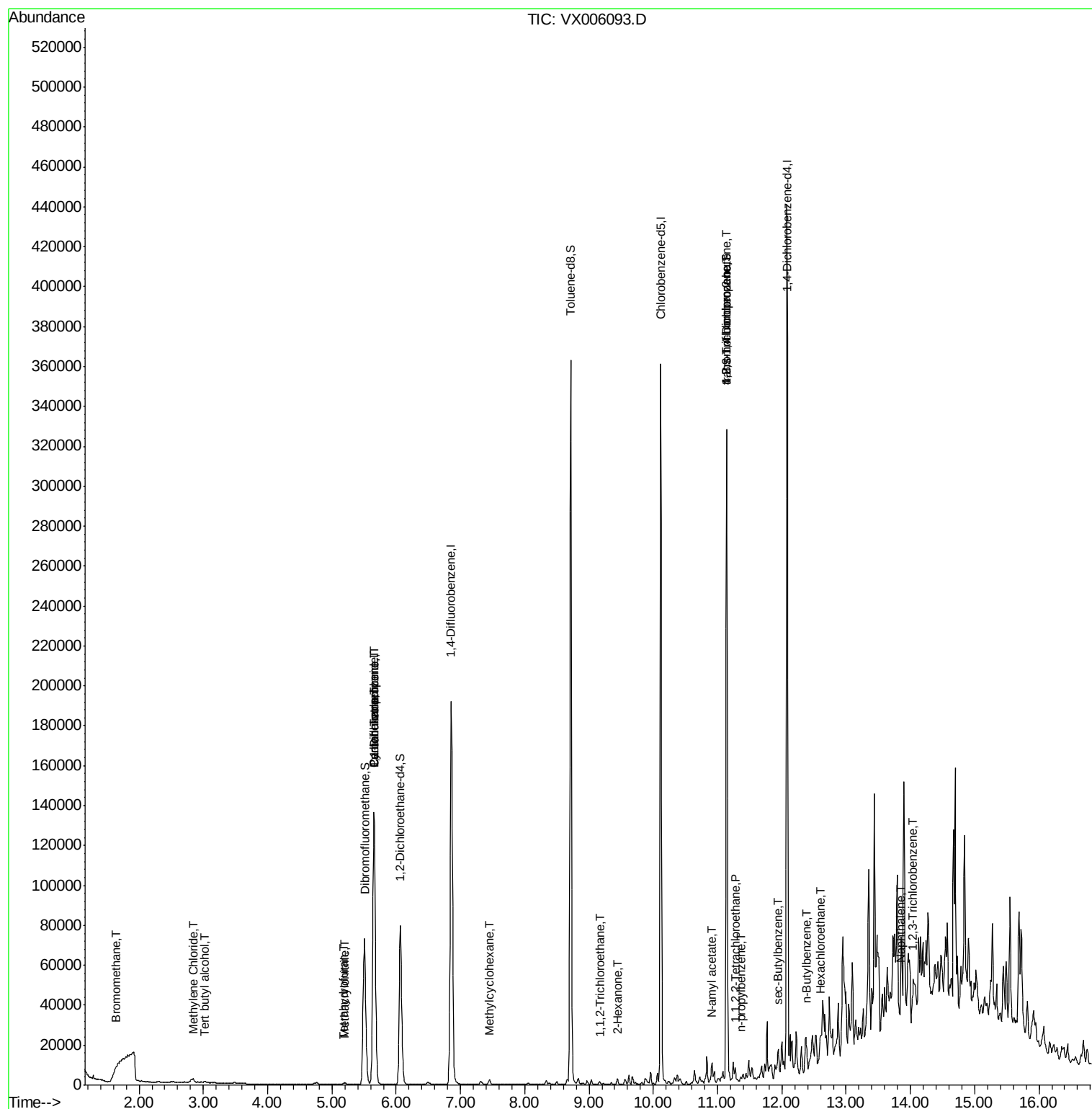
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	465	0.447	ug/l #	50
11) Tert butyl alcohol	3.02	59	533	1.131	ug/l #	72
18) Methyl Acetate	2.74	43	104	Below Cal	#	55
20) Methylene Chloride	2.84	84	629	0.432	ug/l #	90
29) Tetrahydrofuran	5.18	42	291	0.325	ug/l #	79
31) Cyclohexane	5.65	56	2405	1.049	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	9472	4.666	ug/l #	49
38) Carbon Tetrachloride	5.66	117	12644	6.222	ug/l #	16
39) Methylcyclohexane	7.45	83	1001	0.487	ug/l	89
41) Methacrylonitrile	5.20	41	367	0.254	ug/l #	40
55) 1,1,2-Trichloroethane	9.16	97	483	0.328	ug/l #	14
59) 2-Hexanone	9.44	43	950	0.442	ug/l #	26
74) N-amyl acetate	10.91	43	973	1.576	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	830	0.435	ug/l #	36
76) 1,2,3-Trichloropropane	11.14	75	40493	22.132	ug/l #	37
78) n-propylbenzene	11.36	91	1971	0.322	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.14	75	40493	70.539	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	282	Below Cal		93
85) sec-Butylbenzene	11.94	105	1280	0.234	ug/l	89
89) n-Butylbenzene	12.39	91	2599	0.580	ug/l #	83
90) Hexachloroethane	12.59	117	180	0.223	ug/l #	2
95) Naphthalene	13.83	128	1093	1.343	ug/l #	65
96) 1,2,3-Trichlorobenzene	14.03	180	425	0.210	ug/l #	1

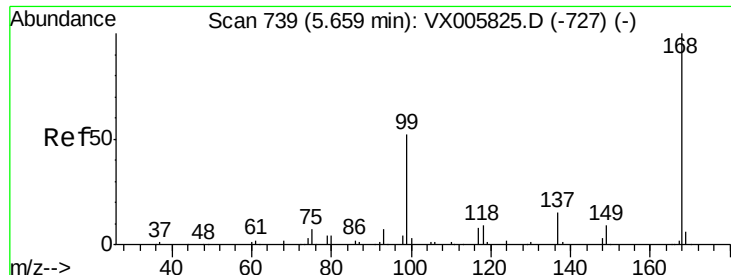
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FDSB-02(21-23)

Quant Time: Nov 20 00:01:30 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: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX006093.D

Acq: 19 Nov 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

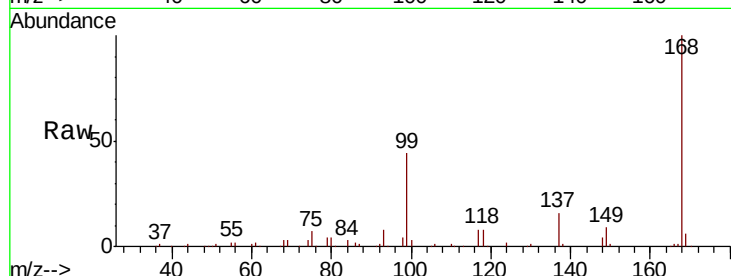
FDSB-02(21-23)

Tot Ion:168 Resp: 143120

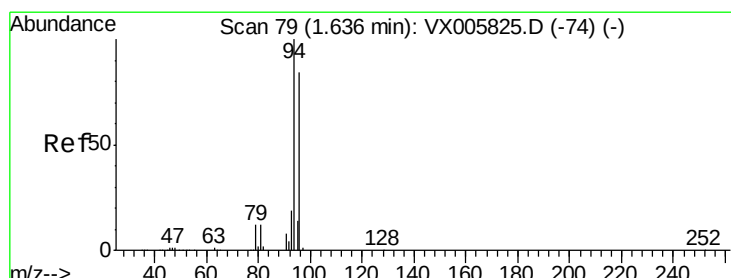
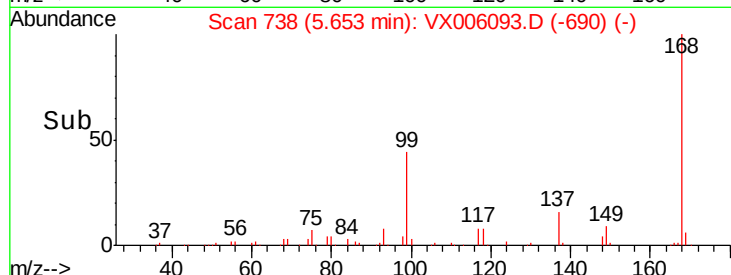
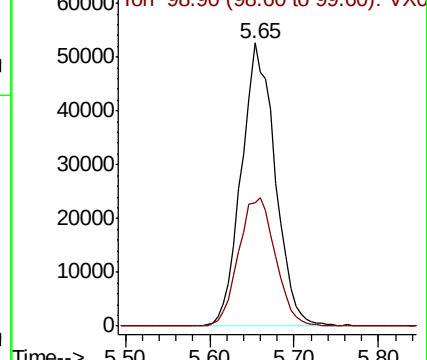
Ion Ratio Lower Upper

168 100

99 43.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): VX005825.D (-727) (-)



#5

Bromomethane

Concen: 0.447 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX006093.D

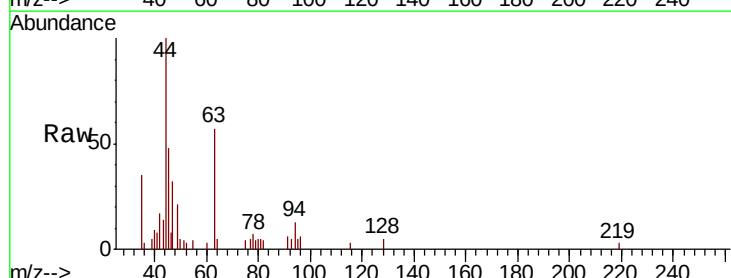
Acq: 19 Nov 2018 16:07

Tgt Ion: 94 Resp: 465

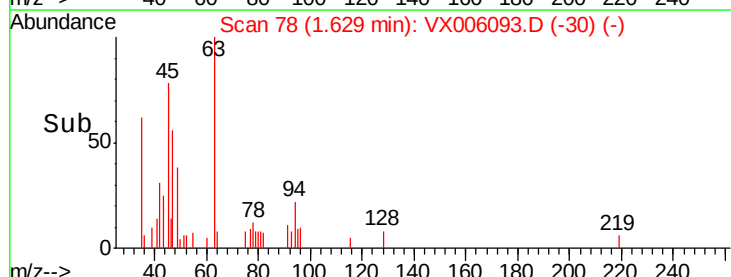
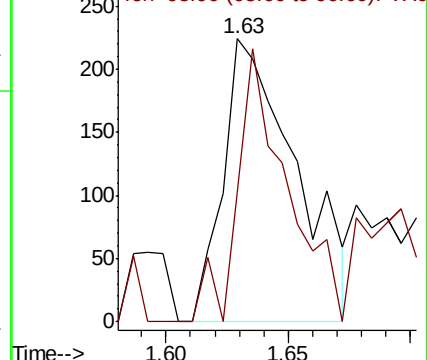
Ion Ratio Lower Upper

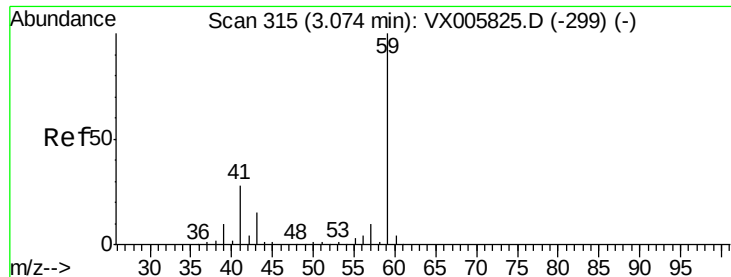
94 100

96 46.0 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX005825.D (-74) (-)



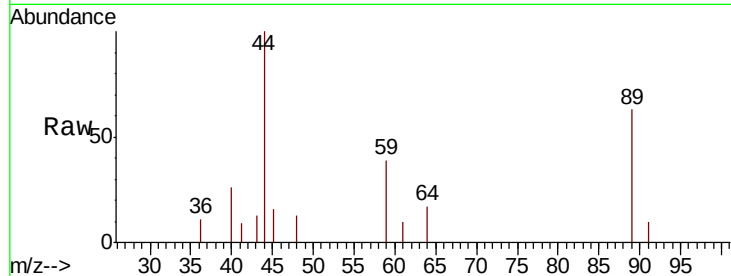


#11

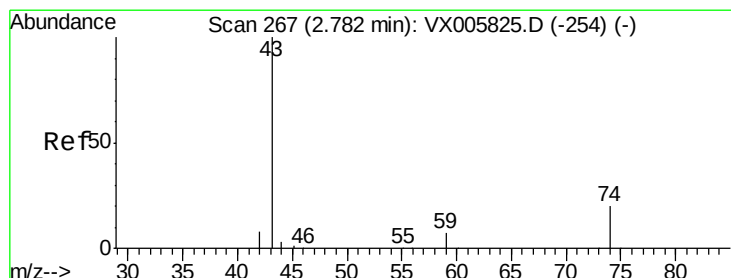
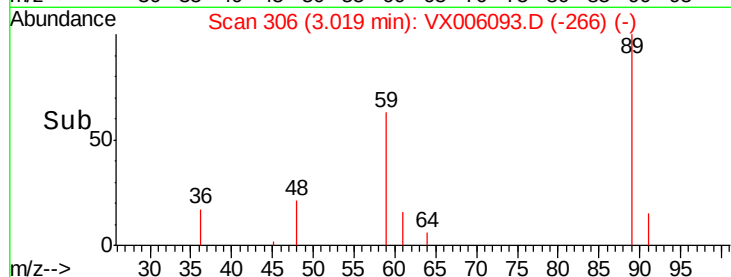
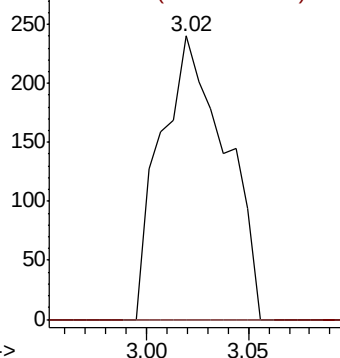
Tert butyl alcohol
 Concen: 1.131 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX006093.D
 Acq: 19 Nov 2018 16:07

Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-02(21-23)

Tot Ion: 59 Resp: 533
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#



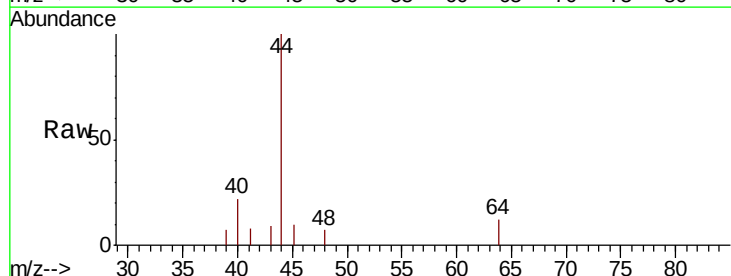
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



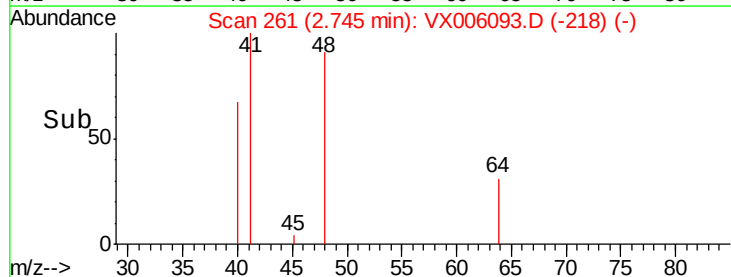
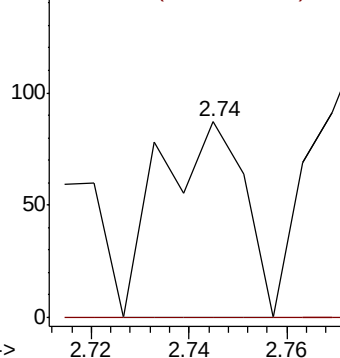
#18

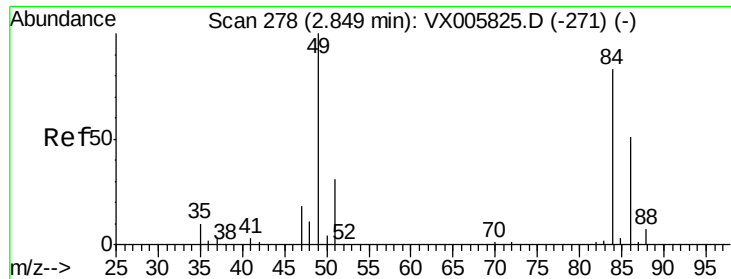
Methyl Acetate
 Concen: Below Cal
 RT: 2.74 min Scan# 261
 Delta R.T. -0.04 min
 Lab File: VX006093.D
 Acq: 19 Nov 2018 16:07

Tgt Ion: 43 Resp: 104
 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

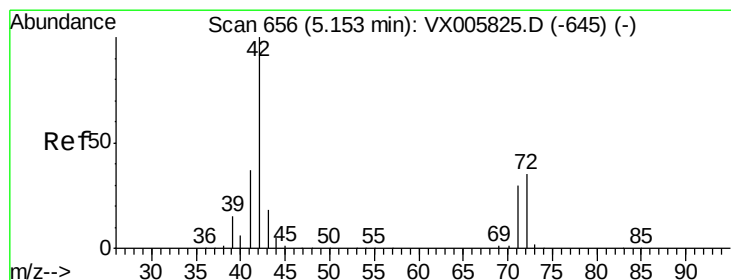
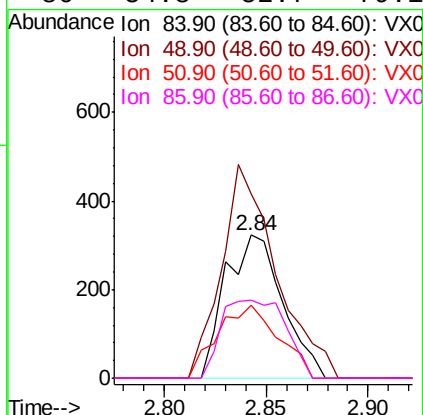
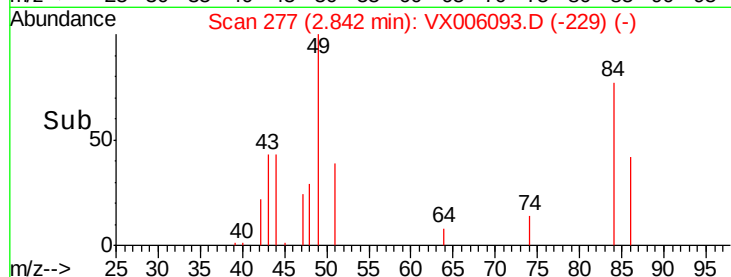
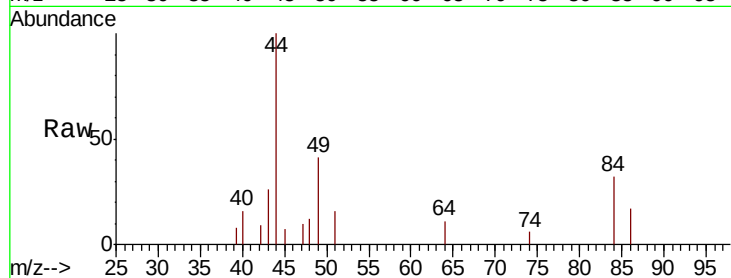




#20
Methylene Chloride
Concen: 0.432 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX006093.D
Acq: 19 Nov 2018 16:07

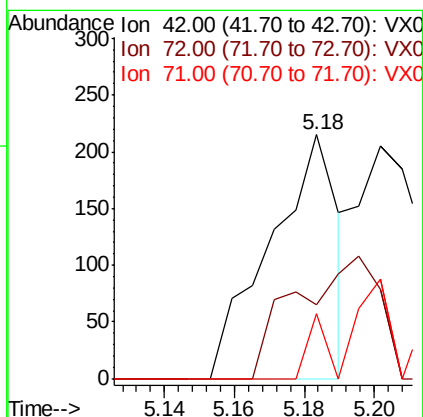
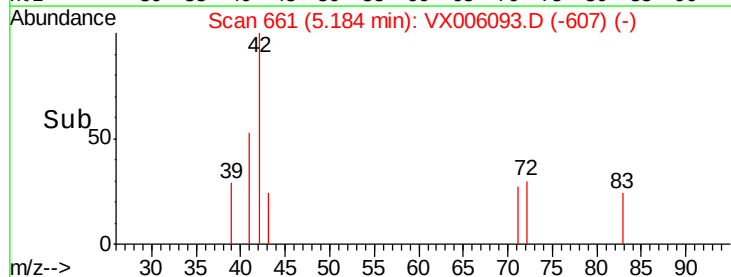
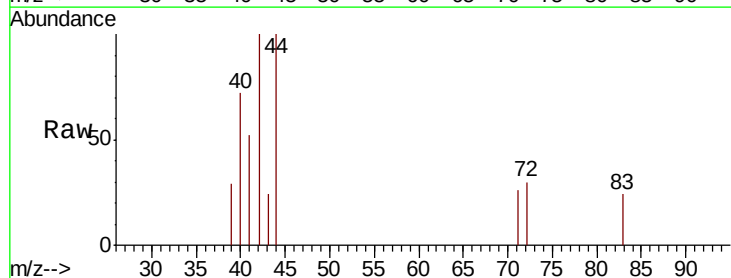
Instrument :
MSVOA_X
ClientSampleId :
FDSB-02(21-23)

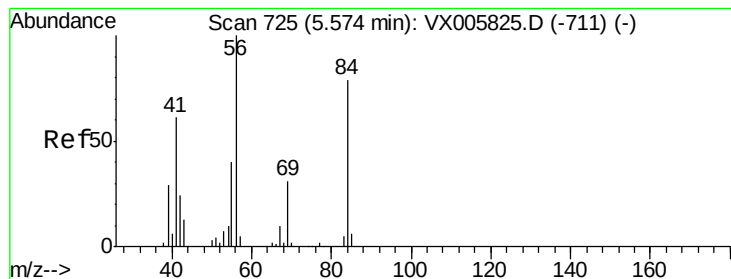
Tot Ion: 84 Resp: 629
Ion Ratio Lower Upper
84 100
49 129.1 109.5 164.3
51 50.8 33.3 49.9#
86 54.8 52.7 79.1



#29
Tetrahydrofuran
Concen: 0.325 ug/l
RT: 5.18 min Scan# 661
Delta R.T. 0.03 min
Lab File: VX006093.D
Acq: 19 Nov 2018 16:07

Tgt Ion: 42 Resp: 291
Ion Ratio Lower Upper
42 100
72 61.5 32.0 48.0#
71 33.0 29.8 44.8





#31

Cyclohexane

Concen: 1.049 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX006093.D

Acq: 19 Nov 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

FDSB-02(21-23)

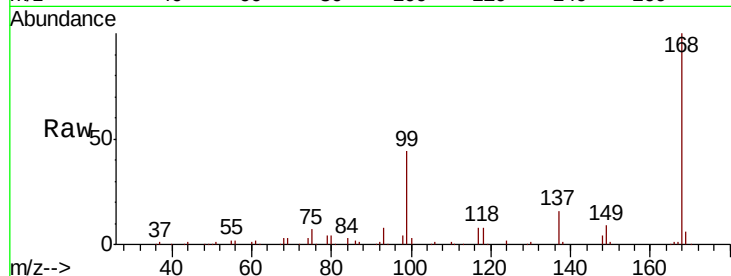
Tot Ion: 56 Resp: 2405

Ion Ratio Lower Upper

56 100

69 177.9 22.6 34.0#

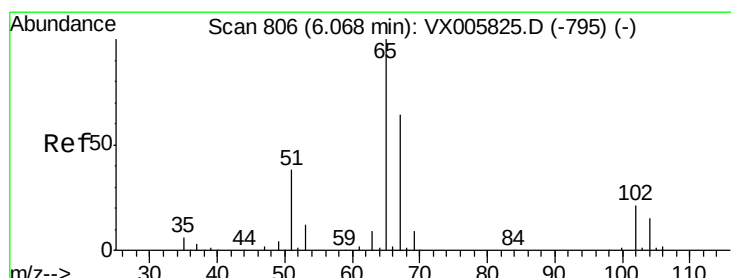
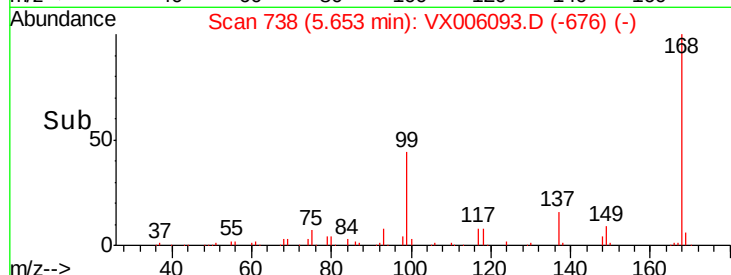
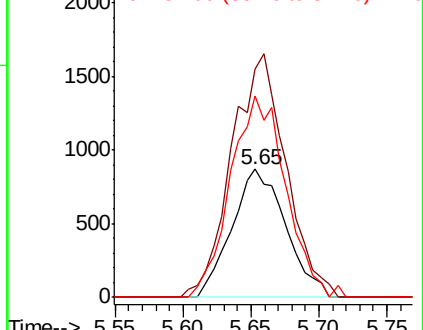
84 156.7 62.7 94.1#



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: 48.249 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006093.D

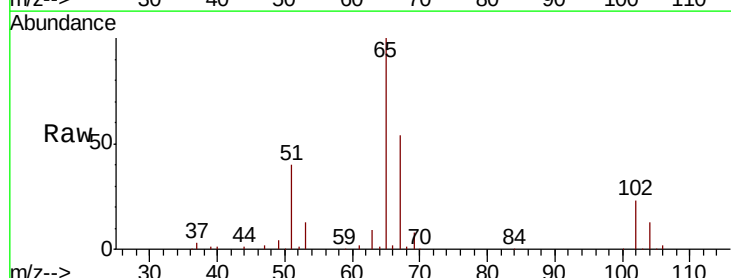
Acq: 19 Nov 2018 16:07

Tgt Ion: 65 Resp: 79387

Ion Ratio Lower Upper

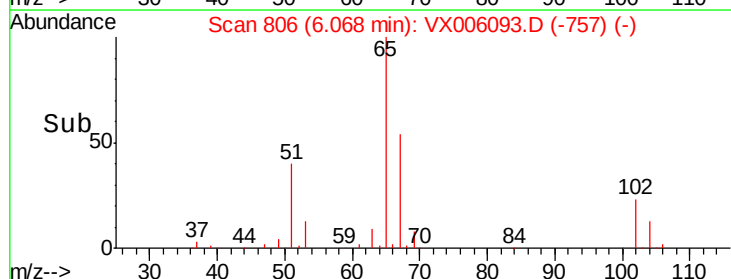
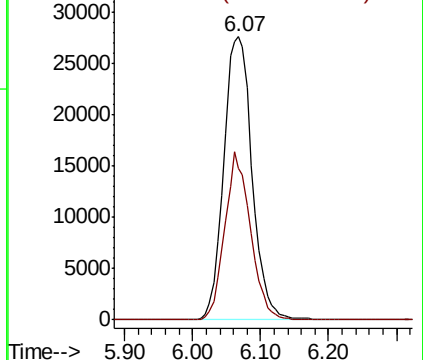
65 100

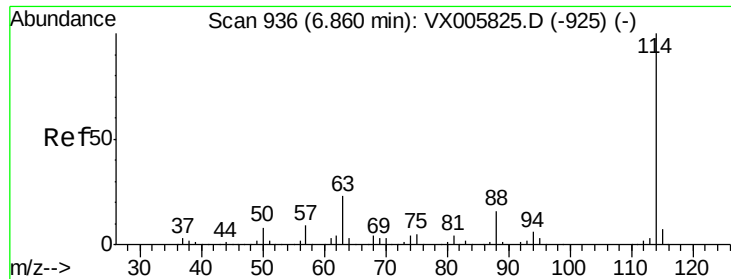
67 53.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

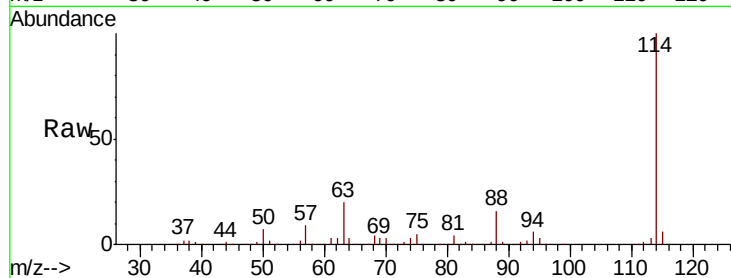




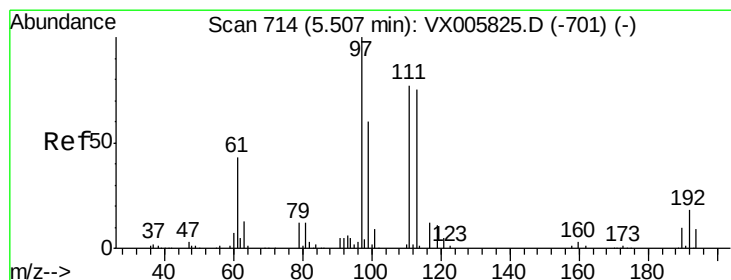
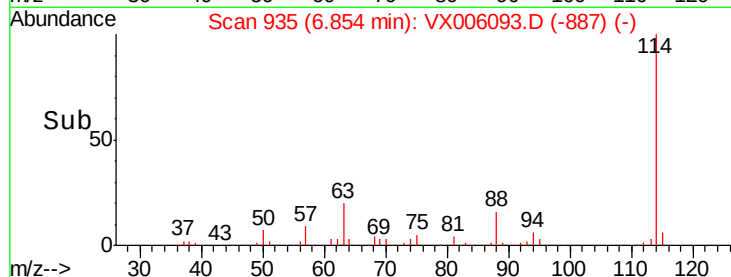
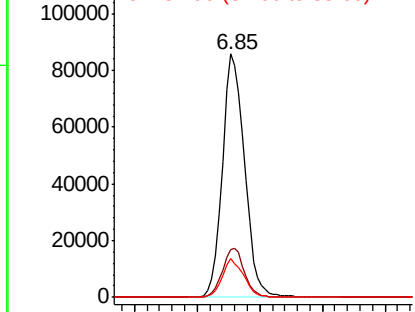
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX006093.D
 Acq: 19 Nov 2018 16:07

Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-02(21-23)

Tot Ion:114 Resp: 210579
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.8
 88 15.9 0.0 31.2

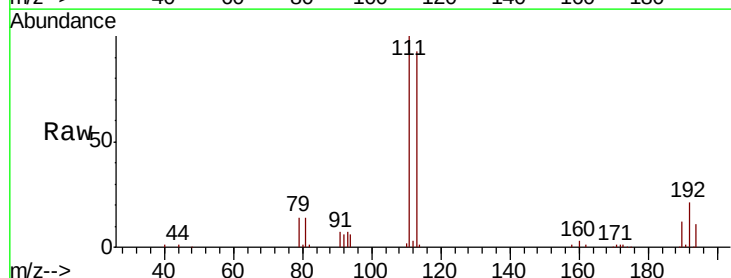


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

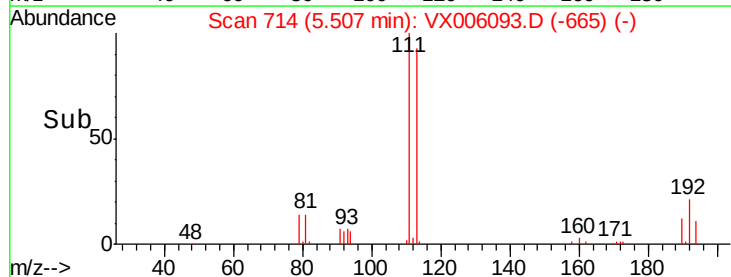
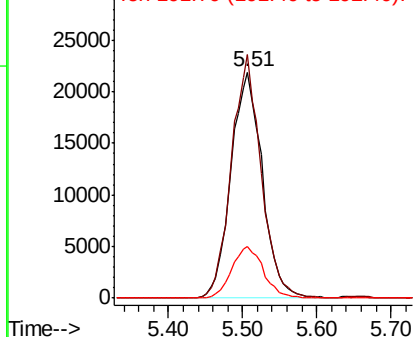


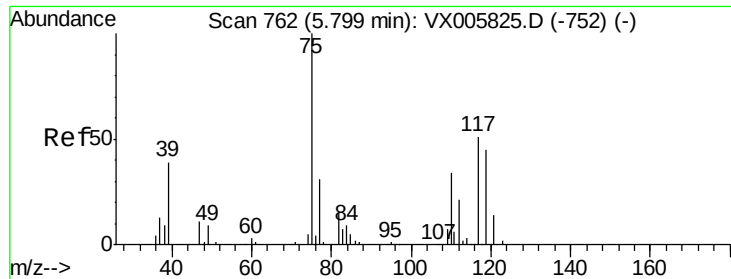
#35
 Dibromofluoromethane
 Concen: 45.083 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VX006093.D
 Acq: 19 Nov 2018 16:07

Tgt Ion:113 Resp: 64571
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.3 123.5
 192 23.2 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

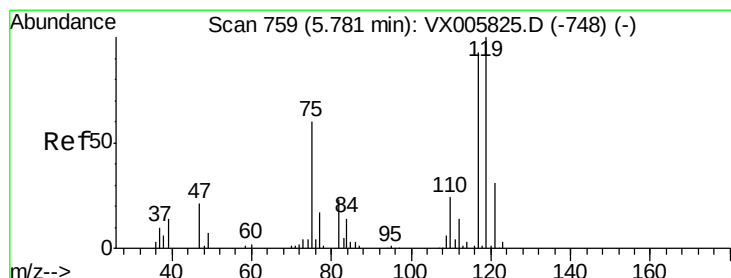
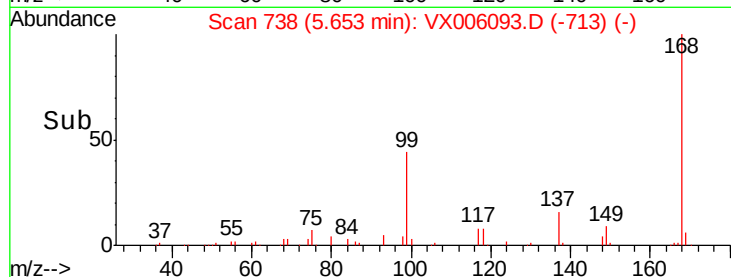
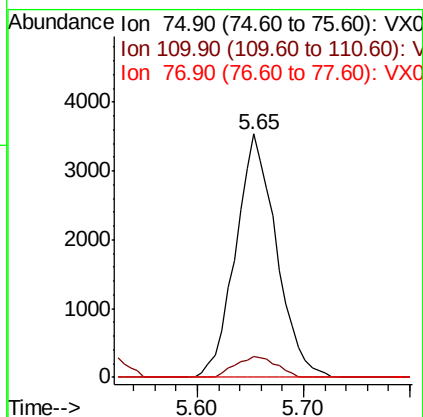
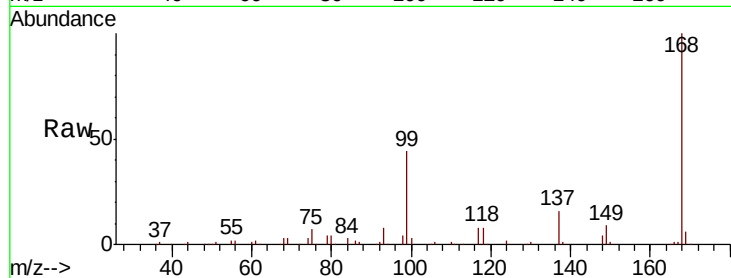




#36
 1,1-Dichloropropene
 Concen: 4.666 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX006093.D
 Acq: 19 Nov 2018 16:07

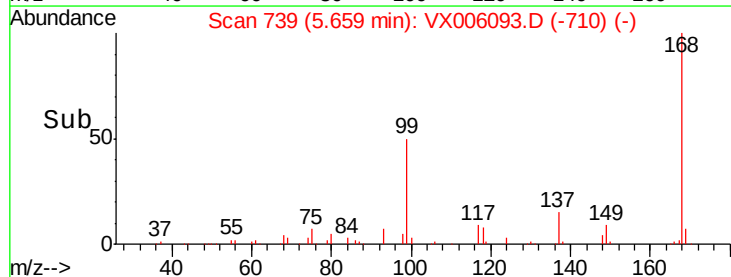
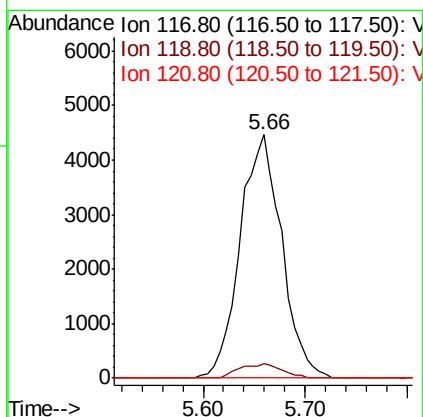
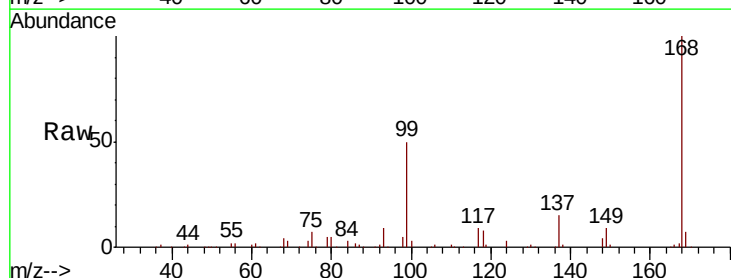
Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-02(21-23)

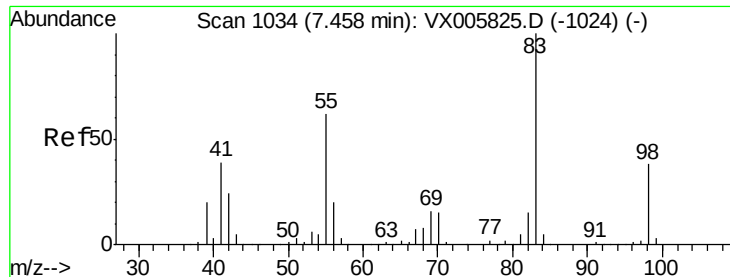
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.4	52.2#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 6.222 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX006093.D
 Acq: 19 Nov 2018 16:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	78.1	117.1#
121	0.0	24.6	36.8#

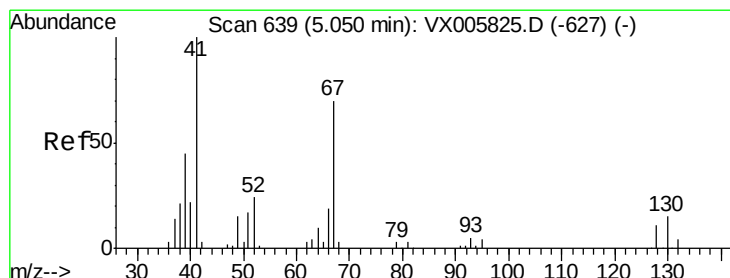
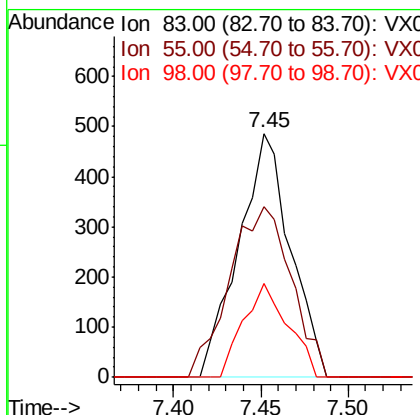
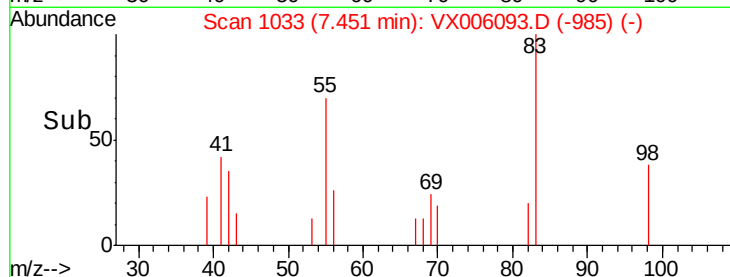
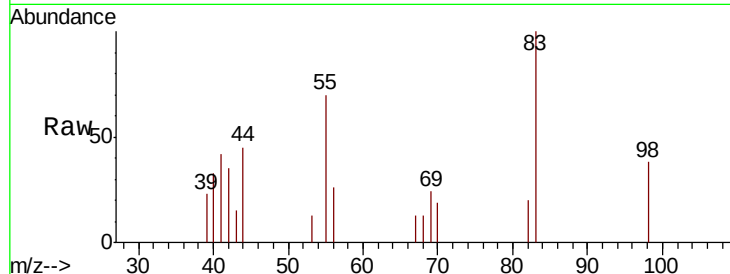




#39
Methylvlcyclohexane
Concen: 0.487 ug/l
RT: 7.45 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VX006093.D
Acq: 19 Nov 2018 16:07

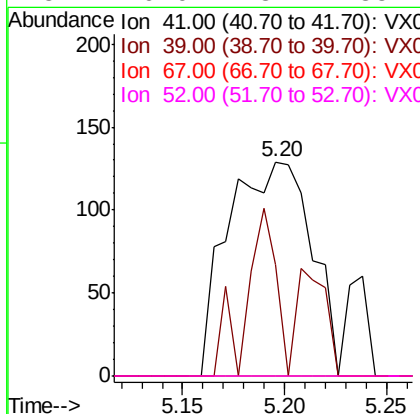
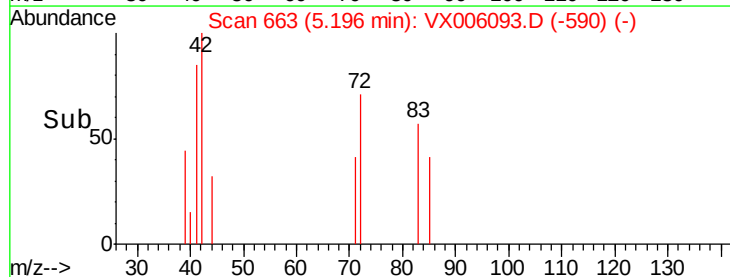
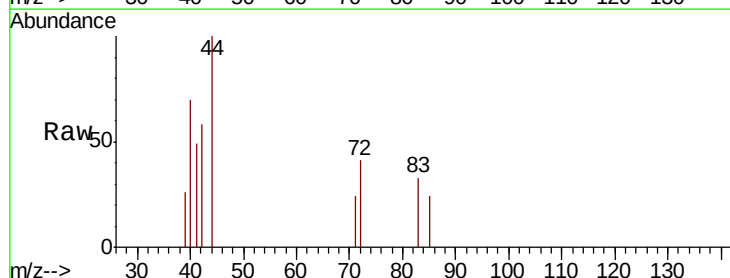
Instrument :
MSVOA_X
ClientSampleId :
FDSB-02(21-23)

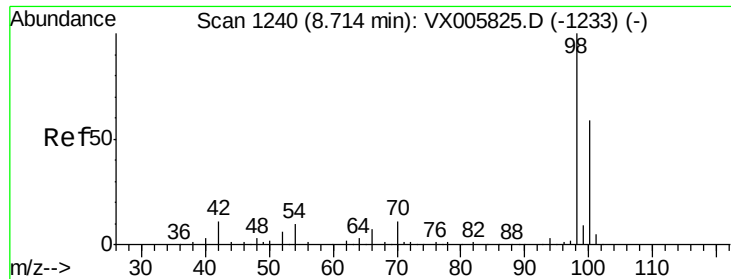
Tot Ion: 83 Resp: 1001
Ion Ratio Lower Upper
83 100
55 69.8 63.7 95.5
98 38.5 36.2 54.2



#41
Methacrylonitrile
Concen: 0.254 ug/l
RT: 5.20 min Scan# 663
Delta R.T. 0.15 min
Lab File: VX006093.D
Acq: 19 Nov 2018 16:07

Tgt Ion: 41 Resp: 367
Ion Ratio Lower Upper
41 100
39 28.3 42.2 63.2#
67 0.0 53.4 80.0#
52 0.0 23.4 35.2#





#50

Toluene-d8

Concen: 46.698 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006093.D

Acq: 19 Nov 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

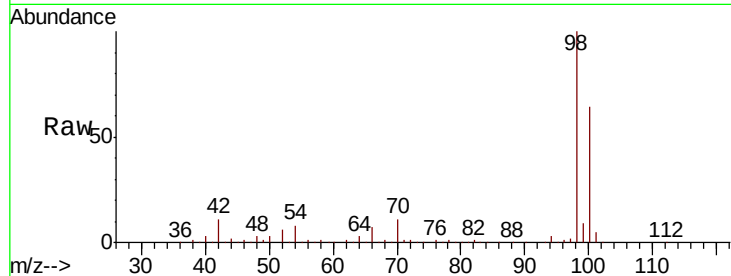
FDSB-02(21-23)

Tot Ion: 98 Resp: 222357

Ion Ratio Lower Upper

98 100

100 63.5 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

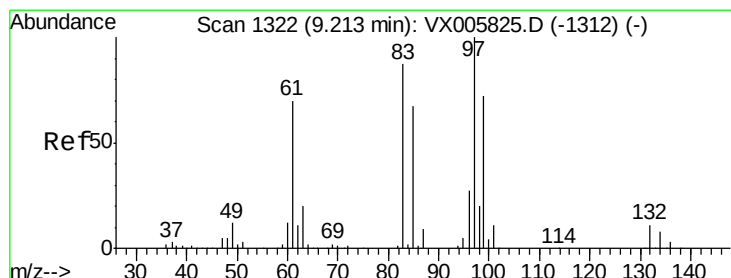
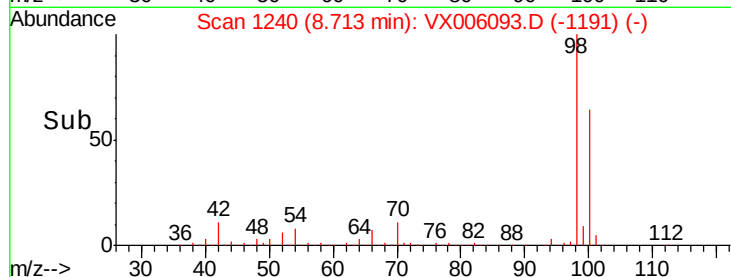
150000

100000

50000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 0.328 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX006093.D

Acq: 19 Nov 2018 16:07

Tgt Ion: 97 Resp: 483

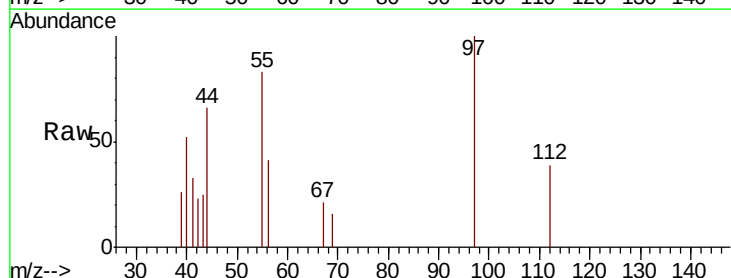
Ion Ratio Lower Upper

97 100

83 0.0 70.7 106.1#

85 0.0 45.8 68.6#

99 0.0 51.8 77.8#



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

400

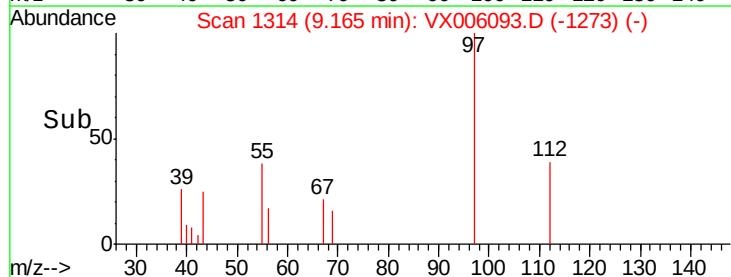
300

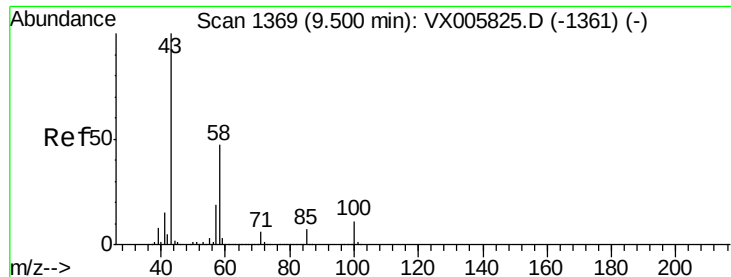
200

100

0

Time-->

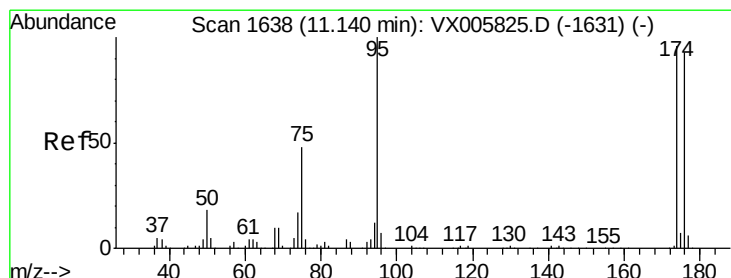
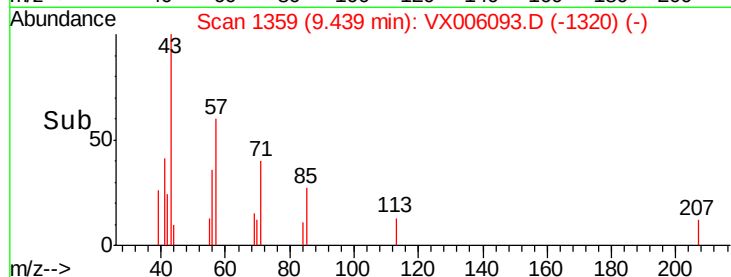
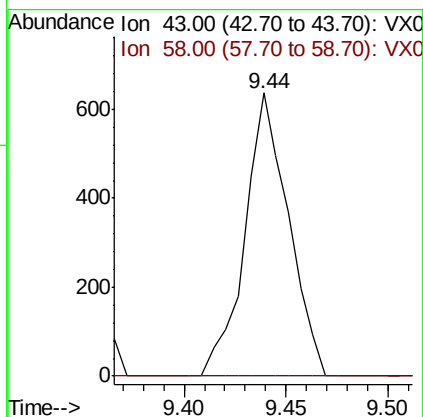
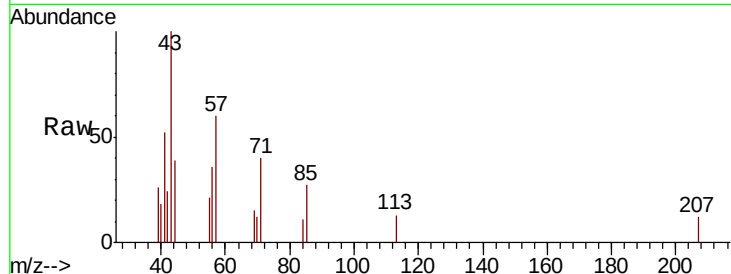




#59
2-Hexanone
Concen: 0.442 ug/l
RT: 9.44 min Scan# 1359
Delta R.T. -0.06 min
Lab File: VX006093.D
Acq: 19 Nov 2018 16:07

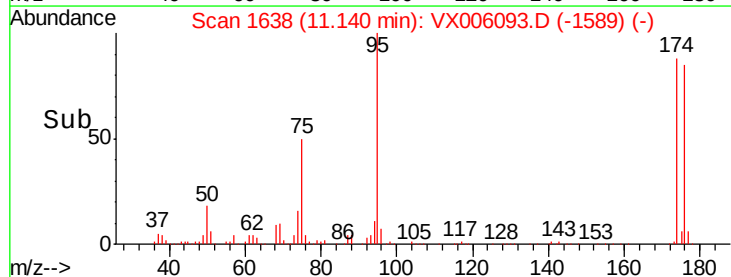
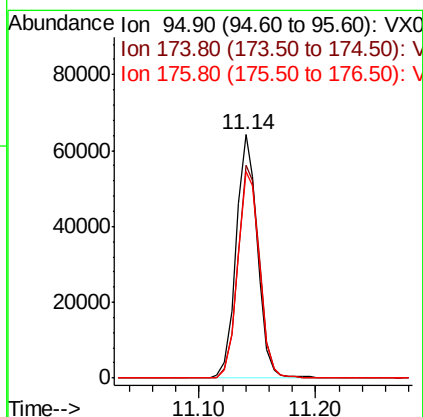
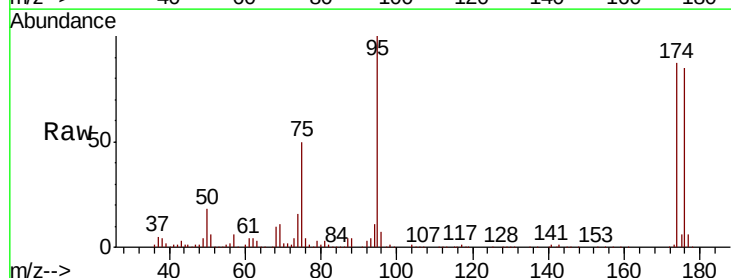
Instrument :
MSVOA_X
ClientSampleId :
FDSB-02(21-23)

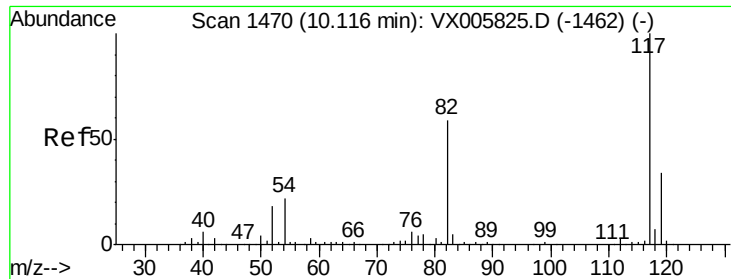
Tot Ion: 43 Resp: 950
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 47.951 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX006093.D
Acq: 19 Nov 2018 16:07

Tgt Ion: 95 Resp: 82092
Ion Ratio Lower Upper
95 100
174 88.8 0.0 184.4
176 86.8 0.0 177.4

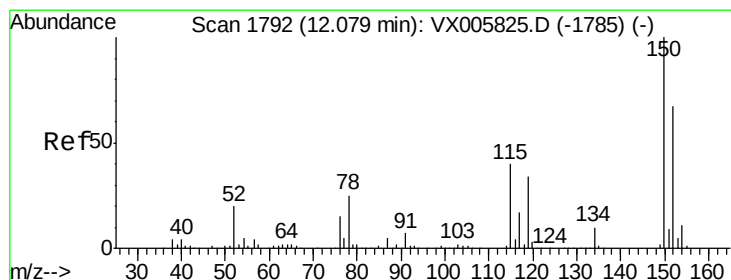
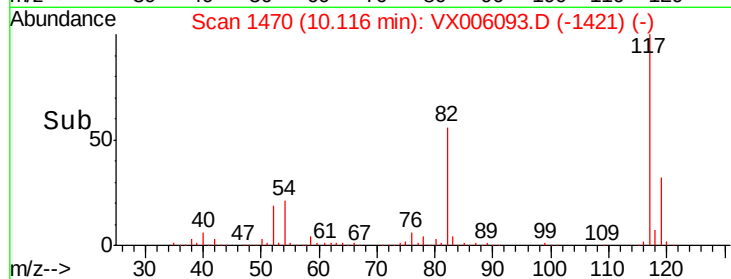
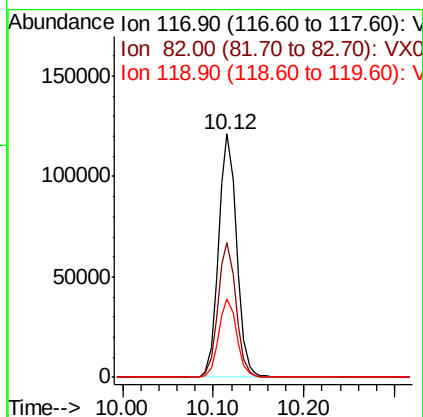
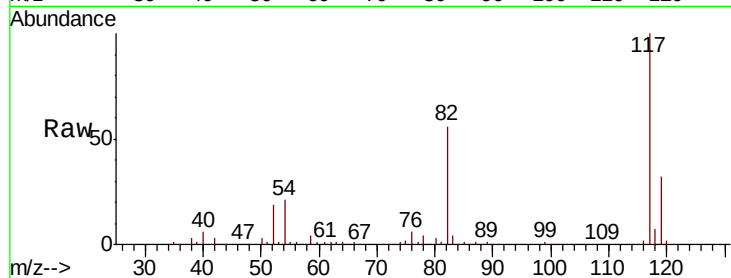




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006093.D
Acq: 19 Nov 2018 16:07

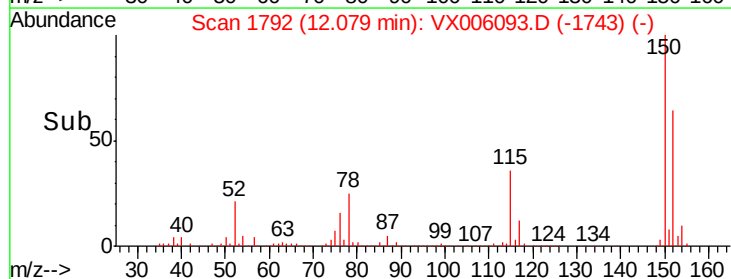
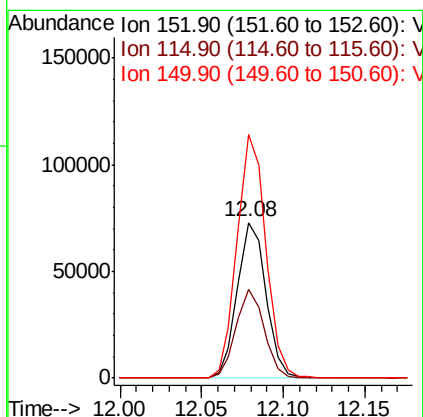
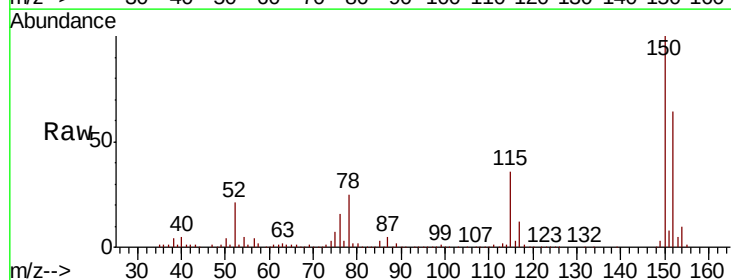
Instrument :
MSVOA_X
ClientSampleId :
FDSB-02(21-23)

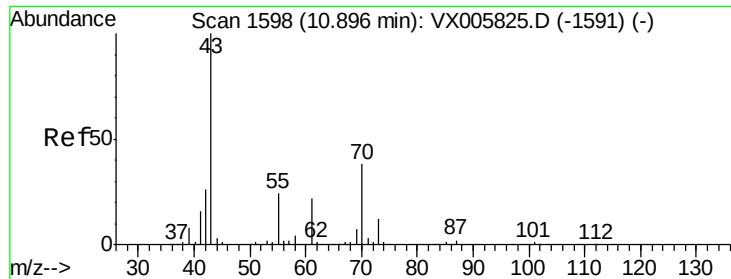
Tot Ion:117 Resp: 169675
Ion Ratio Lower Upper
117 100
82 55.5 44.1 66.1
119 32.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006093.D
Acq: 19 Nov 2018 16:07

Tgt Ion:152 Resp: 89852
Ion Ratio Lower Upper
152 100
115 56.0 39.4 118.1
150 157.0 0.0 346.4





#74

N-amvl acetate

Concen: 1.576 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX006093.D

Acq: 19 Nov 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

FDSB-02(21-23)

Tot Ion: 43 Resp: 973

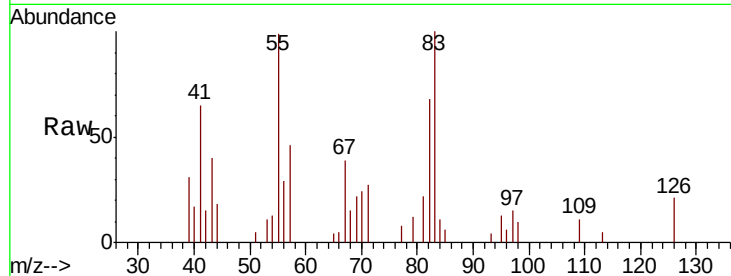
Ion Ratio Lower Upper

43 100

70 92.8 31.6 47.4#

55 257.2 19.7 29.5#

61 0.0 18.3 27.5#

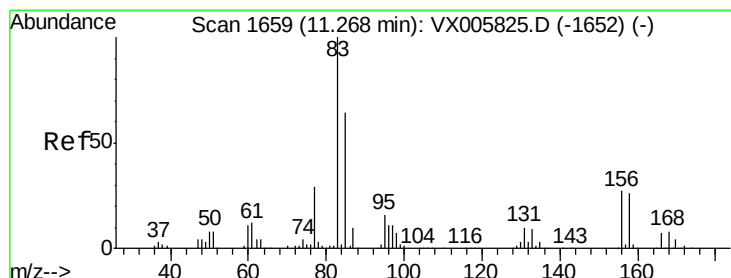
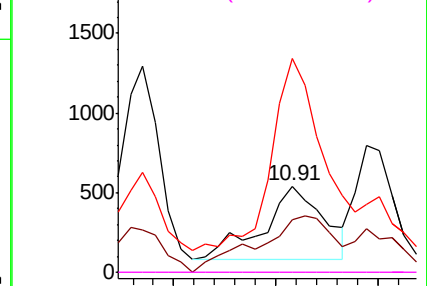
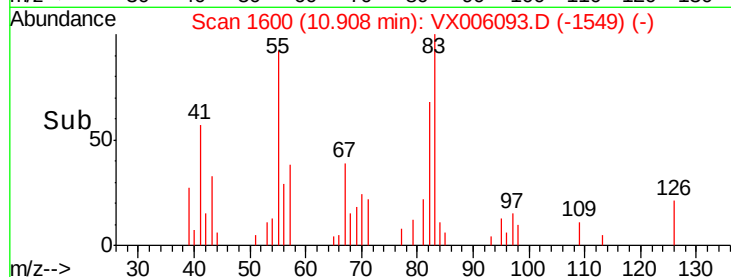


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 0.435 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX006093.D

Acq: 19 Nov 2018 16:07

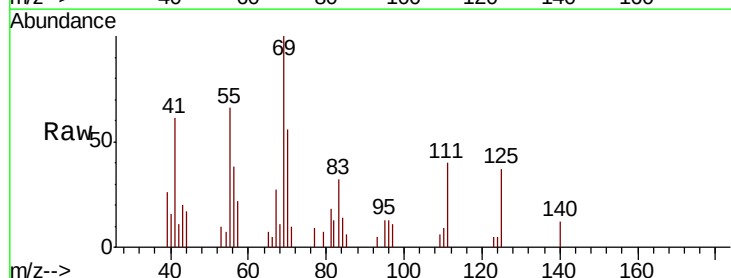
Tgt Ion: 83 Resp: 830

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

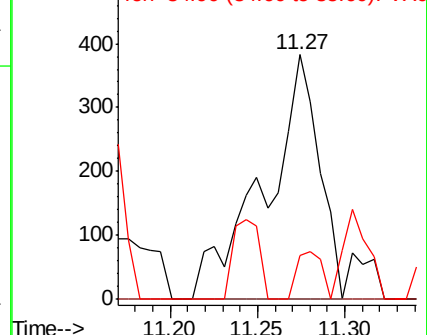
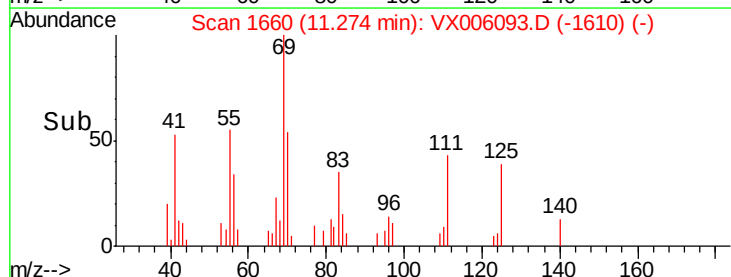
85 8.9 32.0 96.2#

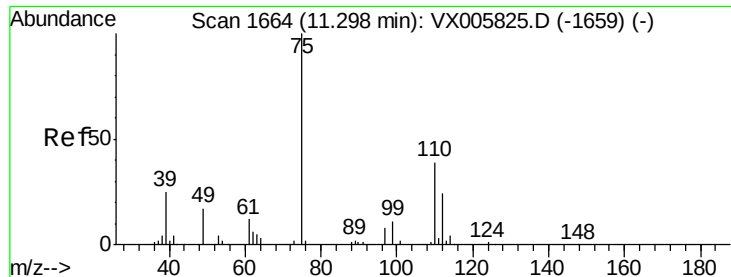


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

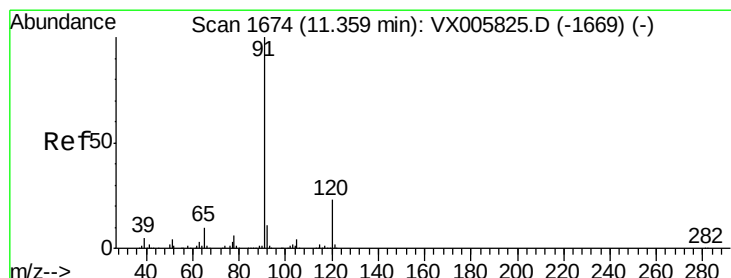
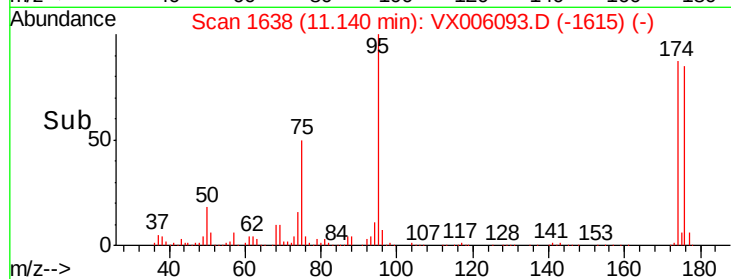
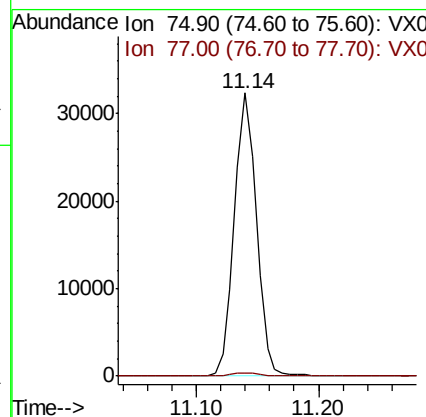
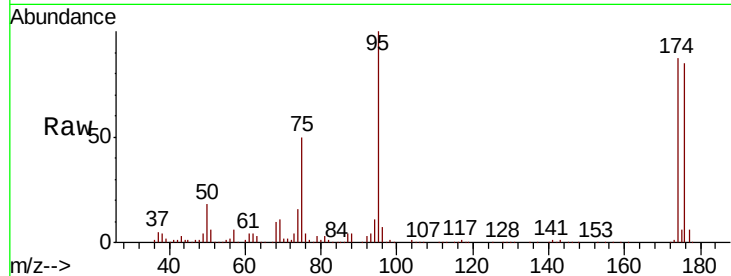




#76
 1,2,3-Trichloropropane
 Concen: 22.132 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX006093.D
 Acq: 19 Nov 2018 16:07

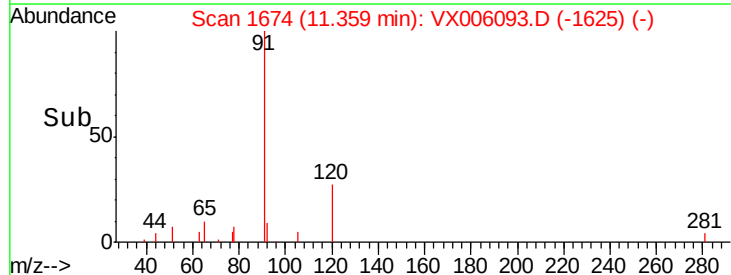
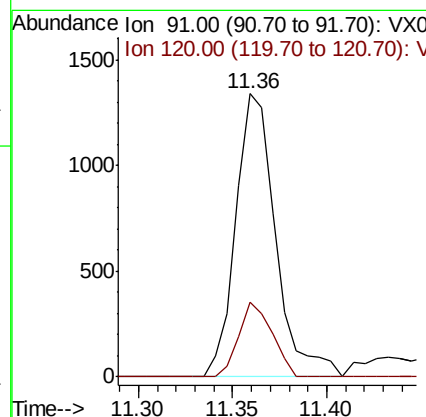
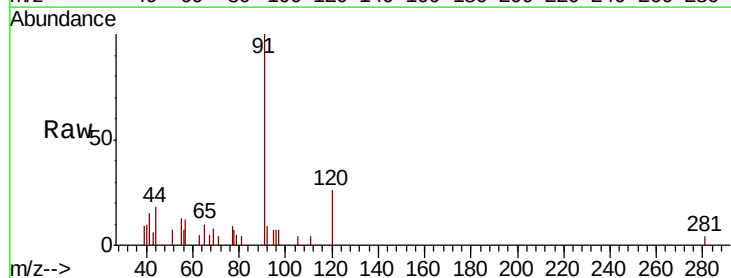
Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-02(21-23)

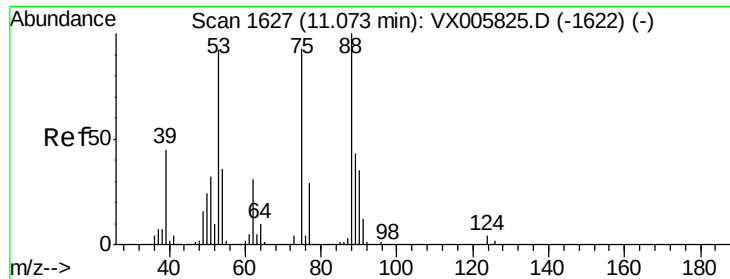
Tot Ion: 75 Resp: 40493
 Ion Ratio Lower Upper
 75 100
 77 1.6 20.5 61.6#



#78
 n-propylbenzene
 Concen: 0.322 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VX006093.D
 Acq: 19 Nov 2018 16:07

Tgt Ion: 91 Resp: 1971
 Ion Ratio Lower Upper
 91 100
 120 22.0 11.9 35.5

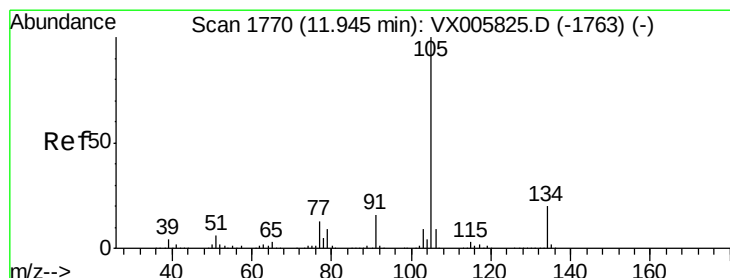
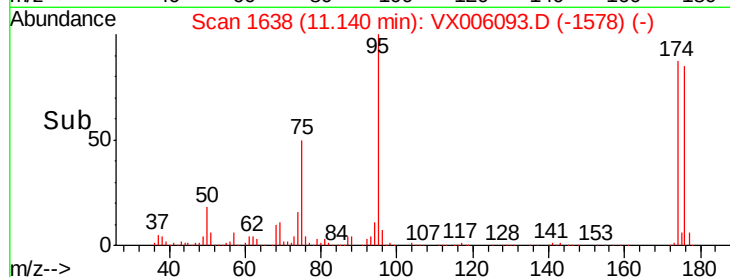
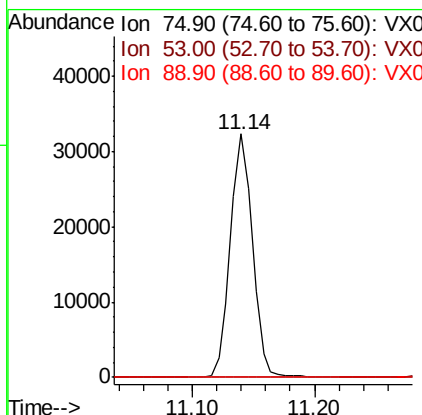
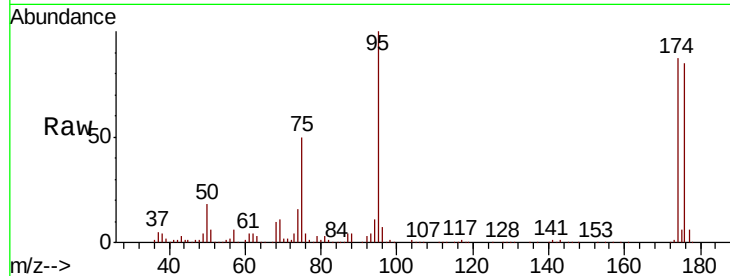




#81
trans-1,4-Dichloro-2-butene
Concen: 70.539 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.07 min
Lab File: VX006093.D
Acq: 19 Nov 2018 16:07

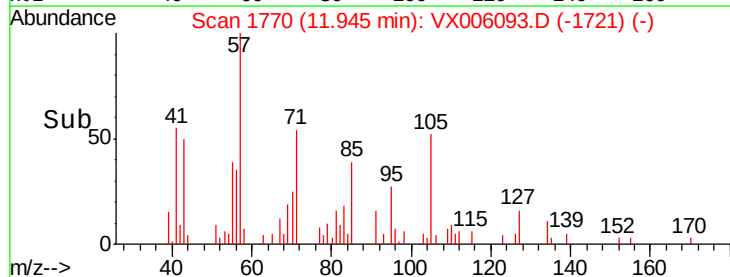
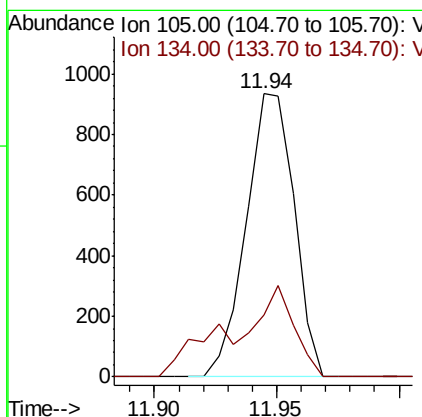
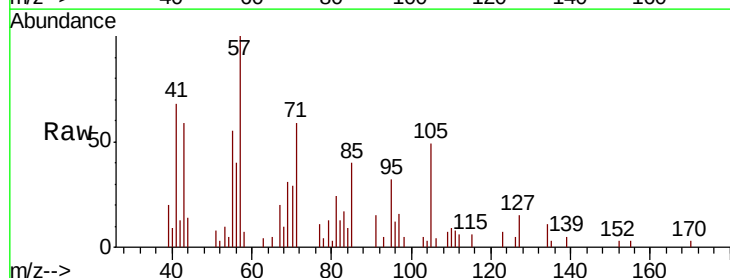
Instrument :
MSVOA_X
ClientSampleId :
FDSB-02(21-23)

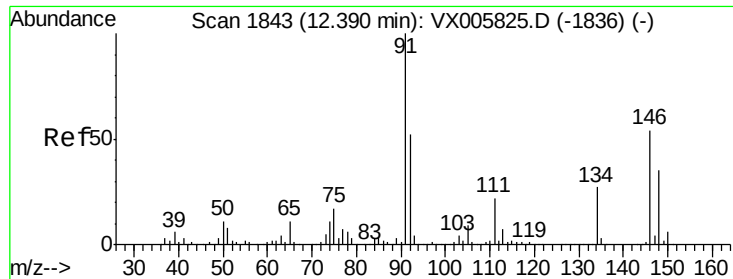
Tot Ion: 75 Resp: 40493
Ion Ratio Lower Upper
75 100
53 0.6 80.2 120.2#
89 0.0 39.8 59.8#



#85
sec-Butylbenzene
Concen: 0.234 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX006093.D
Acq: 19 Nov 2018 16:07

Tgt Ion: 105 Resp: 1280
Ion Ratio Lower Upper
105 100
134 25.5 10.2 30.4





#89

n-Butylbenzene

Concen: 0.580 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006093.D

Acq: 19 Nov 2018 16:07

Instrument :

MSVOA_X

ClientSampled :

FDSB-02(21-23)

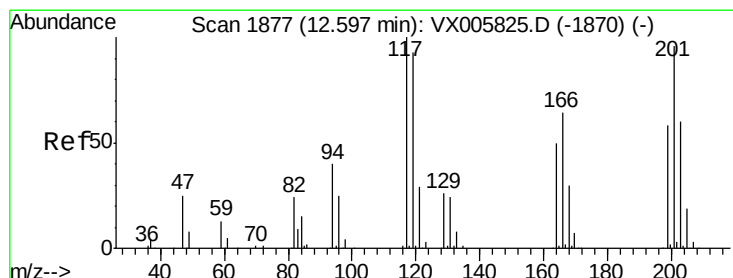
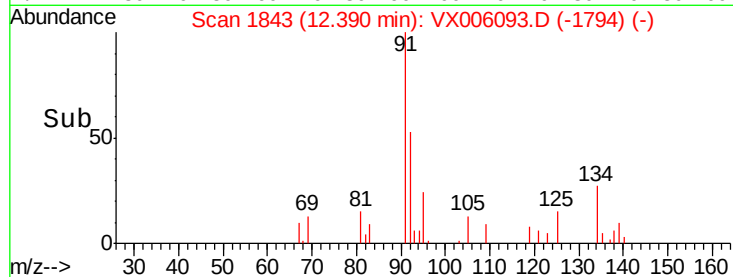
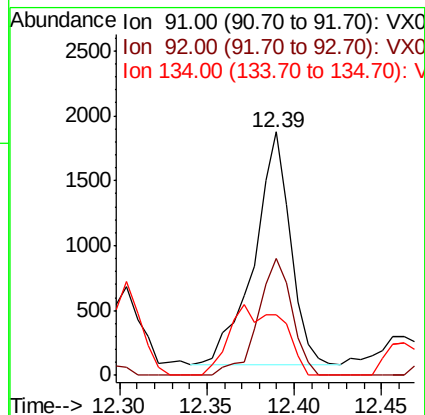
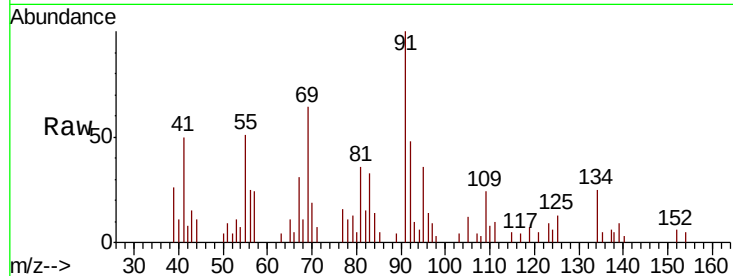
Tot Ion: 91 Resp: 2599

Ion Ratio Lower Upper

91 100

92 46.7 26.1 78.2

134 43.9 13.1 39.3#



#90

Hexachloroethane

Concen: 0.223 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX006093.D

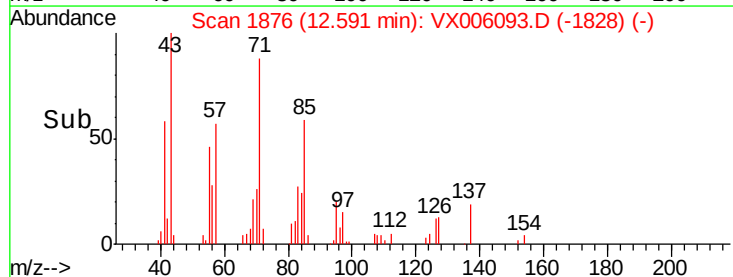
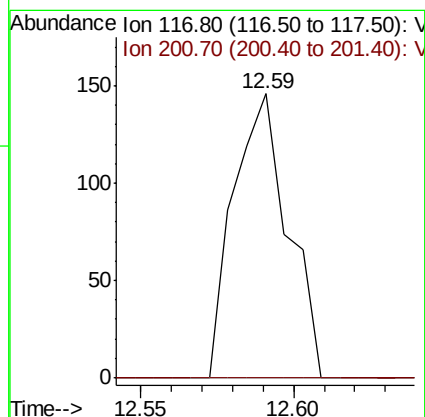
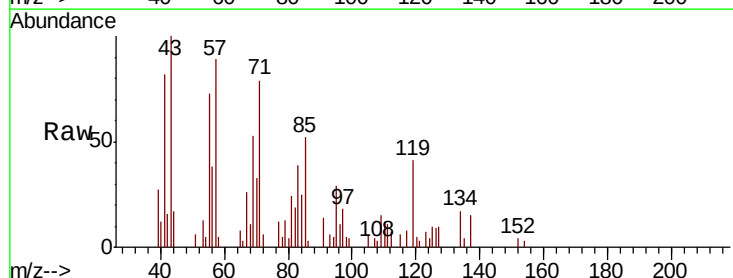
Acq: 19 Nov 2018 16:07

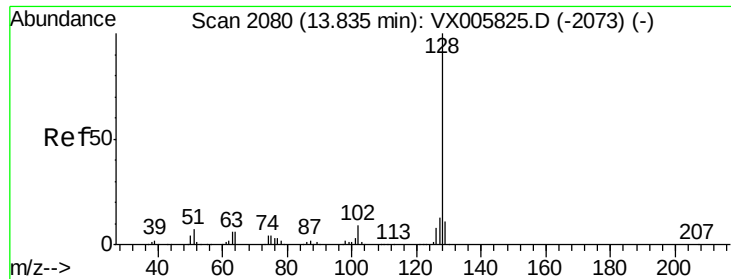
Tgt Ion: 117 Resp: 180

Ion Ratio Lower Upper

117 100

201 0.0 47.9 143.6#

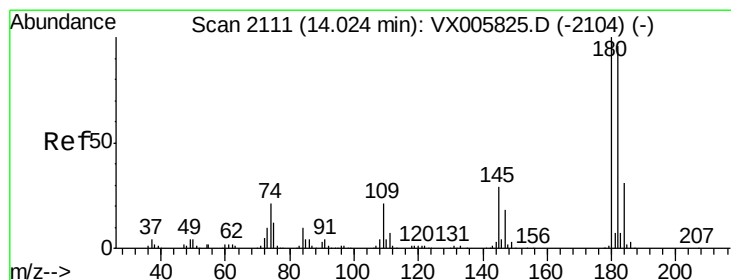
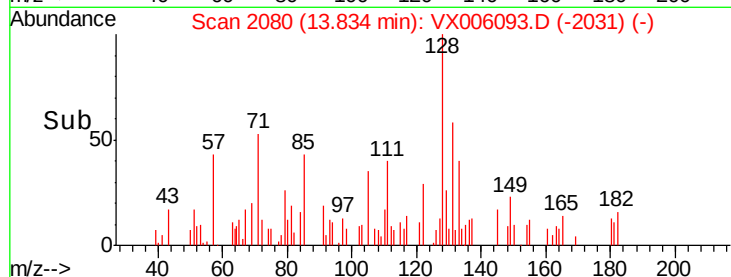
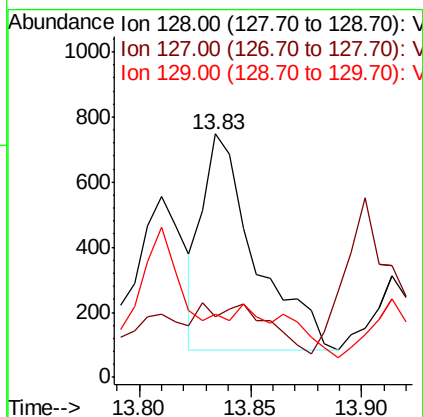
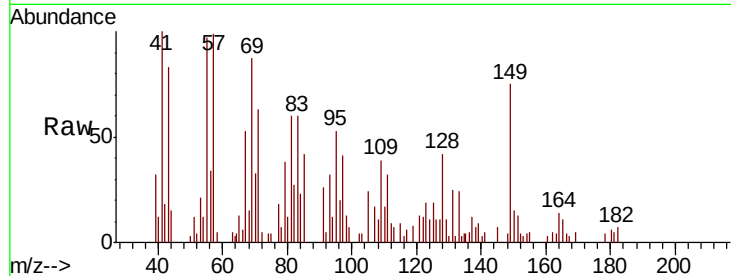




#95
Naphthalene
Concen: 1.343 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006093.D
Acq: 19 Nov 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
FDSB-02(21-23)

Tot Ion:128 Resp: 1093
Ion Ratio Lower Upper
128 100
127 29.2 10.4 15.6#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.210 ug/l
RT: 14.03 min Scan# 2112
Delta R.T. 0.01 min
Lab File: VX006093.D
Acq: 19 Nov 2018 16:07

Tgt Ion:180 Resp: 425
Ion Ratio Lower Upper
180 100
182 33.4 48.0 144.2#
145 592.5 15.1 45.3#

