

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092618\
 Data File : VX004745.D
 Acq On : 27 Sep 2018 01:31
 Operator : JC/MD
 Sample : J5029-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-092018-02

Quant Time: Sep 27 05:21:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

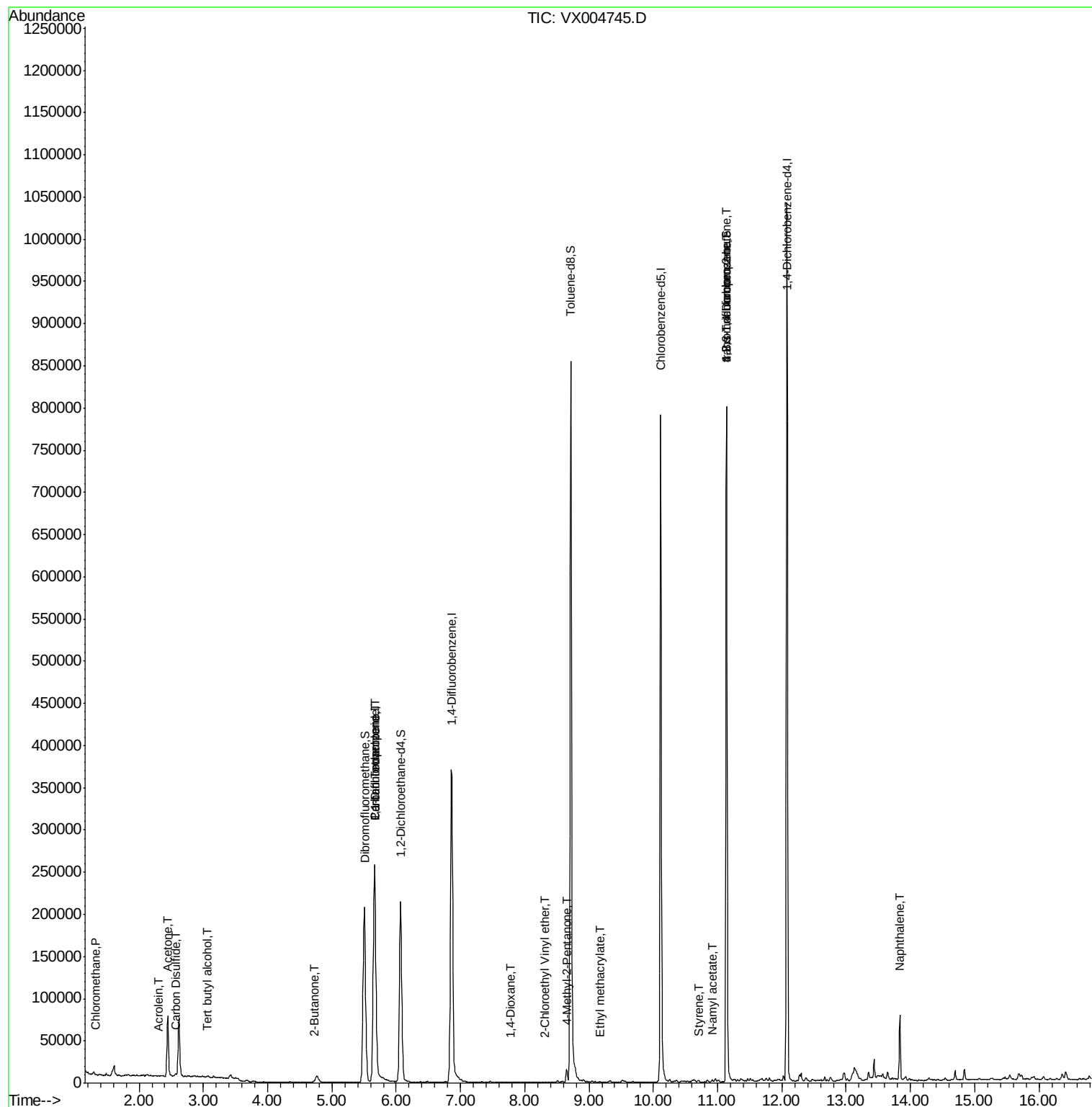
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	270047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	391897	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	381533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	216793	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	204976	53.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.28%	
35) Dibromofluoromethane	5.50	113	175592	52.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.74%	
50) Toluene-d8	8.71	98	567839	51.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.86%	
62) 4-Bromofluorobenzene	11.14	95	208310	52.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.74%	
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	987	0.221	ug/l #	85
6) Chloroethane	1.80	64	3723	Below Cal	#	65
11) Tert butyl alcohol	3.07	59	2558	2.372	ug/l #	75
13) Acrolein	2.31	56	241	0.314	ug/l #	16
16) Acetone	2.45	43	75376	33.468	ug/l	97
17) Carbon Disulfide	2.57	76	3703	0.421	ug/l #	92
20) Methylene Chloride	2.86	84	527	Below Cal	#	78
25) 2-Butanone	4.72	43	1150	0.346	ug/l #	86
36) 1,1-Dichloropropene	5.67	75	18821	4.153	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24087	5.057	ug/l #	15
49) 1,4-Dioxane	7.78	88	46	0.470	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	9478	1.734	ug/l	92
56) Ethyl methacrylate	9.16	69	90	2.877	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.31	63	22	14.249	ug/l #	45
70) Styrene	10.71	104	274	2.166	ug/l #	32
74) N-amyl acetate	10.91	43	353	1.793	ug/l #	46
76) 1,2,3-Trichloropropane	11.14	75	102312	21.056	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	1210	Below Cal		87
81) trans-1,4-Dichloro-2-buten	11.14	75	102312	57.132	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	1640	Below Cal		91
95) Naphthalene	13.83	128	47020	3.289	ug/l	99

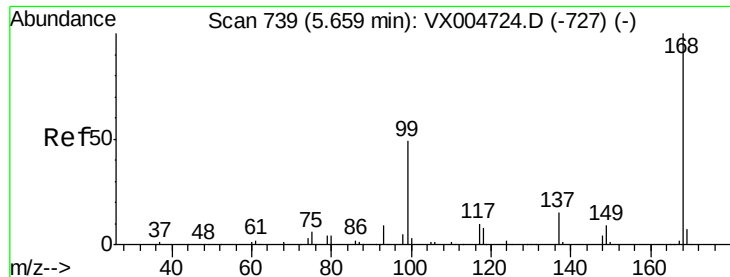
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004745.D

Acq: 27 Sep 2018 01:31

Instrument :

MSVOA_X

ClientSampleId :

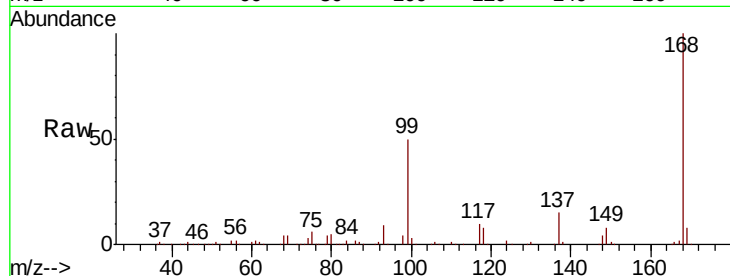
FB-092018-02

Tot Ion:168 Resp: 270047

Ion Ratio Lower Upper

168 100

99 49.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

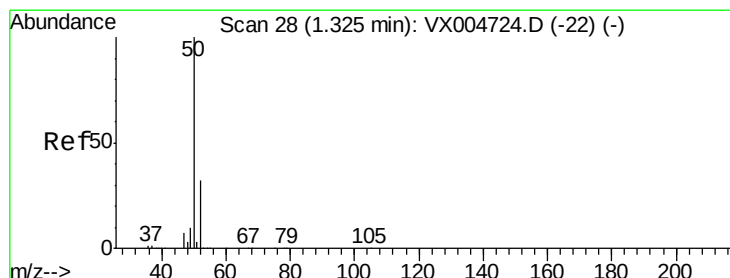
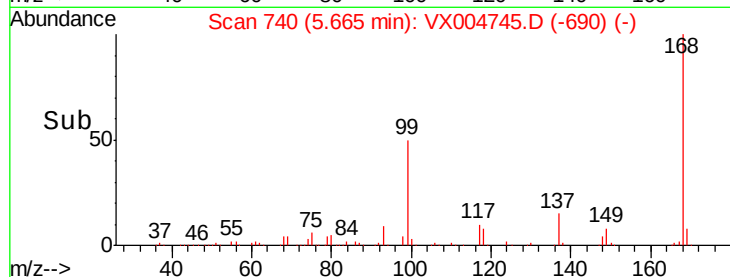
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.221 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004745.D

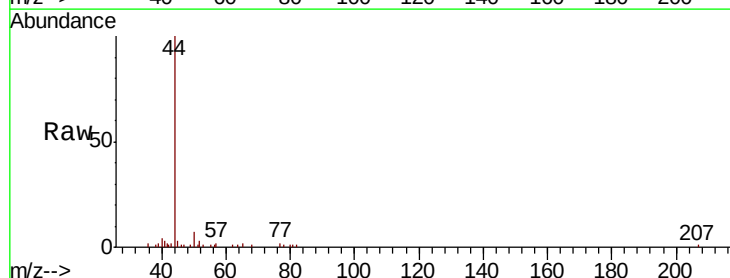
Acq: 27 Sep 2018 01:31

Tgt Ion: 50 Resp: 987

Ion Ratio Lower Upper

50 100

52 41.0 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

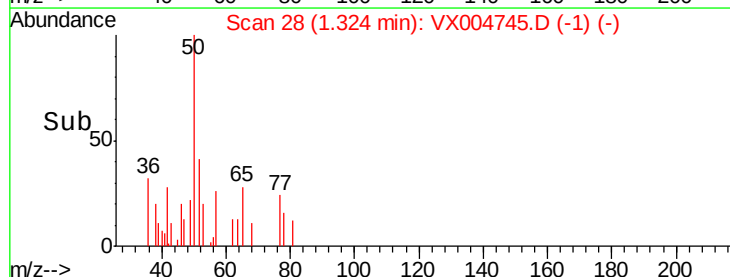
300

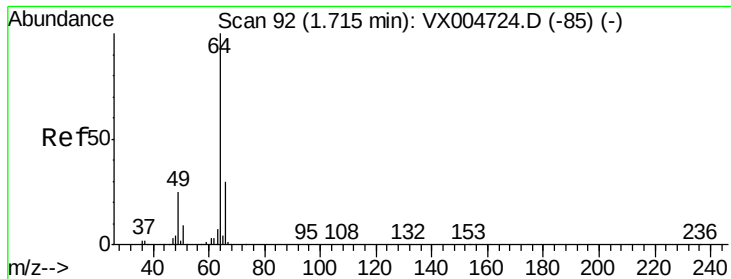
200

100

0

Time--> 1.25 1.30 1.35 1.40





#6

Chloroethane

Concen: Below Cal

RT: 1.80 min Scan# 106

Delta R.T. 0.09 min

Lab File: VX004745.D

Acq: 27 Sep 2018 01:31

Instrument :

MSVOA_X

ClientSampleId :

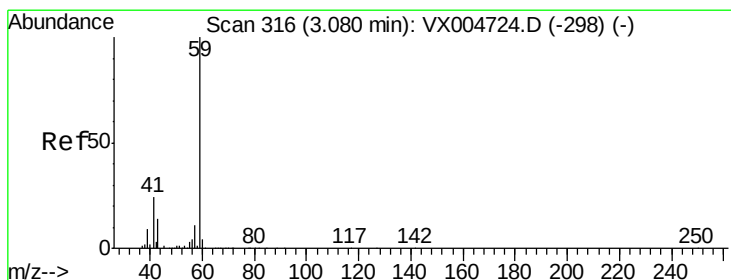
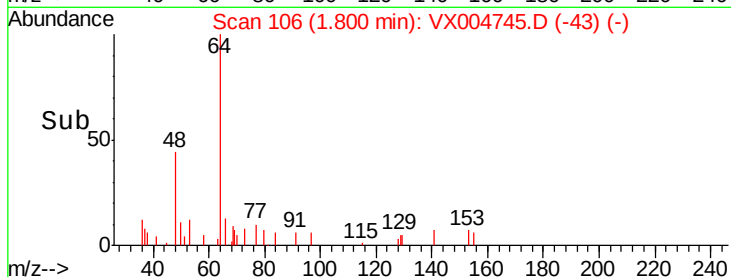
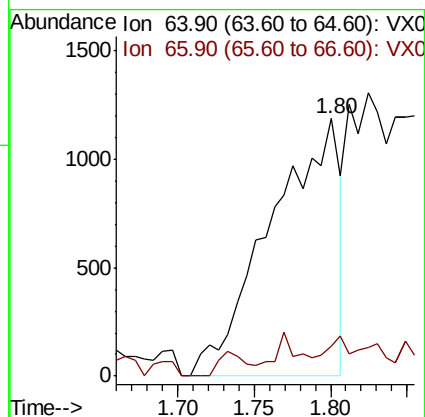
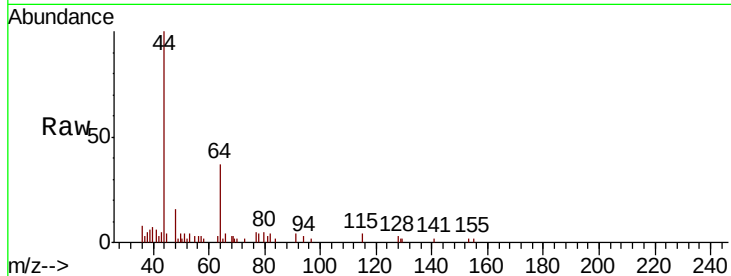
FB-092018-02

Tot Ion: 64 Resp: 3723

Ion Ratio Lower Upper

64 100

66 11.4 24.6 36.8#



#11

Tert butyl alcohol

Concen: 2.372 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX004745.D

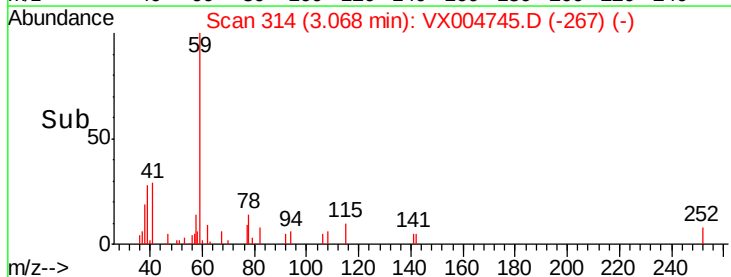
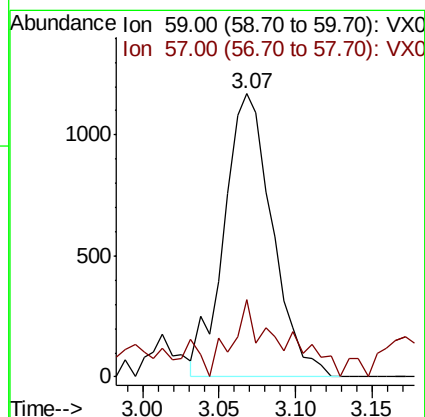
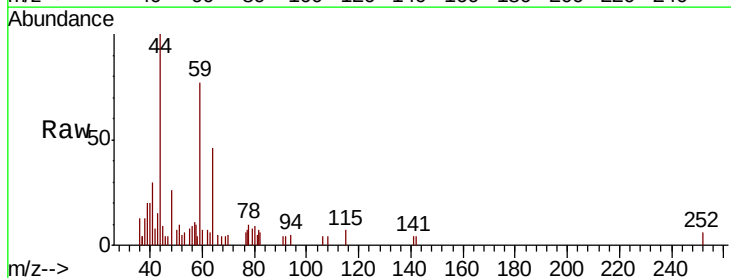
Acq: 27 Sep 2018 01:31

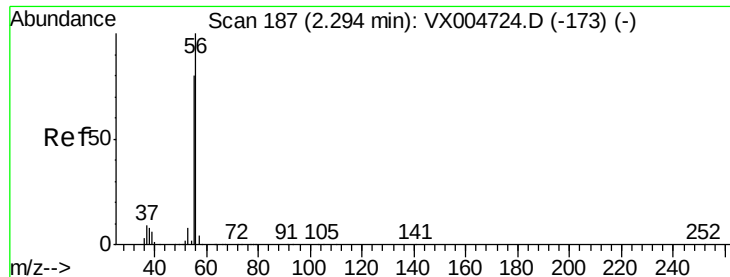
Tgt Ion: 59 Resp: 2558

Ion Ratio Lower Upper

59 100

57 19.5 8.2 12.4#

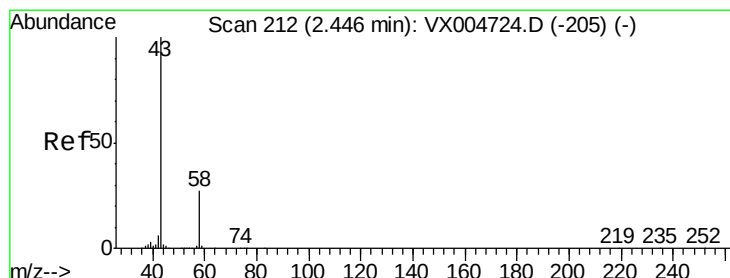
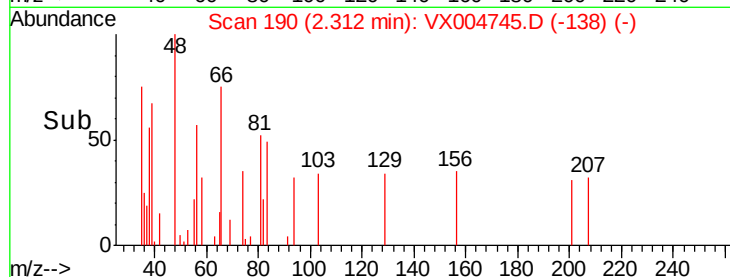
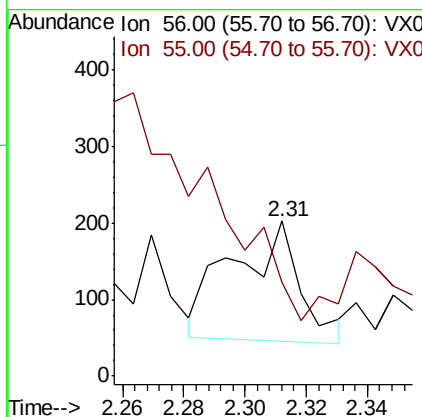
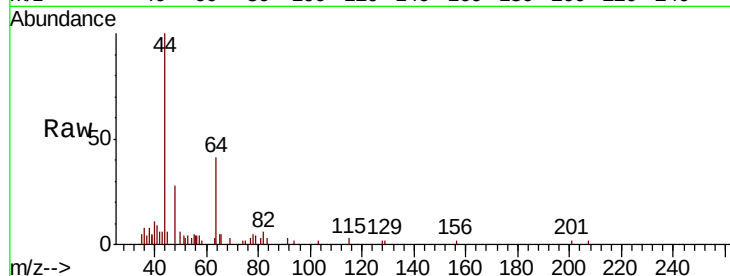




#13
Acrolein
Concen: 0.314 ug/l
RT: 2.31 min Scan# 190
Delta R.T. 0.02 min
Lab File: VX004745.D
Acq: 27 Sep 2018 01:31

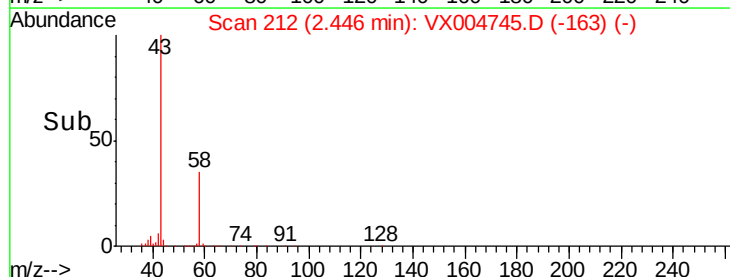
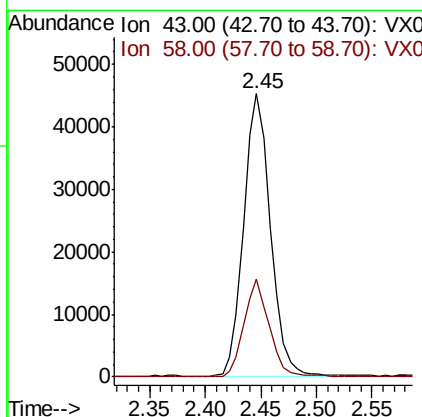
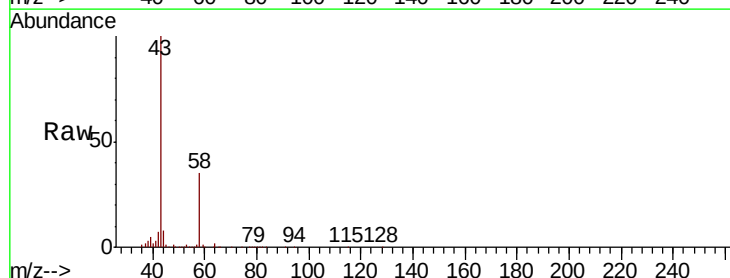
Instrument :
MSVOA_X
ClientSampled :
FB-092018-02

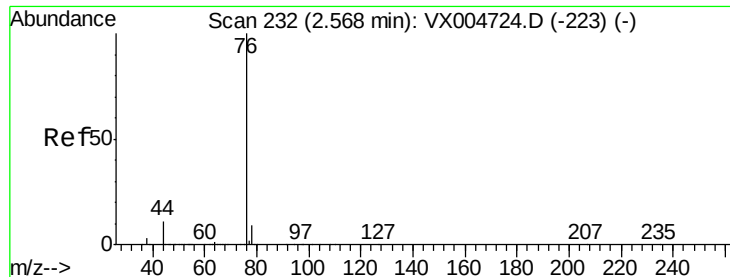
Tot Ion: 56 Resp: 241
Ion Ratio Lower Upper
56 100
55 0.0 54.7 82.1#



#16
Acetone
Concen: 33.468 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX004745.D
Acq: 27 Sep 2018 01:31

Tgt Ion: 43 Resp: 75376
Ion Ratio Lower Upper
43 100
58 34.7 26.2 39.4





#17

Carbon Disulfide

Concen: 0.421 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004745.D

Acq: 27 Sep 2018 01:31

Instrument :

MSVOA_X

ClientSampleId :

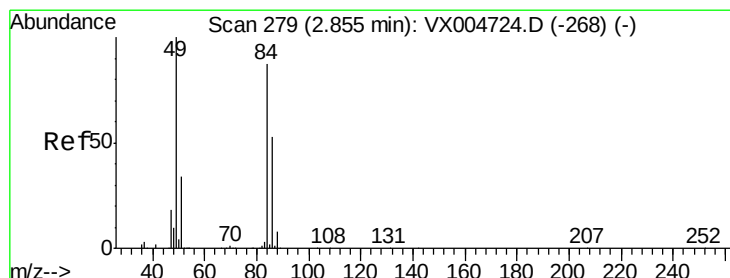
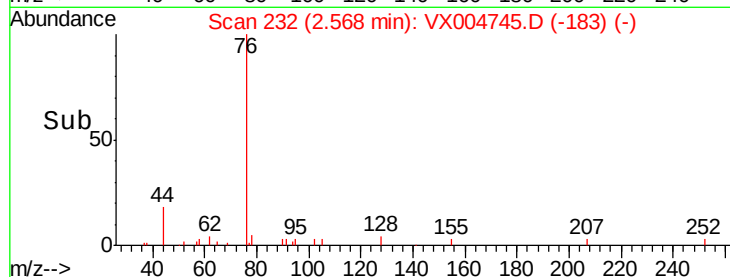
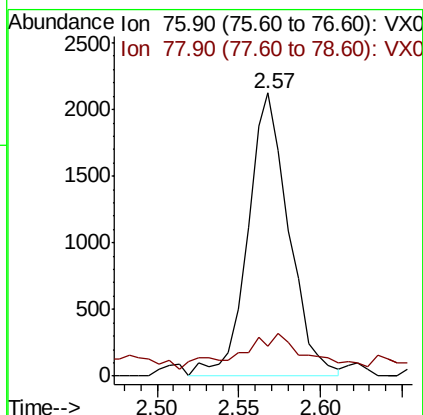
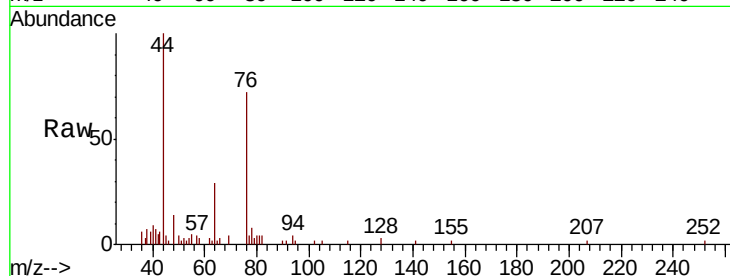
FB-092018-02

Tot Ion: 76 Resp: 3703

Ion Ratio Lower Upper

76 100

78 5.9 7.0 10.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004745.D

Acq: 27 Sep 2018 01:31

Tgt Ion: 84 Resp: 527

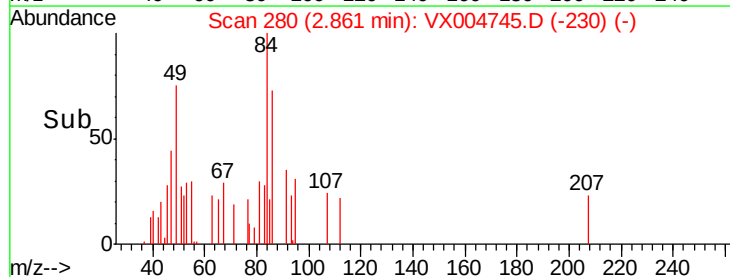
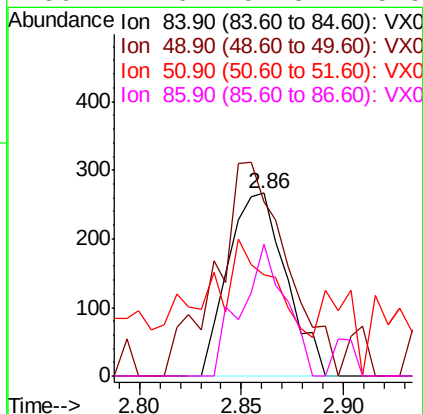
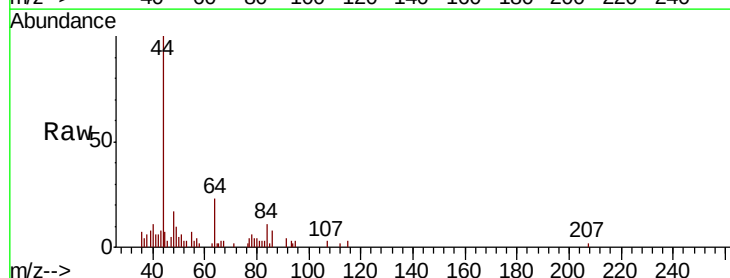
Ion Ratio Lower Upper

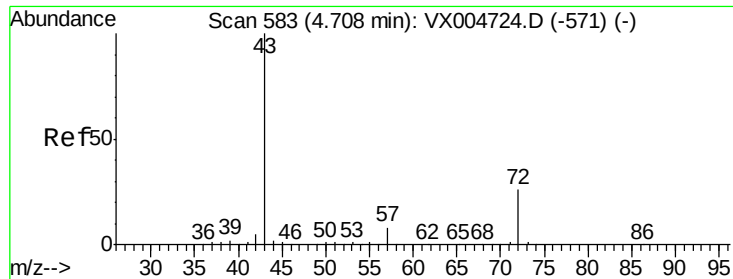
84 100

49 95.1 101.2 151.8#

51 19.5 29.5 44.3#

86 72.6 52.3 78.5

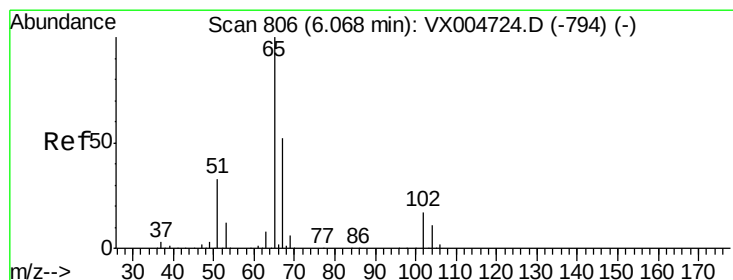
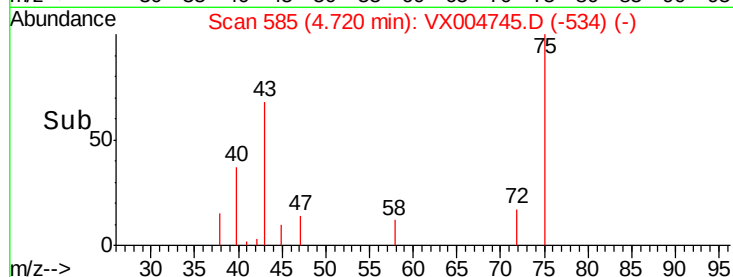
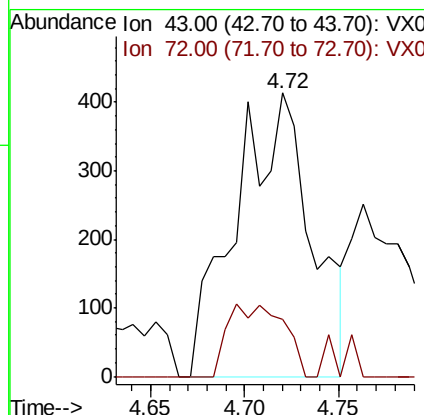
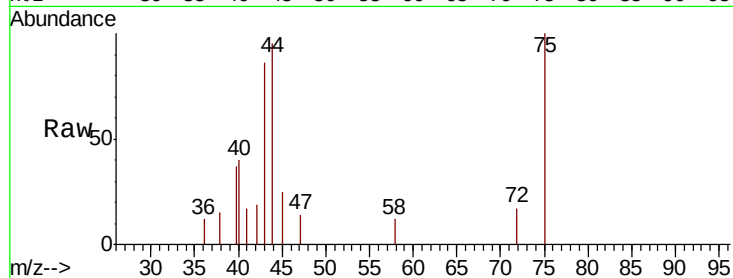




#25
 2-Butanone
 Concen: 0.346 ug/l
 RT: 4.72 min Scan# 585
 Delta R.T. 0.01 min
 Lab File: VX004745.D
 Acq: 27 Sep 2018 01:31

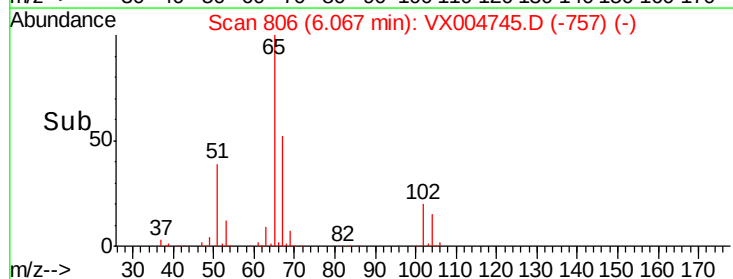
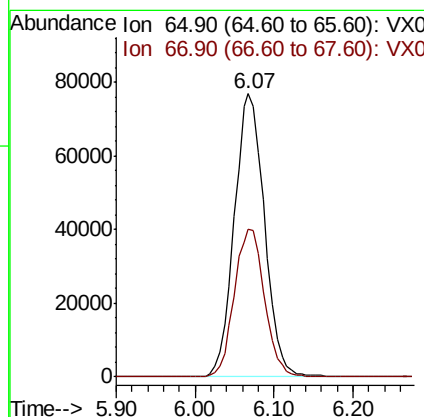
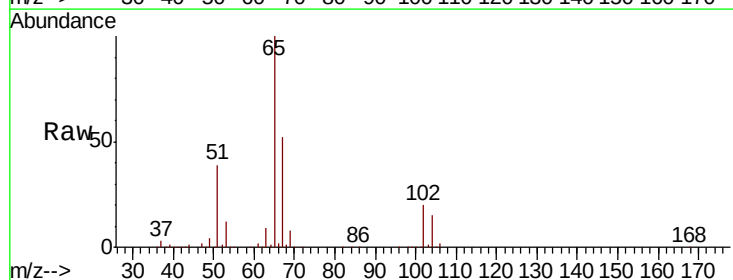
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-092018-02

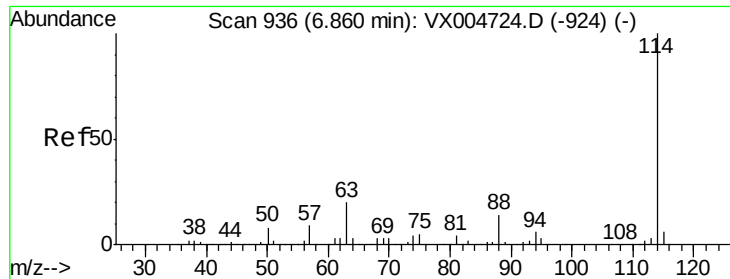
Tot Ion: 43 Resp: 1150
 Ion Ratio Lower Upper
 43 100
 72 20.1 22.0 33.0#



#33
 1,2-Dichloroethane-d4
 Concen: 53.135 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004745.D
 Acq: 27 Sep 2018 01:31

Tgt Ion: 65 Resp: 204976
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.8

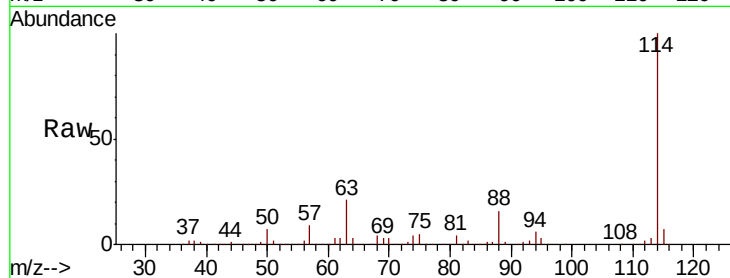




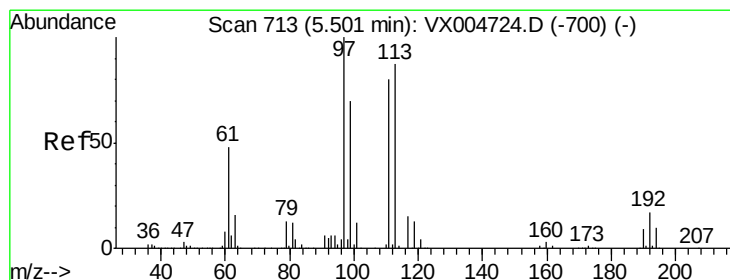
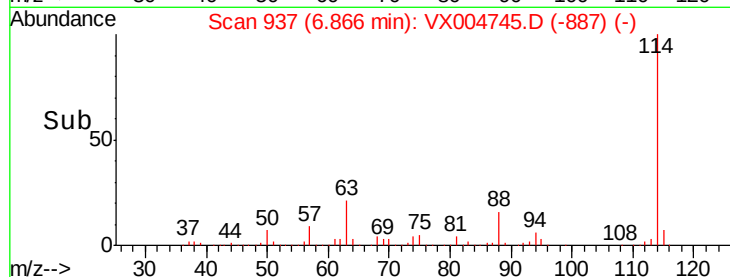
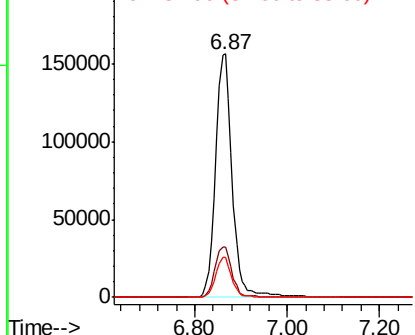
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. 0.01 min
Lab File: VX004745.D
Acq: 27 Sep 2018 01:31

Instrument :
MSVOA_X
ClientSampleId :
FB-092018-02

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.0
88	16.5	0.0	30.4

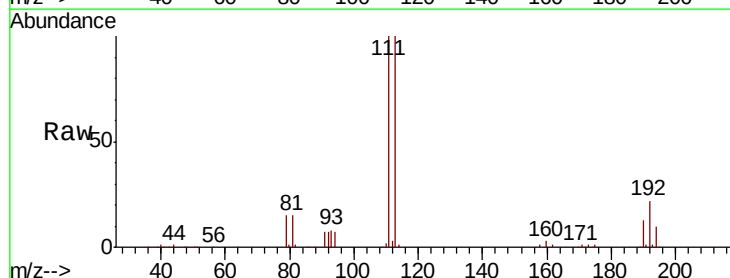


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

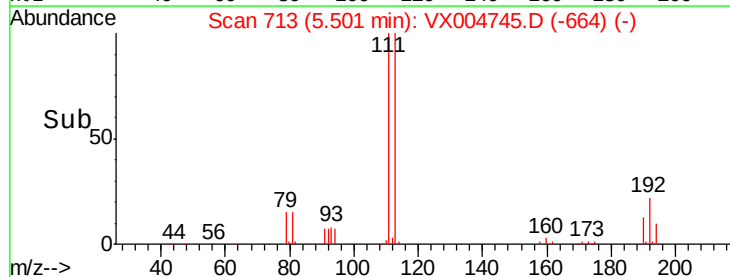
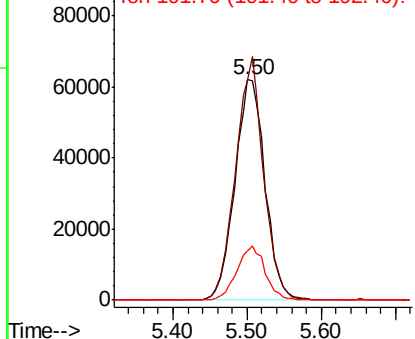


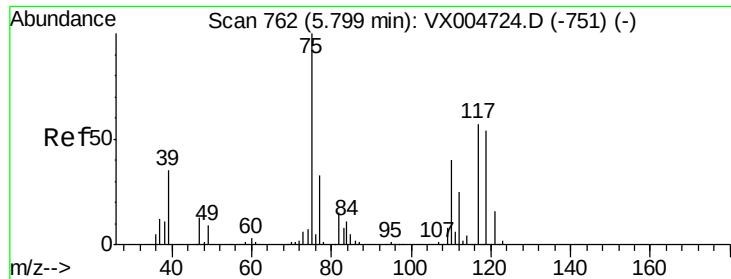
#35
Dibromofluoromethane
Concen: 52.867 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX004745.D
Acq: 27 Sep 2018 01:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.4	123.6
192	23.2	19.4	29.2



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

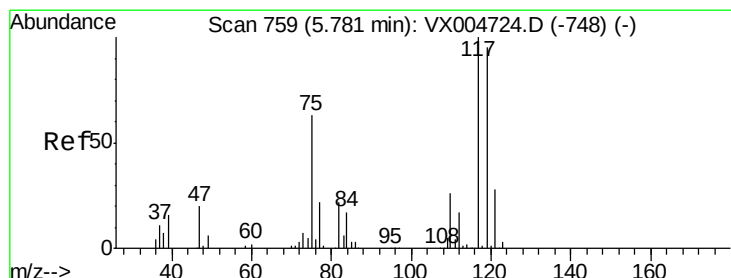
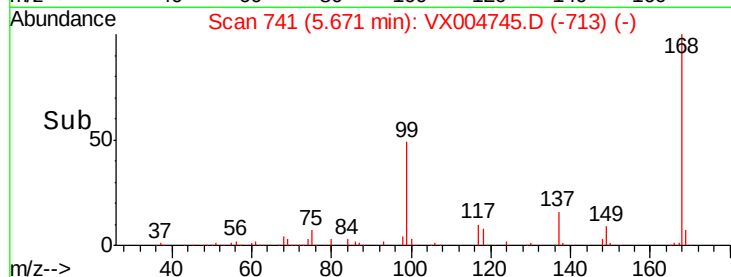
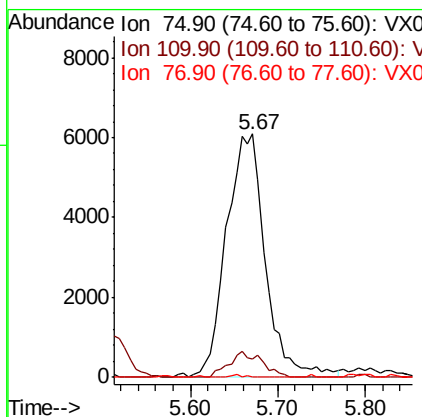
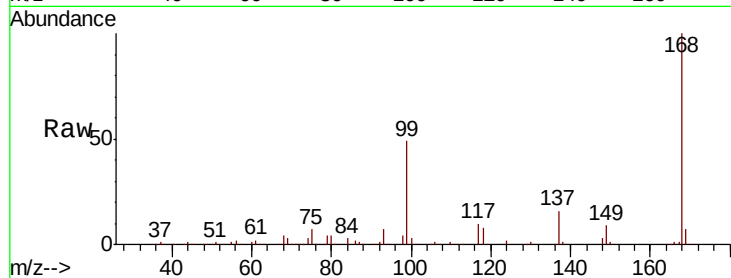




#36
 1,1-Dichloropropene
 Concen: 4.153 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.13 min
 Lab File: VX004745.D
 Acq: 27 Sep 2018 01:31

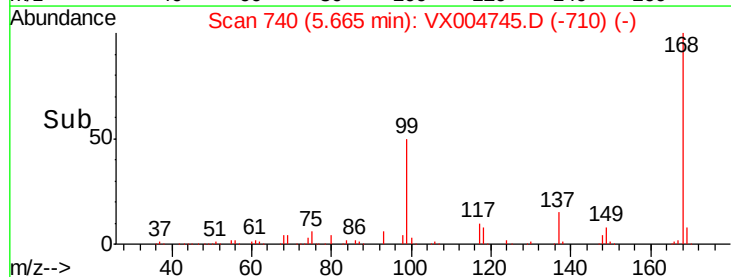
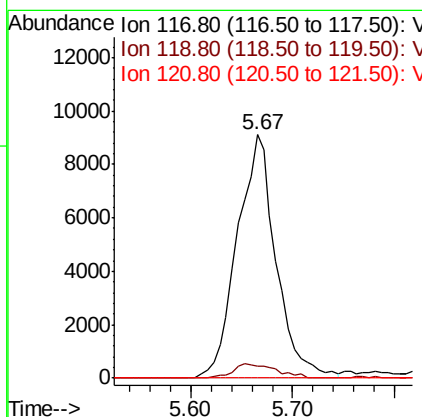
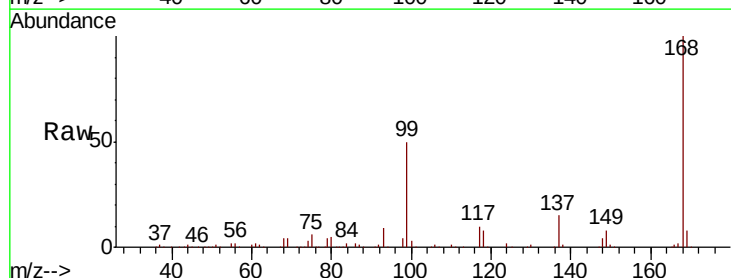
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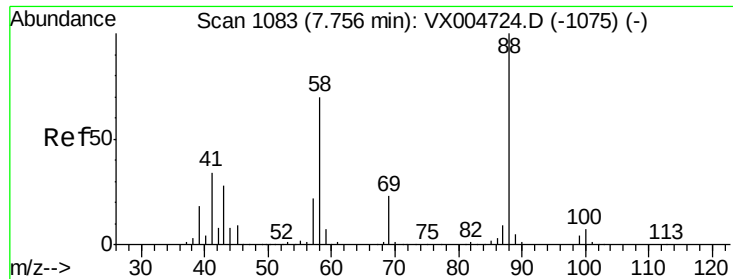
Tot Ion	75	Resp	18821
Ion Ratio	Lower	Upper	
75	100		
110	9.0	18.0	54.0#
77	0.3	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.057 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX004745.D
 Acq: 27 Sep 2018 01:31

Tgt Ion	117	Resp	24087
Ion Ratio	Lower	Upper	
117	100		
119	4.9	78.8	118.2#
121	0.0	24.9	37.3#

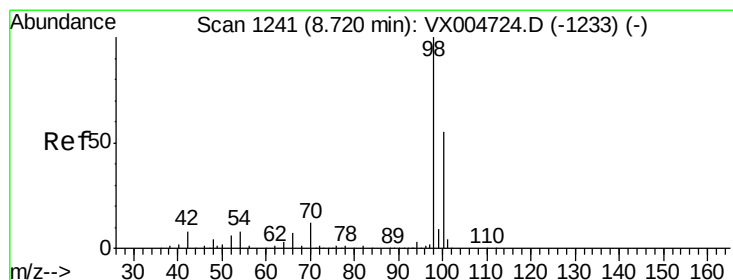
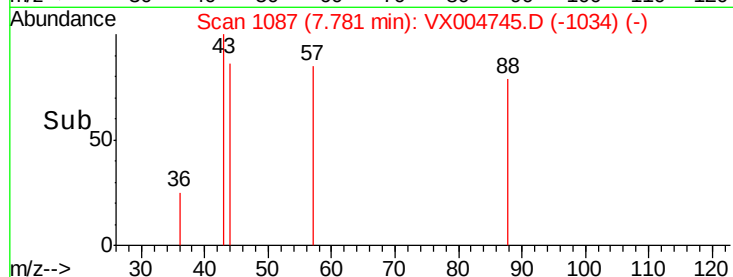
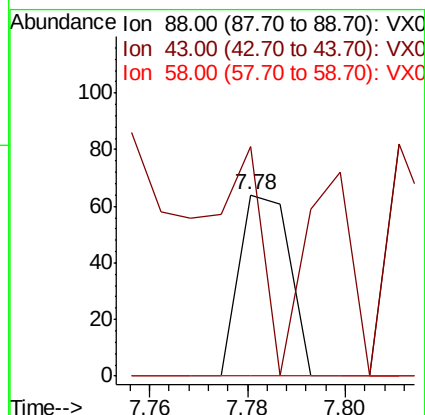
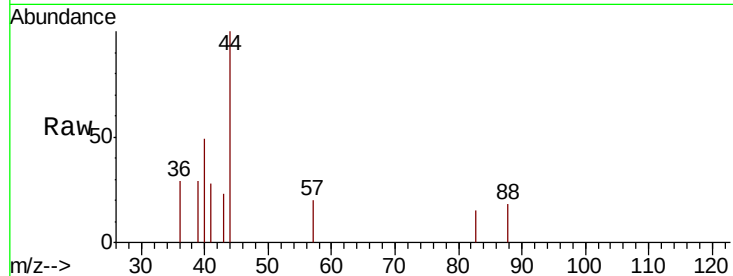




#49
 1,4-Dioxane
 Concen: 0.470 ug/l
 RT: 7.78 min Scan# 1087
 Delta R.T. 0.02 min
 Lab File: VX004745.D
 Acq: 27 Sep 2018 01:31

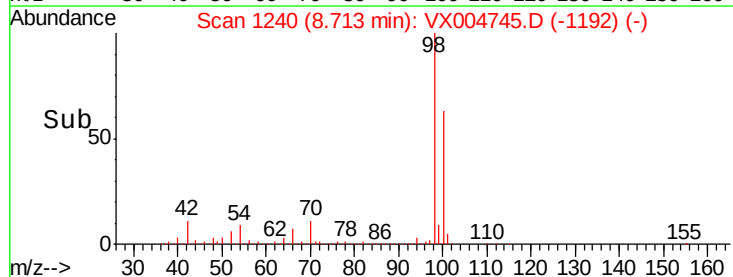
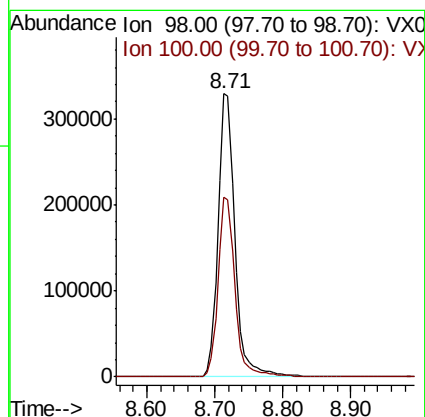
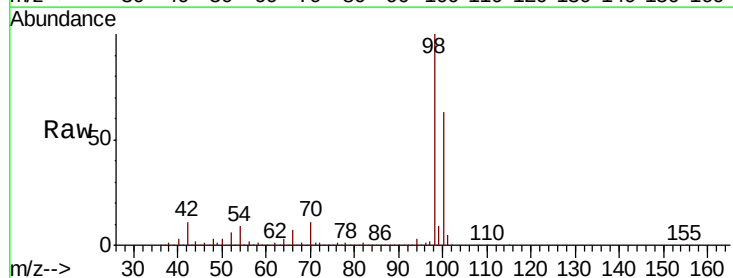
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-092018-02

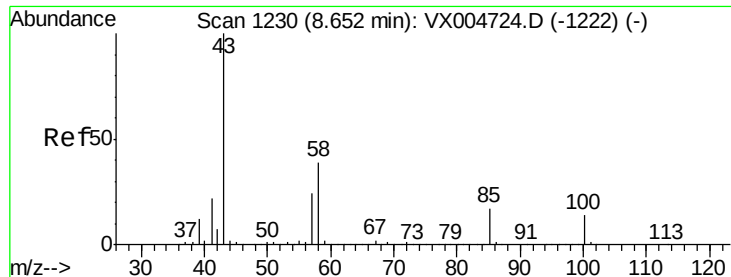
Tot Ion: 88 Resp: 46
 Ion Ratio Lower Upper
 88 100
 43 104.3 24.7 37.1#
 58 0.0 55.3 82.9#



#50
 Toluene-d8
 Concen: 51.426 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VX004745.D
 Acq: 27 Sep 2018 01:31

Tgt Ion: 98 Resp: 567839
 Ion Ratio Lower Upper
 98 100
 100 63.3 52.9 79.3

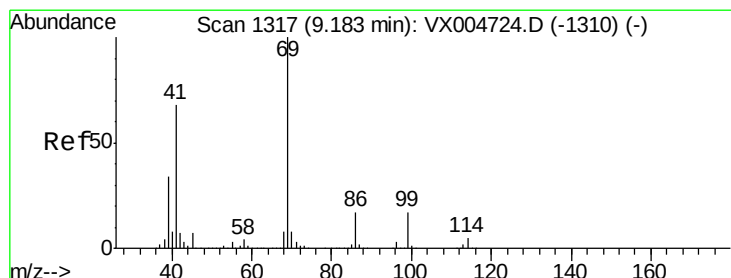
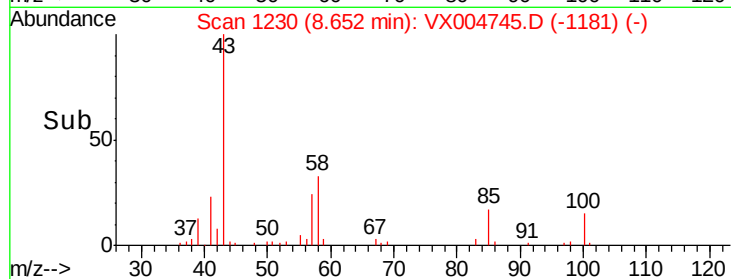
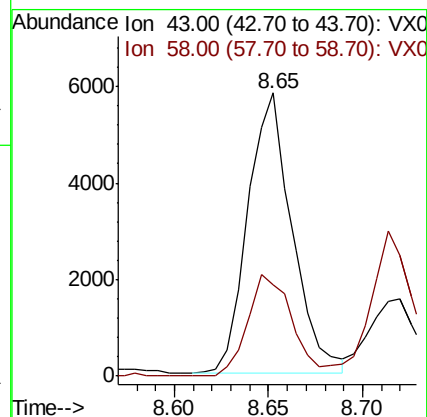
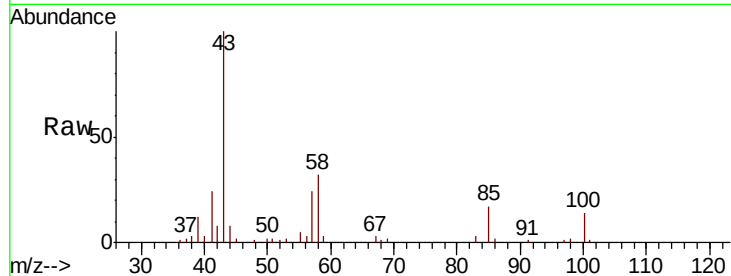




#51
 4-Methyl-2-Pentanone
 Concen: 1.734 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VX004745.D
 Acq: 27 Sep 2018 01:31

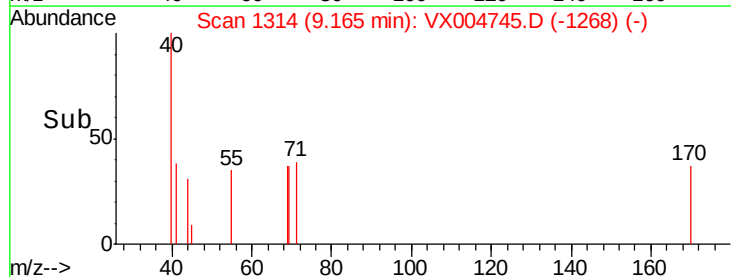
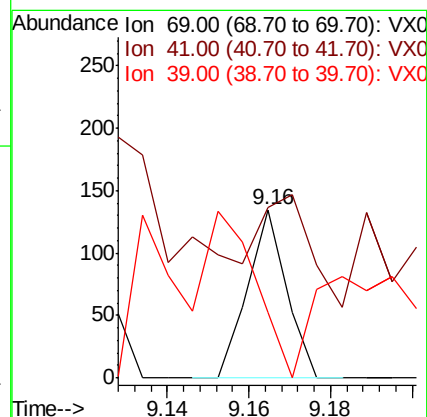
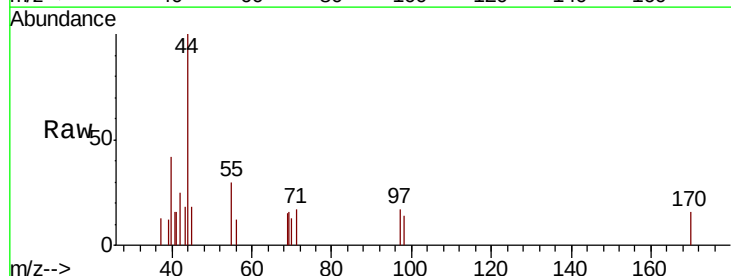
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-092018-02

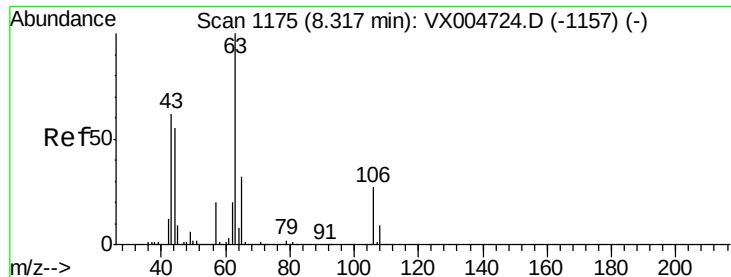
Tot Ion: 43 Resp: 9478
 Ion Ratio Lower Upper
 43 100
 58 36.5 33.1 49.7



#56
 Ethyl methacrylate
 Concen: 2.877 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VX004745.D
 Acq: 27 Sep 2018 01:31

Tgt Ion: 69 Resp: 90
 Ion Ratio Lower Upper
 69 100
 41 124.4 51.0 76.4#
 39 120.0 26.1 39.1#

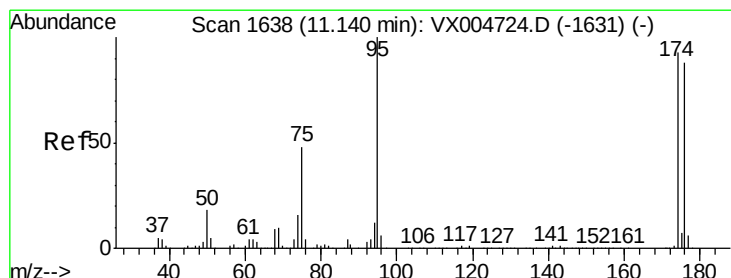
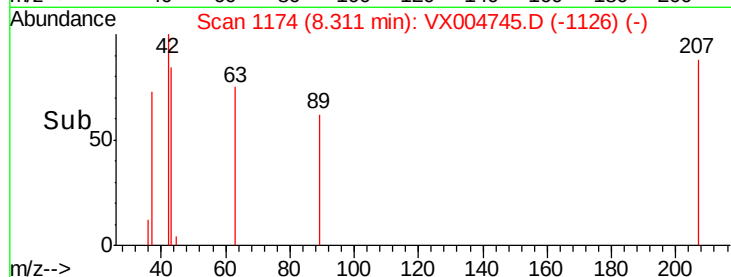
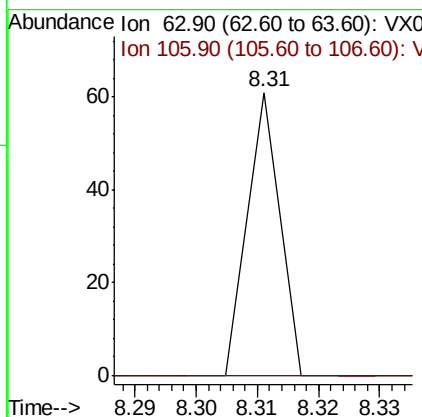
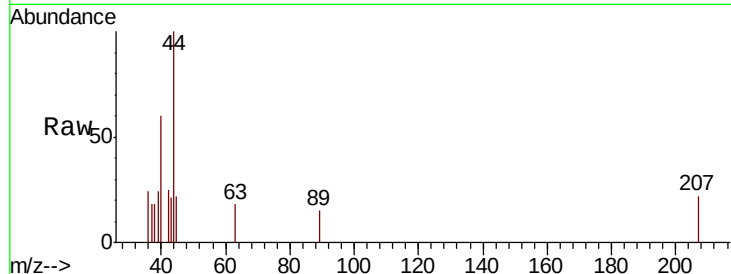




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.249 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004745.D
 Acq: 27 Sep 2018 01:31

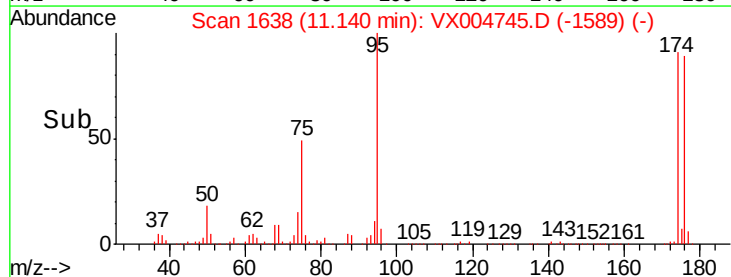
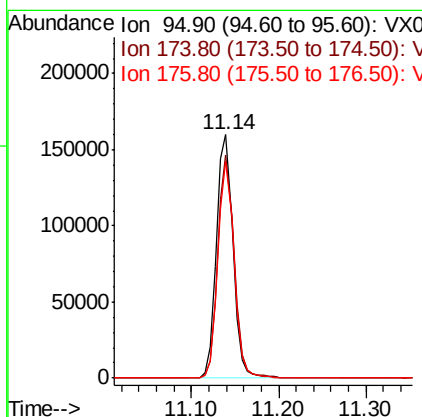
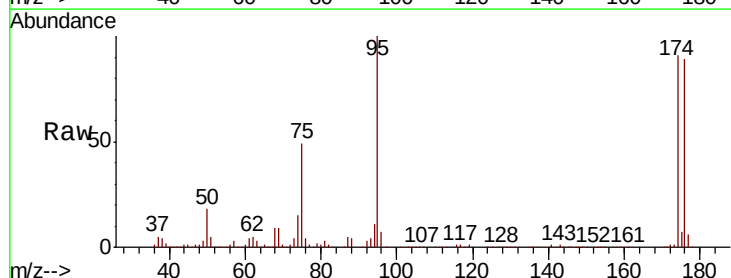
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-092018-02

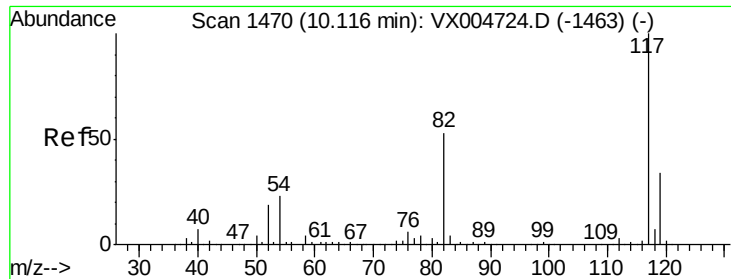
Tot Ion: 63 Resp: 22
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#62
 4-Bromofluorobenzene
 Concen: 52.367 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004745.D
 Acq: 27 Sep 2018 01:31

Tgt Ion: 95 Resp: 208310
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 185.2
 176 87.0 0.0 178.6

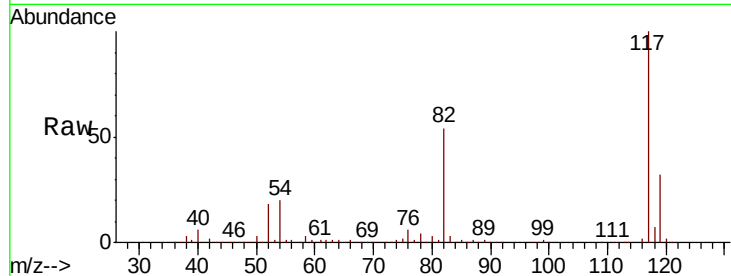




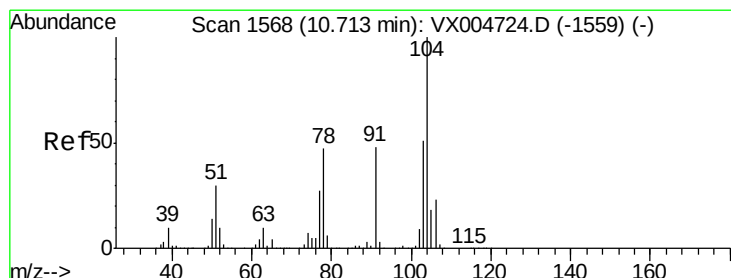
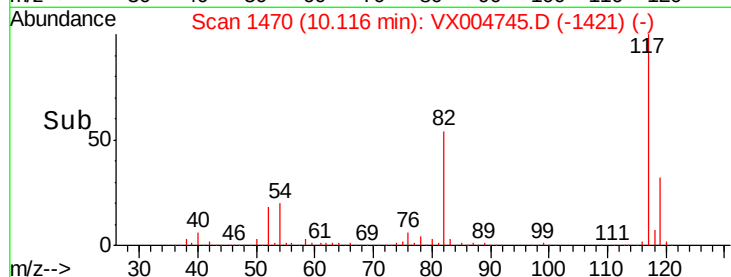
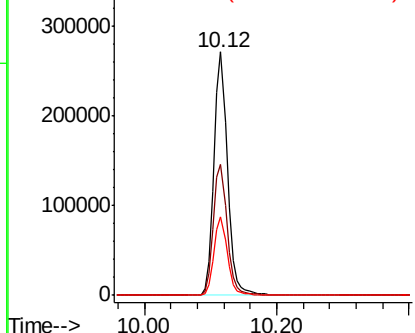
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004745.D
Acq: 27 Sep 2018 01:31

Instrument :
MSVOA_X
ClientSampleId :
FB-092018-02

Tot Ion:117 Resp: 381533
Ion Ratio Lower Upper
117 100
82 53.9 47.8 71.6
119 32.2 29.3 43.9

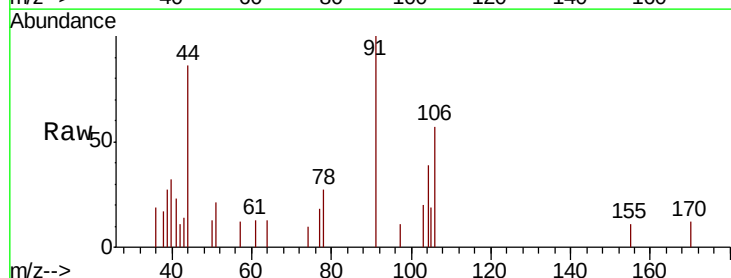


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

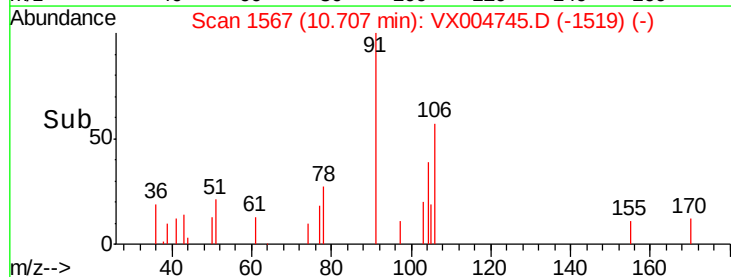
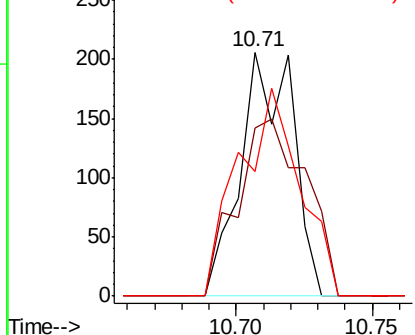


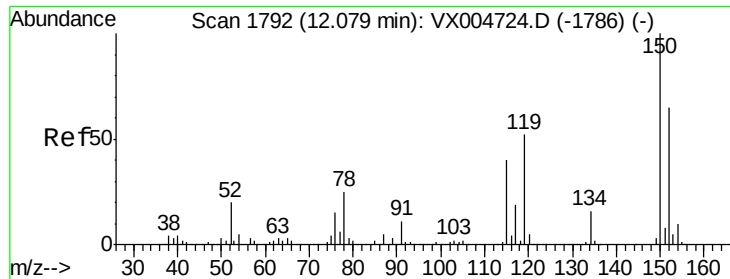
#70
Styrene
Concen: 2.166 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX004745.D
Acq: 27 Sep 2018 01:31

Tgt Ion:104 Resp: 274
Ion Ratio Lower Upper
104 100
78 96.0 37.4 56.0#
103 100.0 43.8 65.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): 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: VX004745.D

Acq: 27 Sep 2018 01:31

Instrument :

MSVOA_X

ClientSampleId :

FB-092018-02

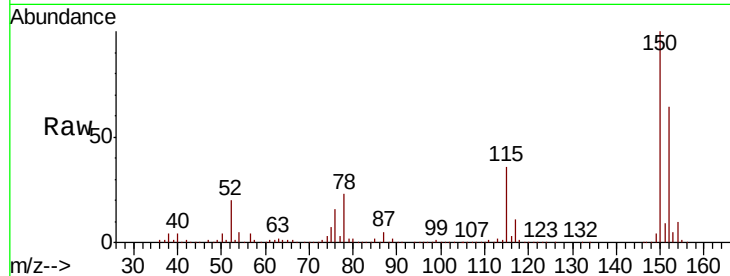
Tot Ion:152 Resp: 216793

Ion Ratio Lower Upper

152 100

115 55.9 39.0 117.0

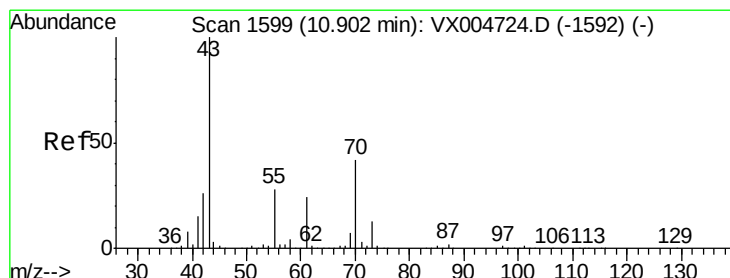
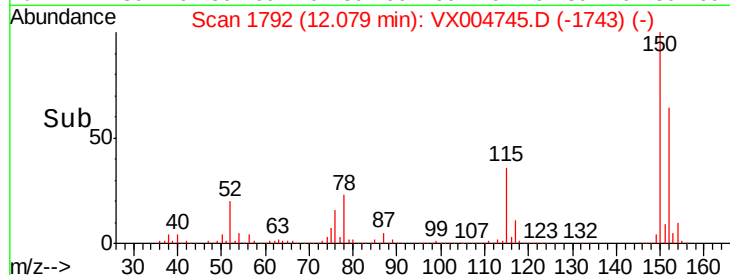
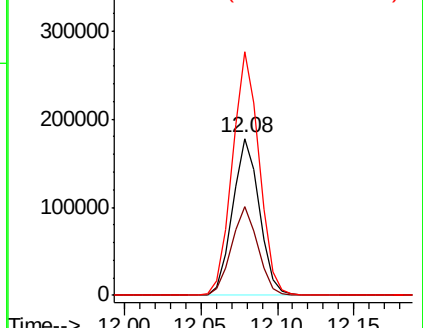
150 155.0 0.0 351.0



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-ethyl acetate

Concen: 1.793 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX004745.D

Acq: 27 Sep 2018 01:31

Tgt Ion: 43 Resp: 353

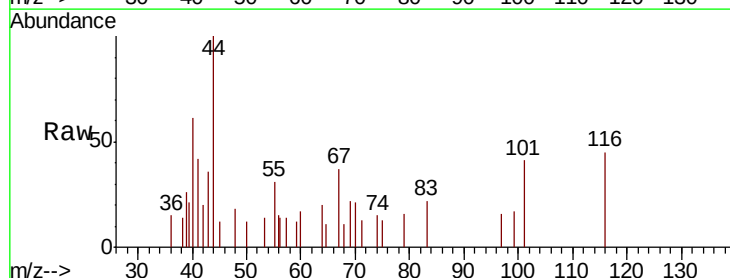
Ion Ratio Lower Upper

43 100

70 26.3 37.4 56.0#

55 77.3 21.8 32.8#

61 0.0 20.6 30.8#

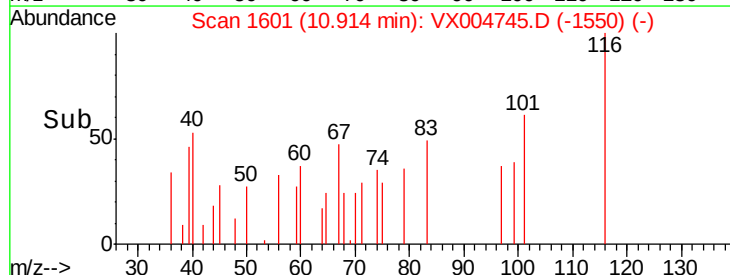
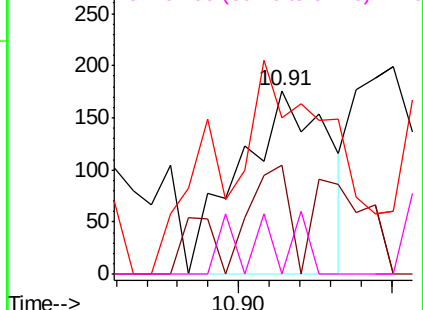


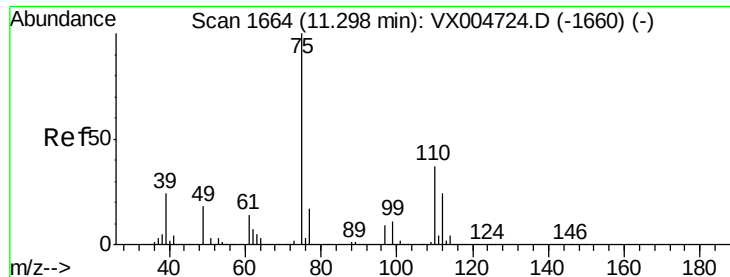
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

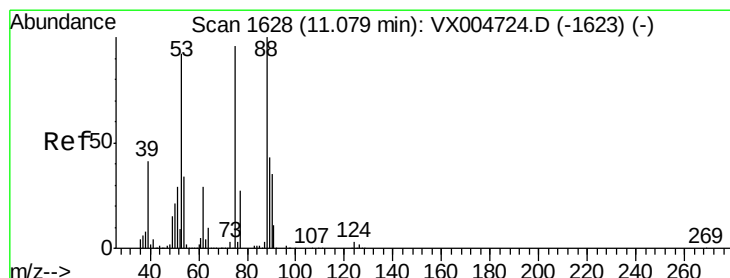
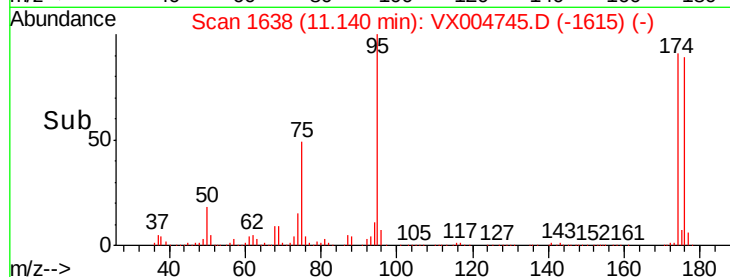
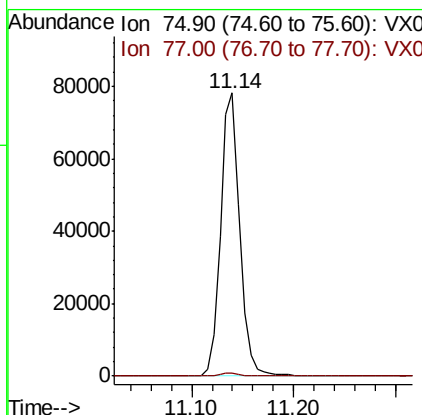
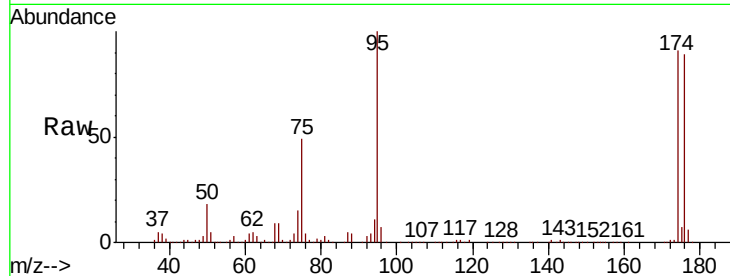




#76
 1,2,3-Trichloropropane
 Concen: 21.056 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004745.D
 Acq: 27 Sep 2018 01:31

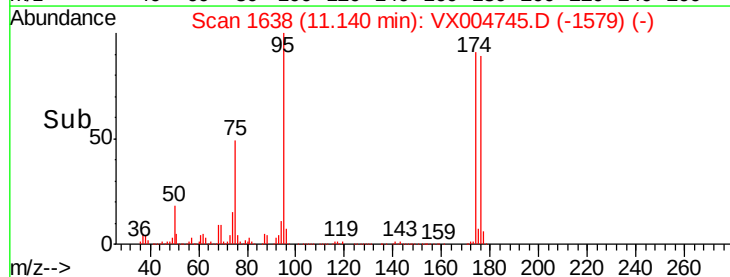
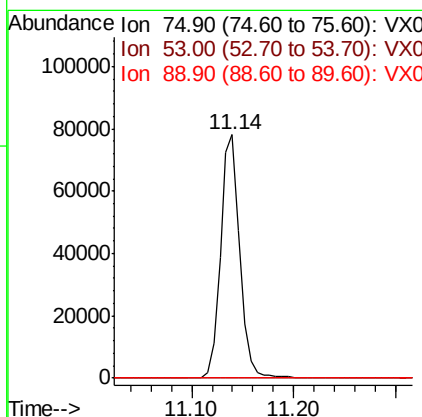
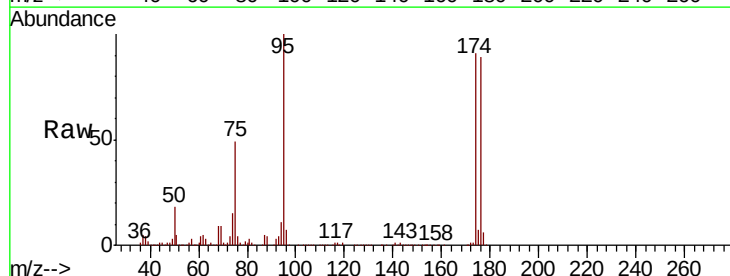
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-092018-02

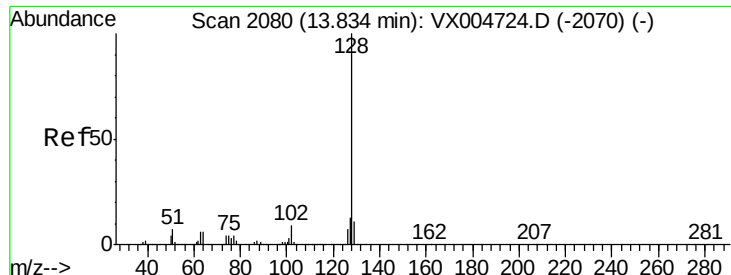
Tot Ion: 75 Resp: 102312
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.132 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004745.D
 Acq: 27 Sep 2018 01:31

Tgt Ion: 75 Resp: 102312
 Ion Ratio Lower Upper
 75 100
 53 0.4 80.1 120.1#
 89 0.0 37.2 55.8#

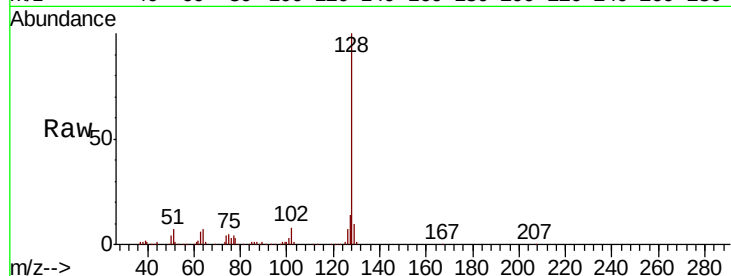




#95
Naphthalene
Concen: 3.289 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004745.D
Acq: 27 Sep 2018 01:31

Instrument :
MSVOA_X
ClientSampleId :
FB-092018-02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.3	8.6	12.8



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

