

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004830.D
 Acq On : 28 Sep 2018 19:12
 Operator : JC/MD
 Sample : J5130-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JBW-7333

Quant Time: Sep 29 06:30:44 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	252177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	394915	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	384603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	229930	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	178848	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
35) Dibromofluoromethane	5.51	113	150526	44.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.94%	
50) Toluene-d8	8.71	98	568885	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.14	95	220999	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	

Target Compounds

					Qvalue	
4) Vinyl Chloride	1.40	62	36185	9.249	ug/l	95
6) Chloroethane	1.79	64	4365	Below	Cal #	20
11) Tert butyl alcohol	3.02	59	8155	8.096	ug/l #	72
12) 1,1-Dichloroethene	2.37	96	1205	0.441	ug/l #	77
13) Acrolein	2.27	56	3098	4.323	ug/l #	1
14) Allyl chloride	2.84	41	908035	152.306	ug/l #	63
15) Acrylonitrile	3.17	53	21156	9.541	ug/l #	41
16) Acetone	2.45	43	6694	3.183	ug/l	97
18) Methyl Acetate	2.84	43	2389470	448.433	ug/l #	51
20) Methylene Chloride	2.85	84	6668	1.364	ug/l #	1
21) trans-1,2-Dichloroethene	3.16	96	1132	0.378	ug/l #	71
25) 2-Butanone	4.86	43	3545	1.144	ug/l #	47
27) cis-1,2-Dichloroethene	4.60	96	31129	9.316	ug/l	97
30) Chloroform	5.28	83	2030	0.359	ug/l #	78
31) Cyclohexane	5.57	56	436084	95.142	ug/l	91
36) 1,1-Dichloropropene	5.67	75	16370	3.585	ug/l #	50
37) Ethyl Acetate	4.86	43	3545	0.585	ug/l #	79
38) Carbon Tetrachloride	5.66	117	22620	4.712	ug/l #	15
39) Methylcyclohexane	7.46	83	399397	85.654	ug/l	94
40) Benzene	6.14	78	294370	20.591	ug/l	99
41) Methacrylonitrile	5.24	41	6728	2.001	ug/l #	51
42) 1,2-Dichloroethane	6.15	62	2894	0.573	ug/l #	72
43) Isopropyl Acetate	6.35	43	676250	77.295	ug/l #	59
44) Trichloroethene	7.21	130	1698	0.483	ug/l	92
45) 1,2-Dichloropropane	7.46	63	4475	1.276	ug/l #	1
48) Methyl methacrylate	7.73	41	36882	9.288	ug/l #	61
51) 4-Methyl-2-Pentanone	8.68	43	39110	7.100	ug/l #	67
52) Toluene	8.79	92	31642	4.028	ug/l	100
55) 1,1,2-Trichloroethane	9.16	97	38656	11.234	ug/l #	20
56) Ethyl methacrylate	9.16	69	8740	4.338	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.29	63	139	14.286	ug/l #	45
59) 2-Hexanone	9.44	43	3953	0.861	ug/l #	27
67) Ethyl Benzene	10.26	91	386105	24.659	ug/l	98
68) m/p-Xylenes	10.36	106	315219	51.518	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

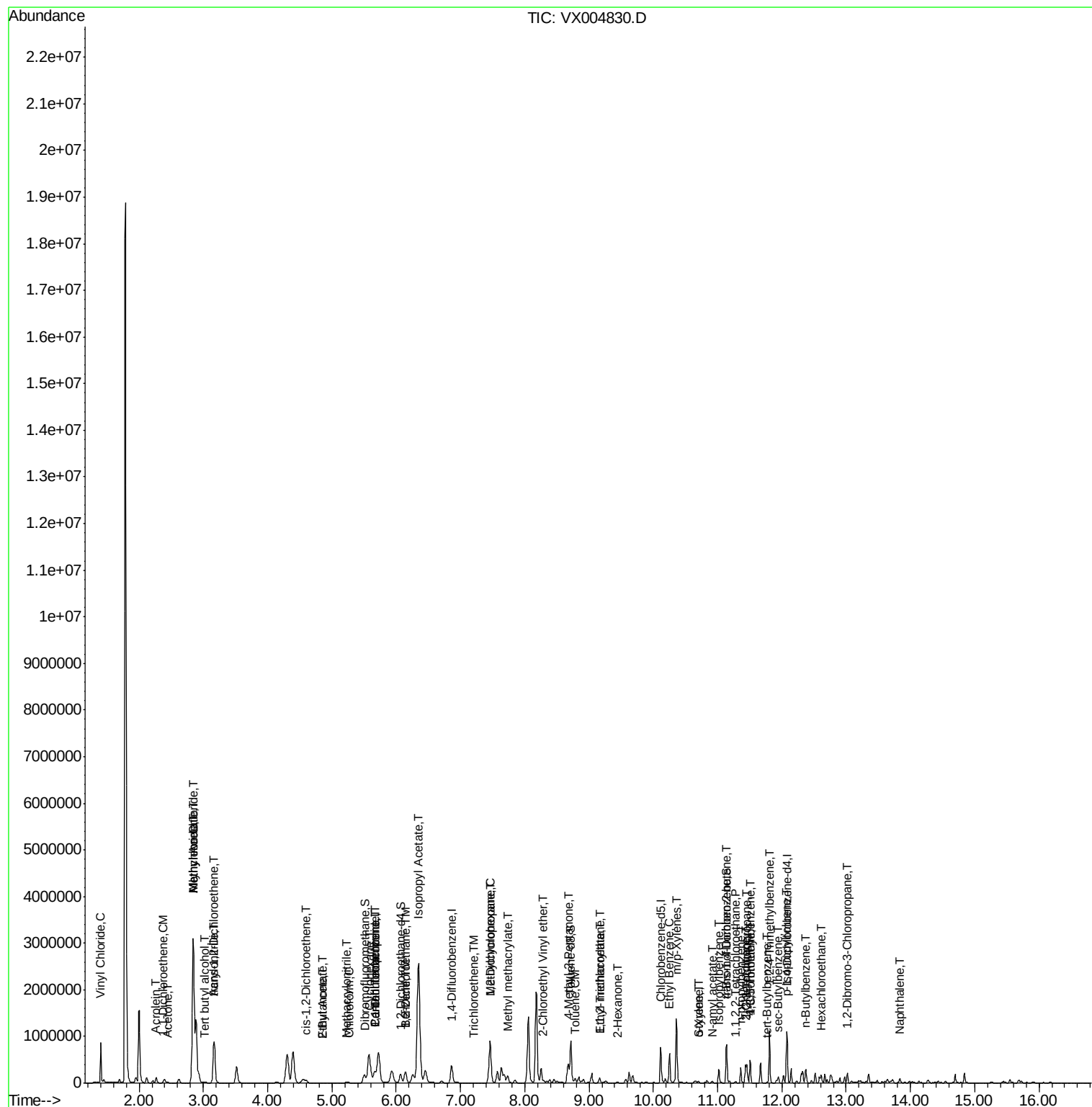
69) o-Xylene	10.70	106	7800	1.388	ug/l	90
70) Styrene	10.71	104	793	2.213	ug/l #	1
73) Isopropylbenzene	11.02	105	149250	10.298	ug/l	99
74) N-amyl acetate	10.91	43	1058	1.876	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.28	83	1637	0.277	ug/l #	35
76) 1,2,3-Trichloropropane	11.46	75	3569	0.693	ug/l #	35
78) n-propylbenzene	11.36	91	201358	12.109	ug/l	97
79) 2-Chlorotoluene	11.43	91	45040	4.345	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	204767	15.278	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.14	75	108448	57.099	ug/l #	9
82) 4-Chlorotoluene	11.51	91	21885	1.794	ug/l #	44
83) tert-Butylbenzene	11.77	119	7148	0.599	ug/l	87
84) 1,2,4-Trimethylbenzene	11.81	105	501815	36.580	ug/l	100
85) sec-Butylbenzene	11.94	105	67790	4.664	ug/l	96
86) p-Isopropyltoluene	12.07	119	43892	3.333	ug/l	96
89) n-Butylbenzene	12.38	91	44098	3.687	ug/l #	34
90) Hexachloroethane	12.61	117	6205	2.830	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	13.02	75	873	0.674	ug/l #	1
95) Naphthalene	13.83	128	56190	3.615	ug/l	97

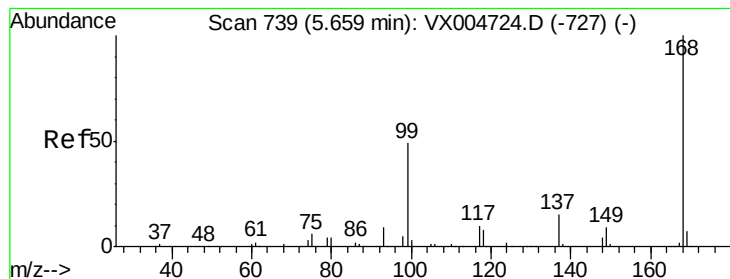
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

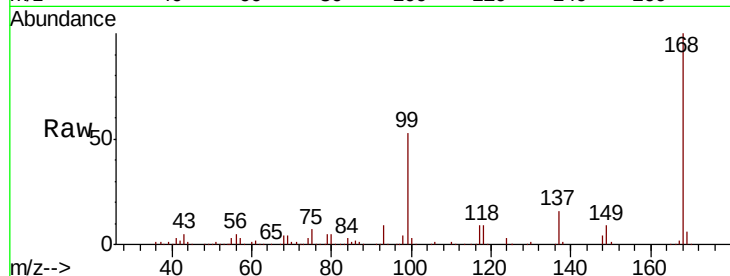
FA18-JBW-7333

Tot Ion:168 Resp: 252177

Ion Ratio Lower Upper

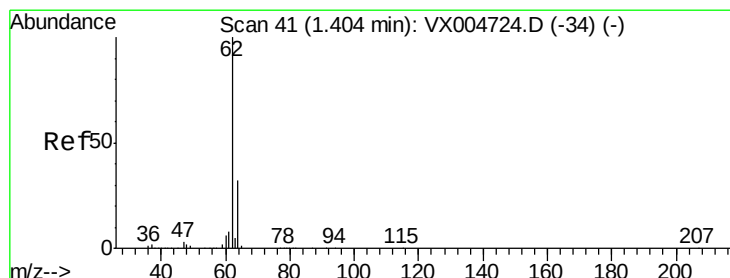
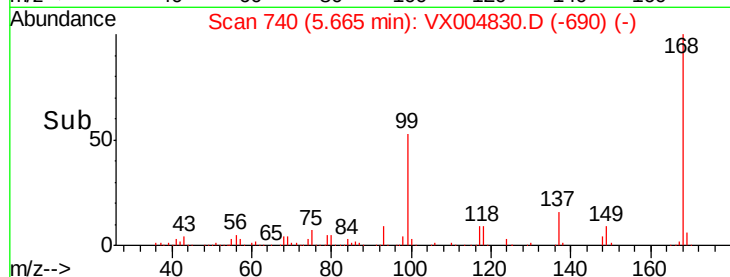
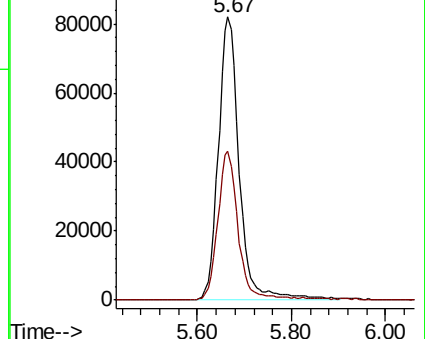
168 100

99 52.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 9.249 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004830.D

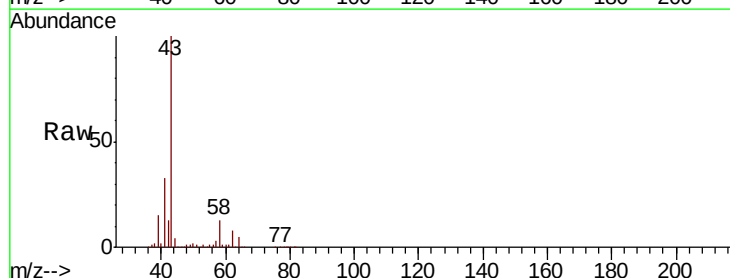
Acq: 28 Sep 2018 19:12

Tgt Ion: 62 Resp: 36185

Ion Ratio Lower Upper

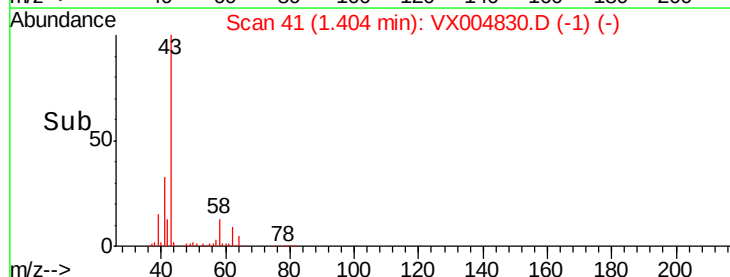
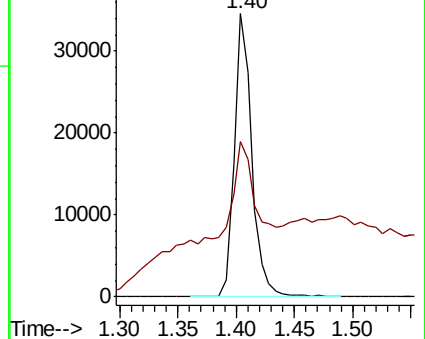
62 100

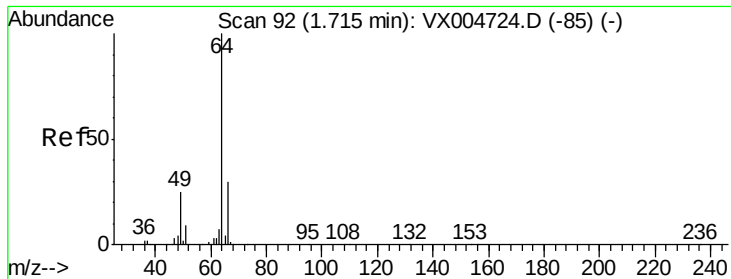
64 34.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.79 min Scan# 104

Delta R.T. 0.07 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

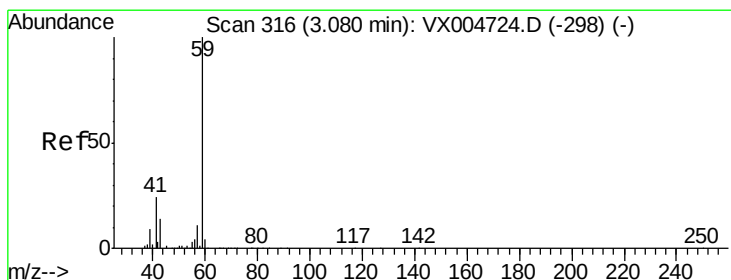
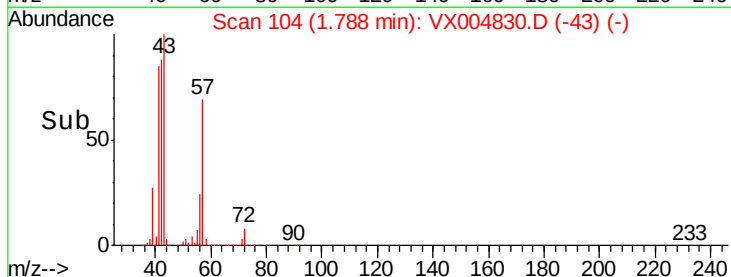
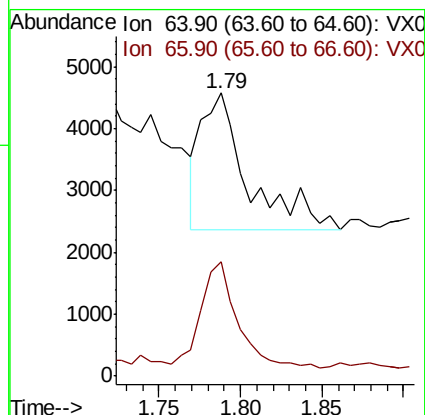
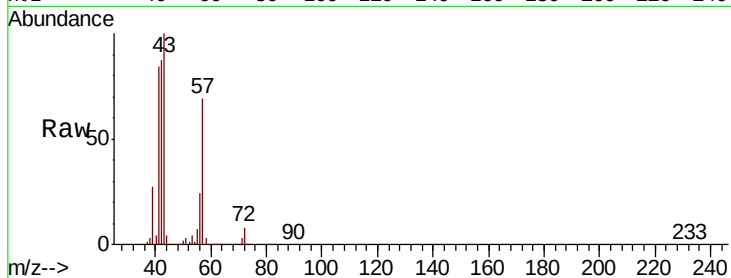
FA18-JBW-7333

Tot Ion: 64 Resp: 4365

Ion Ratio Lower Upper

64 100

66 74.6 24.6 36.8#



#11

Tert butyl alcohol

Concen: 8.096 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX004830.D

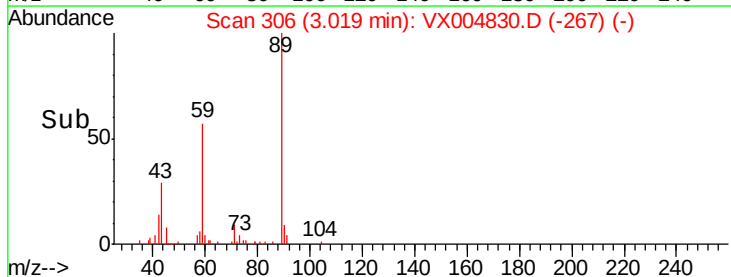
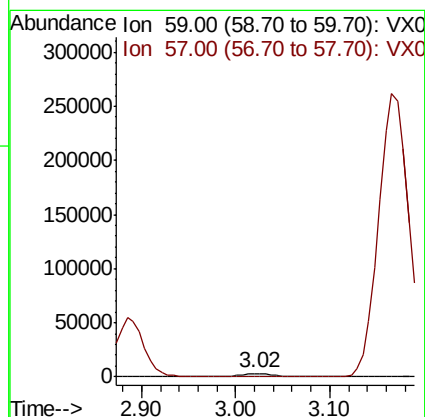
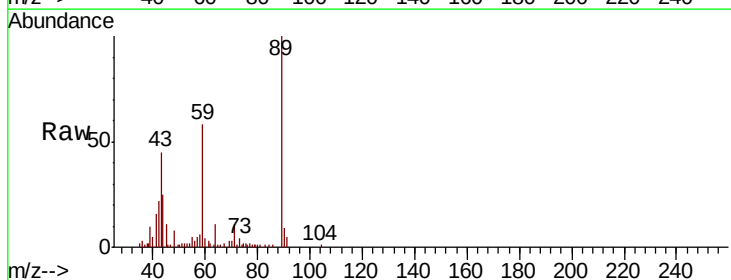
Acq: 28 Sep 2018 19:12

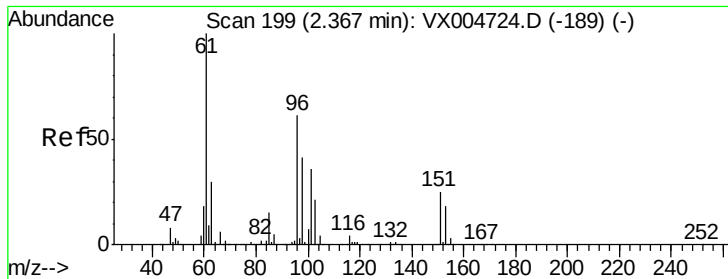
Tgt Ion: 59 Resp: 8155

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 0.441 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333

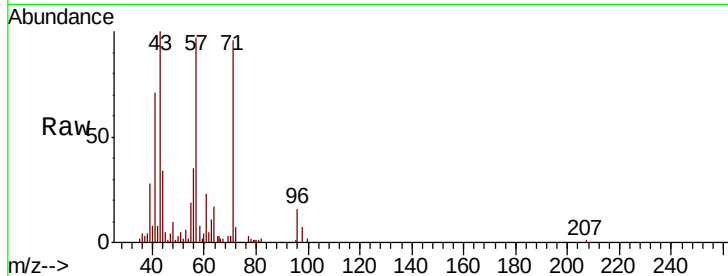
Tot Ion: 96 Resp: 1205

Ion Ratio Lower Upper

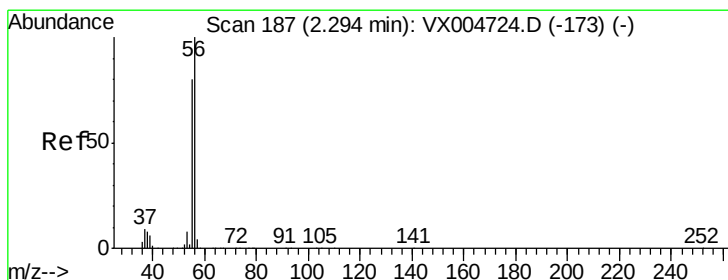
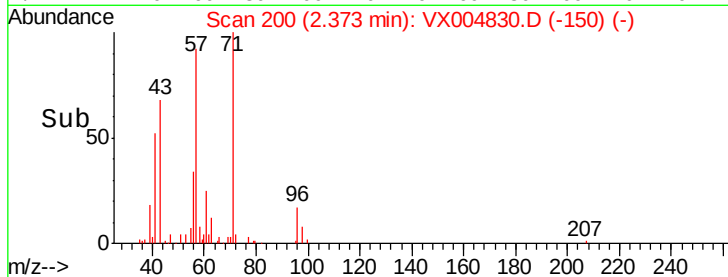
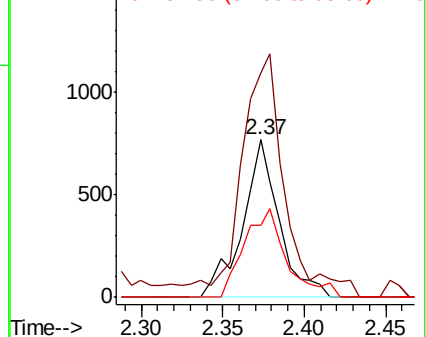
96 100

61 132.3 128.8 193.2

98 45.6 52.2 78.2#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 4.323 ug/l

RT: 2.27 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX004830.D

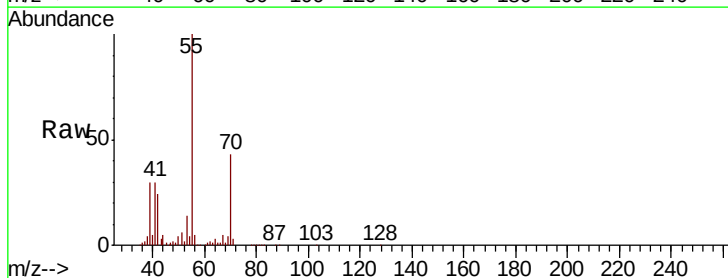
Acq: 28 Sep 2018 19:12

Tgt Ion: 56 Resp: 3098

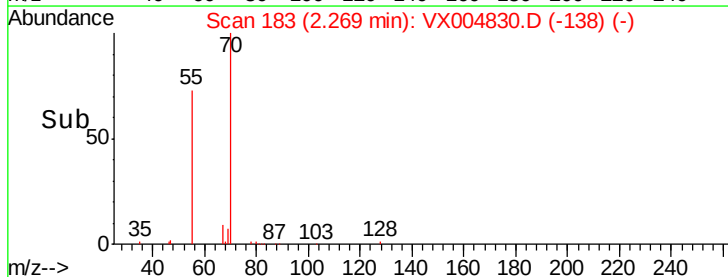
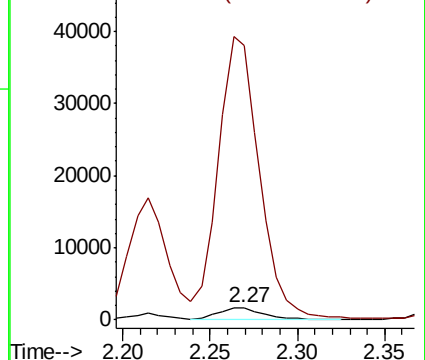
Ion Ratio Lower Upper

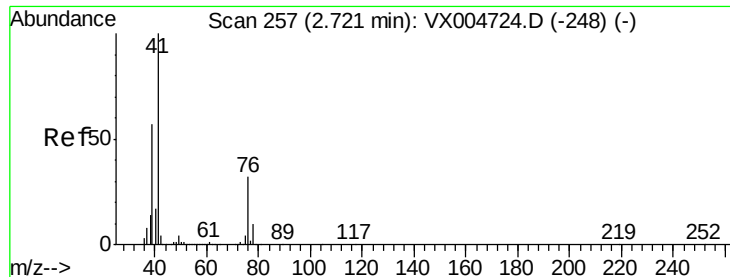
56 100

55 2054.3 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0

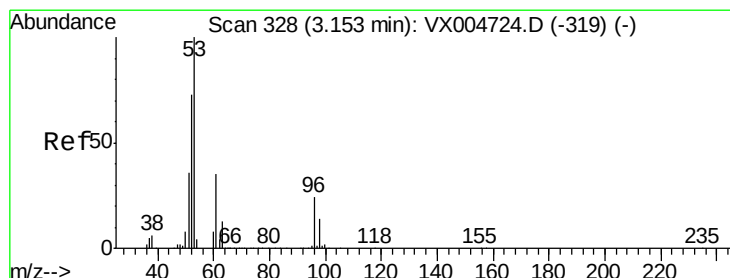
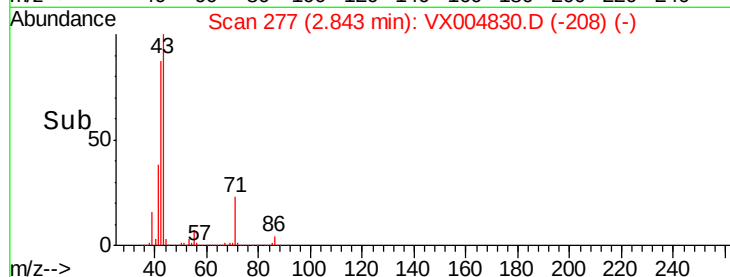
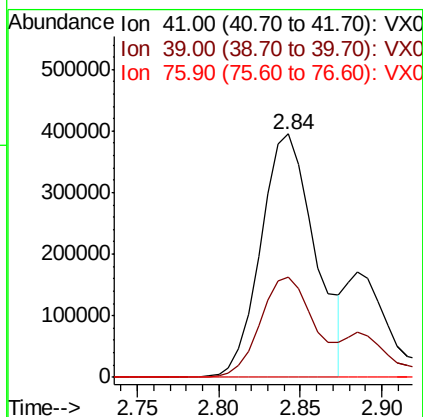
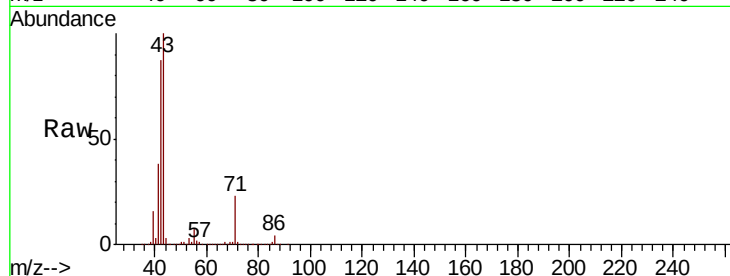




#14
Allvl chloride
Concen: 152.306 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.12 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

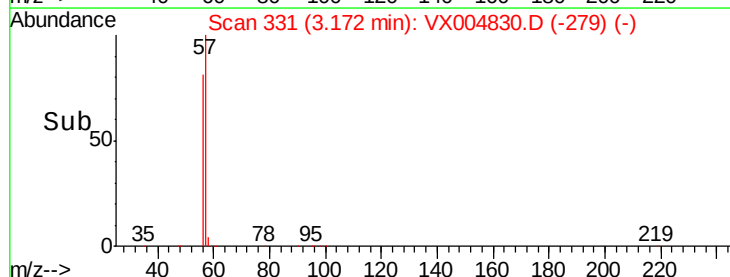
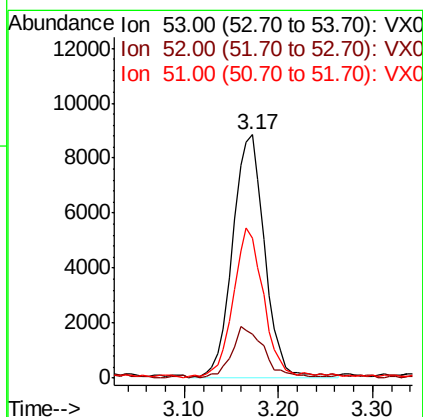
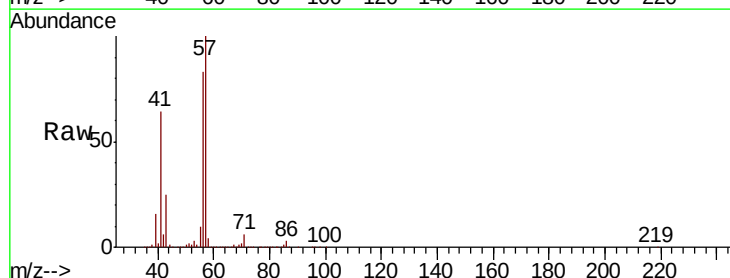
Instrument :
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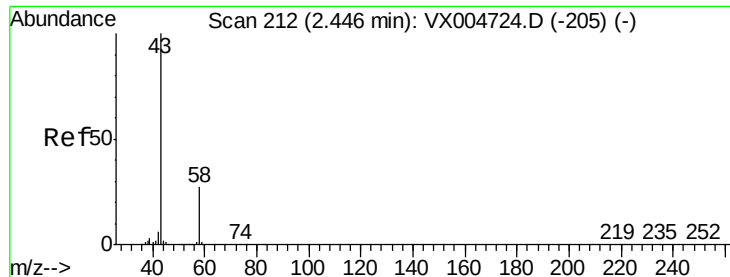
Tot Ion	Ratio	Lower	Upper
41	100		
39	41.7	48.9	73.3#
76	0.0	26.7	40.1#



#15
Acrylonitrile
Concen: 9.541 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.02 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
53	100		
52	21.4	65.2	97.8#
51	59.0	28.2	42.2#





#16

Acetone

Concen: 3.183 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

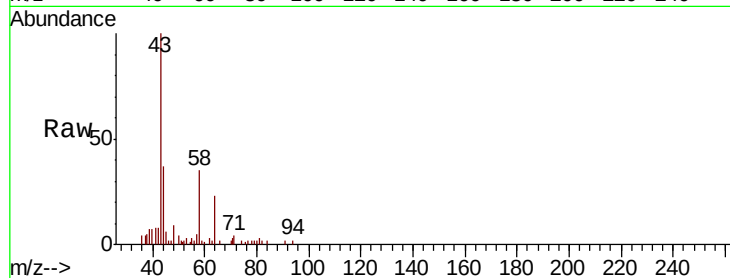
FA18-JBW-7333

Tot Ion: 43 Resp: 6694

Ion Ratio Lower Upper

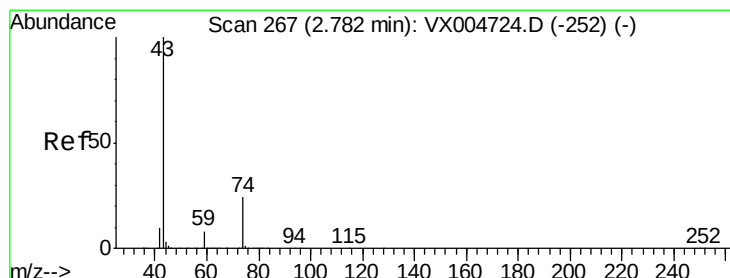
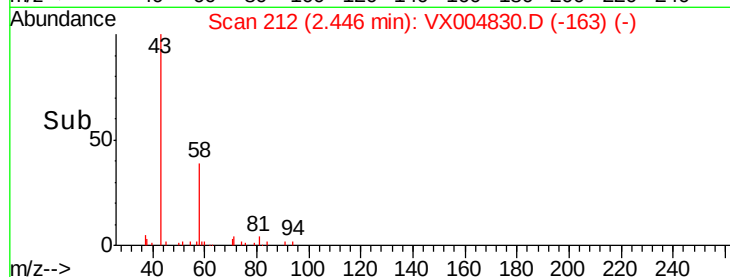
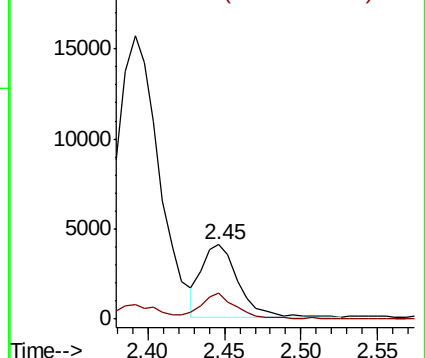
43 100

58 34.7 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 448.433 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.06 min

Lab File: VX004830.D

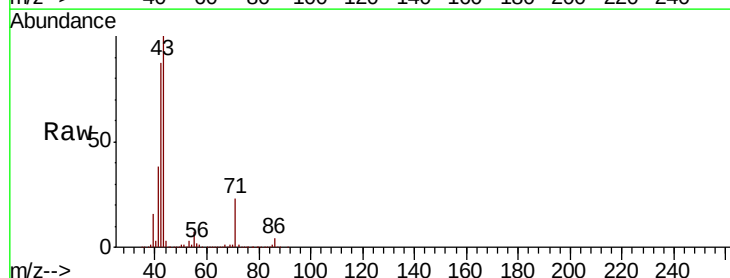
Acq: 28 Sep 2018 19:12

Tgt Ion: 43 Resp: 2389470

Ion Ratio Lower Upper

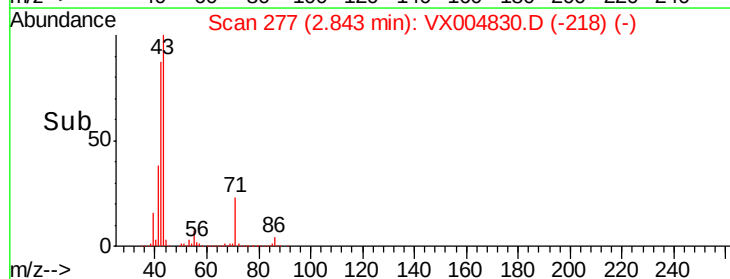
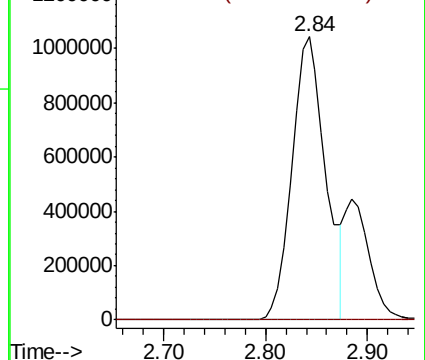
43 100

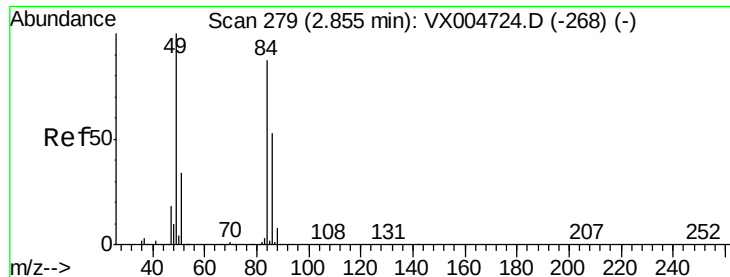
74 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 1.364 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333

Tot Ion: 84 Resp: 6668

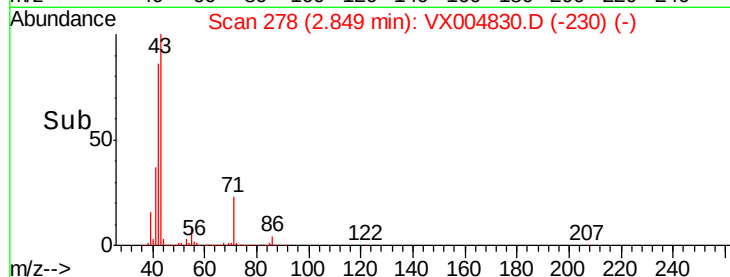
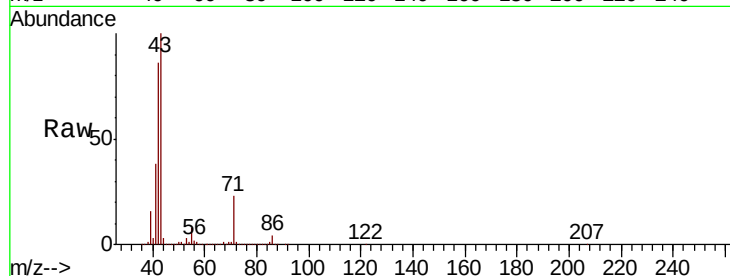
Ion Ratio Lower Upper

84 100

49 43.0 101.2 151.8#

51 540.9 29.5 44.3#

86 1602.6 52.3 78.5#

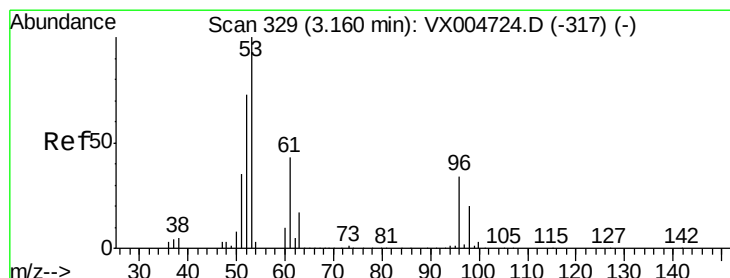
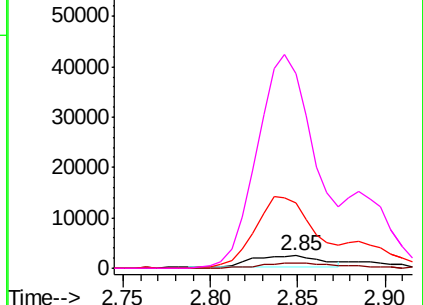


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.378 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

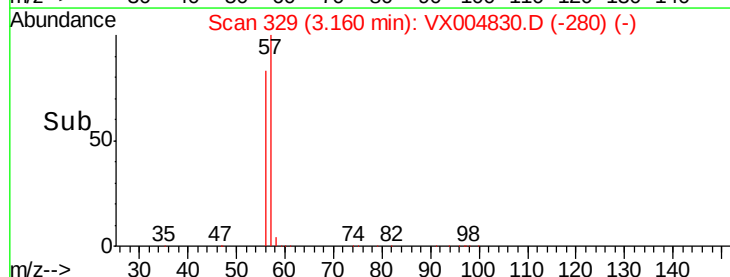
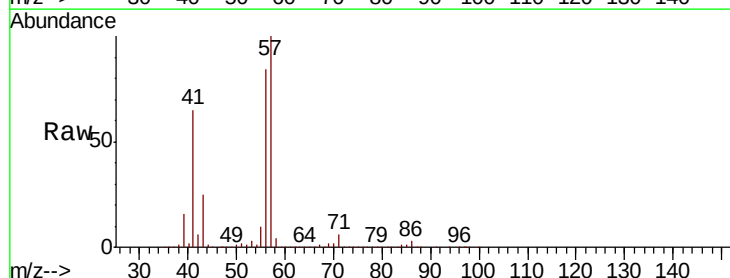
Tgt Ion: 96 Resp: 1132

Ion Ratio Lower Upper

96 100

61 182.4 113.8 170.6#

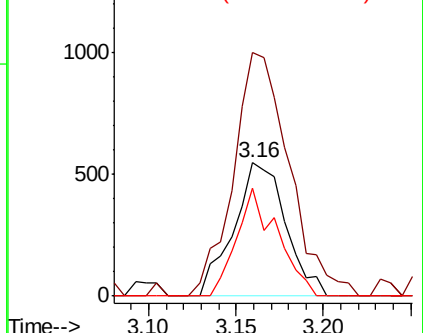
98 80.4 51.8 77.8#

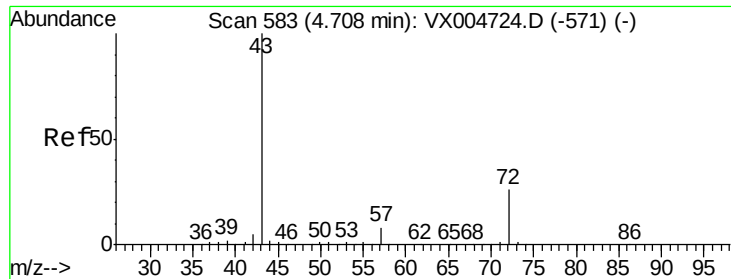


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#25

2-Butanone

Concen: 1.144 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.15 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampled :

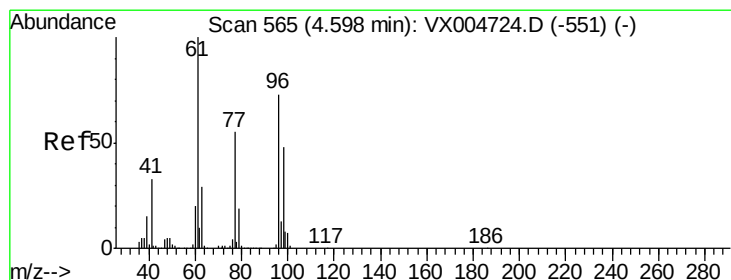
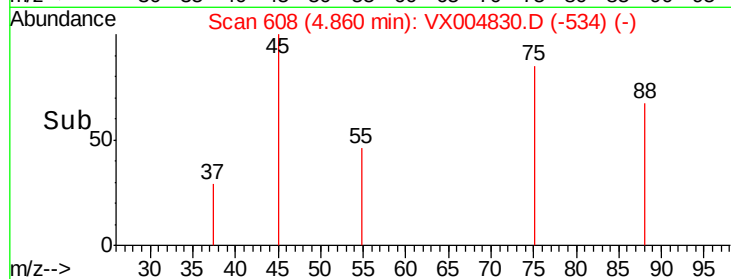
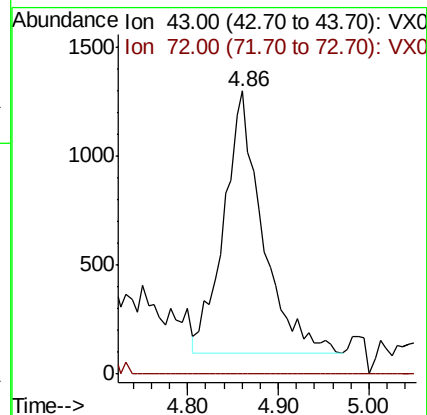
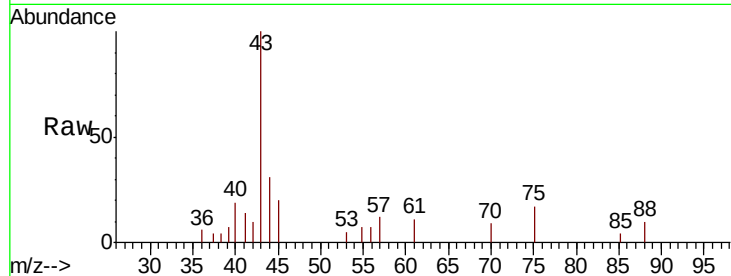
FA18-JBW-7333

Tot Ion: 43 Resp: 3545

Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#



#27

cis-1,2-Dichloroethene

Concen: 9.316 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

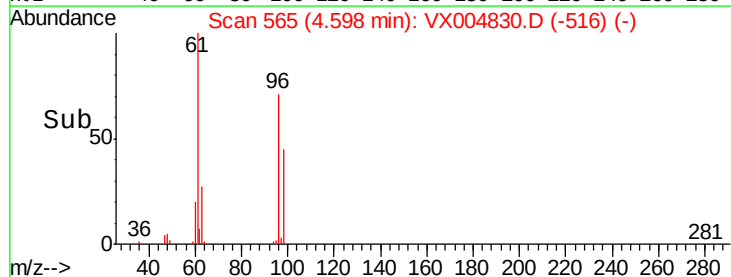
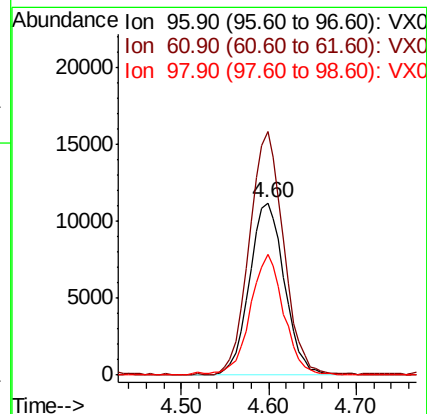
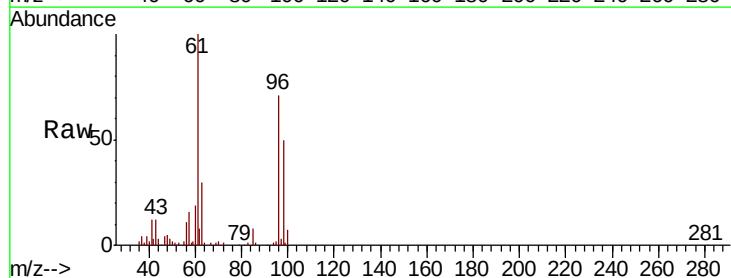
Tgt Ion: 96 Resp: 31129

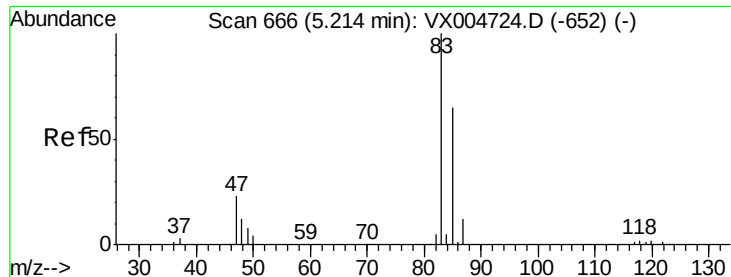
Ion Ratio Lower Upper

96 100

61 136.6 0.0 282.6

98 66.9 0.0 130.2

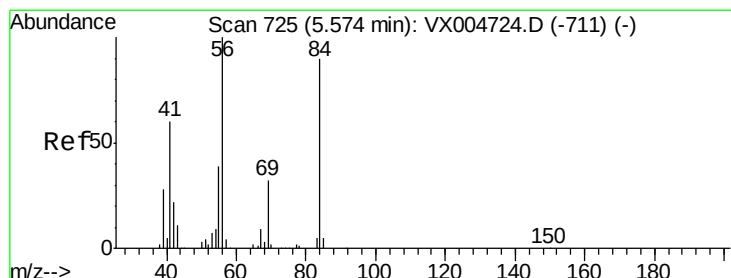
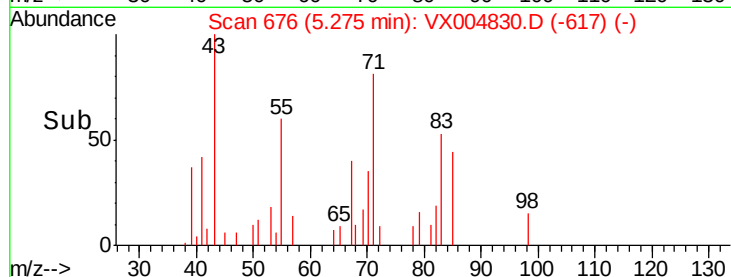
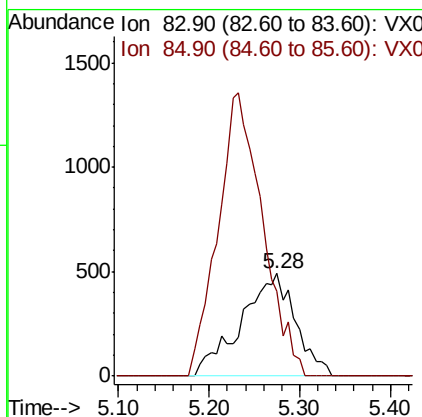
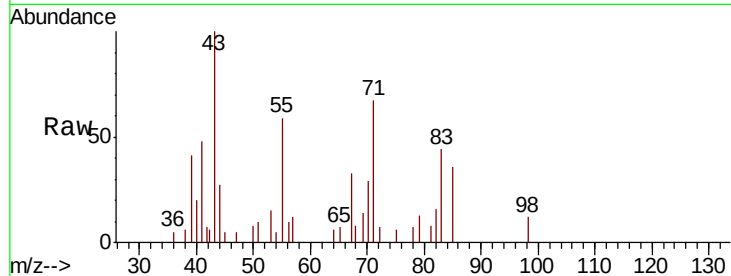




#30
Chloroform
Concen: 0.359 ug/l
RT: 5.28 min Scan# 676
Delta R.T. 0.06 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

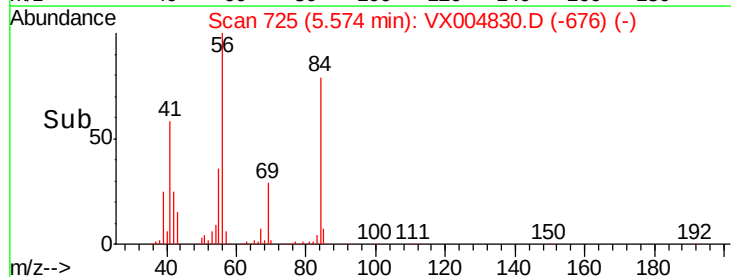
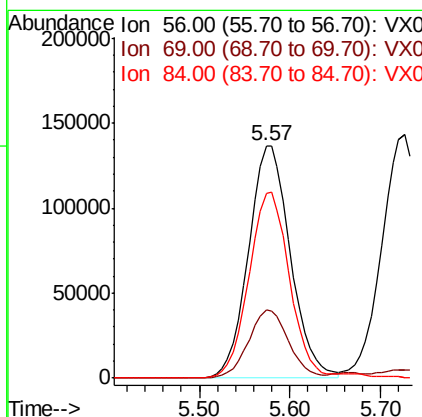
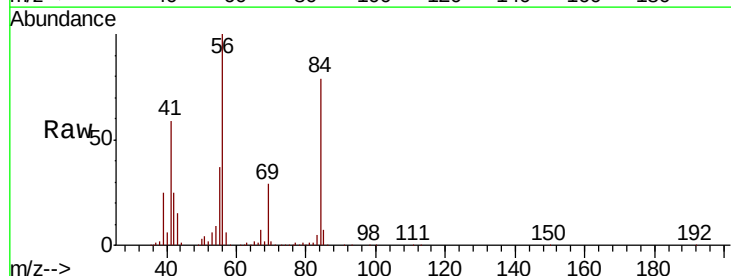
Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333

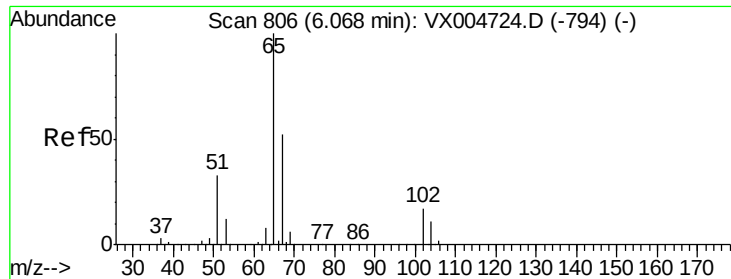
Tot Ion: 83 Resp: 2030
Ion Ratio Lower Upper
83 100
85 82.9 52.6 79.0#



#31
Cyclohexane
Concen: 95.142 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Tgt Ion: 56 Resp: 436084
Ion Ratio Lower Upper
56 100
69 29.0 25.4 38.2
84 79.5 71.4 107.2

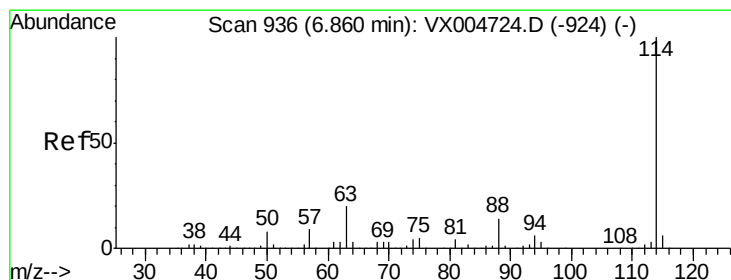
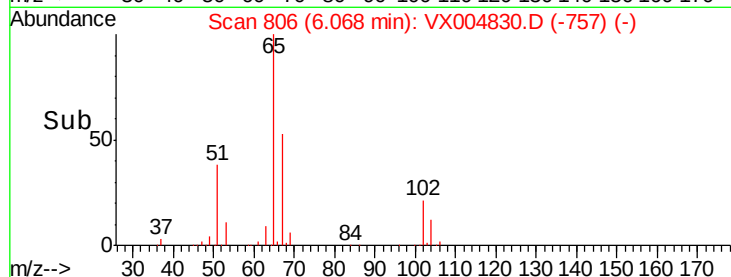
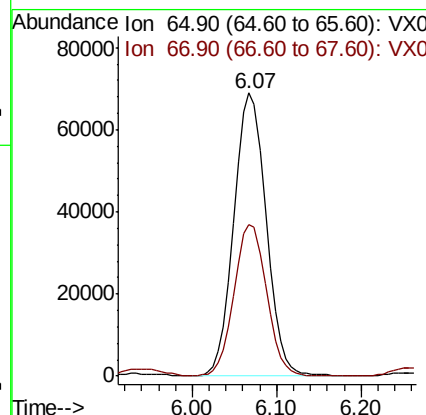
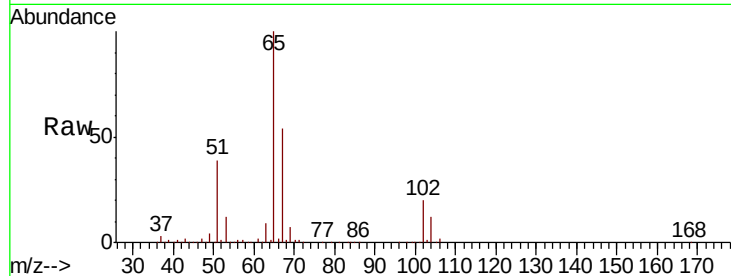




#33
 1,2-Dichloroethane-d4
 Concen: 49.648 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004830.D
 Acq: 28 Sep 2018 19:12

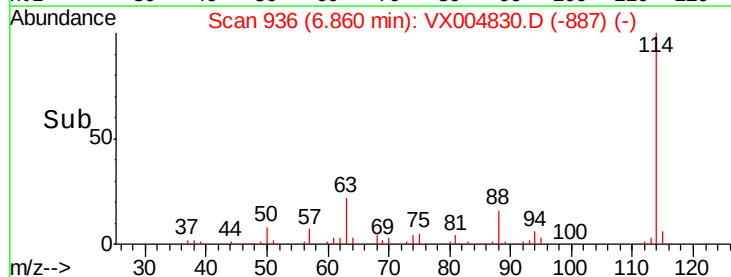
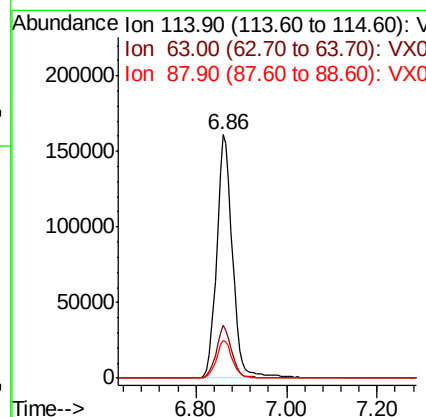
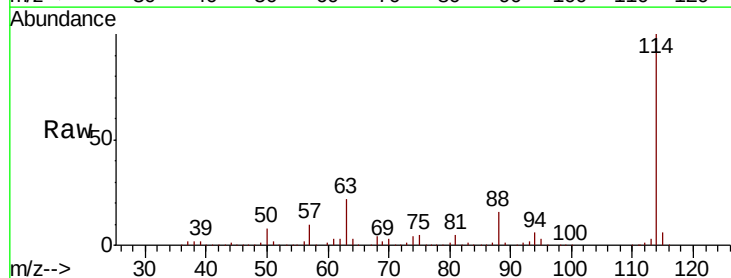
Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JBW-7333

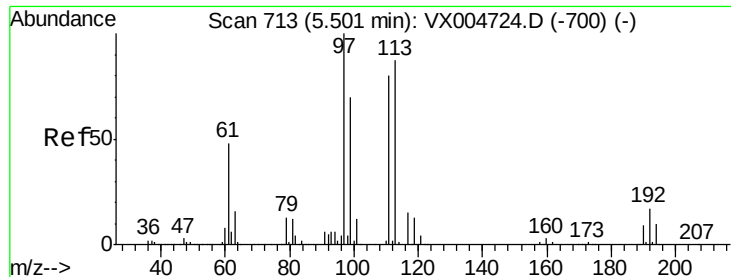
Tot Ion: 65 Resp: 178848
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004830.D
 Acq: 28 Sep 2018 19:12

Tgt Ion: 114 Resp: 394915
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 39.0
 88 15.6 0.0 30.4

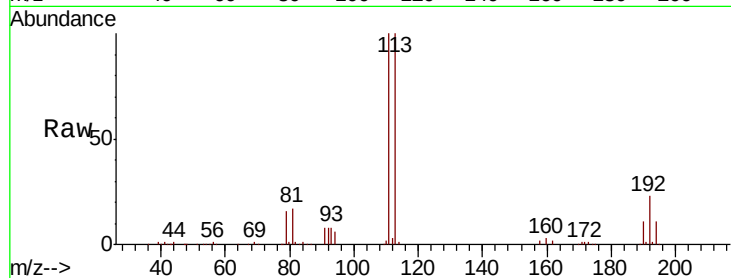




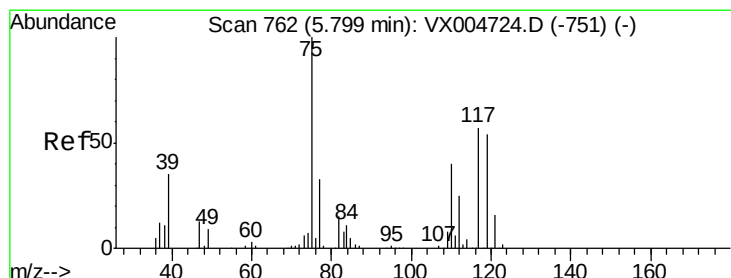
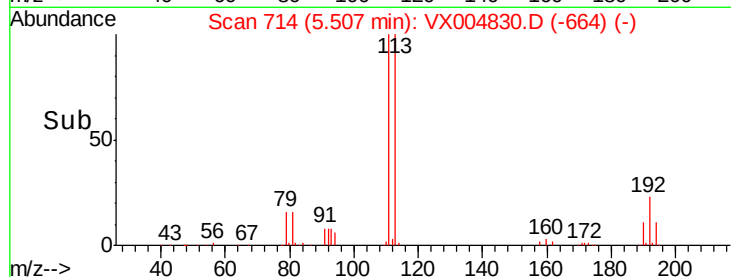
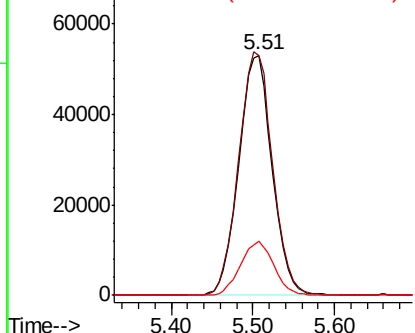
#35
 Dibromofluoromethane
 Concen: 44.974 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004830.D
 Acq: 28 Sep 2018 19:12

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JBW-7333

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.4	123.6
192	22.6	19.4	29.2

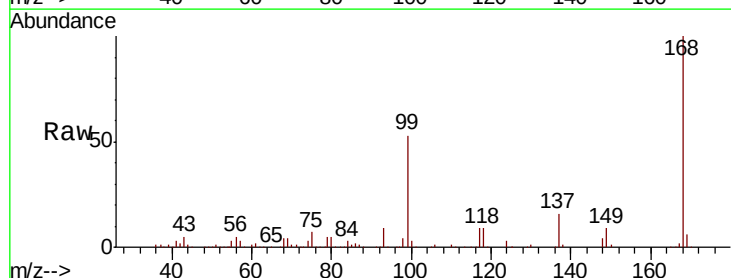


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

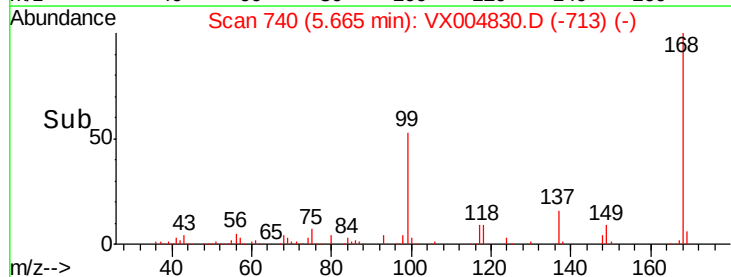
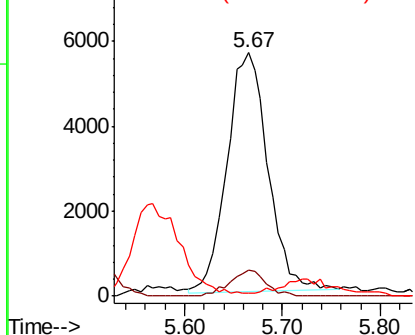


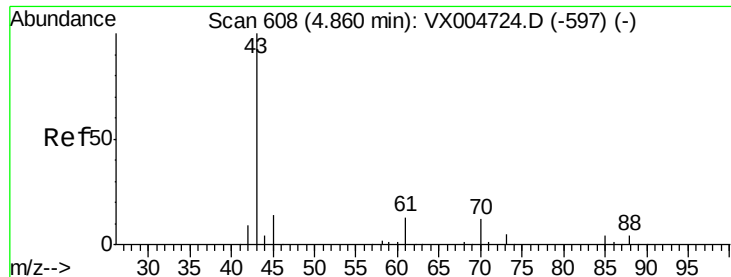
#36
 1,1-Dichloropropene
 Concen: 3.585 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004830.D
 Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.0	54.0#
77	0.0	24.6	36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 0.585 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.00 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333

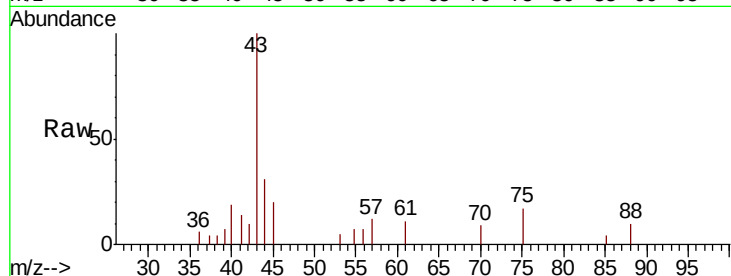
Tot Ion: 43 Resp: 3545

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

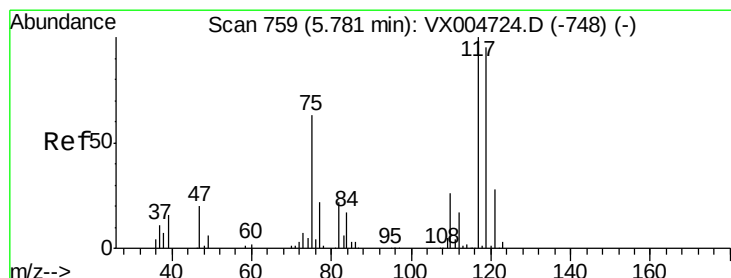
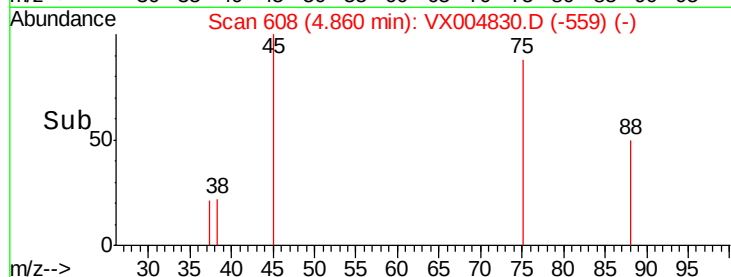
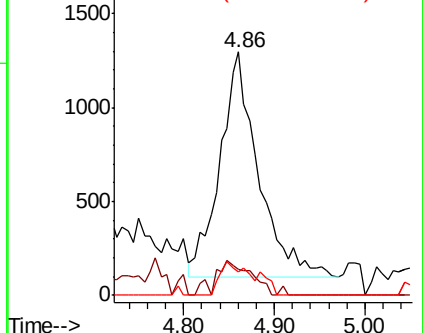
70 10.2 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 4.712 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

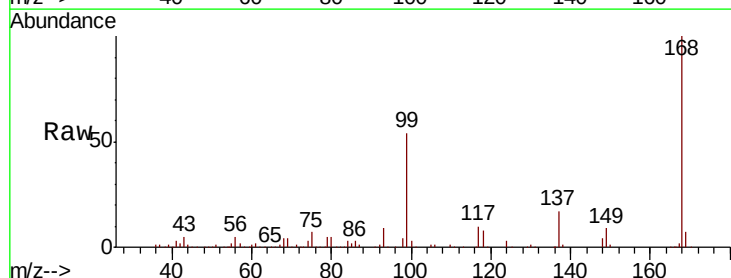
Tgt Ion: 117 Resp: 22620

Ion Ratio Lower Upper

117 100

119 5.2 78.8 118.2#

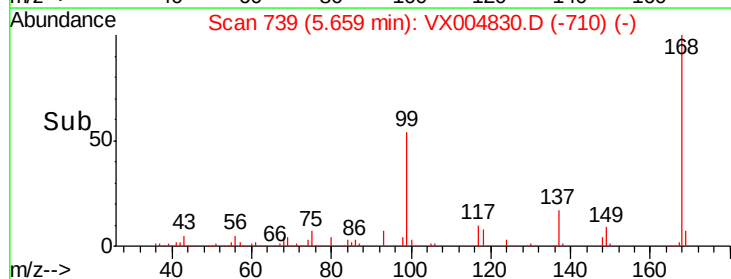
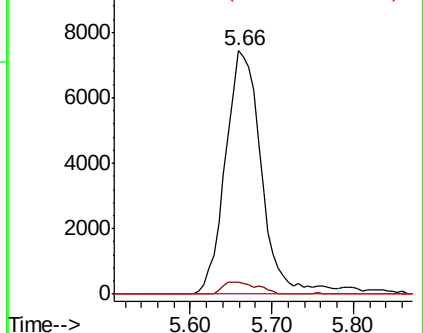
121 0.0 24.9 37.3#

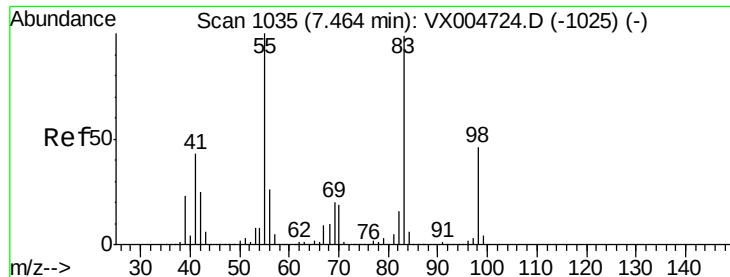


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

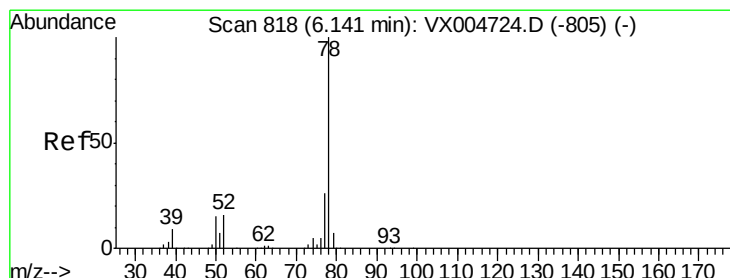
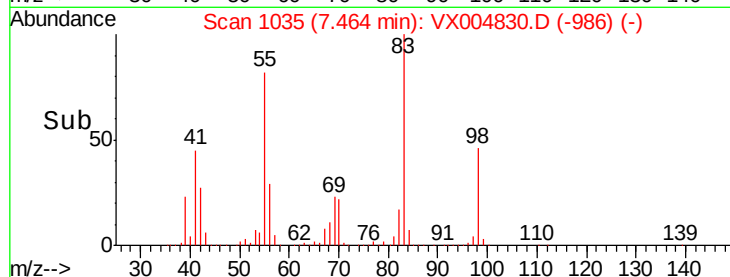
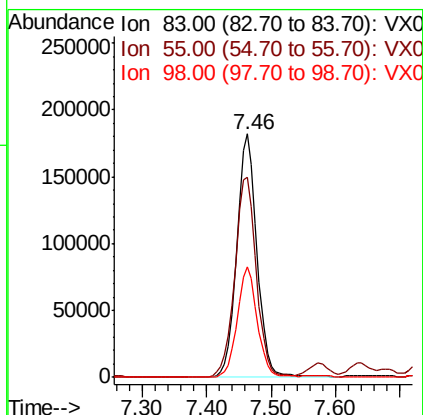
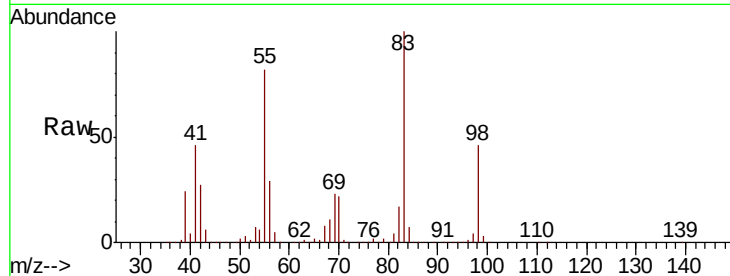




#39
Methylvlcyclohexane
Concen: 85.654 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

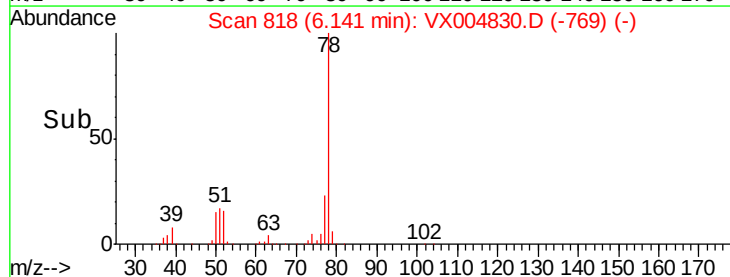
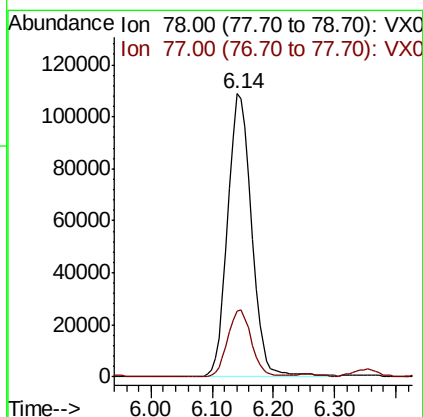
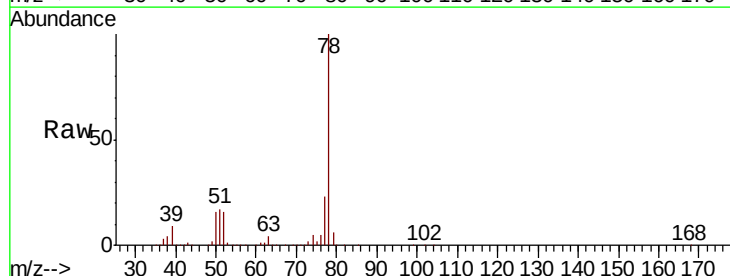
Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333

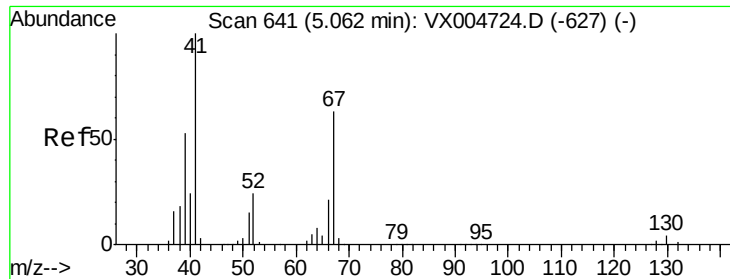
Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	61.0	91.4
98	45.6	39.6	59.4



#40
Benzene
Concen: 20.591 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.4

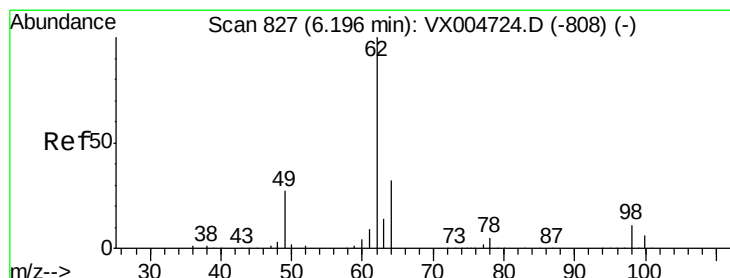
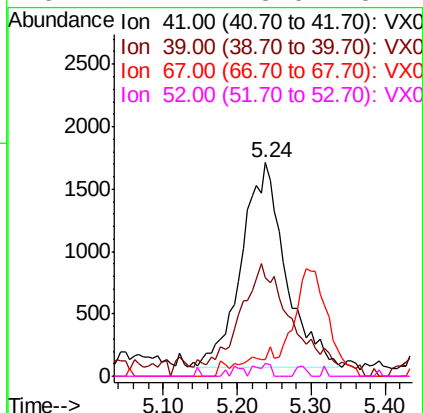
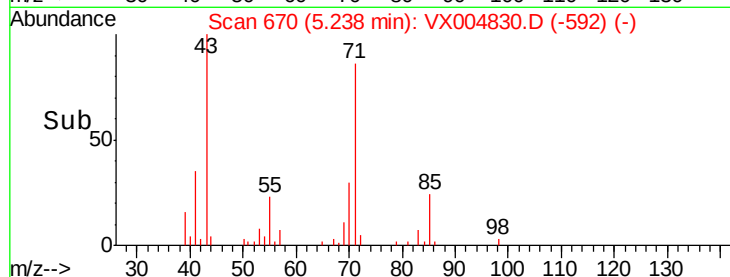
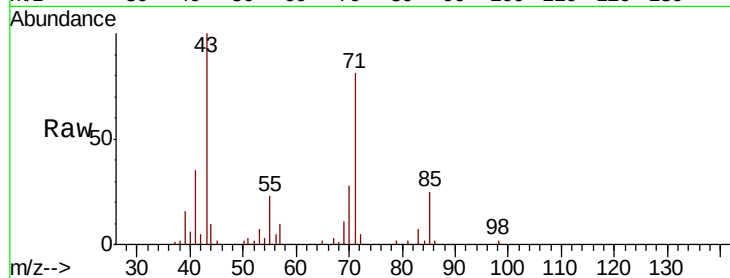




#41
Methacrylonitrile
Concen: 2.001 ug/l
RT: 5.24 min Scan# 670
Delta R.T. 0.18 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

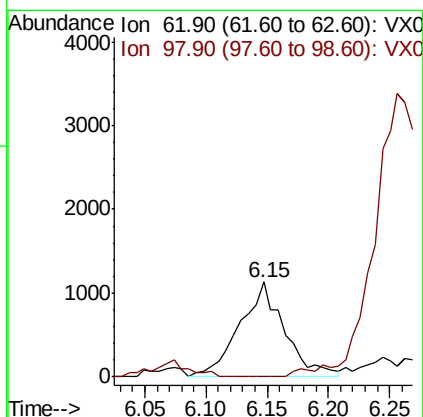
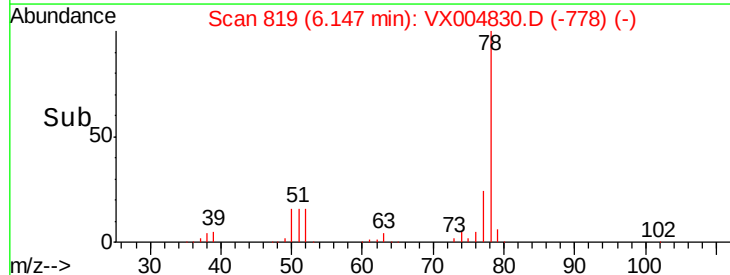
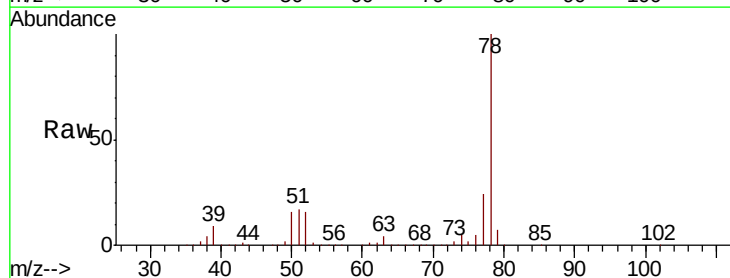
Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333

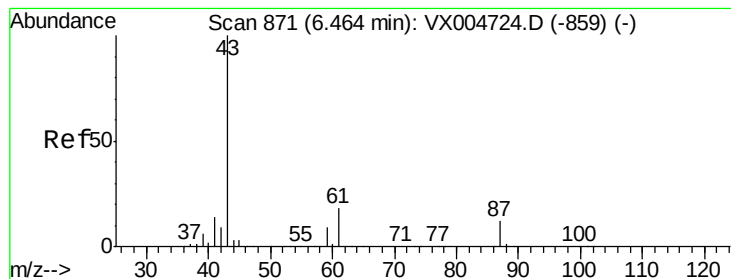
Tot Ion: 41 Resp: 6728
Ion Ratio Lower Upper
41 100
39 54.7 42.4 63.6
67 4.9 59.2 88.8#
52 2.2 23.0 34.4#



#42
1,2-Dichloroethane
Concen: 0.573 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.05 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Tgt Ion: 62 Resp: 2894
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.6



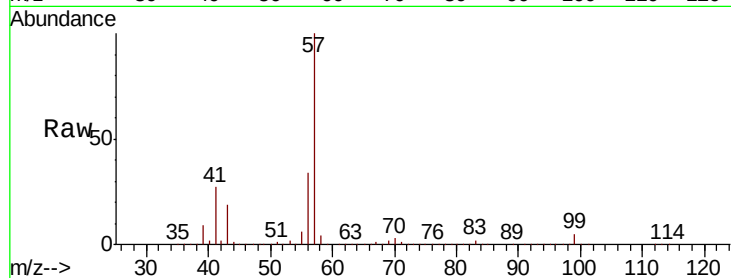


#43

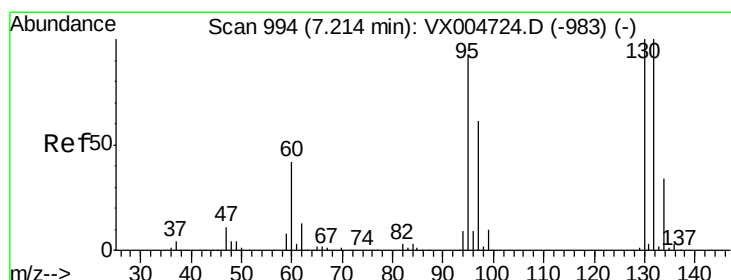
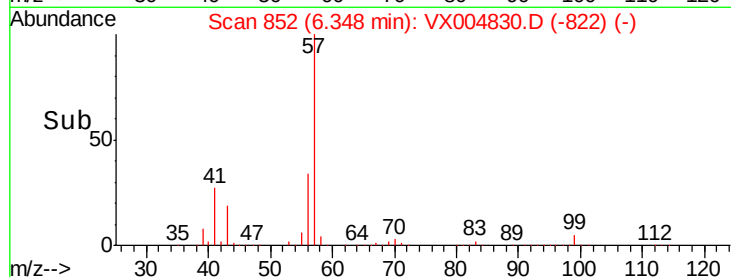
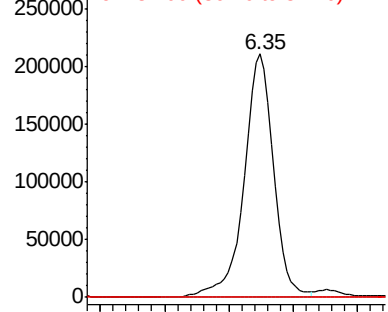
Isopropyl Acetate
 Concen: 77.295 ug/l
 RT: 6.35 min Scan# 852
 Delta R.T. -0.12 min
 Lab File: VX004830.D
 Acq: 28 Sep 2018 19:12

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JBW-7333

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.1	17.0	25.4#
87	0.0	11.4	17.2#



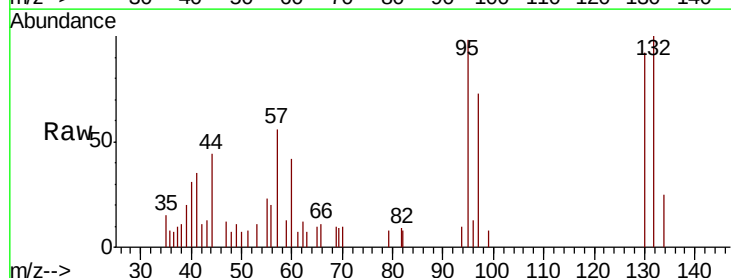
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



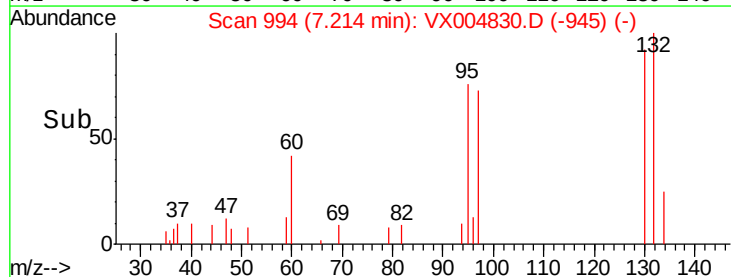
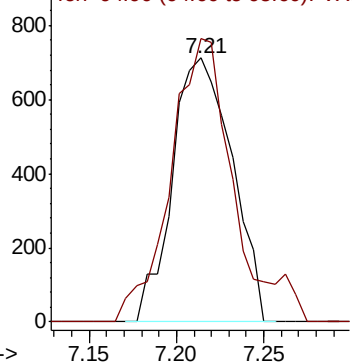
#44

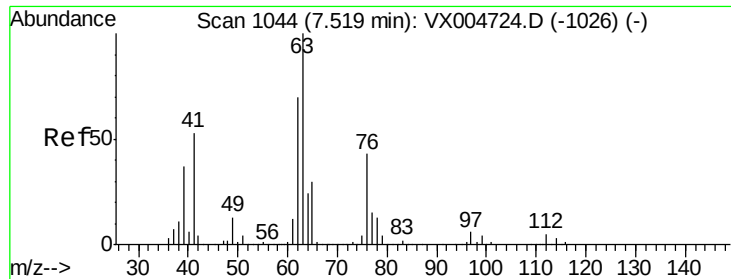
Trichloroethene
 Concen: 0.483 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004830.D
 Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	181.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

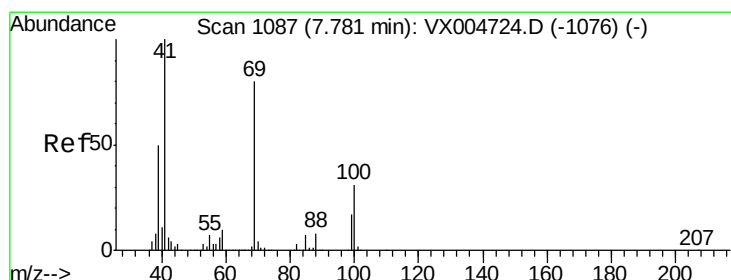
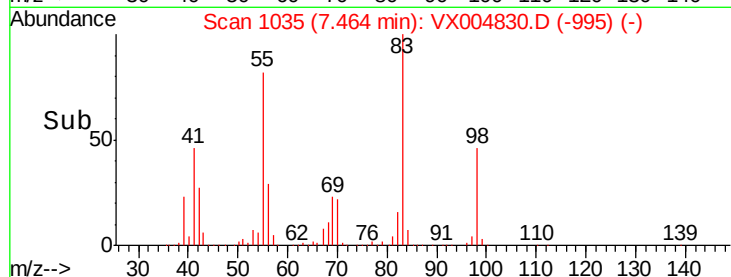
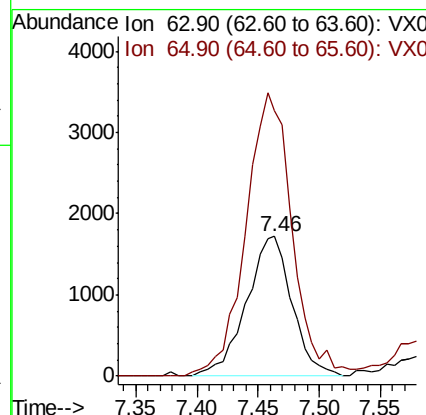
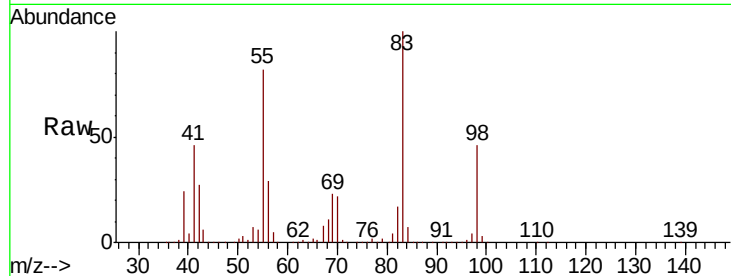




#45
 1,2-Dichloropropane
 Concen: 1.276 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.05 min
 Lab File: VX004830.D
 Acq: 28 Sep 2018 19:12

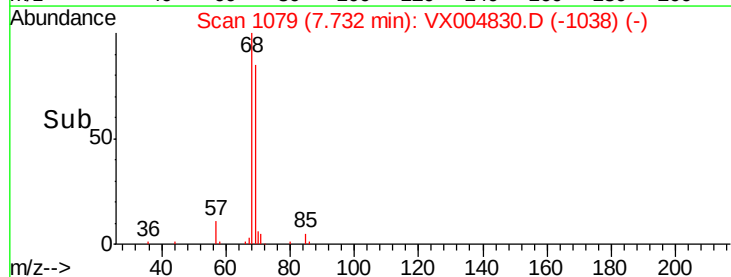
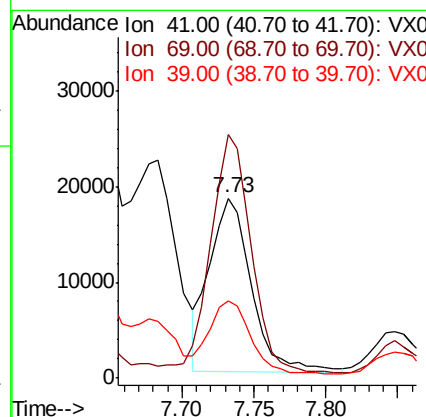
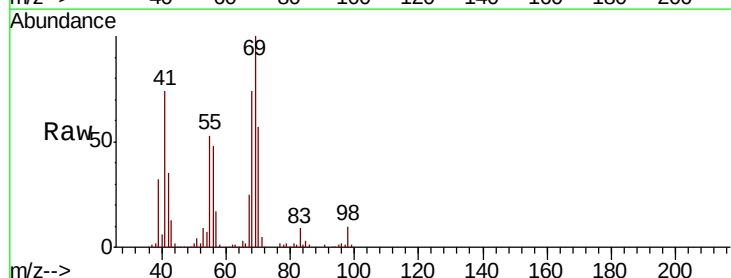
Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JBW-7333

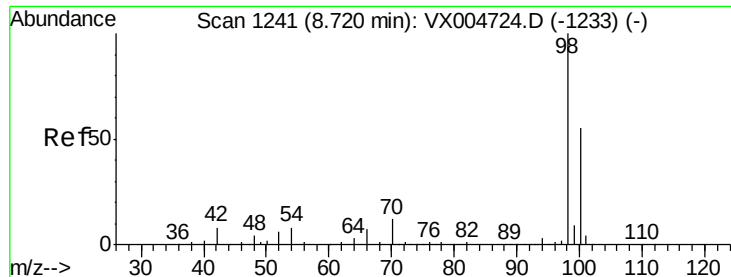
Tot Ion: 63 Resp: 4475
 Ion Ratio Lower Upper
 63 100
 65 186.7 24.3 36.5#



#48
 Methyl methacrylate
 Concen: 9.288 ug/l
 RT: 7.73 min Scan# 1079
 Delta R.T. -0.05 min
 Lab File: VX004830.D
 Acq: 28 Sep 2018 19:12

Tgt Ion: 41 Resp: 36882
 Ion Ratio Lower Upper
 41 100
 69 135.6 70.2 105.4#
 39 41.1 42.7 64.1#





#50

Toluene-d8

Concen: 51.127 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

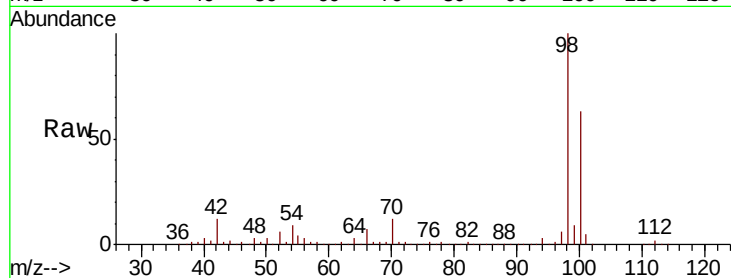
FA18-JBW-7333

Tot Ion: 98 Resp: 56885

Ion Ratio Lower Upper

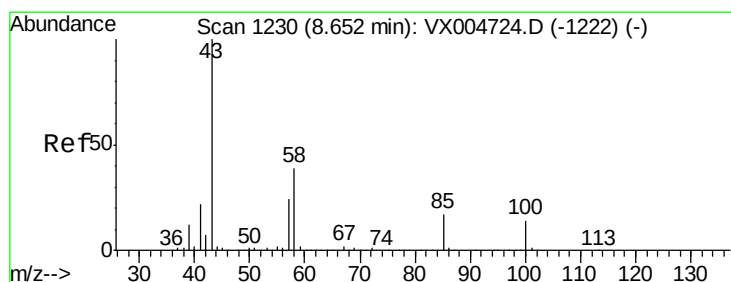
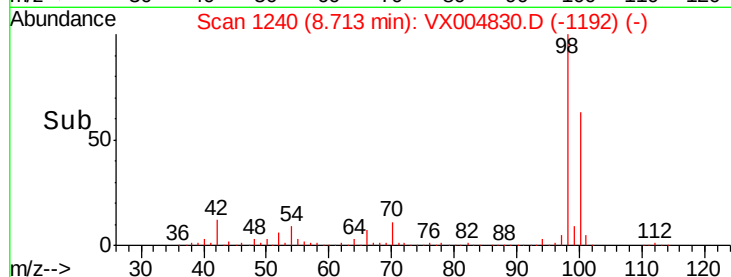
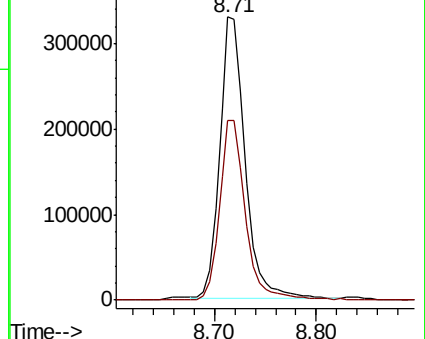
98 100

100 65.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 7.100 ug/l

RT: 8.68 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VX004830.D

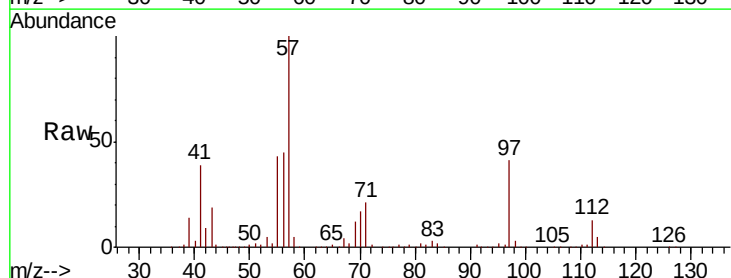
Acq: 28 Sep 2018 19:12

Tgt Ion: 43 Resp: 39110

Ion Ratio Lower Upper

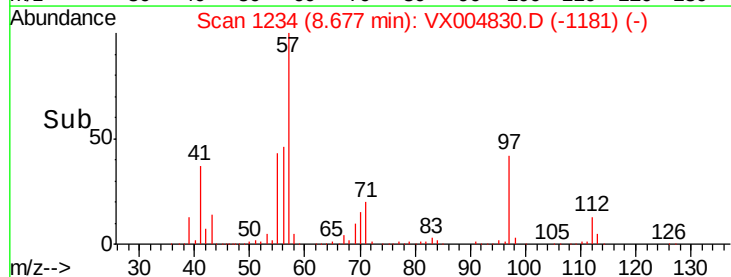
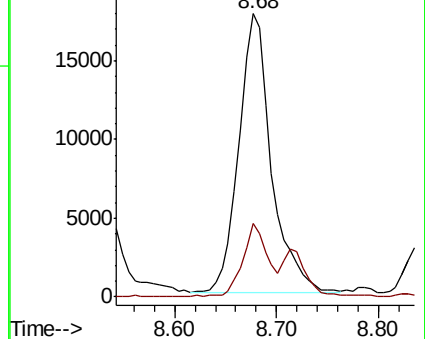
43 100

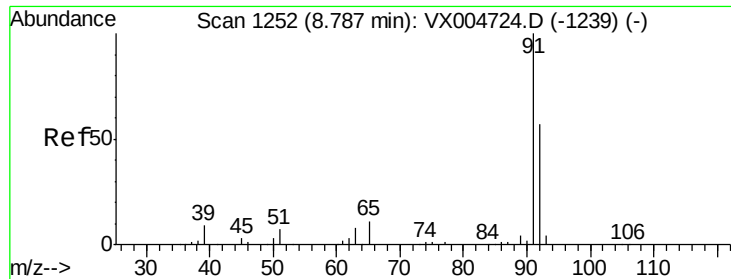
58 20.5 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 4.028 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampled :

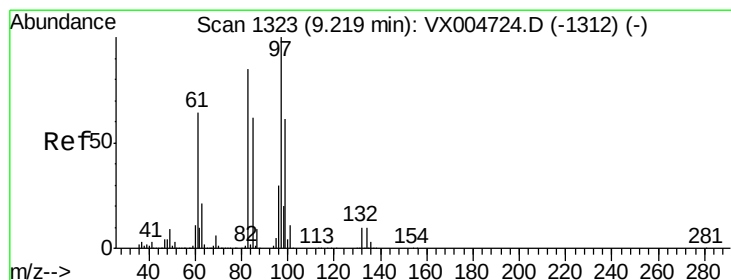
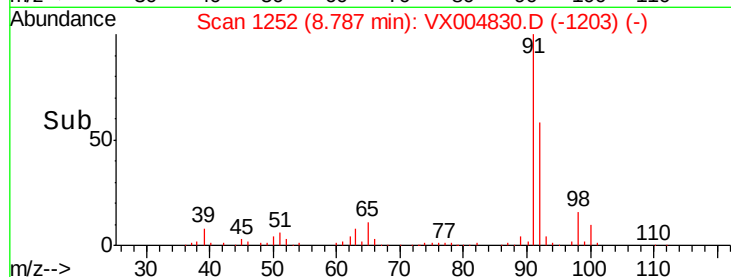
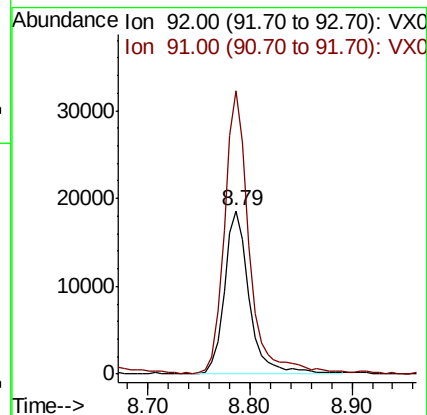
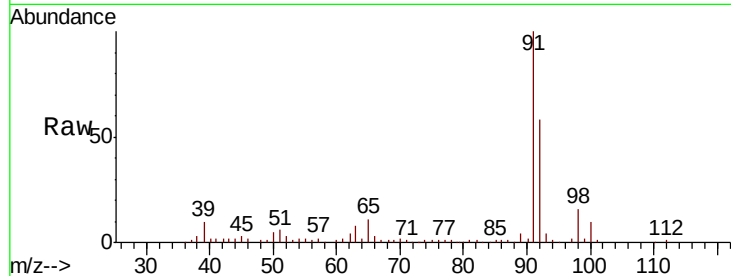
FA18-JBW-7333

Tot Ion: 92 Resp: 31642

Ion Ratio Lower Upper

92 100

91 170.3 136.4 204.6



#55

1,1,2-Trichloroethane

Concen: 11.234 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Tgt Ion: 97 Resp: 38656

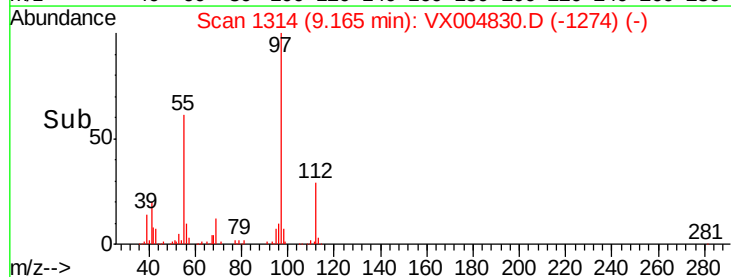
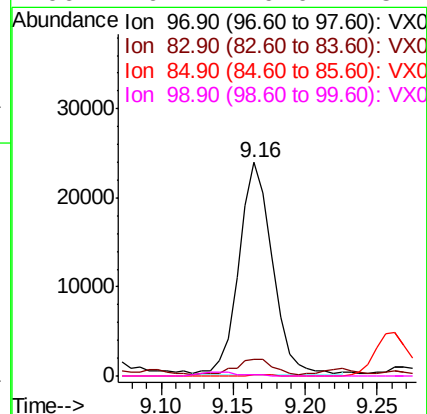
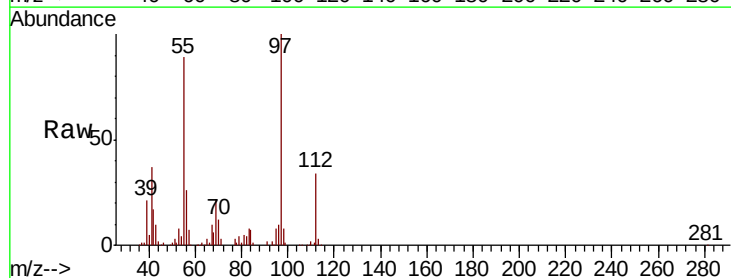
Ion Ratio Lower Upper

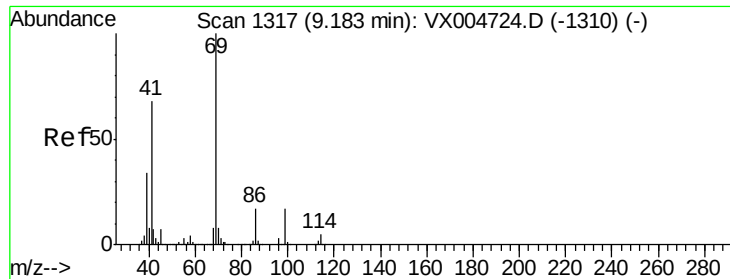
97 100

83 7.2 66.4 99.6#

85 0.3 43.3 64.9#

99 0.7 49.0 73.4#





#56

Ethyl methacrylate

Concen: 4.338 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333

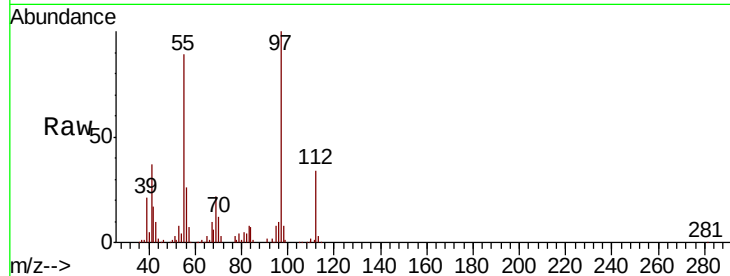
Tot Ion: 69 Resp: 8740

Ion Ratio Lower Upper

69 100

41 169.1 51.0 76.4#

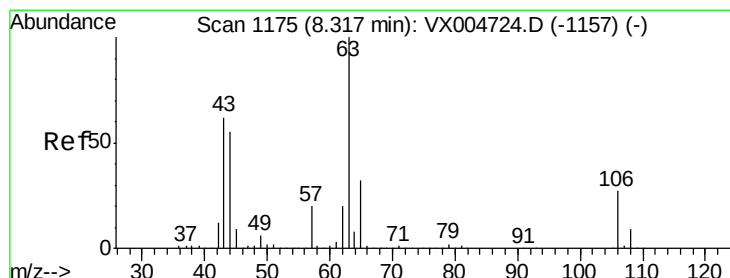
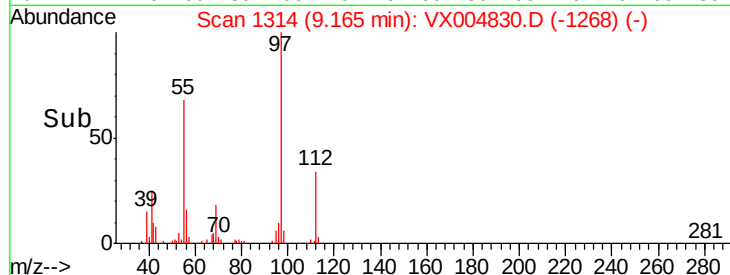
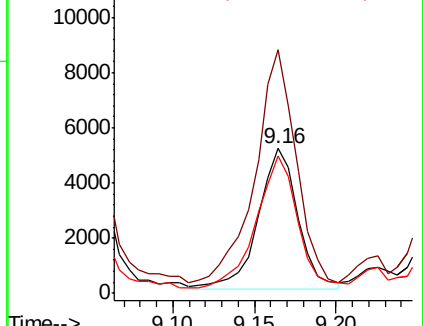
39 96.1 26.1 39.1#



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: 14.286 ug/l

RT: 8.29 min Scan# 1171

Delta R.T. -0.02 min

Lab File: VX004830.D

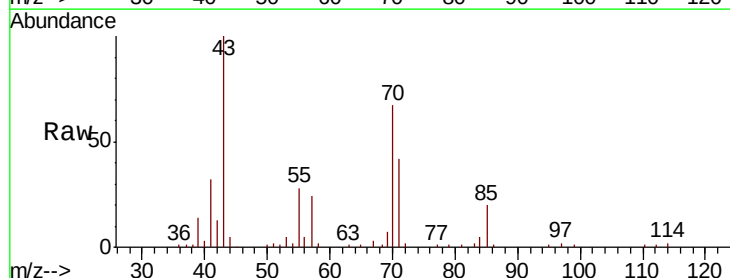
Acq: 28 Sep 2018 19:12

Tgt Ion: 63 Resp: 139

Ion Ratio Lower Upper

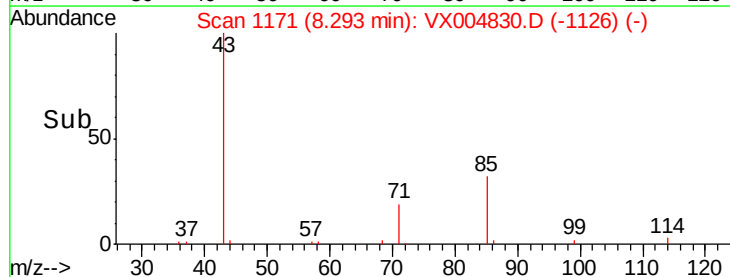
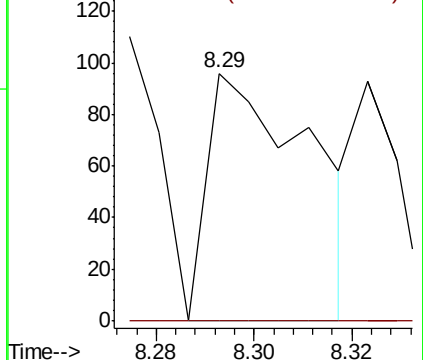
63 100

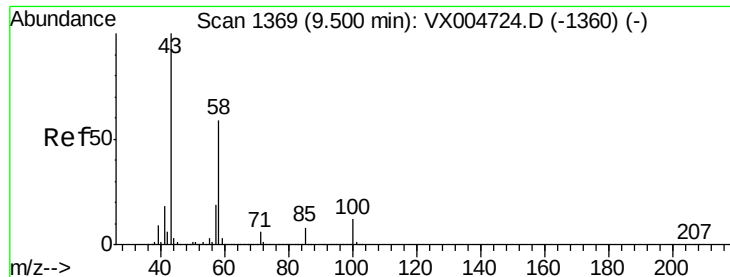
106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

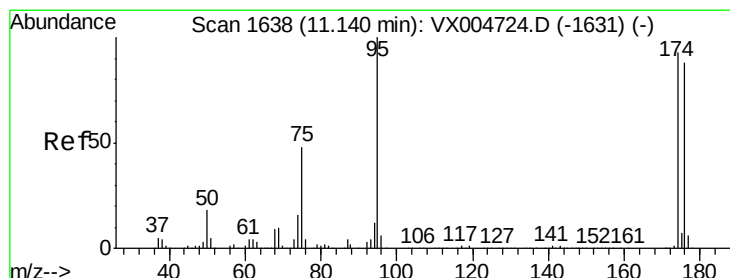
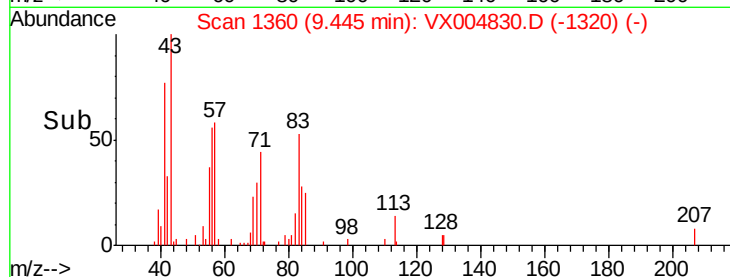
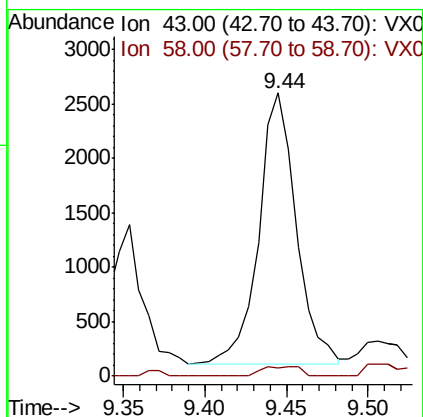
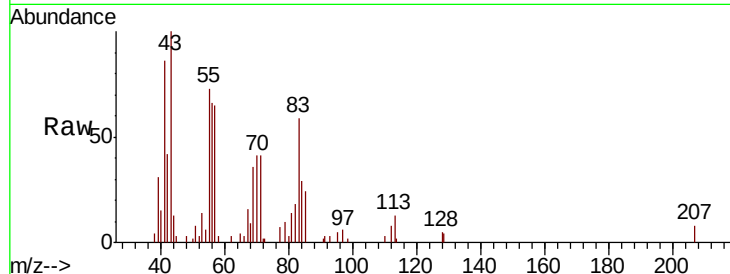




#59
2-Hexanone
Concen: 0.861 ug/l
RT: 9.44 min Scan# 1360
Delta R.T. -0.05 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

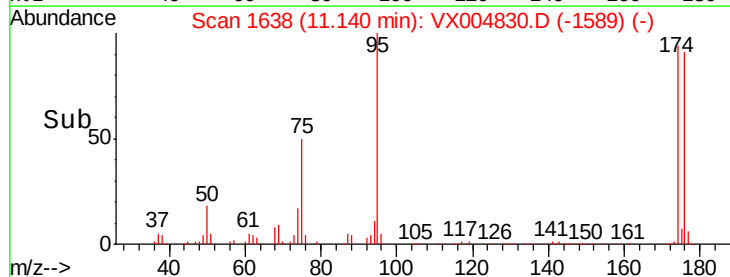
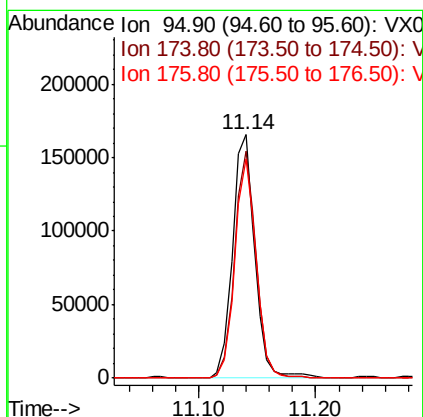
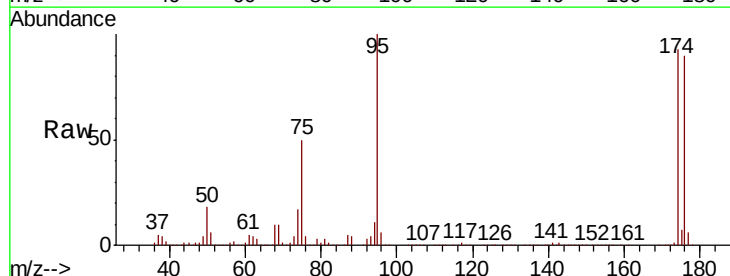
Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333

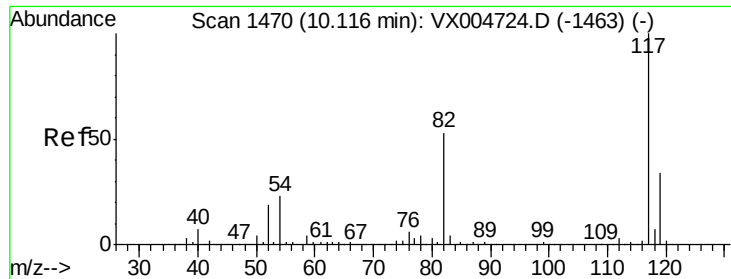
Tot Ion: 43 Resp: 3953
Ion Ratio Lower Upper
43 100
58 3.6 29.0 87.0#



#62
4-Bromofluorobenzene
Concen: 55.132 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Tgt Ion: 95 Resp: 220999
Ion Ratio Lower Upper
95 100
174 89.7 0.0 185.2
176 86.4 0.0 178.6

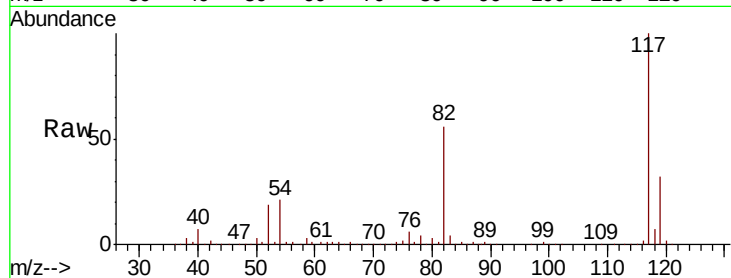




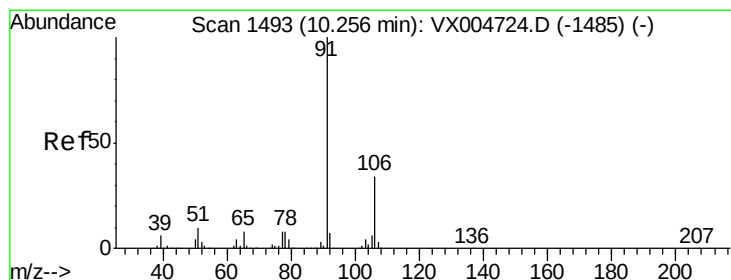
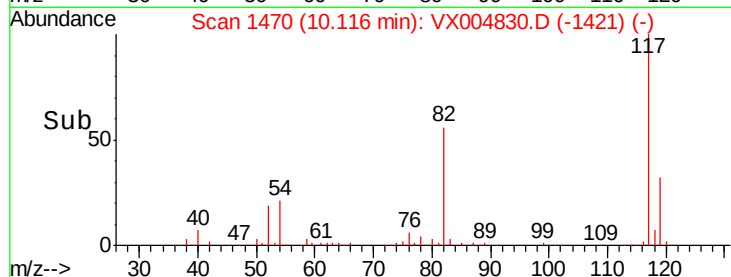
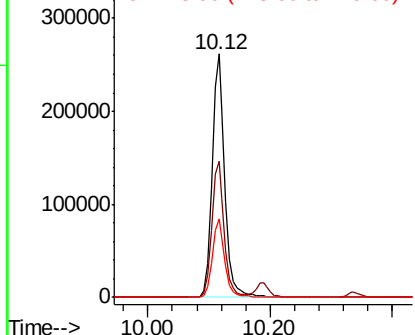
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333

Tot Ion:117 Resp: 384603
Ion Ratio Lower Upper
117 100
82 55.7 47.8 71.6
119 32.4 29.3 43.9

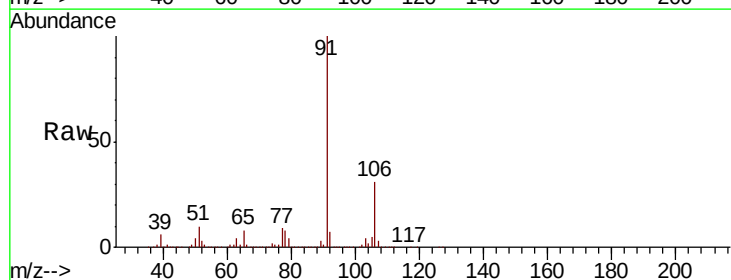


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

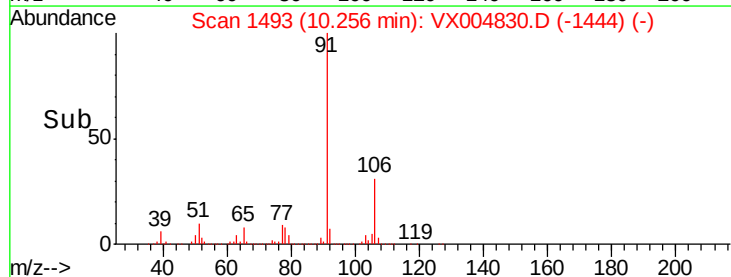
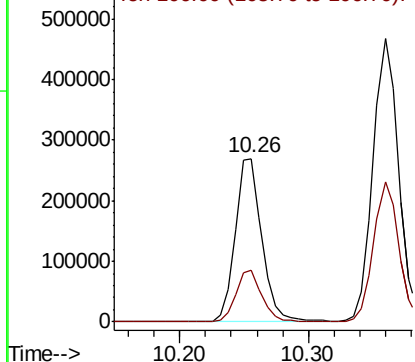


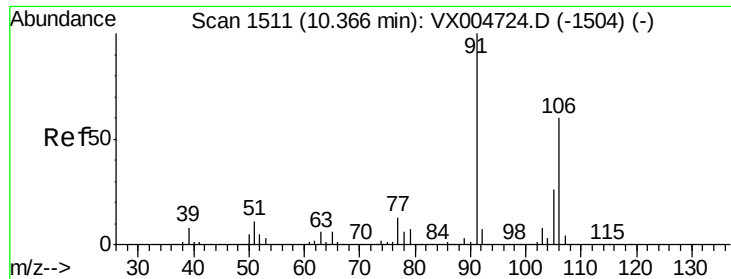
#67
Ethyl Benzene
Concen: 24.659 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Tgt Ion: 91 Resp: 386105
Ion Ratio Lower Upper
91 100
106 31.4 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 51.518 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampled :

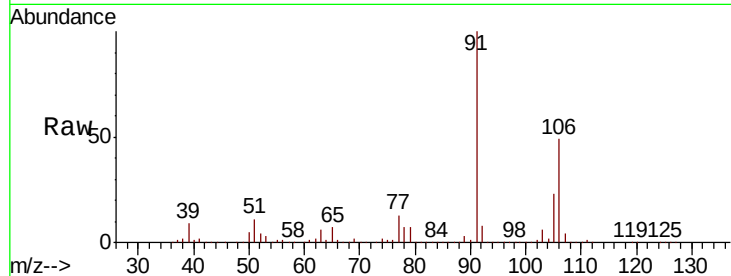
FA18-JBW-7333

Tot Ion:106 Resp: 315219

Ion Ratio Lower Upper

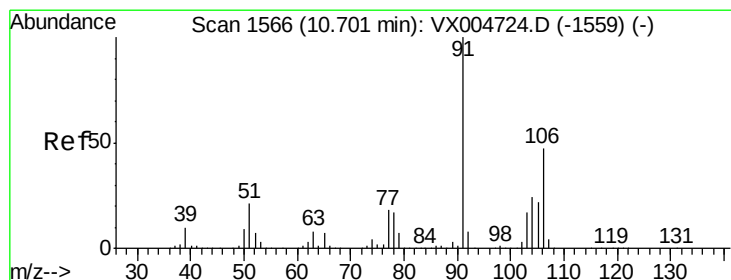
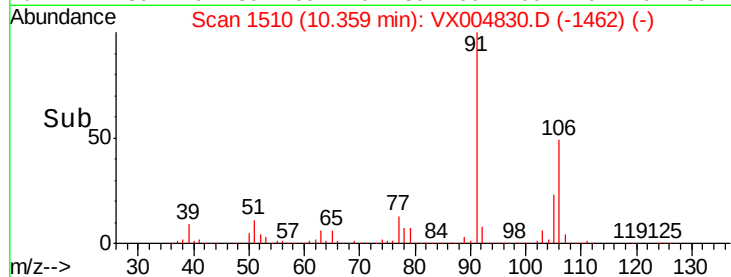
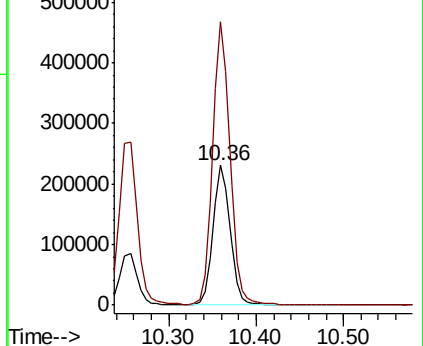
106 100

91 205.2 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 1.388 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX004830.D

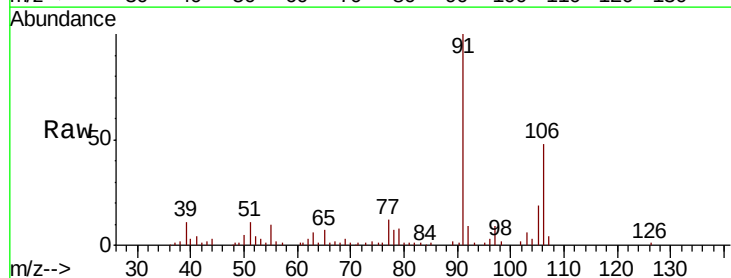
Acq: 28 Sep 2018 19:12

Tgt Ion:106 Resp: 7800

Ion Ratio Lower Upper

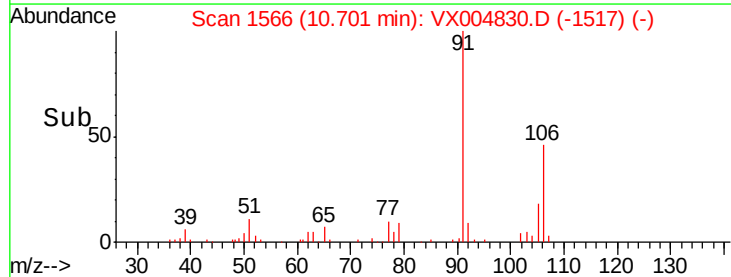
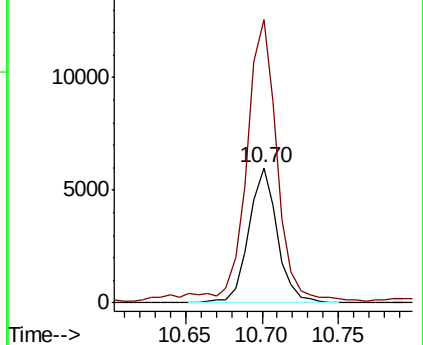
106 100

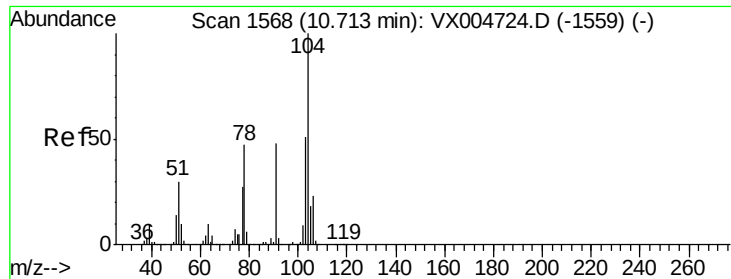
91 226.4 105.1 315.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 2.213 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampled :

FA18-JBW-7333

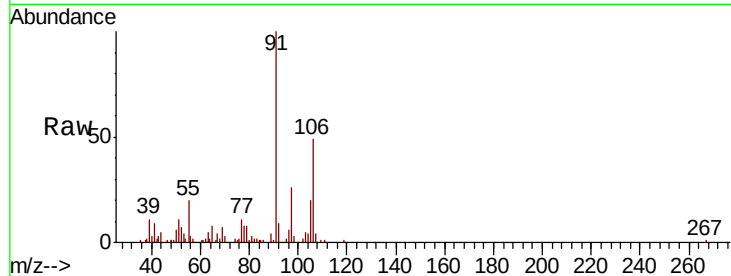
Tot Ion:104 Resp: 793

Ion Ratio Lower Upper

104 100

78 169.6 37.4 56.0#

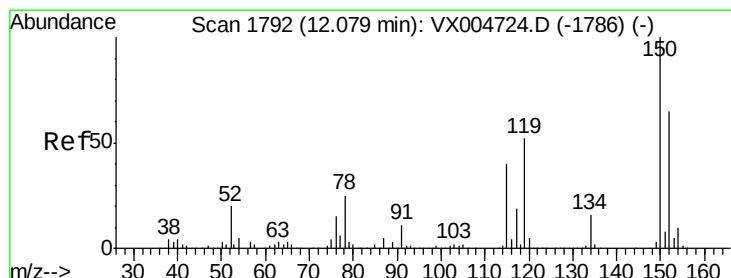
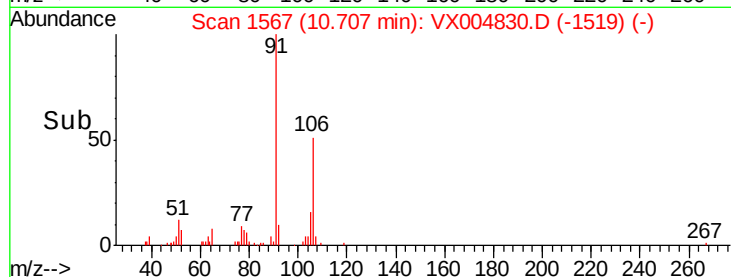
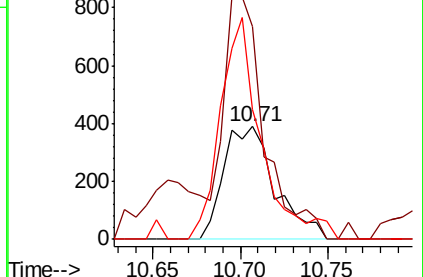
103 157.1 43.8 65.6#



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: VX004830.D

Acq: 28 Sep 2018 19:12

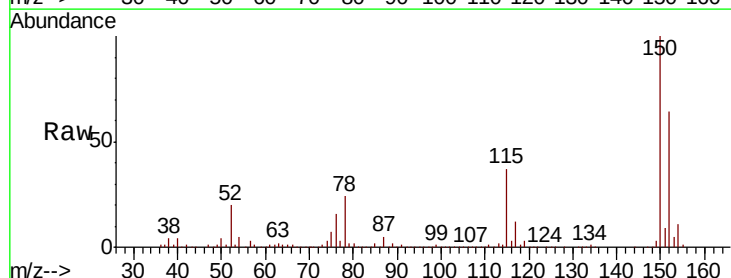
Tgt Ion:152 Resp: 229930

Ion Ratio Lower Upper

152 100

115 57.0 39.0 117.0

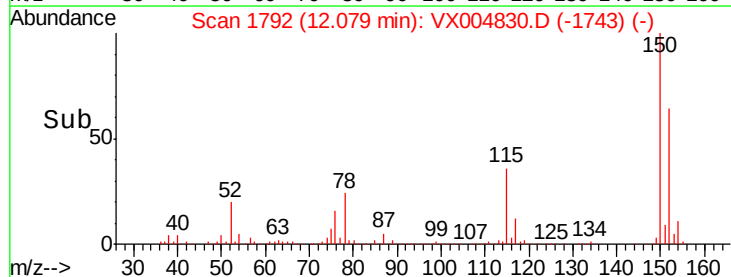
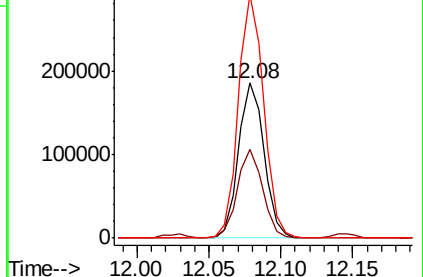
150 155.2 0.0 351.0

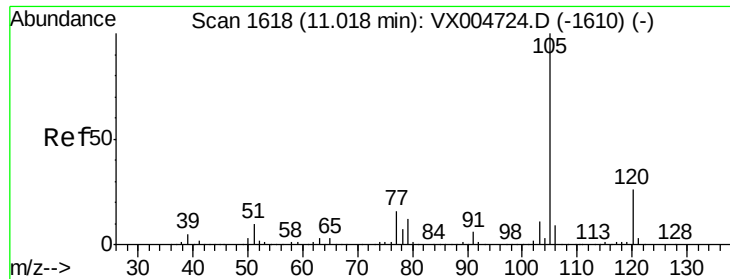


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 10.298 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

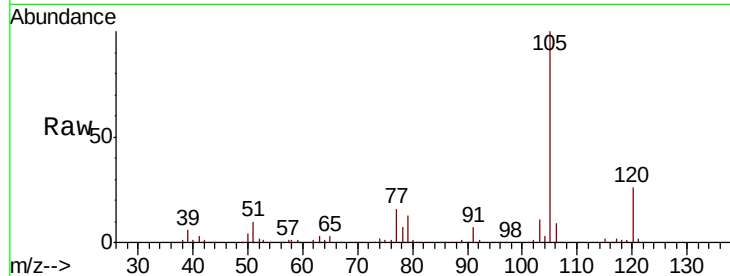
FA18-JBW-7333

Tot Ion:105 Resp: 149250

Ion Ratio Lower Upper

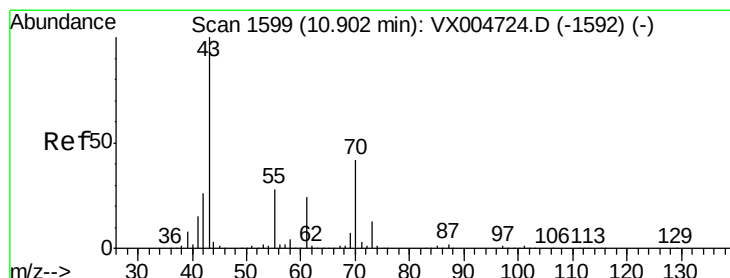
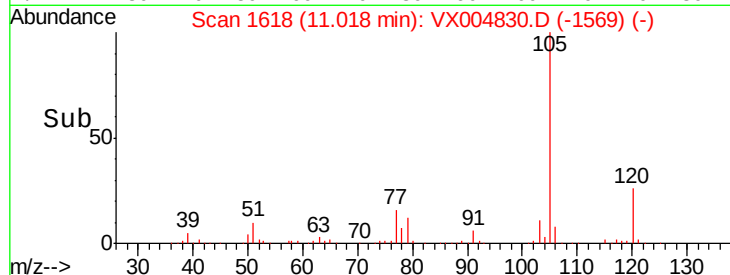
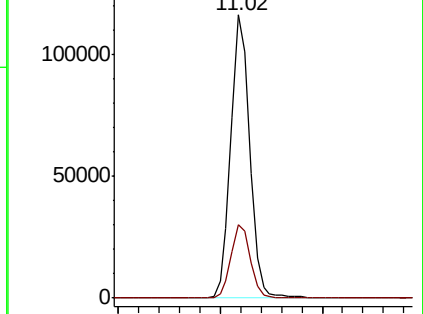
105 100

120 26.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.876 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Tgt Ion: 43 Resp: 1058

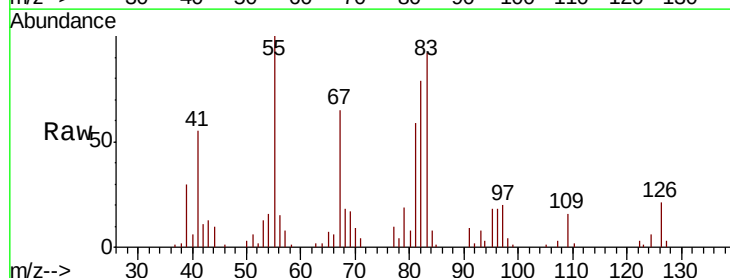
Ion Ratio Lower Upper

43 100

70 90.7 37.4 56.0#

55 753.5 21.8 32.8#

61 0.0 20.6 30.8#

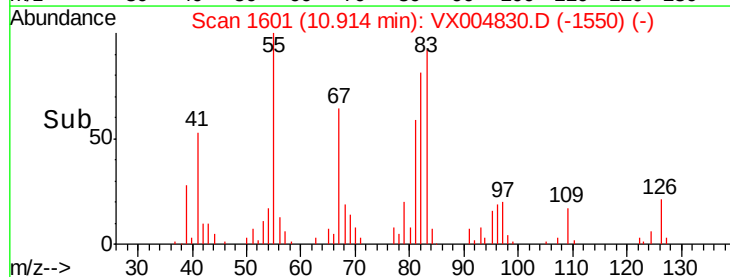
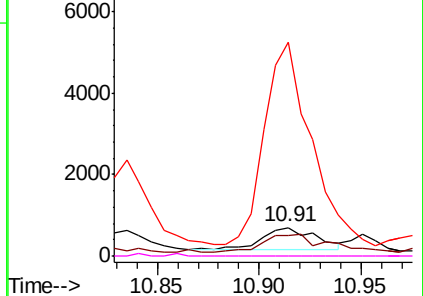


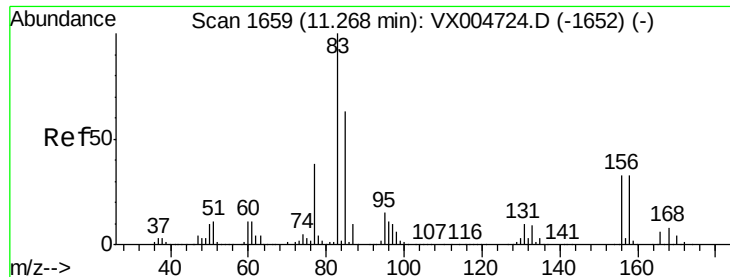
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 0.277 ug/l

RT: 11.28 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333

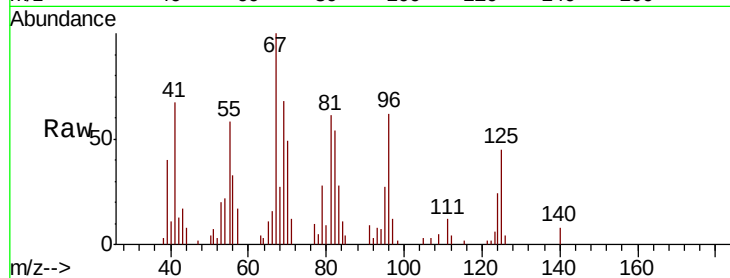
Tot Ion: 83 Resp: 1637

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

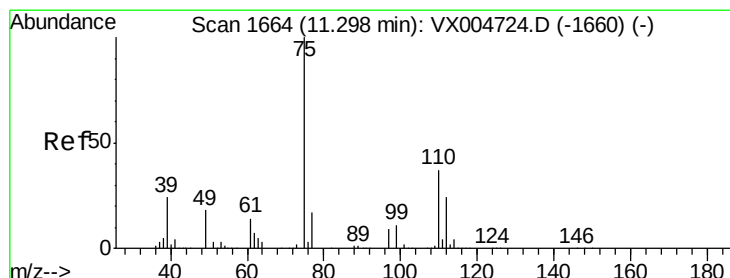
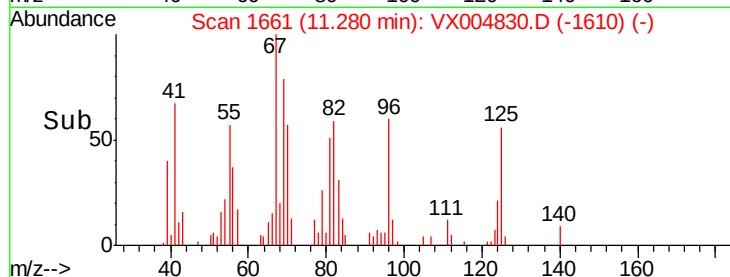
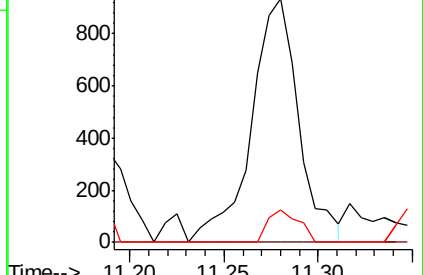
85 8.6 32.3 96.8#



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: 0.693 ug/l

RT: 11.46 min Scan# 1690

Delta R.T. 0.16 min

Lab File: VX004830.D

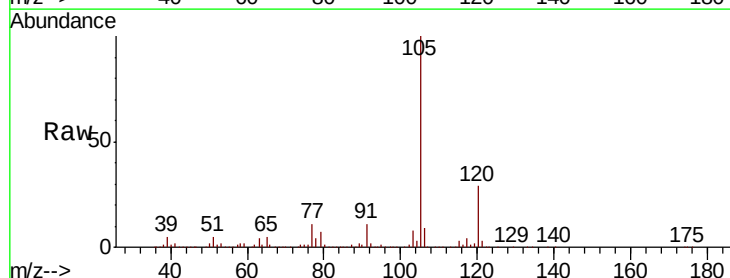
Acq: 28 Sep 2018 19:12

Tgt Ion: 75 Resp: 3569

Ion Ratio Lower Upper

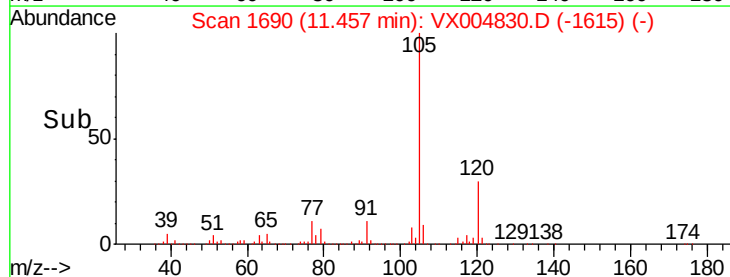
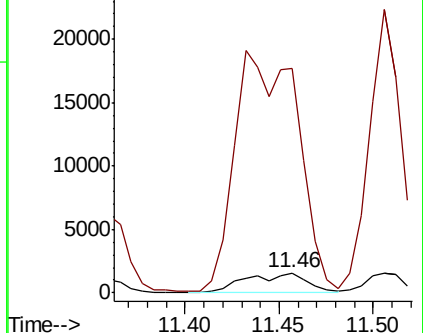
75 100

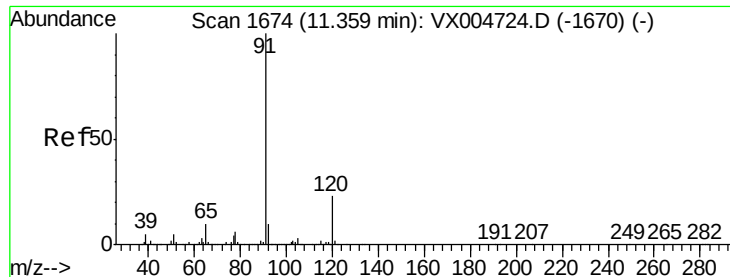
77 0.0 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

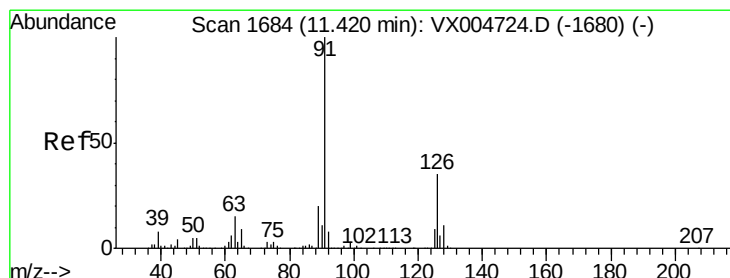
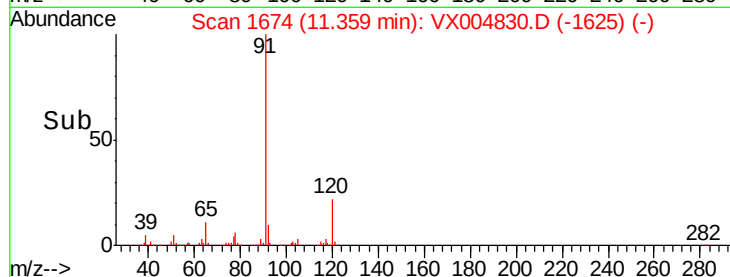
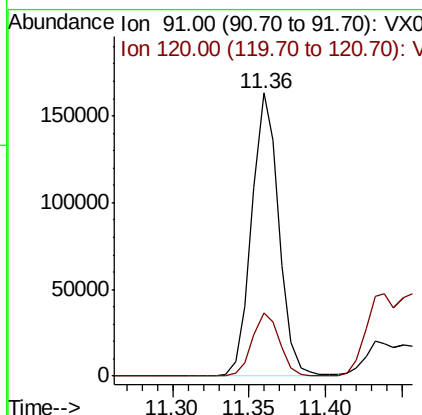
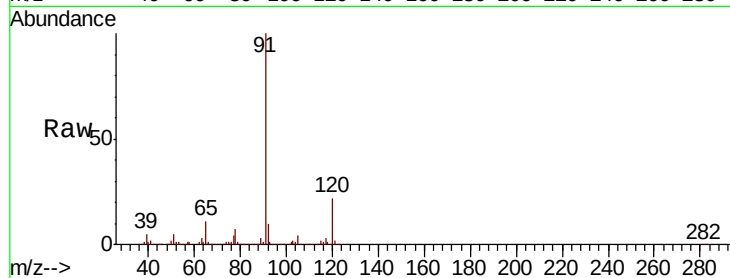




#78
n-propylbenzene
Concen: 12.109 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

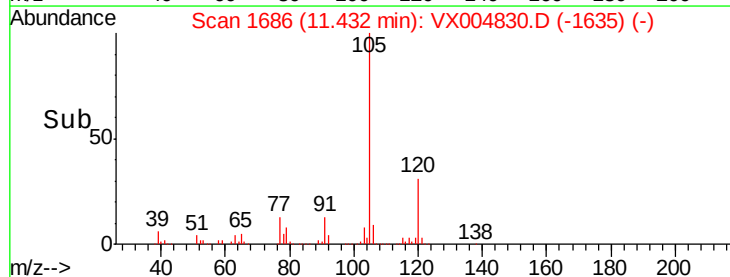
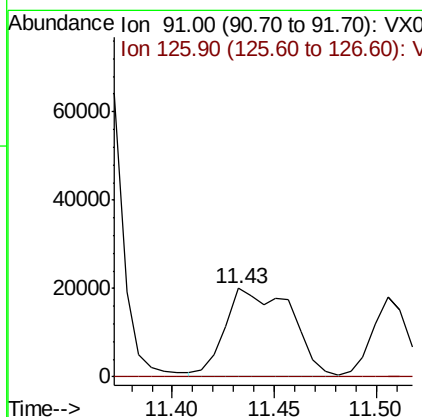
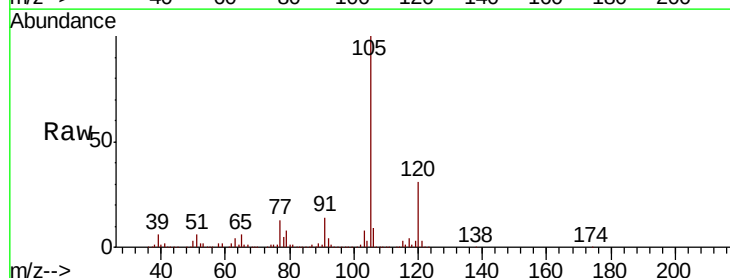
Instrument :
MSVOA_X
ClientSampled :
FA18-JBW-7333

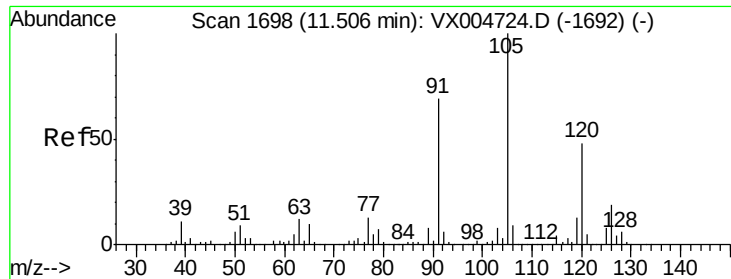
Tot Ion: 91 Resp: 201358
Ion Ratio Lower Upper
91 100
120 22.6 11.9 35.9



#79
2-Chlorotoluene
Concen: 4.345 ug/l
RT: 11.43 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Tgt Ion: 91 Resp: 45040
Ion Ratio Lower Upper
91 100
126 0.0 17.9 53.7#

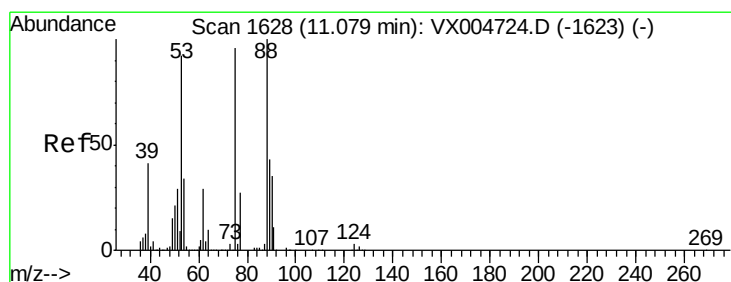
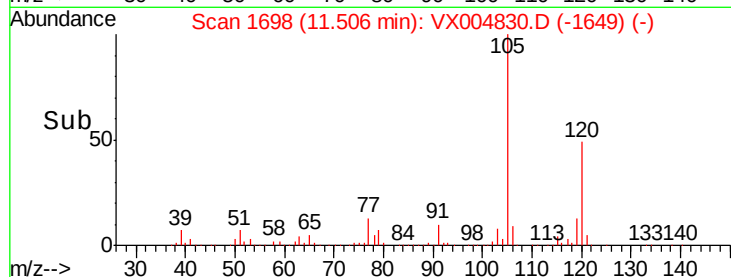
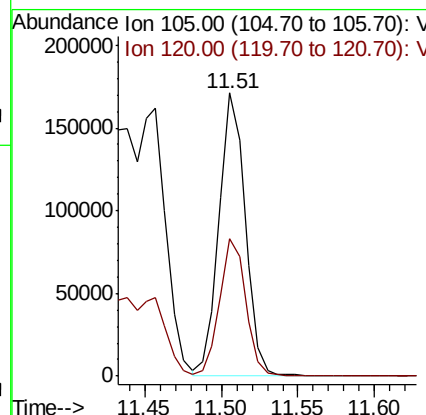
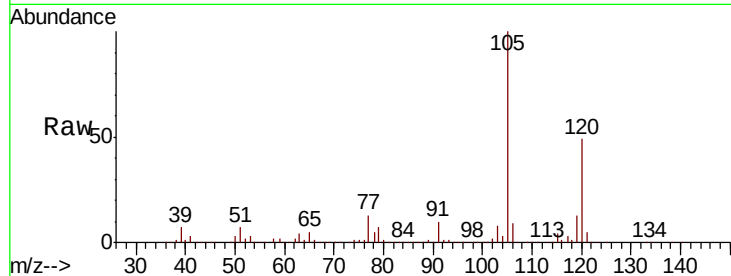




#80
 1,3,5-Trimethylbenzene
 Concen: 15.278 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004830.D
 Acq: 28 Sep 2018 19:12

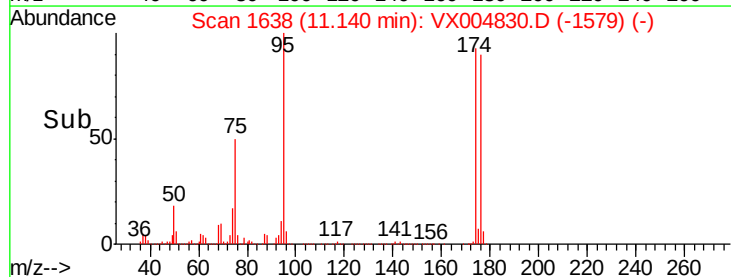
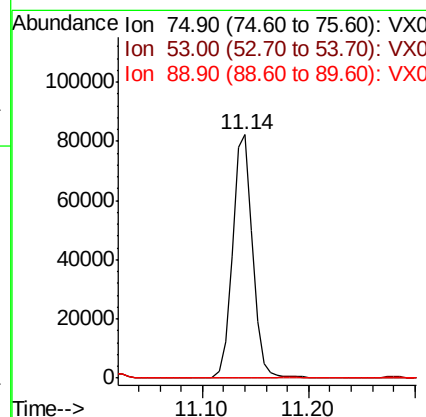
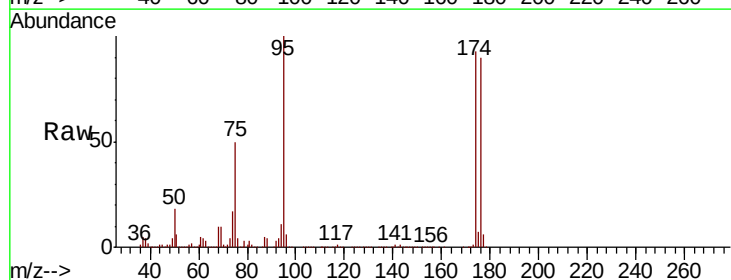
Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JBW-7333

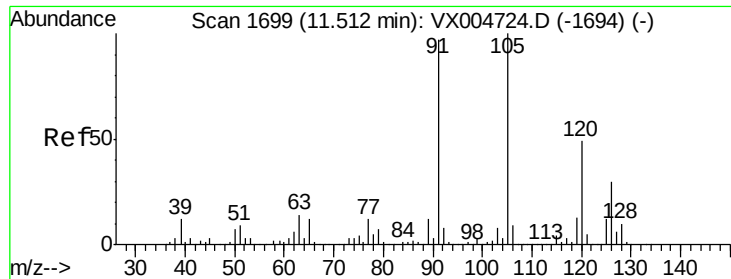
Tot Ion:105 Resp: 204767
 Ion Ratio Lower Upper
 105 100
 120 48.5 25.6 76.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.099 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004830.D
 Acq: 28 Sep 2018 19:12

Tgt Ion: 75 Resp: 108448
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.1 120.1#
 89 0.0 37.2 55.8#





#82

4-Chlorotoluene

Concen: 1.794 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

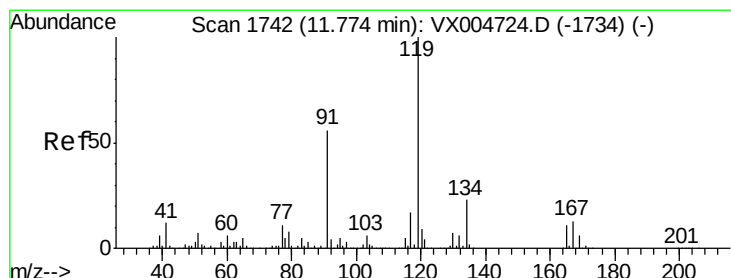
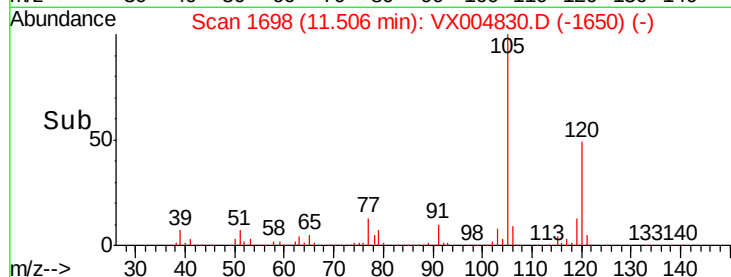
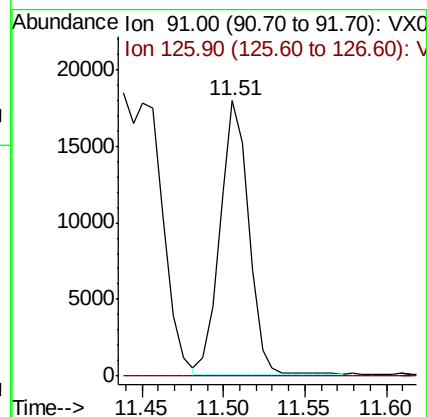
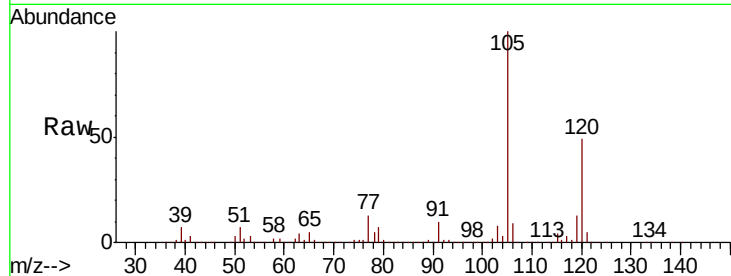
FA18-JBW-7333

Tot Ion: 91 Resp: 21885

Ion Ratio Lower Upper

91 100

126 0.1 15.5 46.5#



#83

tert-Butylbenzene

Concen: 0.599 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

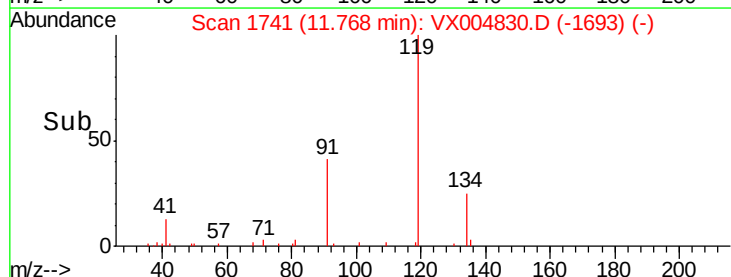
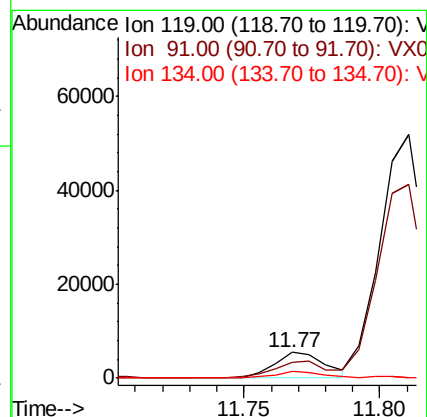
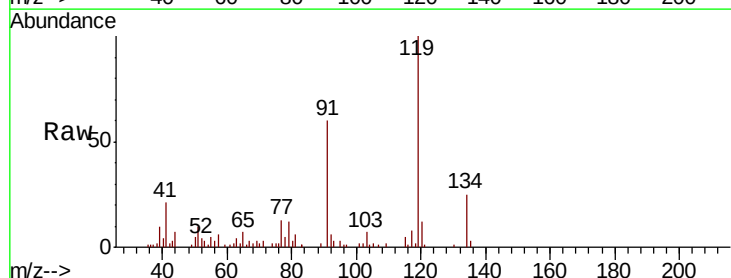
Tgt Ion: 119 Resp: 7148

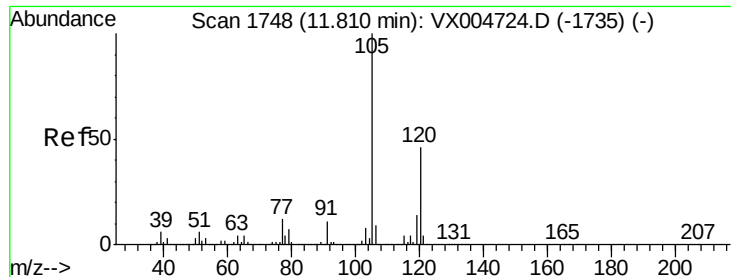
Ion Ratio Lower Upper

119 100

91 66.9 27.0 81.0

134 23.8 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 36.580 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

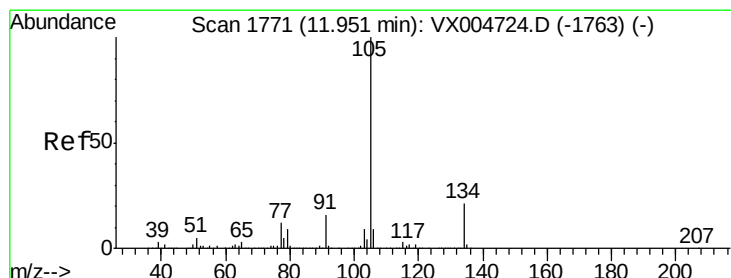
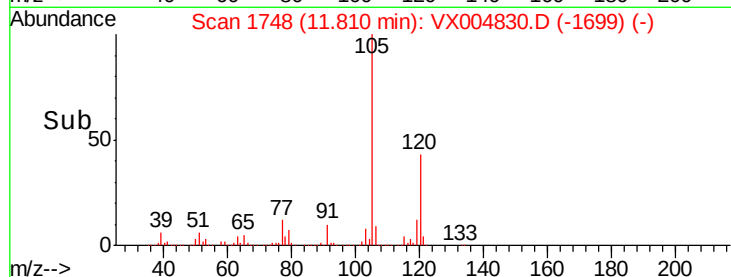
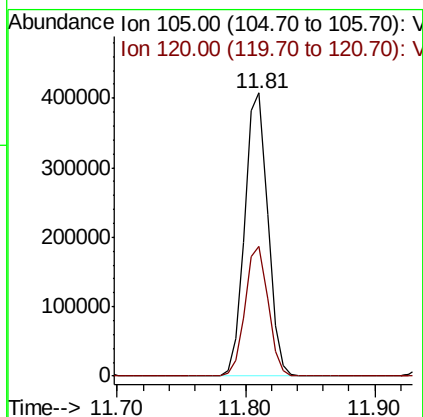
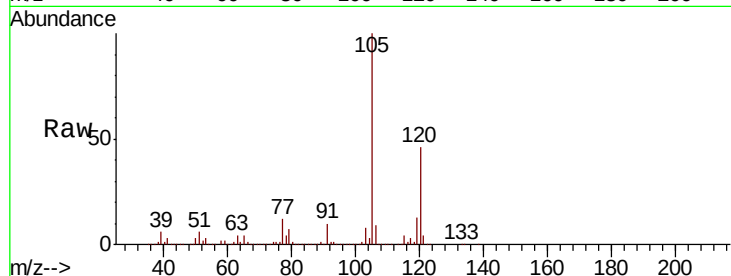
FA18-JBW-7333

Tot Ion:105 Resp: 501815

Ion Ratio Lower Upper

105 100

120 46.1 23.2 69.6



#85

sec-Butylbenzene

Concen: 4.664 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004830.D

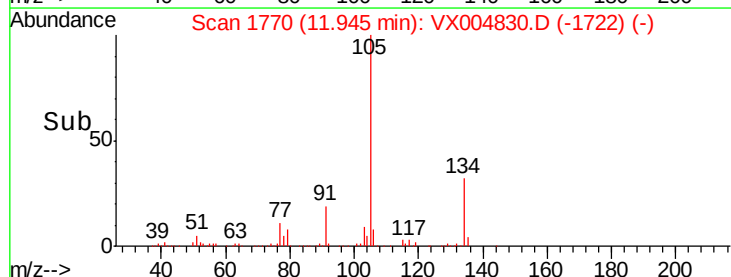
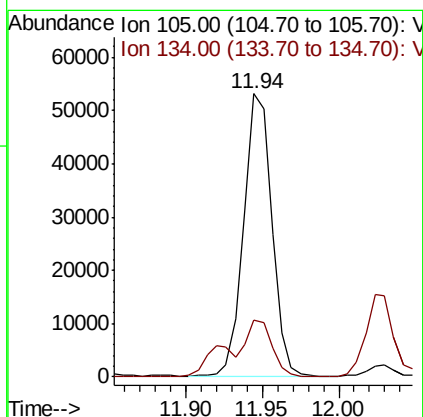
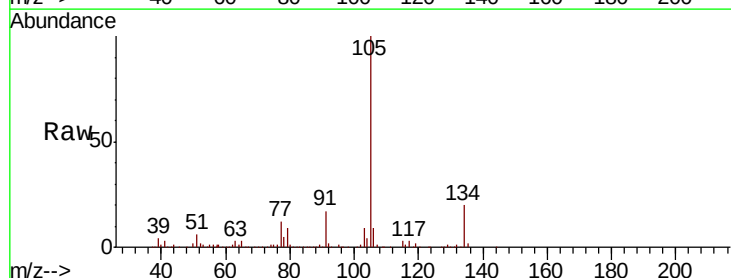
Acq: 28 Sep 2018 19:12

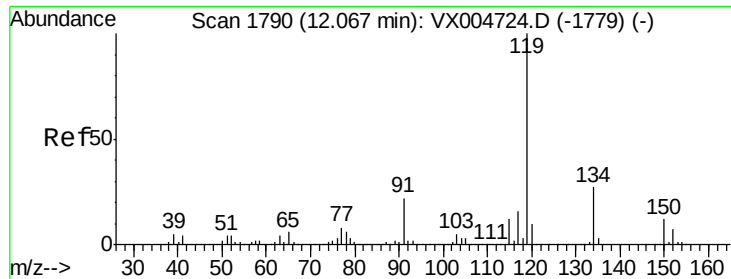
Tgt Ion:105 Resp: 67790

Ion Ratio Lower Upper

105 100

134 19.0 10.5 31.5

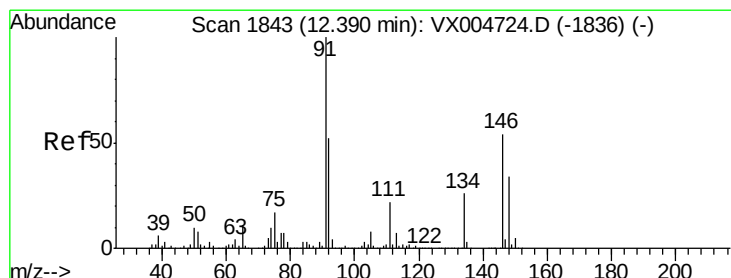
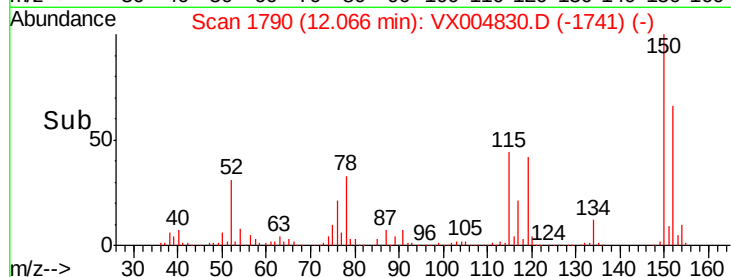
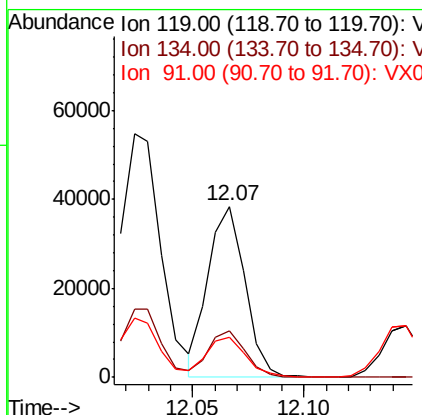
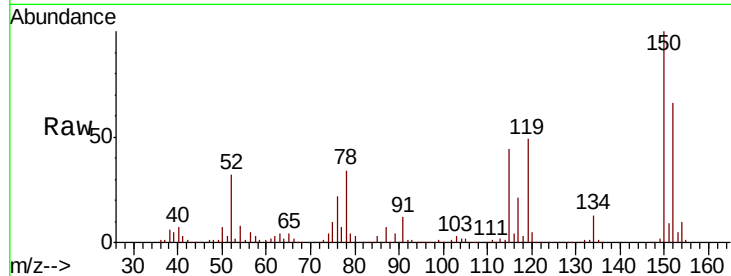




#86
 p-Isopropyltoluene
 Concen: 3.333 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX004830.D
 Acq: 28 Sep 2018 19:12

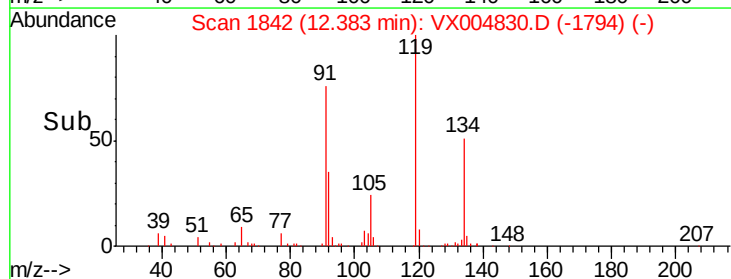
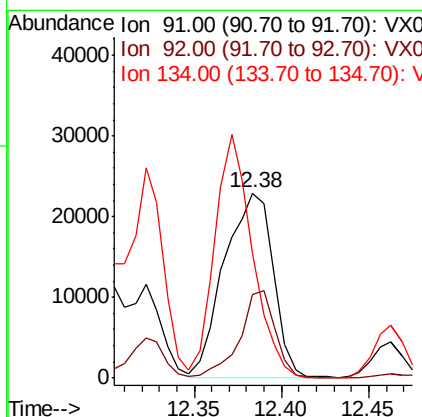
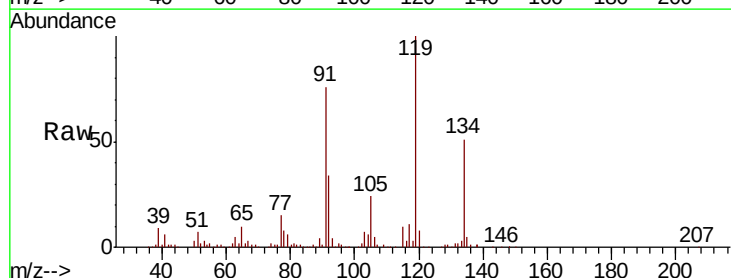
Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JBW-7333

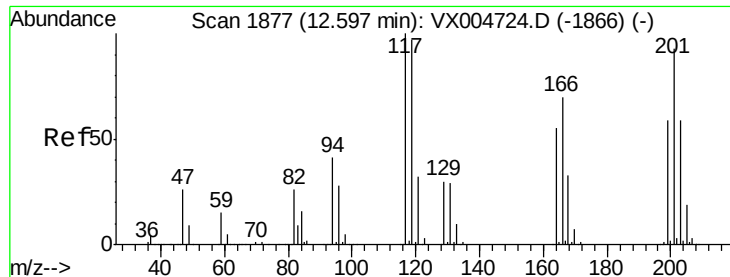
Tot Ion: 119 Resp: 43892
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.4 40.2
 91 25.0 10.9 32.7



#89
 n-Butylbenzene
 Concen: 3.687 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: VX004830.D
 Acq: 28 Sep 2018 19:12

Tgt Ion: 91 Resp: 44098
 Ion Ratio Lower Upper
 91 100
 92 35.0 27.3 81.9
 134 101.8 13.6 40.7#





#90

Hexachloroethane

Concen: 2.830 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

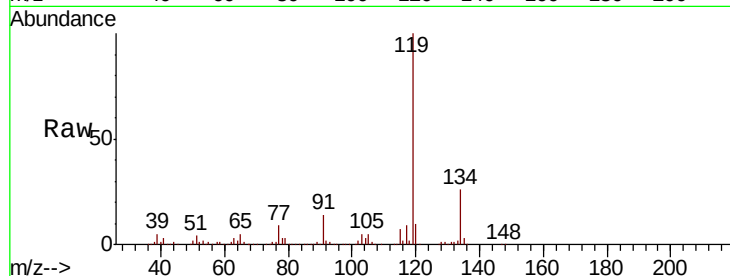
FA18-JBW-7333

Tot Ion:117 Resp: 6205

Ion Ratio Lower Upper

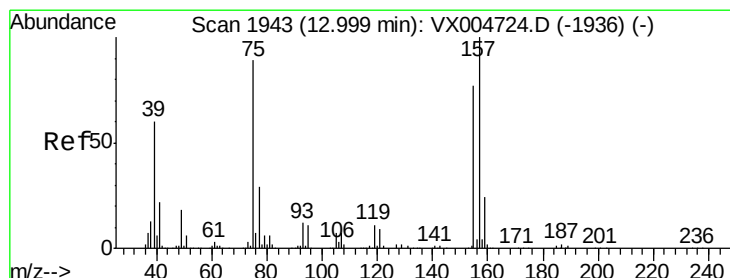
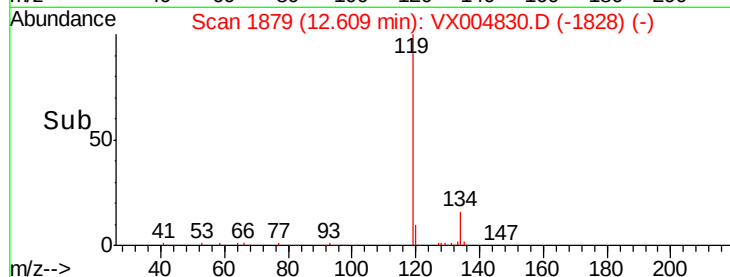
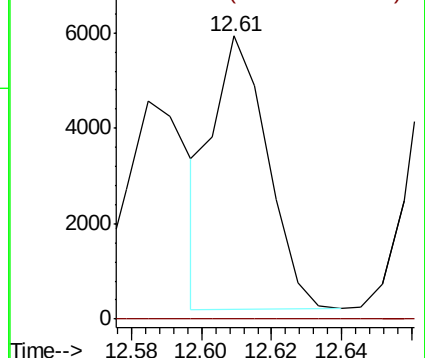
117 100

201 0.0 46.9 140.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.674 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

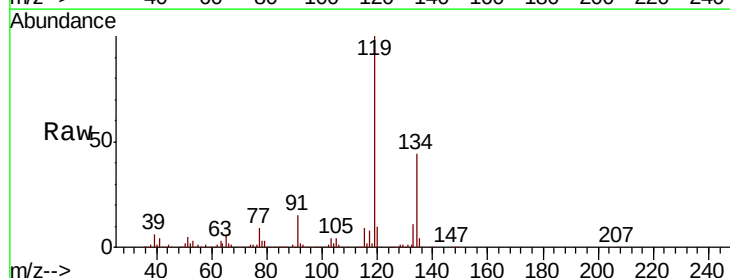
Tgt Ion: 75 Resp: 873

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

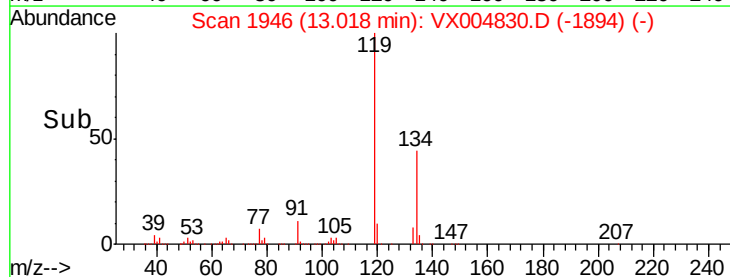
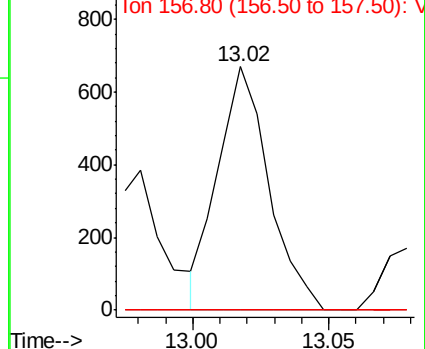
157 0.0 61.4 184.1#

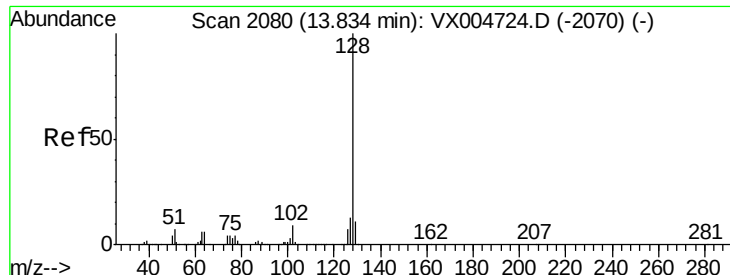


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 3.615 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333

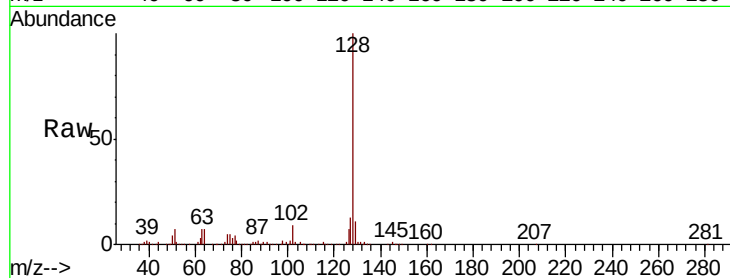
Tot Ion:128 Resp: 56190

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

129 12.3 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

