

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004831.D
 Acq On : 28 Sep 2018 19:39
 Operator : JC/MD
 Sample : J5130-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JBW-7333-9001

Quant Time: Sep 29 06:31:16 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	238938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	390443	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	381059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	228358	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	179039	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
35) Dibromofluoromethane	5.50	113	149189	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	
50) Toluene-d8	8.72	98	559468	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	11.14	95	220898	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	1264	0.320	ug/l	92
4) Vinyl Chloride	1.40	62	37811	10.200	ug/l	98
6) Chloroethane	1.79	64	2846	Below Cal	#	40
11) Tert butyl alcohol	3.02	59	10807	11.324	ug/l #	72
12) 1,1-Dichloroethene	2.38	96	1107	0.428	ug/l	83
13) Acrolein	2.27	56	2977	4.384	ug/l #	1
14) Allyl chloride	2.84	41	934289	165.393	ug/l #	63
15) Acrylonitrile	3.17	53	21259	10.119	ug/l #	40
16) Acetone	2.45	43	6219	3.121	ug/l #	85
18) Methyl Acetate	2.84	43	2454938	486.246	ug/l #	51
20) Methylene Chloride	2.84	84	5886	1.213	ug/l #	1
21) trans-1,2-Dichloroethene	3.17	96	1162	0.410	ug/l #	60
25) 2-Butanone	4.55	43	41916	14.270	ug/l #	47
27) cis-1,2-Dichloroethene	4.60	96	31822	10.051	ug/l	96
30) Chloroform	5.27	83	1500	0.280	ug/l	100
31) Cyclohexane	5.57	56	448304	103.228	ug/l	91
36) 1,1-Dichloropropene	5.67	75	15540	3.442	ug/l #	45
38) Carbon Tetrachloride	5.67	117	22292	4.697	ug/l #	15
39) Methylcyclohexane	7.46	83	408574	88.626	ug/l	91
40) Benzene	6.15	78	297087	21.019	ug/l	100
42) 1,2-Dichloroethane	6.15	62	2631	0.527	ug/l #	72
43) Isopropyl Acetate	6.35	43	695514	80.407	ug/l #	59
44) Trichloroethene	7.21	130	1976	0.569	ug/l	86
45) 1,2-Dichloropropane	7.46	63	4599	1.327	ug/l #	1
47) Bromodichloromethane	7.94	83	910	0.223	ug/l #	43
48) Methyl methacrylate	7.73	41	38251	9.743	ug/l #	60
51) 4-Methyl-2-Pentanone	8.68	43	39694	7.288	ug/l #	66
52) Toluene	8.79	92	31647	4.075	ug/l	96
55) 1,1,2-Trichloroethane	9.16	97	40518	11.910	ug/l #	20
56) Ethyl methacrylate	9.17	69	8992	4.398	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.26	63	688	14.463	ug/l #	45
67) Ethyl Benzene	10.26	91	396182	25.538	ug/l	98
68) m/p-Xylenes	10.36	106	319750	52.745	ug/l	94
69) o-Xylene	10.70	106	7872	1.414	ug/l	93

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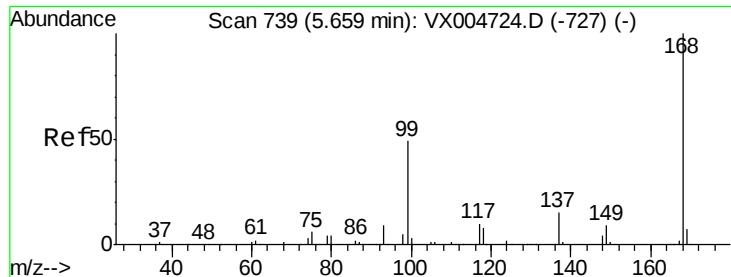
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

70) Styrene	10.70	104	827	2.216	ug/l #	1
73) Isopropylbenzene	11.02	105	153329	10.652	ug/l	99
74) N-amyl acetate	10.91	43	898	1.857	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.28	83	1190	0.203	ug/l #	37
76) 1,2,3-Trichloropropane	11.14	75	107023	20.910	ug/l #	35
78) n-propylbenzene	11.36	91	203669	12.332	ug/l	98
79) 2-Chlorotoluene	11.44	91	45931	4.462	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	207596	15.600	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.14	75	107023	56.749	ug/l #	9
82) 4-Chlorotoluene	11.51	91	21593	1.782	ug/l #	44
83) tert-Butylbenzene	11.77	119	7116	0.600	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	510597	37.481	ug/l	99
85) sec-Butylbenzene	11.94	105	68095	4.717	ug/l #	77
86) p-Isopropyltoluene	12.07	119	45541	3.482	ug/l	96
89) n-Butylbenzene	12.38	91	44986	3.788	ug/l #	32
90) Hexachloroethane	12.59	117	6011	2.761	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	12.99	75	588	0.457	ug/l #	1
95) Naphthalene	13.83	128	57300	3.693	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

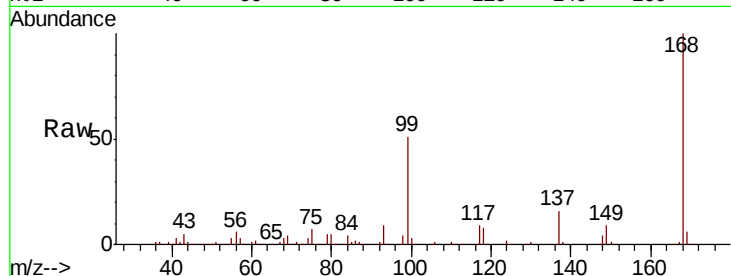
FA18-JBW-7333-9001

Tot Ion:168 Resp: 238938

Ion Ratio Lower Upper

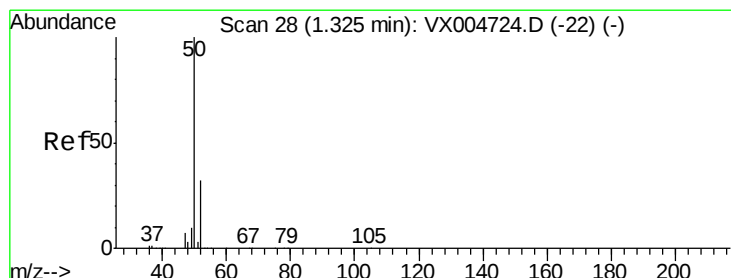
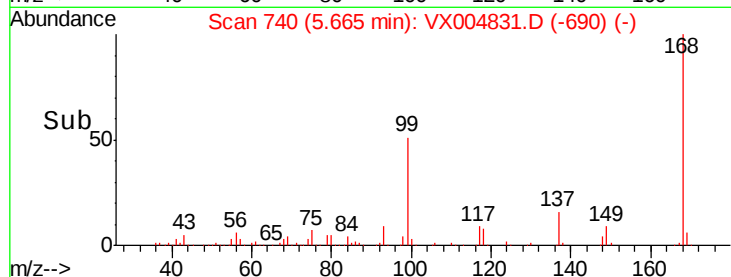
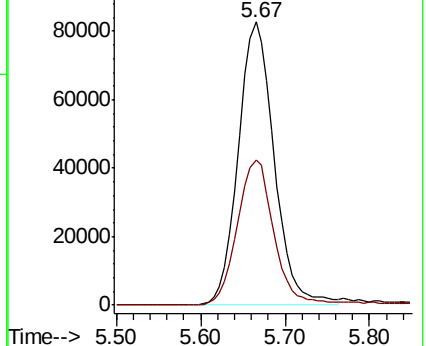
168 100

99 51.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.320 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004831.D

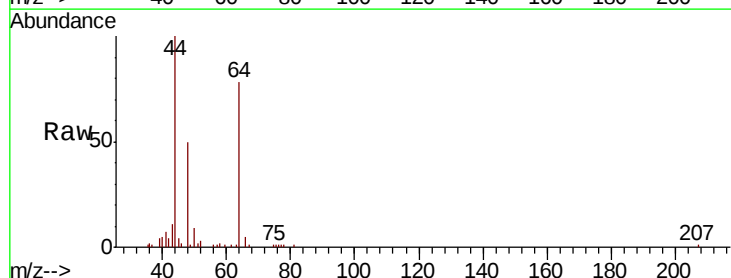
Acq: 28 Sep 2018 19:39

Tgt Ion: 50 Resp: 1264

Ion Ratio Lower Upper

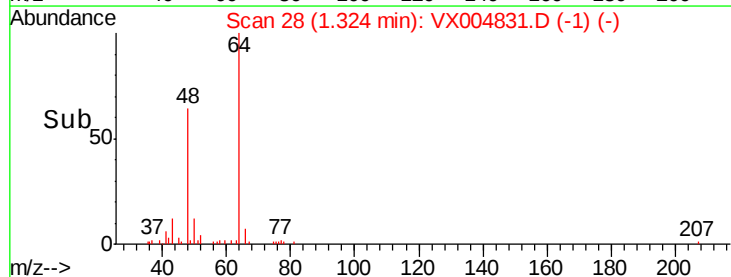
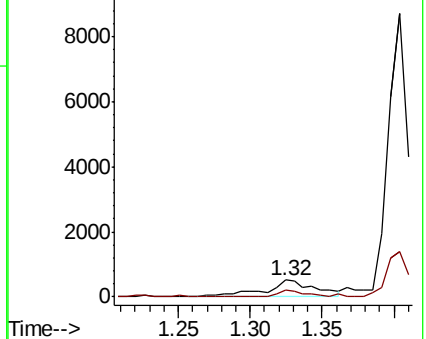
50 100

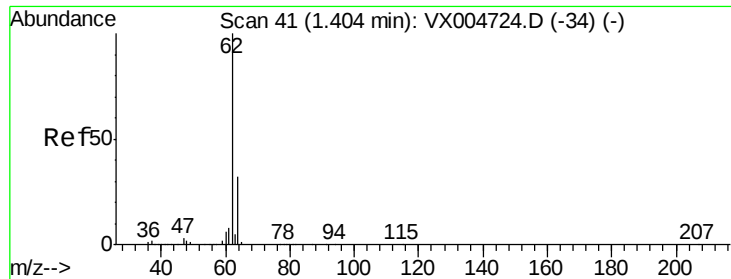
52 37.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 10.200 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

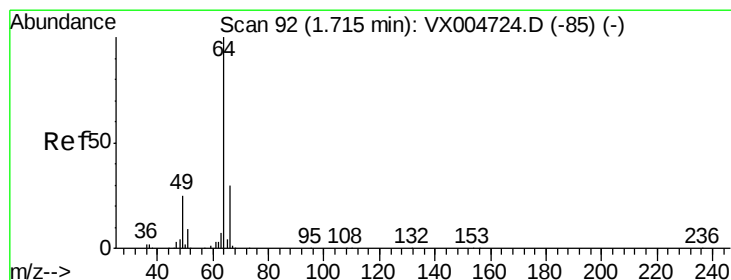
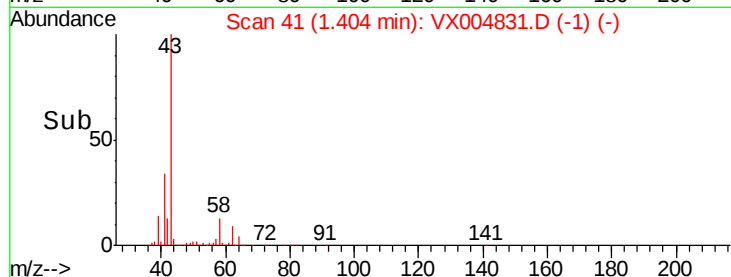
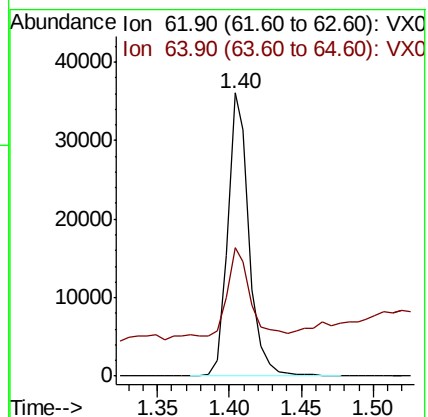
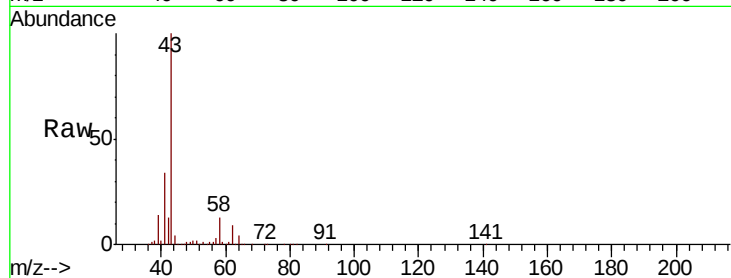
FA18-JBW-7333-9001

Tot Ion: 62 Resp: 37811

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.8



#6

Chloroethane

Concen: Below Cal

RT: 1.79 min Scan# 105

Delta R.T. 0.08 min

Lab File: VX004831.D

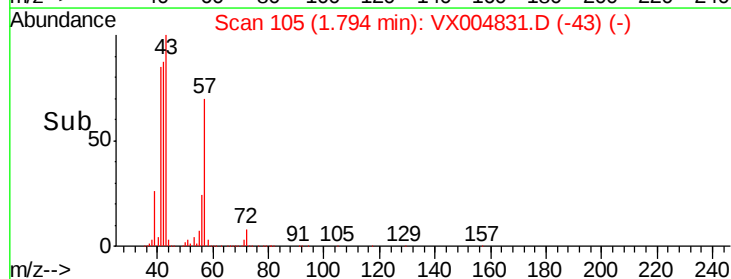
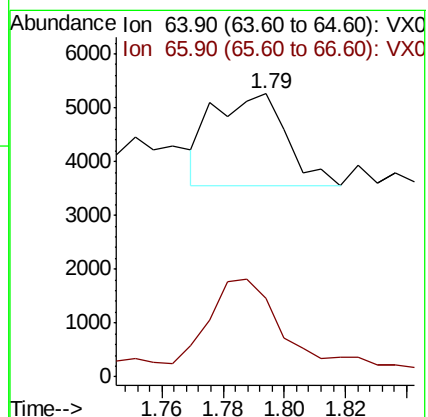
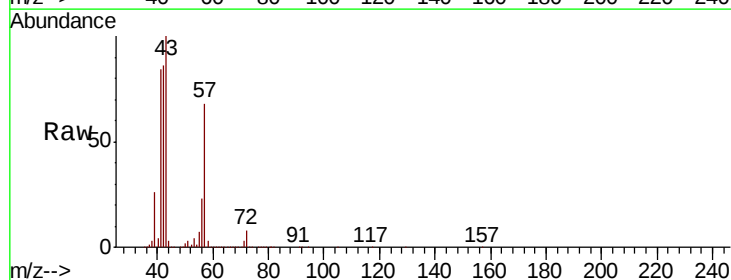
Acq: 28 Sep 2018 19:39

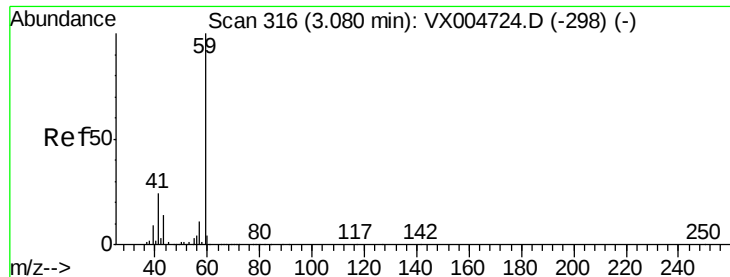
Tgt Ion: 64 Resp: 2846

Ion Ratio Lower Upper

64 100

66 63.4 24.6 36.8#



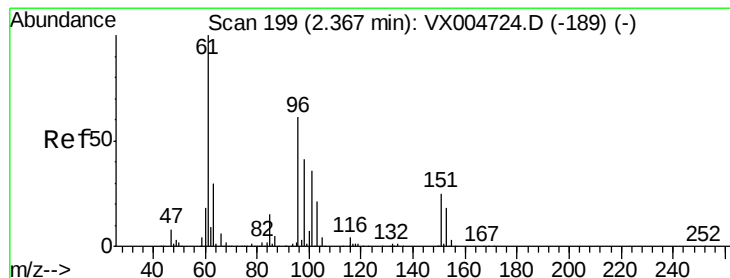
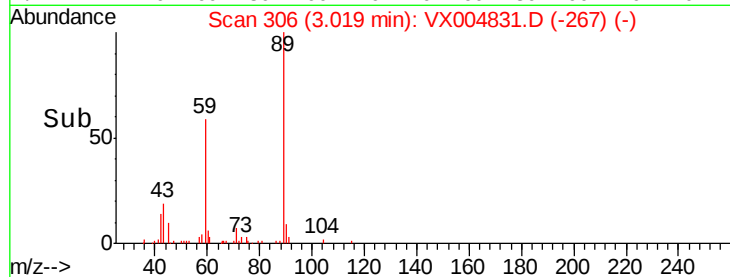
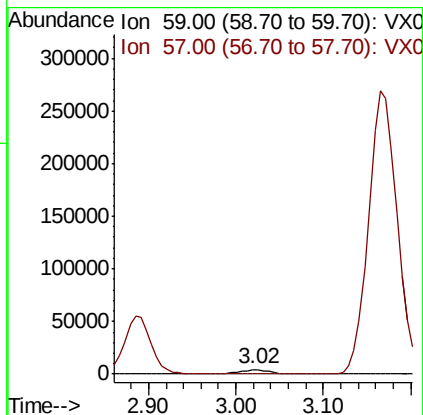
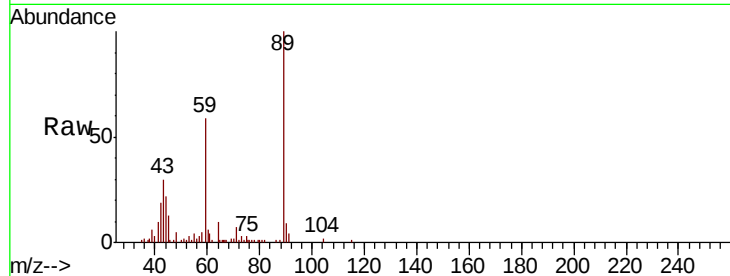


#11

Tert butyl alcohol
Concen: 11.324 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333-9001

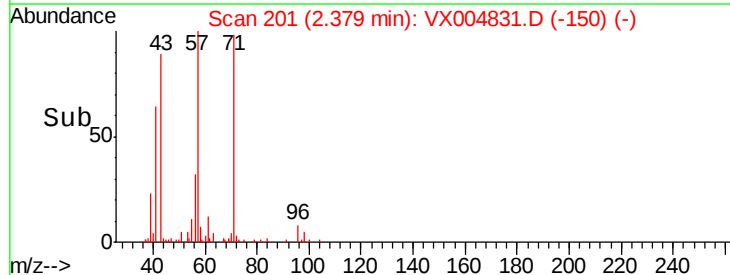
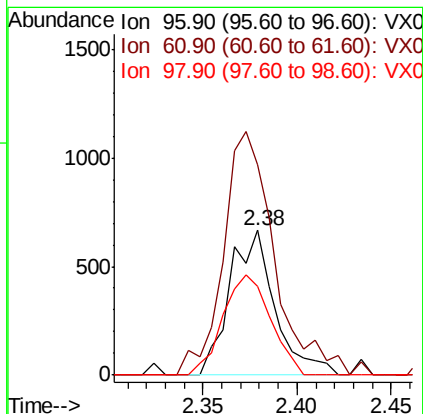
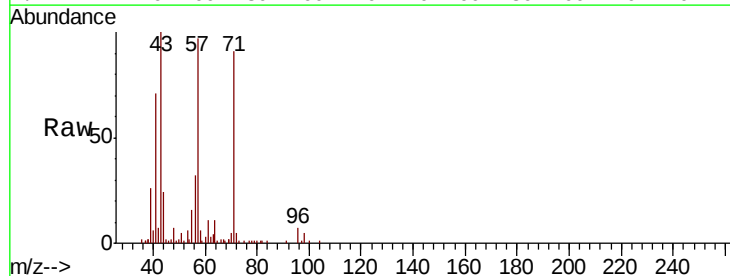
Tot Ion: 59 Resp: 10807
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

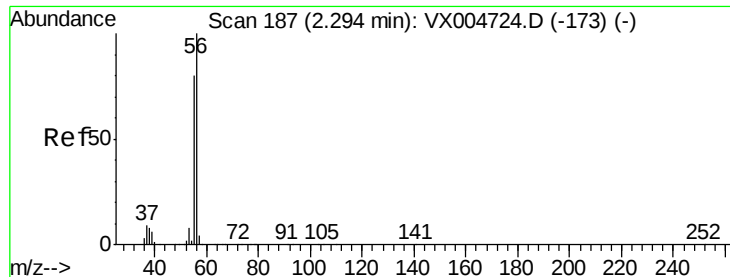


#12

1,1-Dichloroethene
Concen: 0.428 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

Tgt Ion: 96 Resp: 1107
Ion Ratio Lower Upper
96 100
61 131.7 128.8 193.2
98 61.4 52.2 78.2





#13

Acrolein

Concen: 4.384 ug/l

RT: 2.27 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

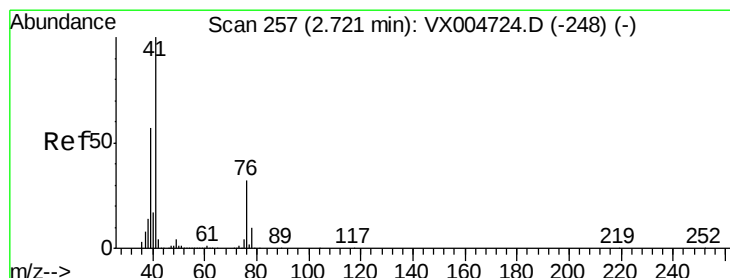
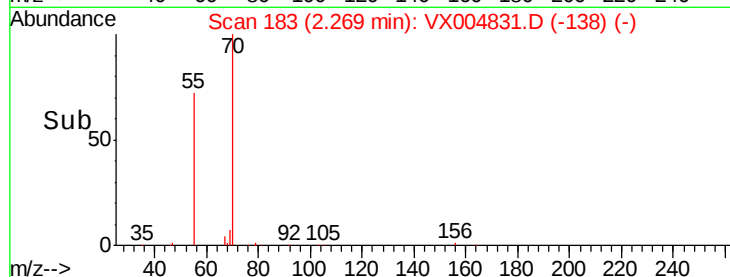
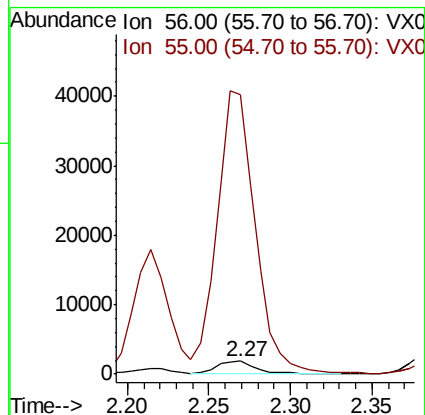
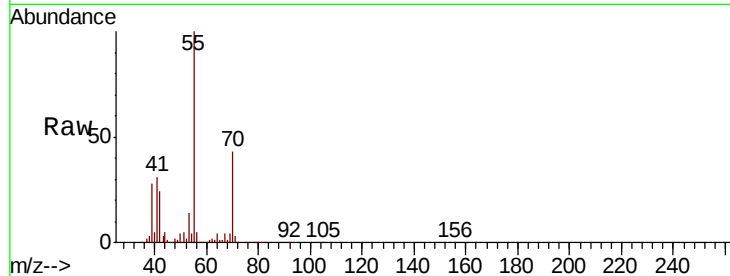
FA18-JBW-7333-9001

Tot Ion: 56 Resp: 2977

Ion Ratio Lower Upper

56 100

55 2213.0 54.7 82.1#



#14

Allyl chloride

Concen: 165.393 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

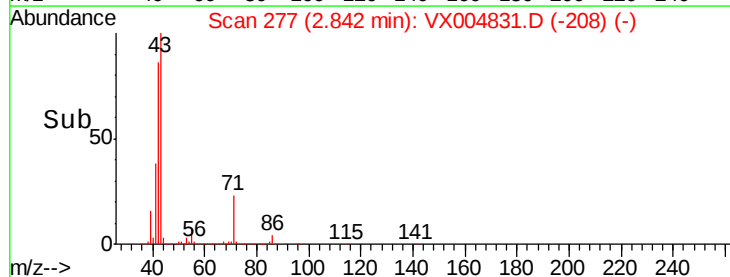
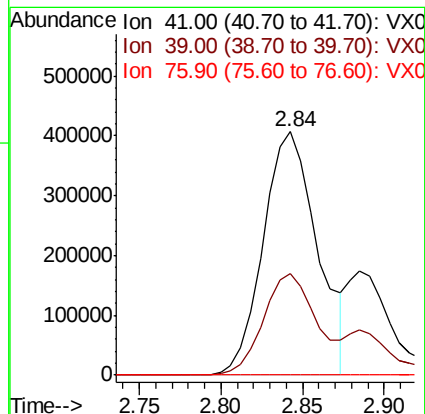
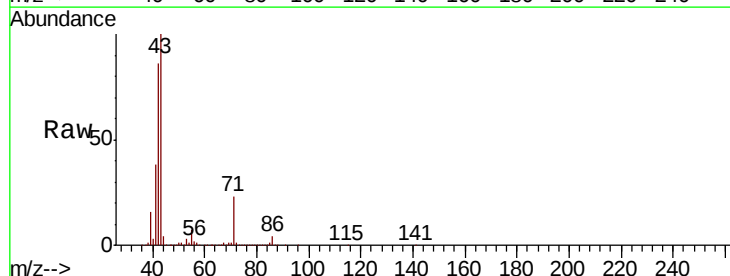
Tgt Ion: 41 Resp: 934289

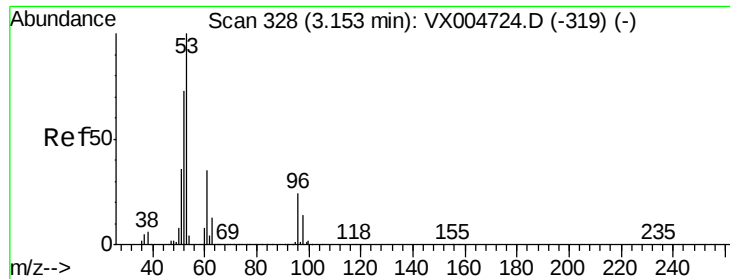
Ion Ratio Lower Upper

41 100

39 41.5 48.9 73.3#

76 0.0 26.7 40.1#





#15

Acrylonitrile

Concen: 10.119 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

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ClientSampleId :

FA18-JBW-7333-9001

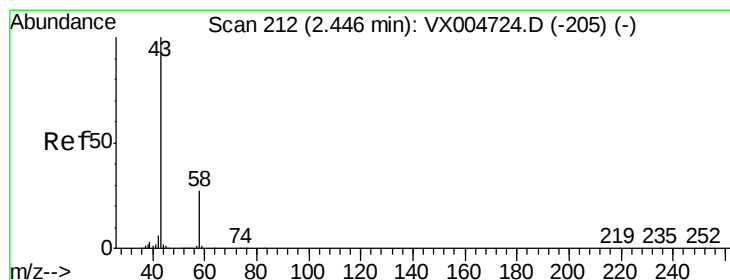
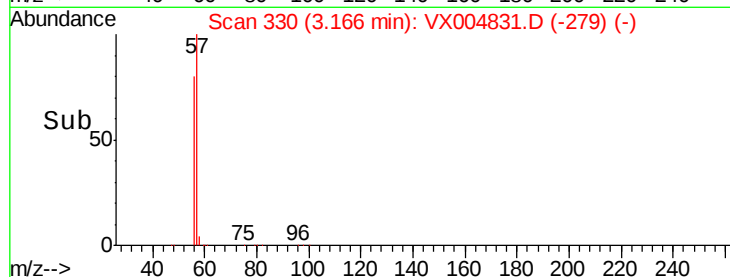
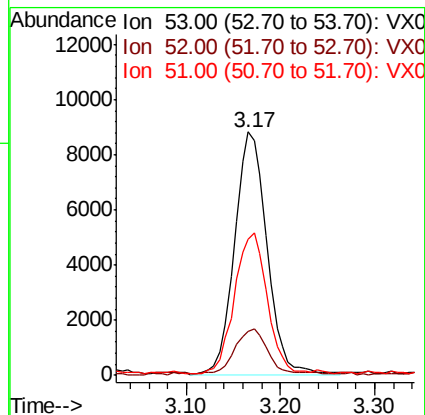
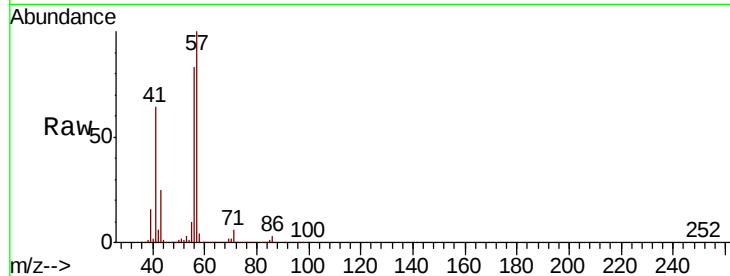
Tot Ion: 53 Resp: 21259

Ion Ratio Lower Upper

53 100

52 19.0 65.2 97.8#

51 57.1 28.2 42.2#



#16

Acetone

Concen: 3.121 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004831.D

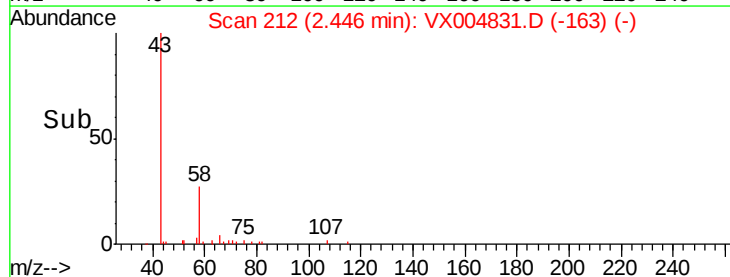
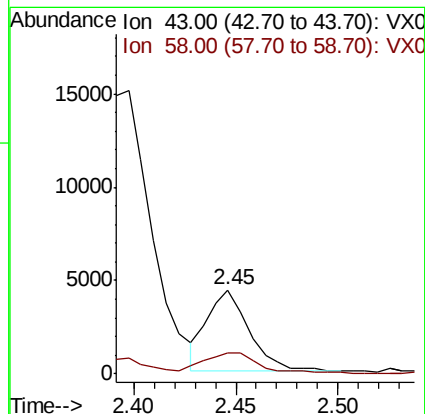
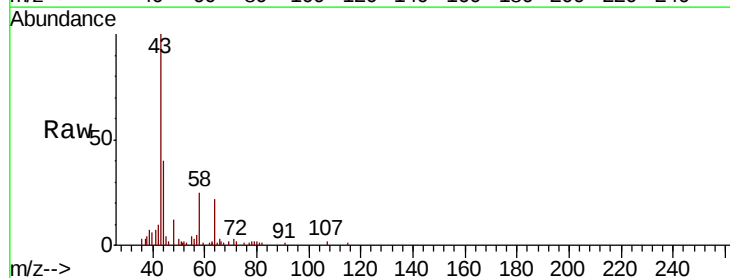
Acq: 28 Sep 2018 19:39

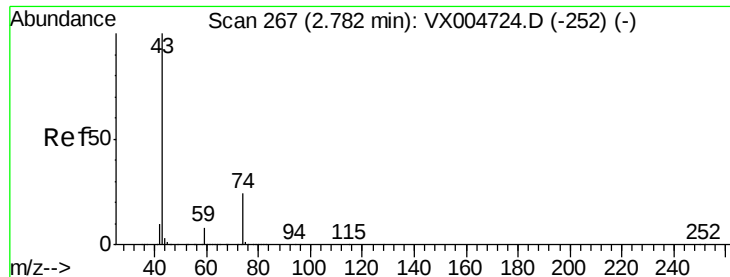
Tgt Ion: 43 Resp: 6219

Ion Ratio Lower Upper

43 100

58 24.4 26.2 39.4#

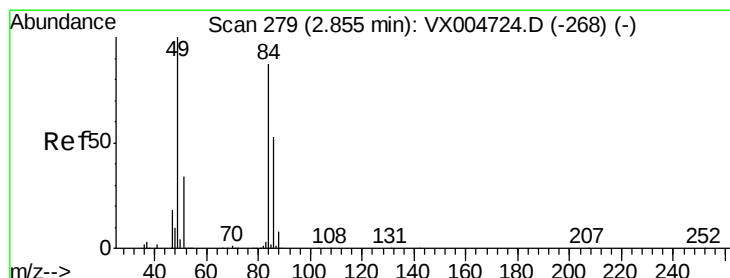
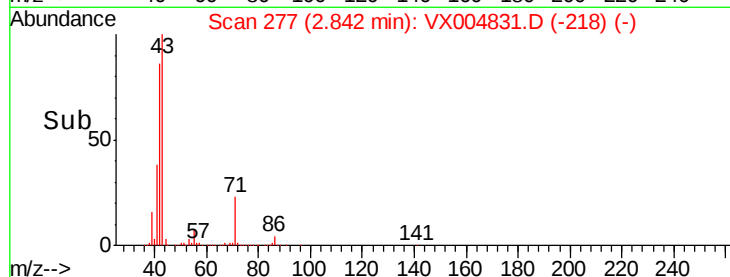
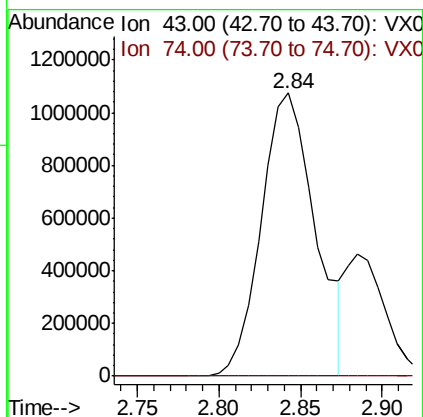
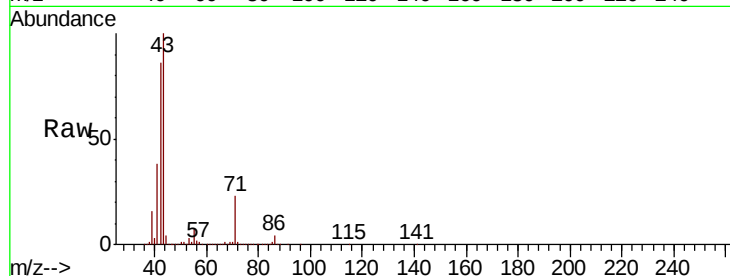




#18
Methyl Acetate
Concen: 486.246 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.06 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

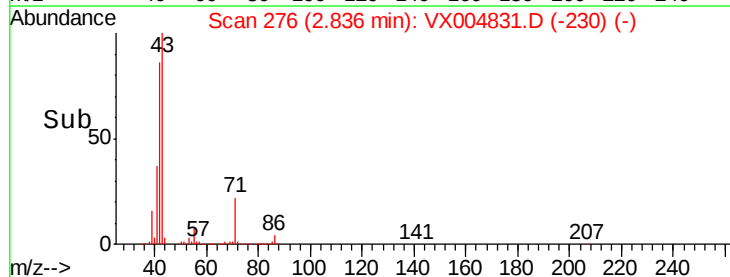
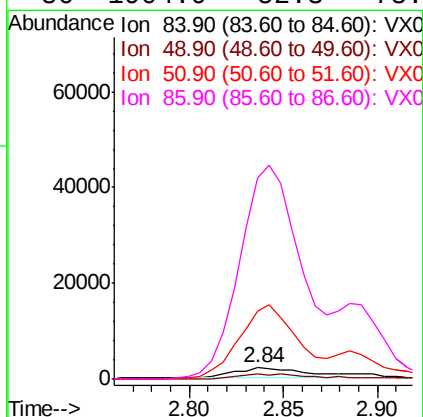
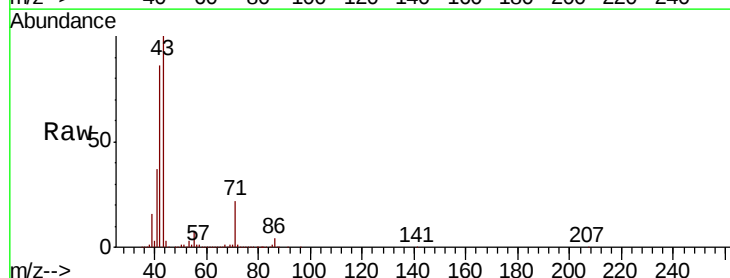
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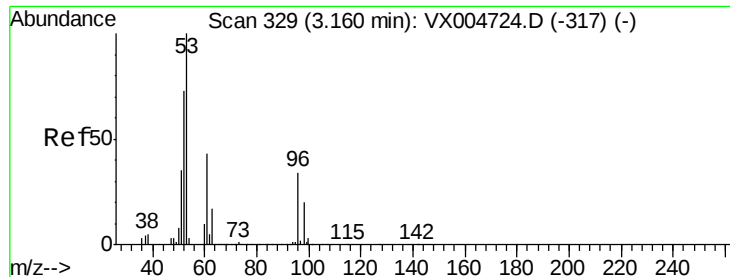
Tot Ion: 43 Resp: 2454938
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 1.213 ug/l
RT: 2.84 min Scan# 276
Delta R.T. -0.02 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

Tgt Ion: 84 Resp: 5886
Ion Ratio Lower Upper
84 100
49 43.6 101.2 151.8#
51 641.0 29.5 44.3#
86 1904.9 52.3 78.5#





#21

trans-1,2-Dichloroethene

Concen: 0.410 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333-9001

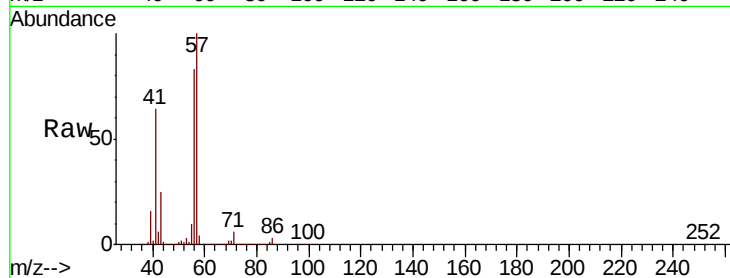
Tot Ion: 96 Resp: 1162

Ion Ratio Lower Upper

96 100

61 205.5 113.8 170.6#

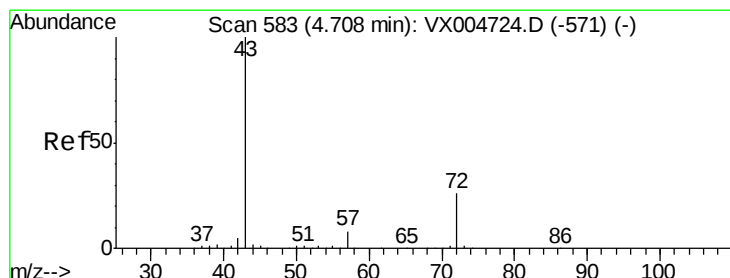
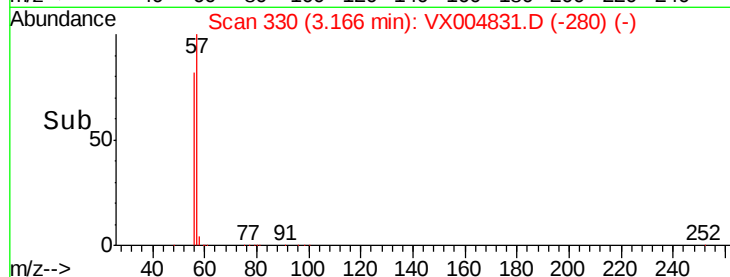
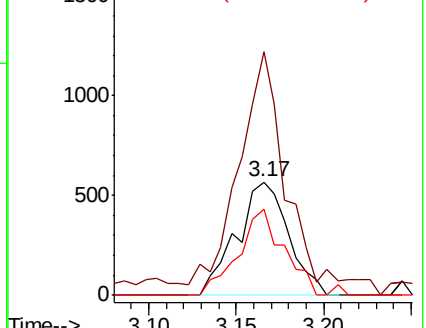
98 76.3 51.8 77.8



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: 14.270 ug/l

RT: 4.55 min Scan# 557

Delta R.T. -0.16 min

Lab File: VX004831.D

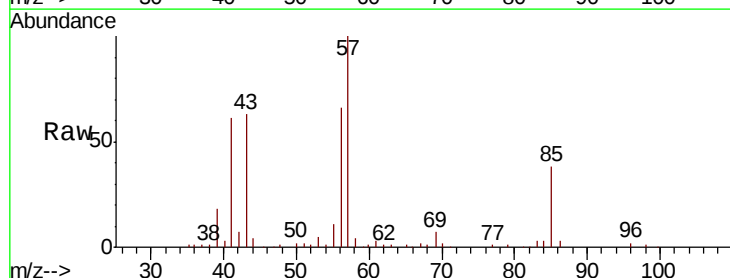
Acq: 28 Sep 2018 19:39

Tgt Ion: 43 Resp: 41916

Ion Ratio Lower Upper

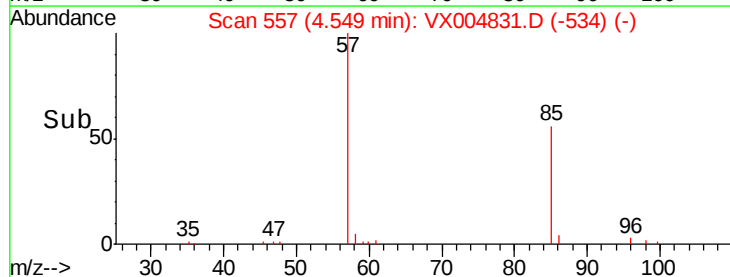
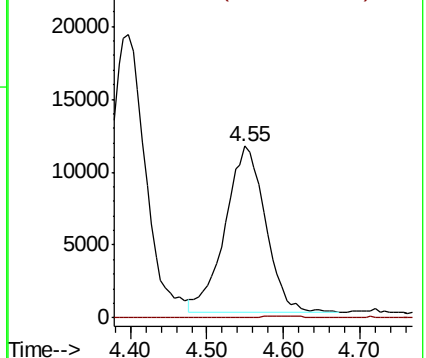
43 100

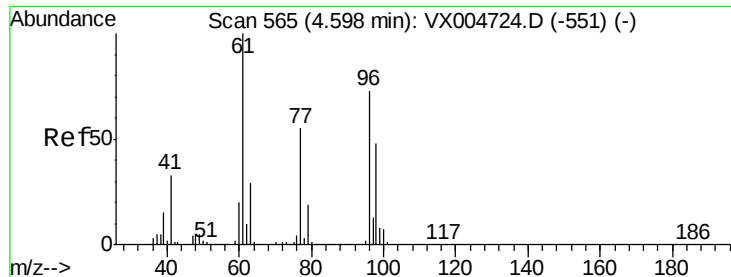
72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



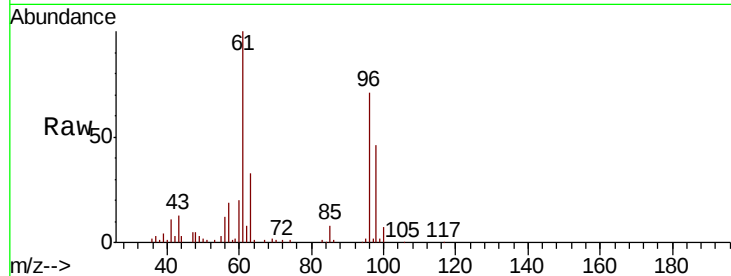


#27

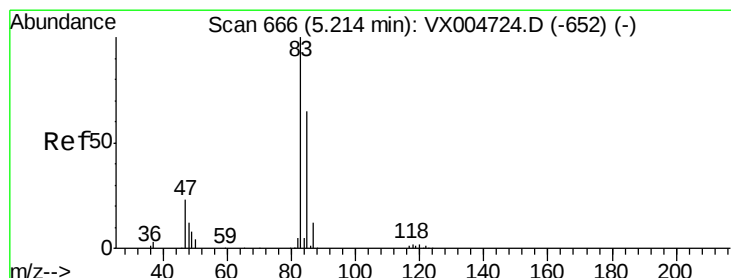
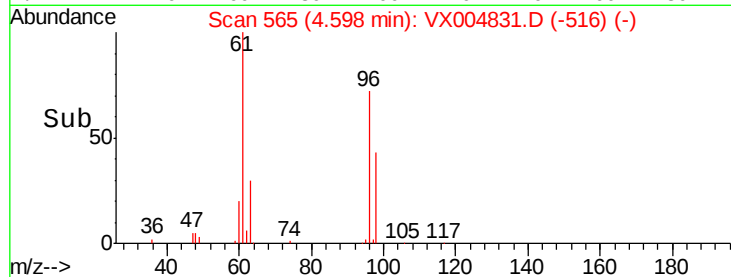
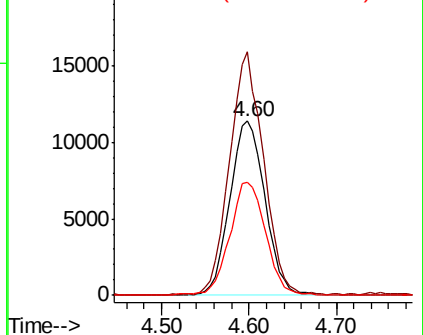
cis-1,2-Dichloroethene
 Concen: 10.051 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004831.D
 Acq: 28 Sep 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JBW-7333-9001

Tot Ion: 96 Resp: 31822
 Ion Ratio Lower Upper
 96 100
 61 135.1 0.0 282.6
 98 66.3 0.0 130.2



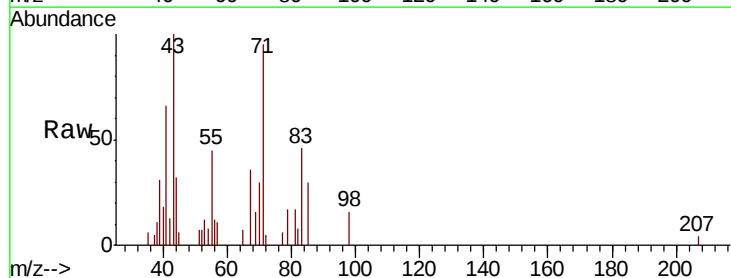
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



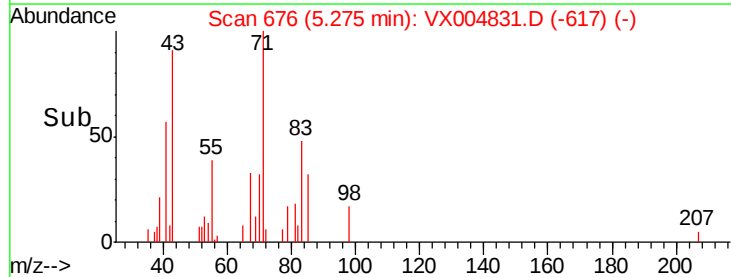
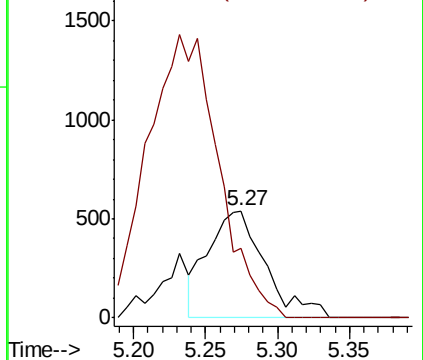
#30

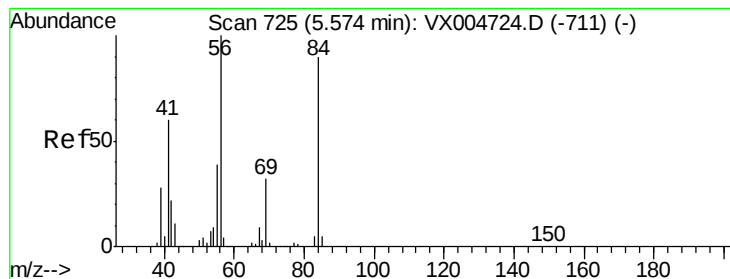
Chloroform
 Concen: 0.280 ug/l
 RT: 5.27 min Scan# 676
 Delta R.T. 0.06 min
 Lab File: VX004831.D
 Acq: 28 Sep 2018 19:39

Tgt Ion: 83 Resp: 1500
 Ion Ratio Lower Upper
 83 100
 85 65.6 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 103.228 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333-9001

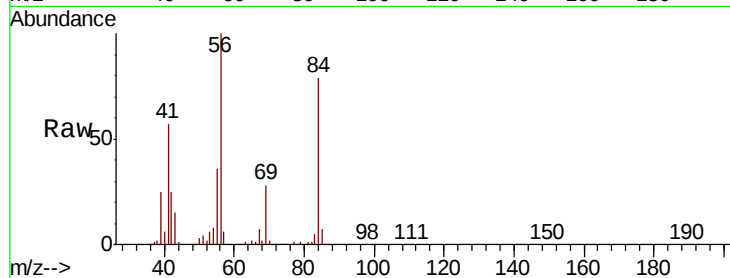
Tot Ion: 56 Resp: 448304

Ion Ratio Lower Upper

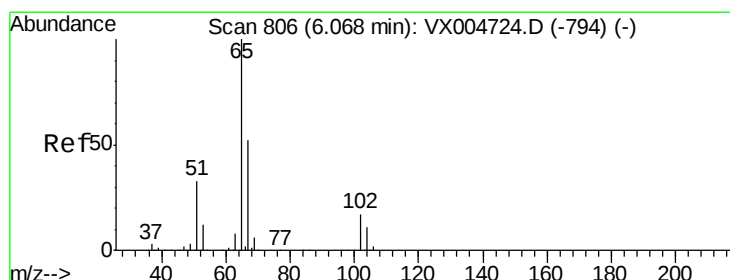
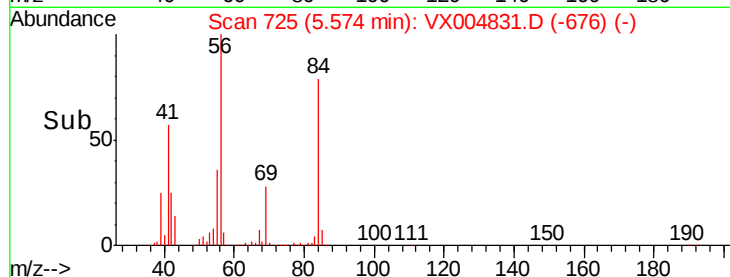
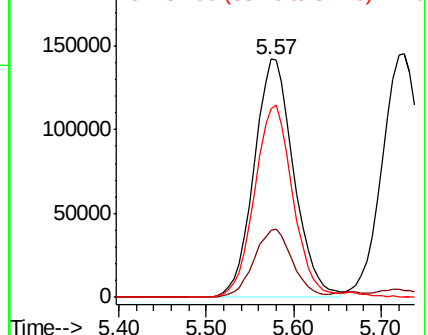
56 100

69 28.3 25.4 38.2

84 79.5 71.4 107.2



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



#33

1,2-Dichloroethane-d4

Concen: 52.454 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004831.D

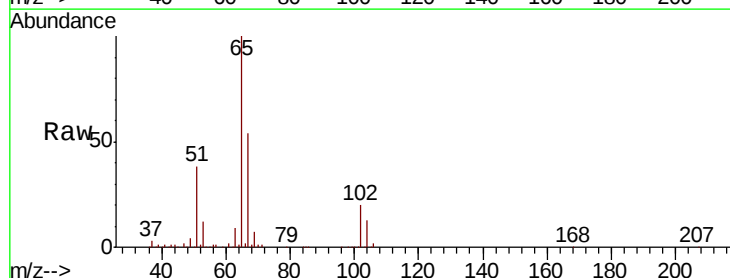
Acq: 28 Sep 2018 19:39

Tgt Ion: 65 Resp: 179039

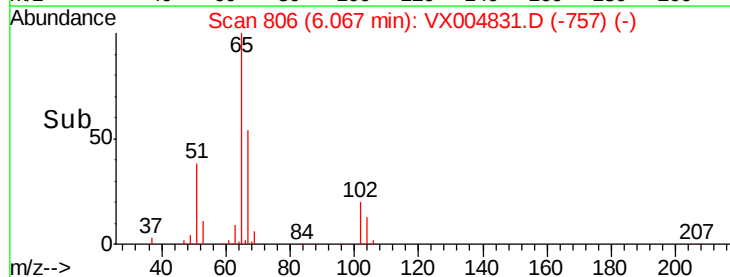
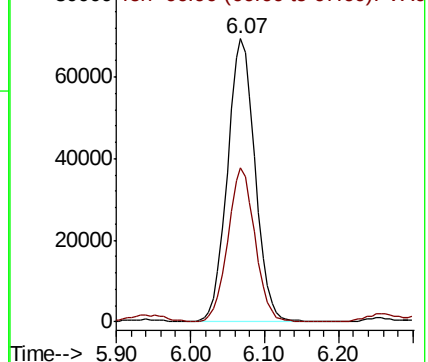
Ion Ratio Lower Upper

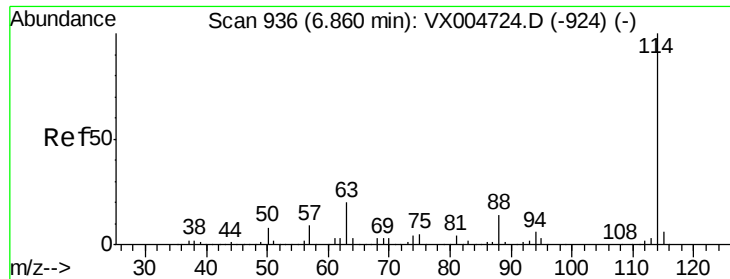
65 100

67 53.2 0.0 106.8



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333-9001

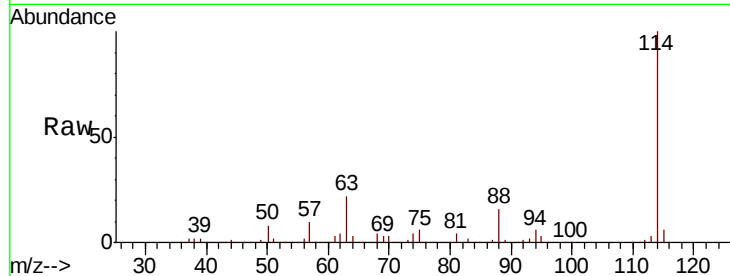
Tot Ion:114 Resp: 390443

Ion Ratio Lower Upper

114 100

63 21.6 0.0 39.0

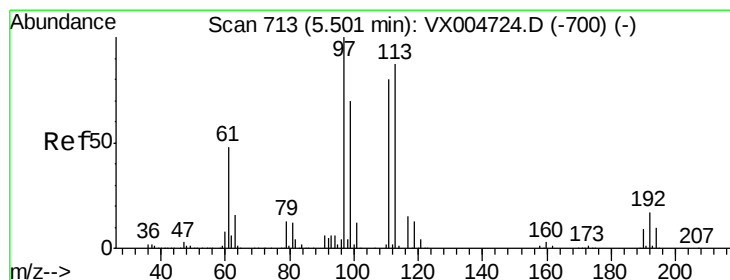
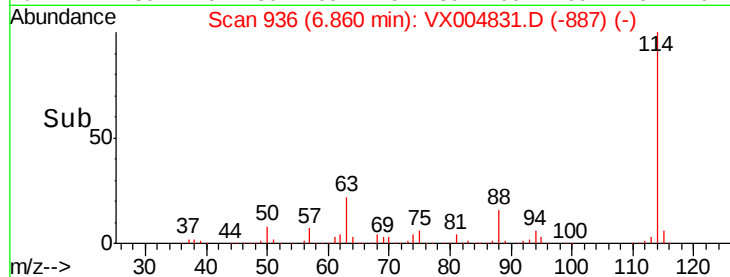
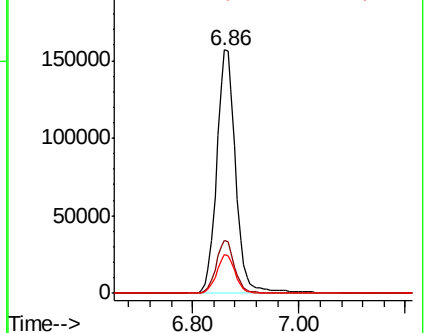
88 15.8 0.0 30.4



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: 45.085 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

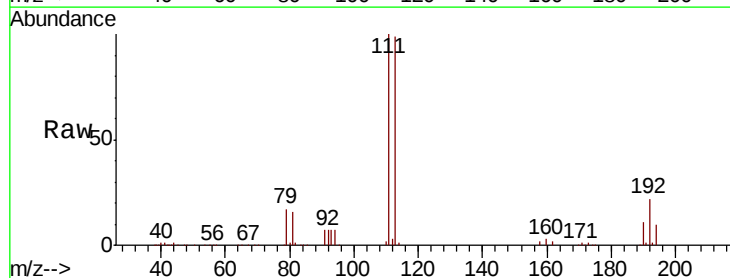
Tgt Ion:113 Resp: 149189

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

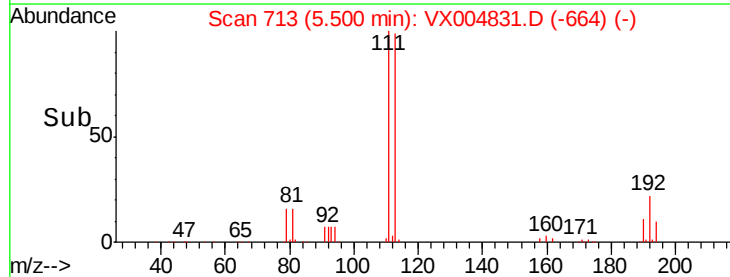
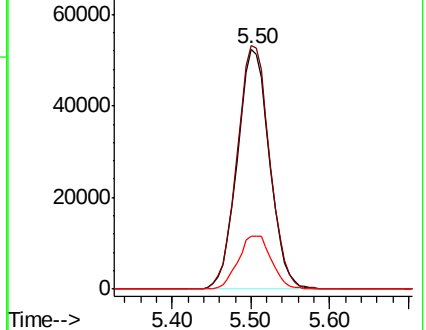
192 23.0 19.4 29.2

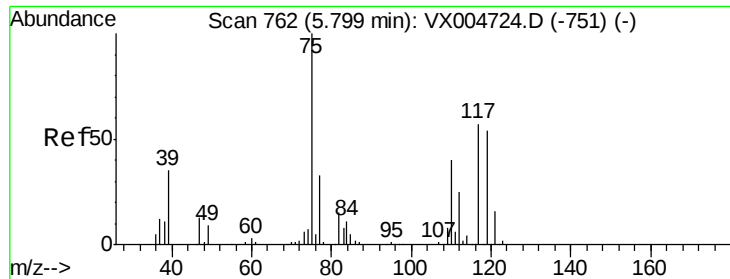


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.442 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333-9001

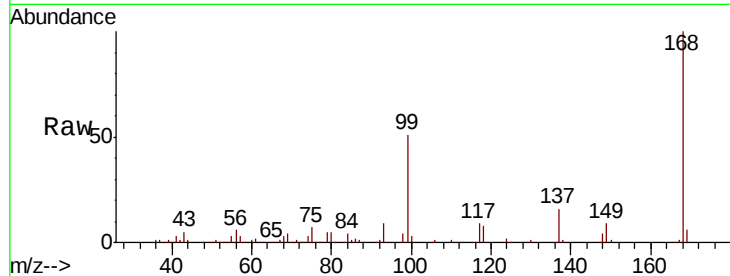
Tot Ion: 75 Resp: 15540

Ion Ratio Lower Upper

75 100

110 4.4 18.0 54.0#

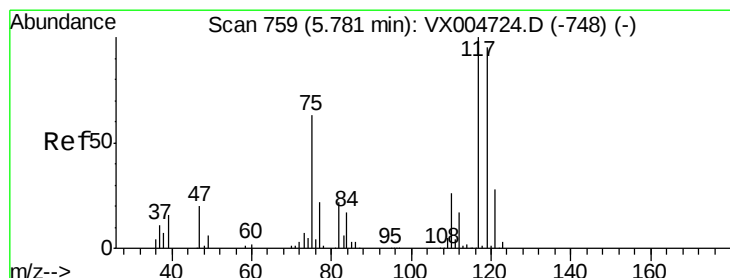
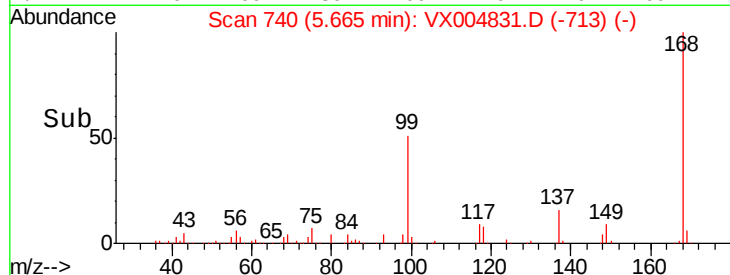
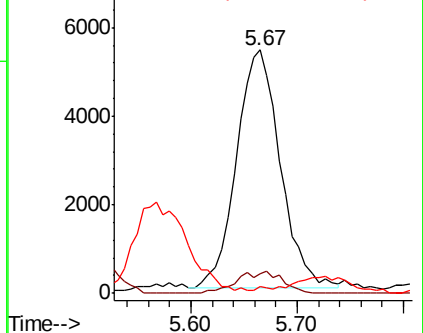
77 0.0 24.6 36.8#



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



#38

Carbon Tetrachloride

Concen: 4.697 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

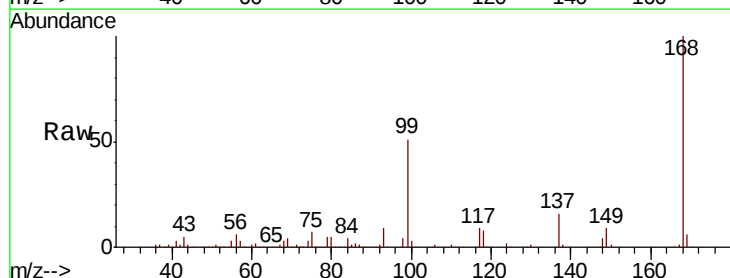
Tgt Ion: 117 Resp: 22292

Ion Ratio Lower Upper

117 100

119 5.2 78.8 118.2#

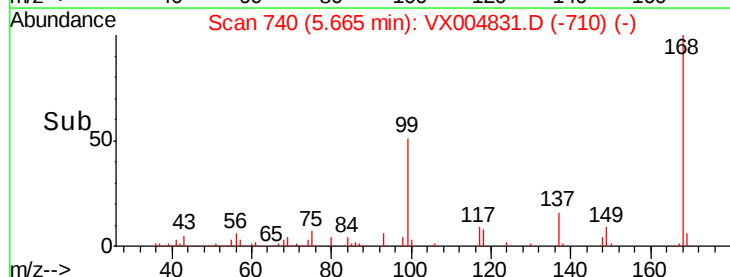
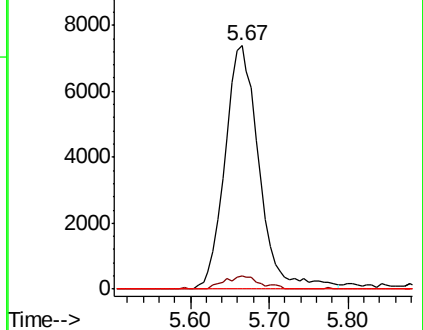
121 0.0 24.9 37.3#

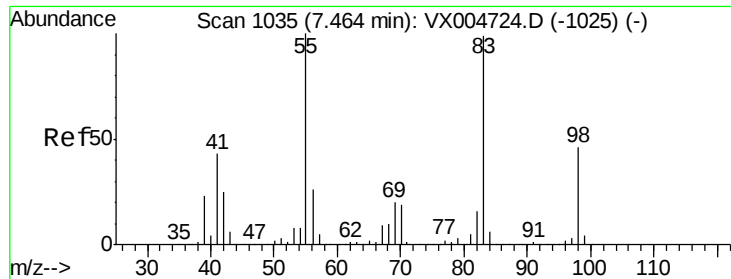


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

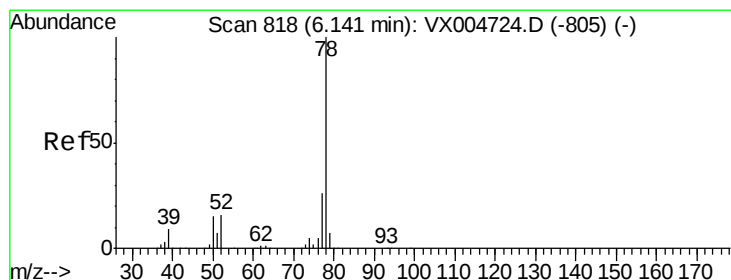
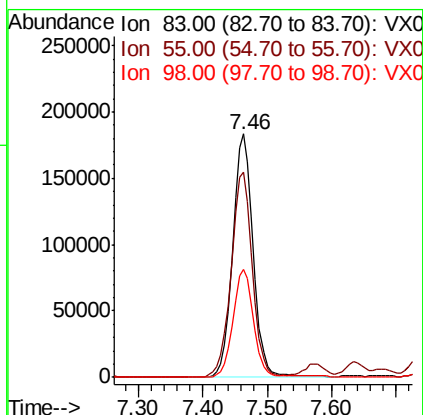
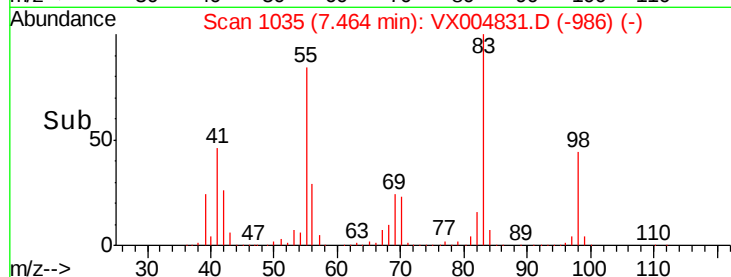
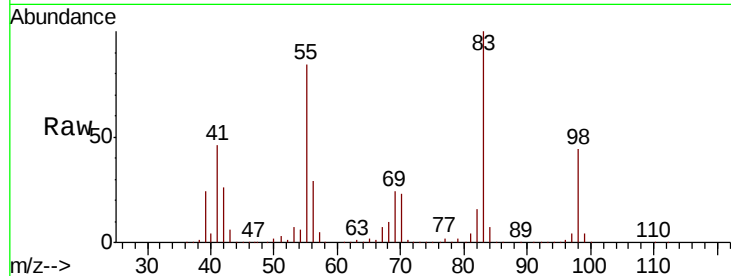




#39
Methvlcvclohexane
Concen: 88.626 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

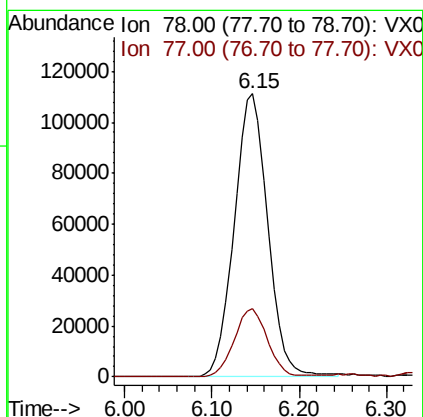
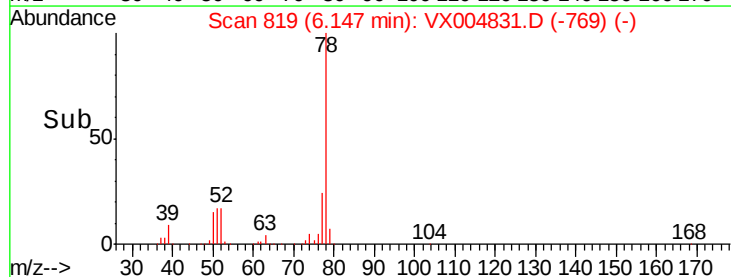
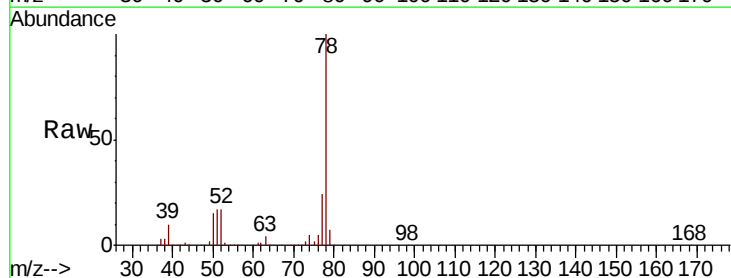
Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333-9001

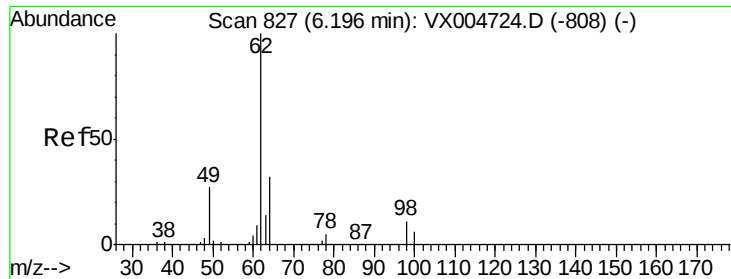
Tot Ion: 83 Resp: 408574
Ion Ratio Lower Upper
83 100
55 84.1 61.0 91.4
98 44.4 39.6 59.4



#40
Benzene
Concen: 21.019 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

Tgt Ion: 78 Resp: 297087
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4





#42

1,2-Dichloroethane

Concen: 0.527 ug/l

RT: 6.15 min Scan# 819

Delta R.T. -0.05 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

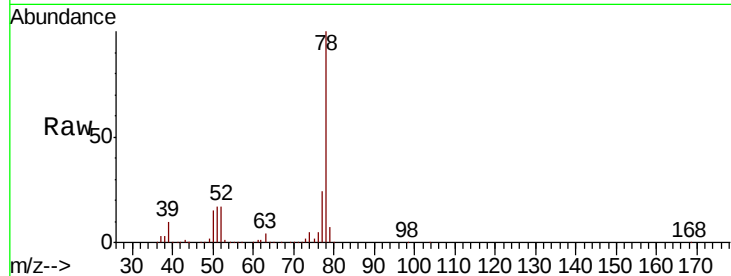
FA18-JBW-7333-9001

Tot Ion: 62 Resp: 2631

Ion Ratio Lower Upper

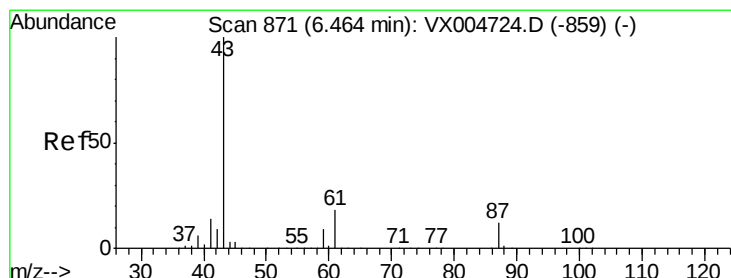
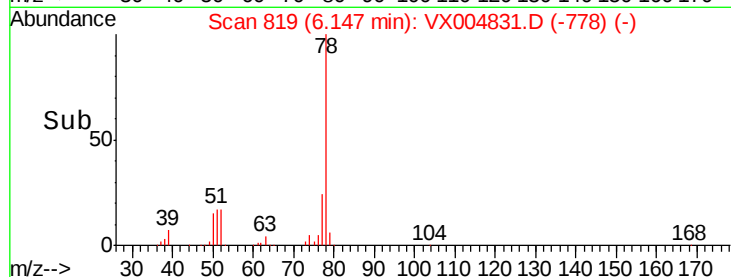
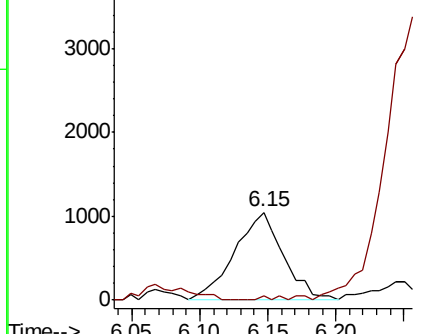
62 100

98 0.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#43

Isopropyl Acetate

Concen: 80.407 ug/l

RT: 6.35 min Scan# 852

Delta R.T. -0.12 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

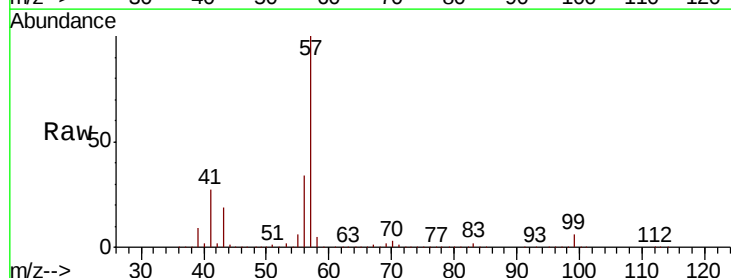
Tgt Ion: 43 Resp: 695514

Ion Ratio Lower Upper

43 100

61 0.1 17.0 25.4#

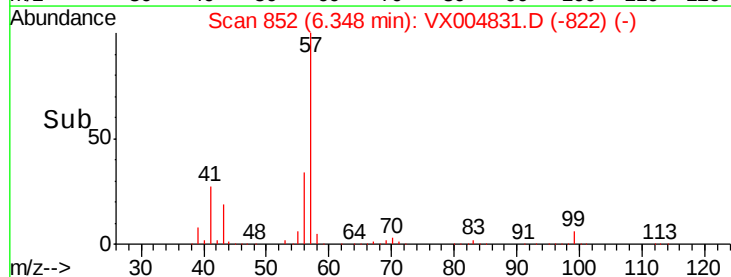
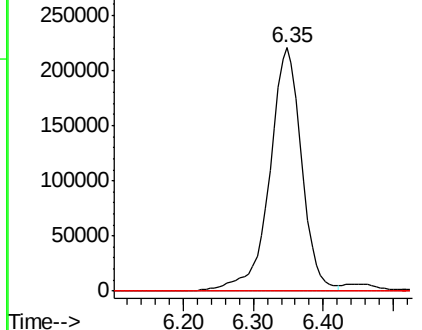
87 0.0 11.4 17.2#

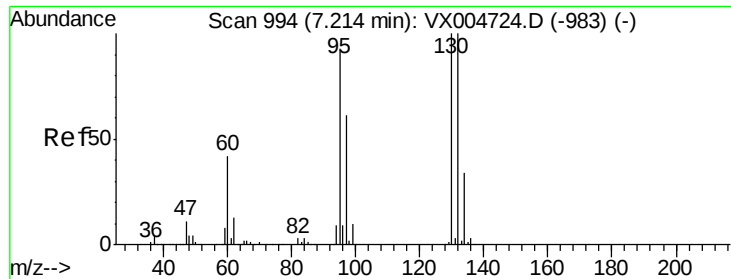


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#44

Trichloroethene

Concen: 0.569 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

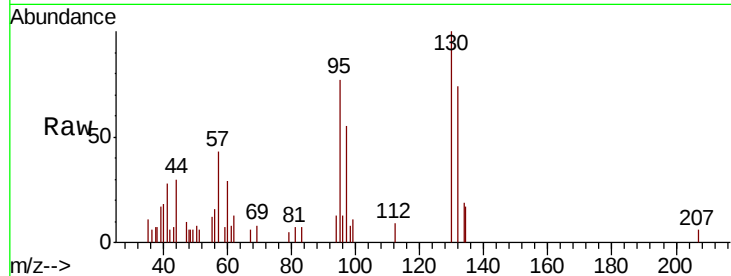
FA18-JBW-7333-9001

Tot Ion:130 Resp: 1976

Ion Ratio Lower Upper

130 100

95 77.4 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

1200

1000

800

600

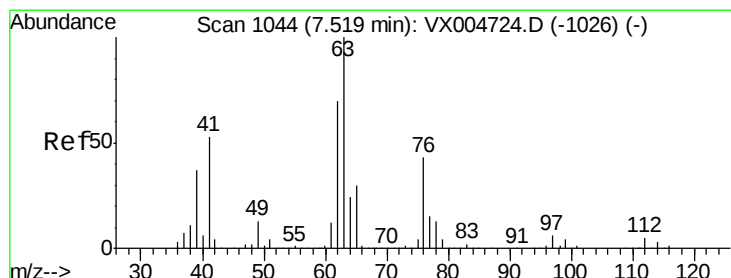
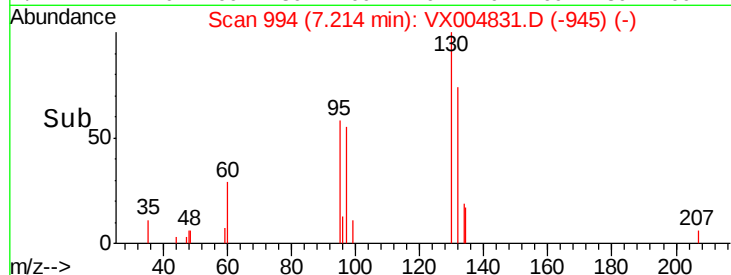
400

200

0

7.15 7.20 7.25 7.30

Time-->



#45

1,2-Dichloropropane

Concen: 1.327 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.06 min

Lab File: VX004831.D

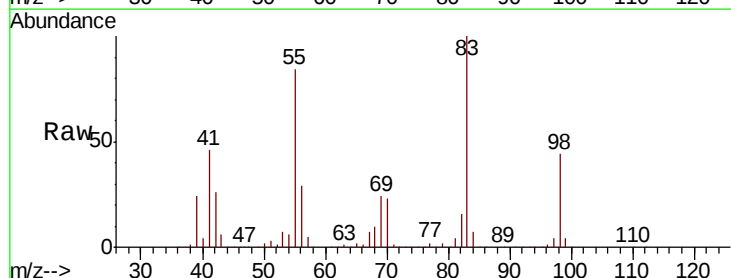
Acq: 28 Sep 2018 19:39

Tgt Ion: 63 Resp: 4599

Ion Ratio Lower Upper

63 100

65 175.9 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.46

4000

3000

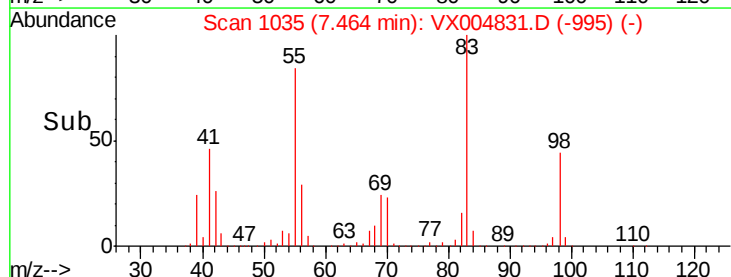
2000

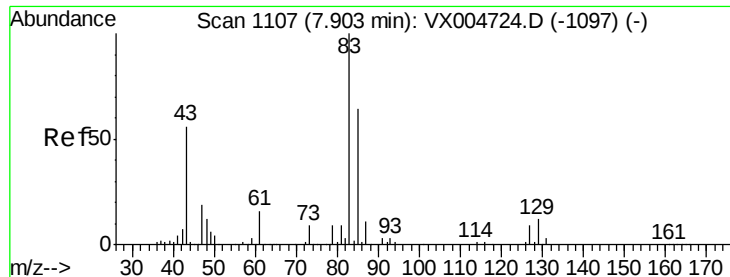
1000

0

7.35 7.40 7.45 7.50 7.55

Time-->





#47

Bromodichloromethane

Concen: 0.223 ug/l

RT: 7.94 min Scan# 1113

Delta R.T. 0.04 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333-9001

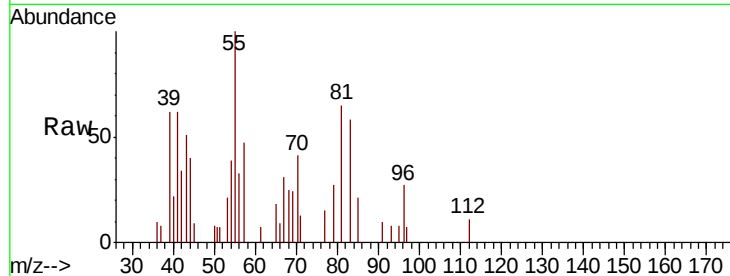
Tot Ion: 83 Resp: 910

Ion Ratio Lower Upper

83 100

85 15.4 50.9 76.3#

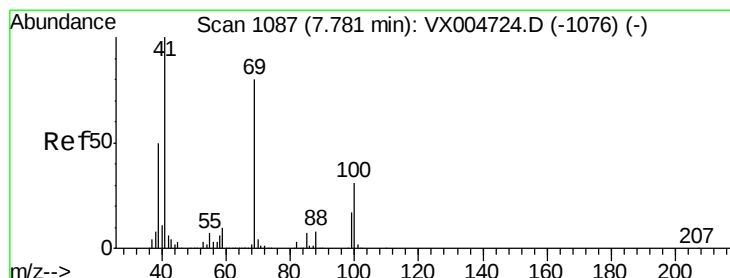
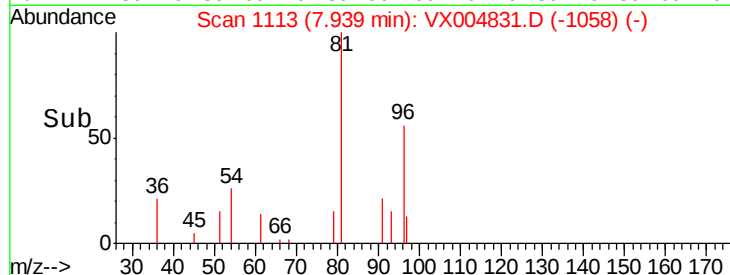
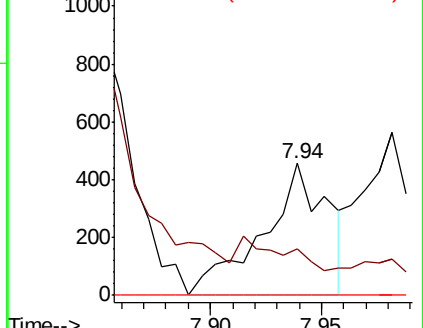
127 0.0 7.3 10.9#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 9.743 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.05 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

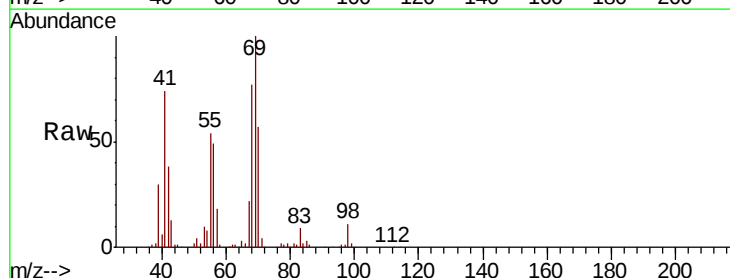
Tgt Ion: 41 Resp: 38251

Ion Ratio Lower Upper

41 100

69 137.5 70.2 105.4#

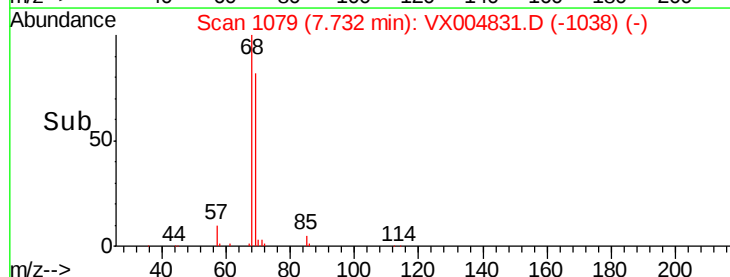
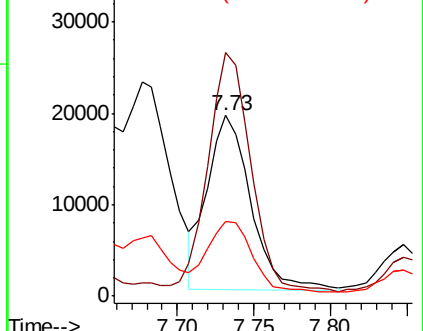
39 41.3 42.7 64.1#

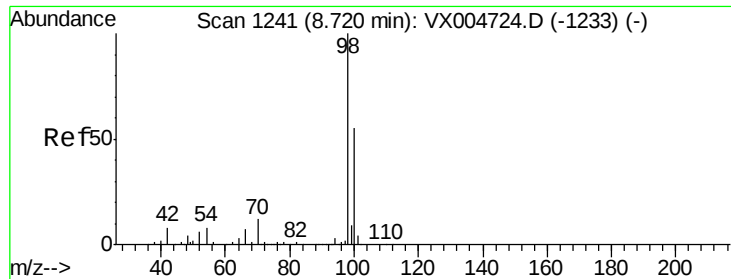


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

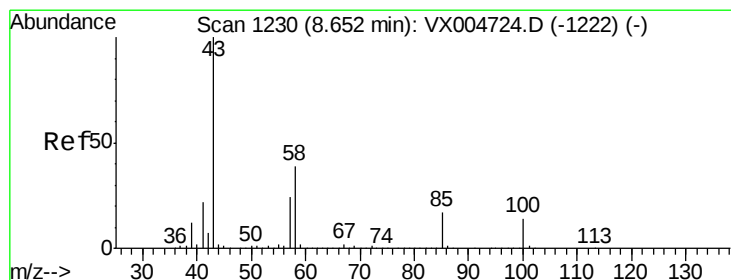
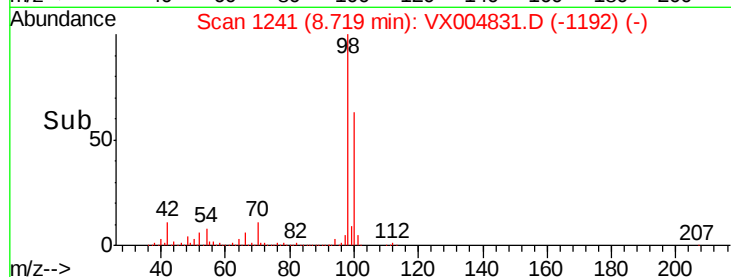
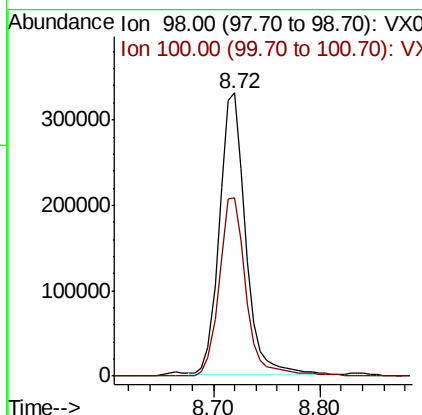
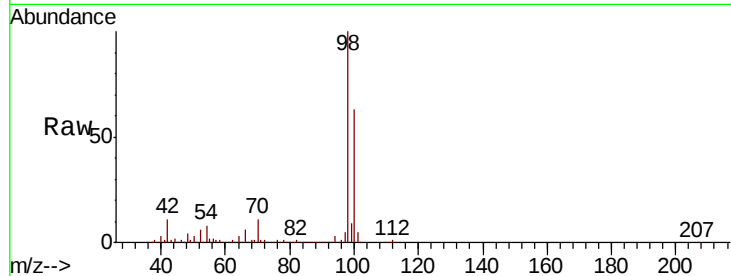




#50
Toluene-d8
Concen: 50.856 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

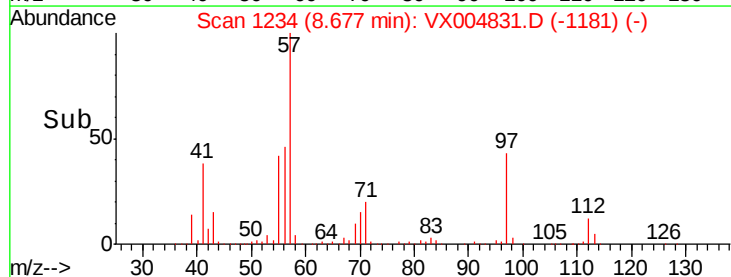
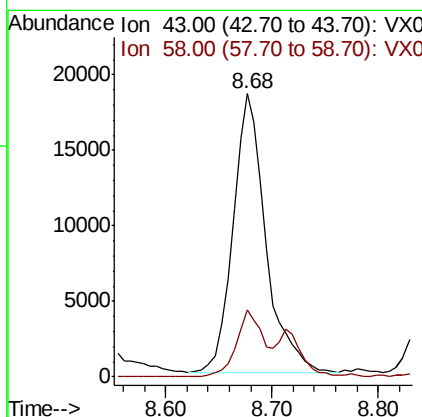
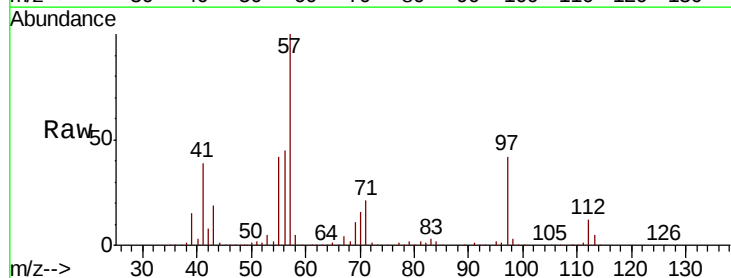
Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333-9001

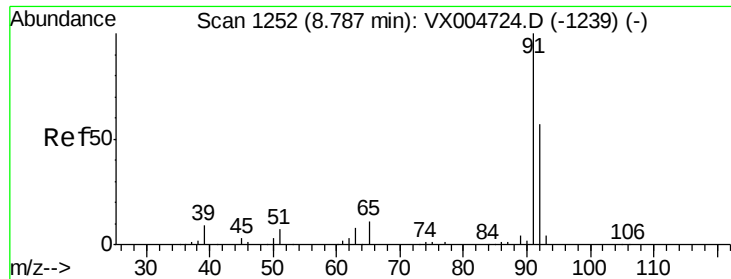
Tot Ion: 98 Resp: 559468
Ion Ratio Lower Upper
98 100
100 66.4 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 7.288 ug/l
RT: 8.68 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

Tgt Ion: 43 Resp: 39694
Ion Ratio Lower Upper
43 100
58 20.2 33.1 49.7#





#52

Toluene

Concen: 4.075 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

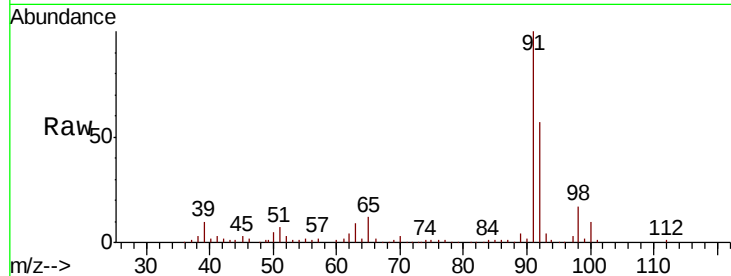
FA18-JBW-7333-9001

Tot Ion: 92 Resp: 31647

Ion Ratio Lower Upper

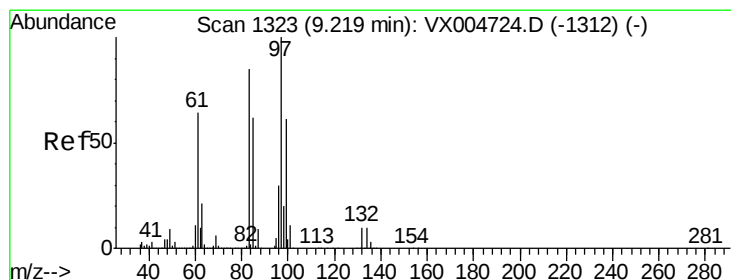
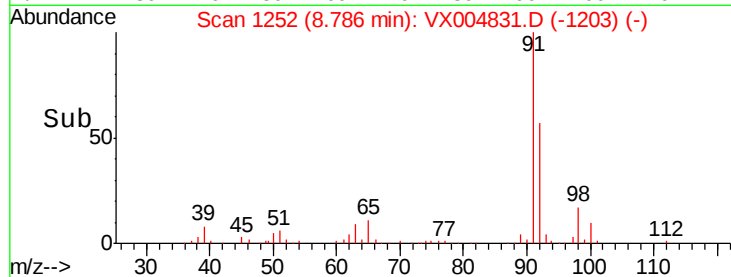
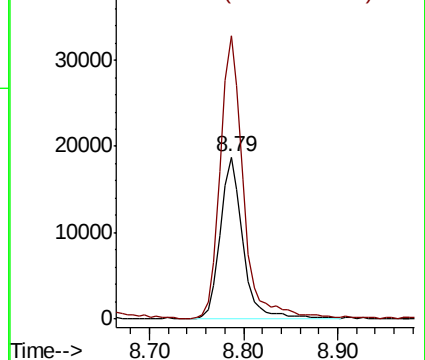
92 100

91 176.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 11.910 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.06 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Tgt Ion: 97 Resp: 40518

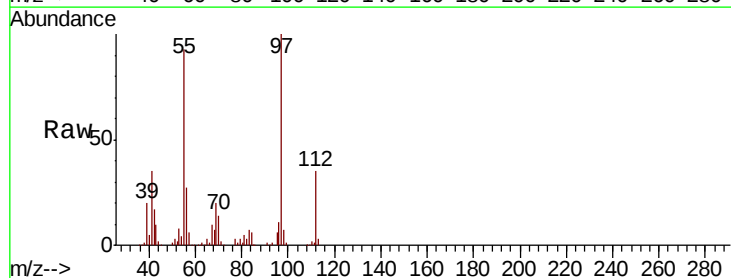
Ion Ratio Lower Upper

97 100

83 6.7 66.4 99.6#

85 0.9 43.3 64.9#

99 0.8 49.0 73.4#

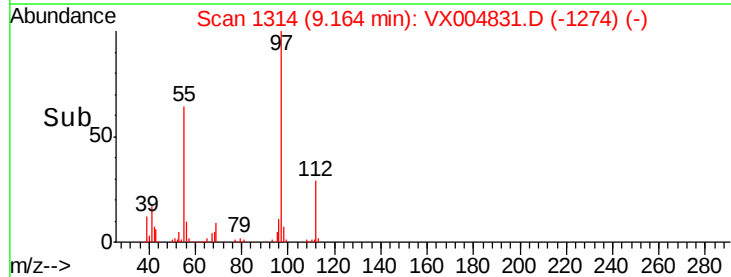
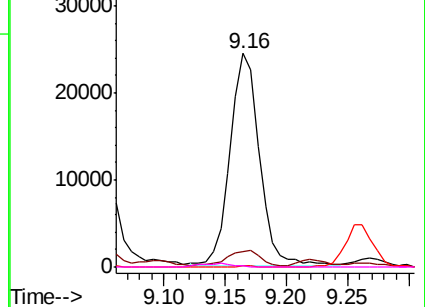


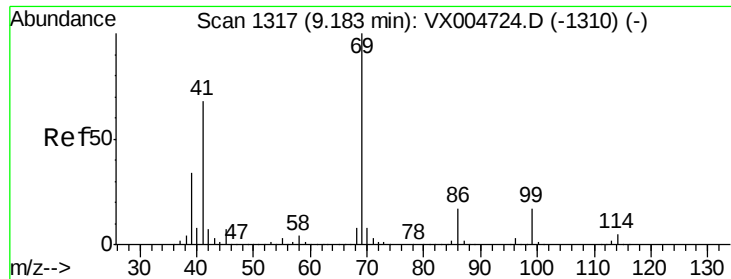
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

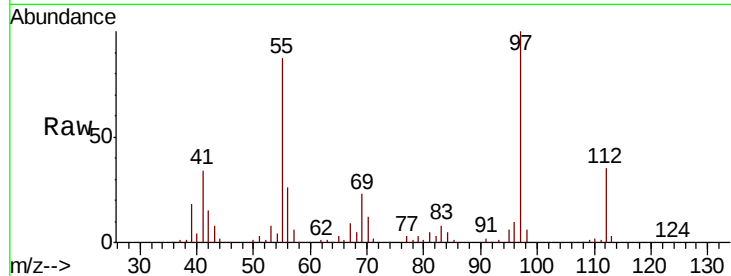




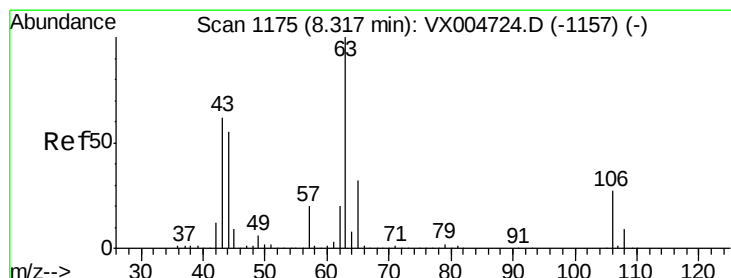
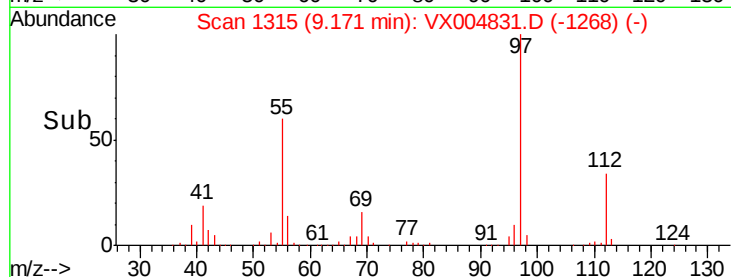
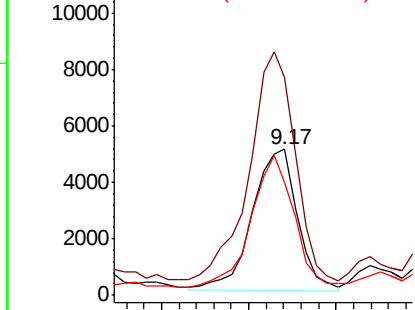
#56
 Ethyl methacrylate
 Concen: 4.398 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX004831.D
 Acq: 28 Sep 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JBW-7333-9001

Tot Ion: 69 Resp: 8992
 Ion Ratio Lower Upper
 69 100
 41 166.1 51.0 76.4#
 39 90.3 26.1 39.1#

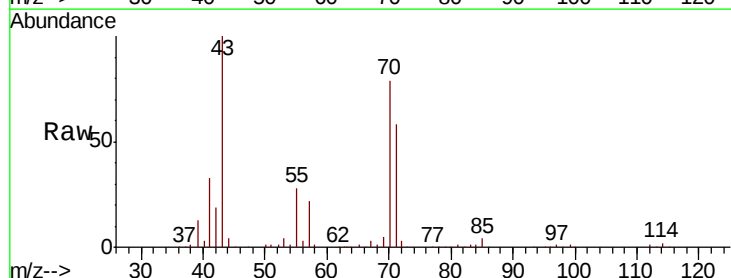


Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0

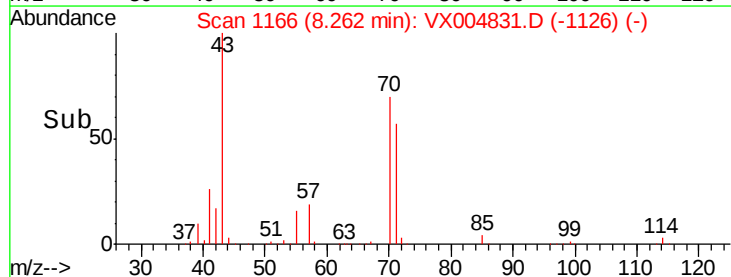
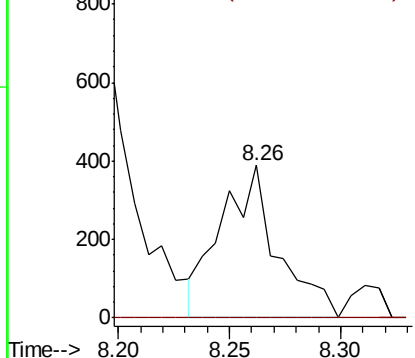


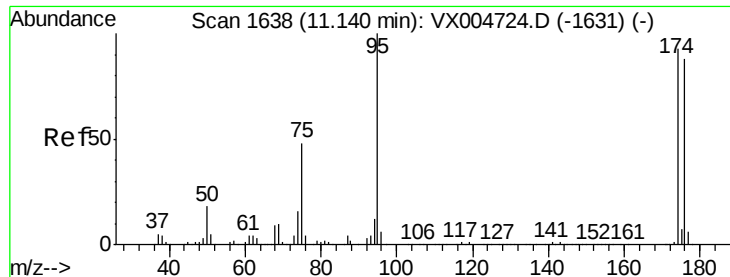
#58
 2-Chloroethyl Vinyl ether
 Concen: 14.463 ug/l
 RT: 8.26 min Scan# 1166
 Delta R.T. -0.05 min
 Lab File: VX004831.D
 Acq: 28 Sep 2018 19:39

Tgt Ion: 63 Resp: 688
 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

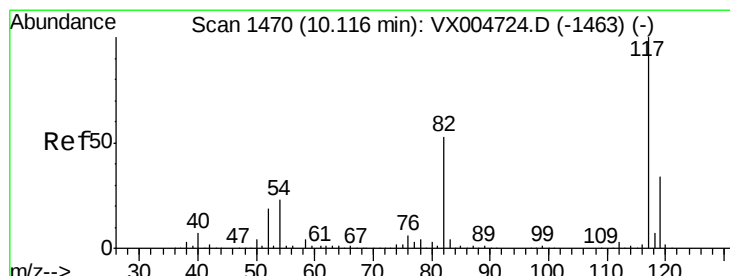
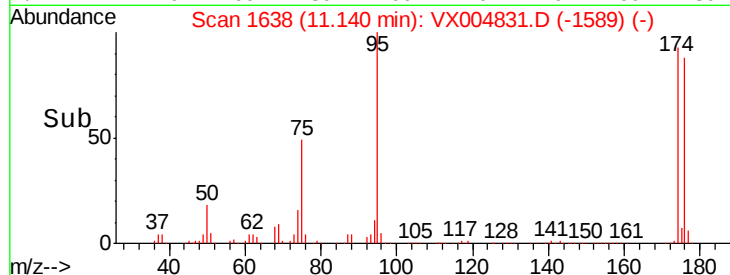
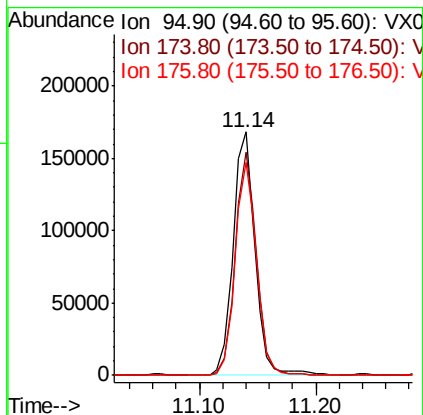
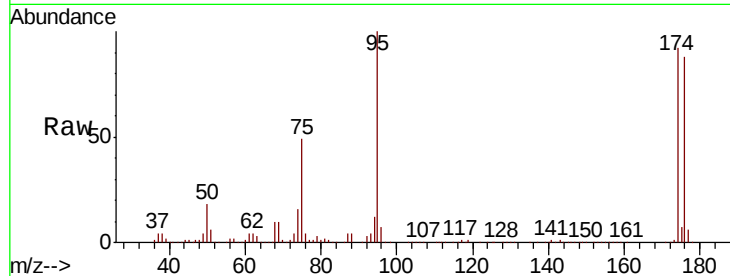




#62
4-Bromofluorobenzene
Concen: 55.738 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

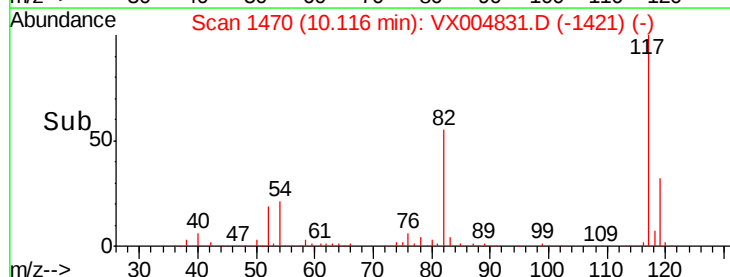
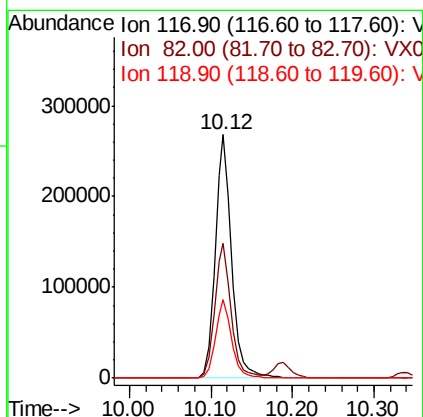
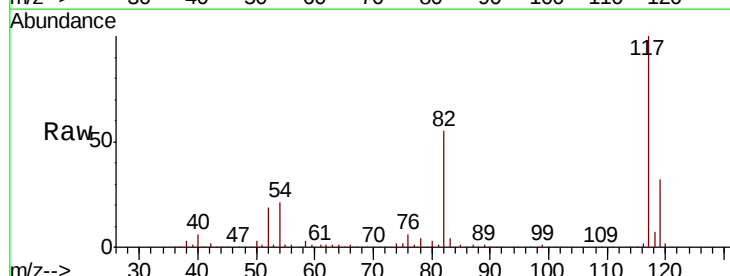
Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333-9001

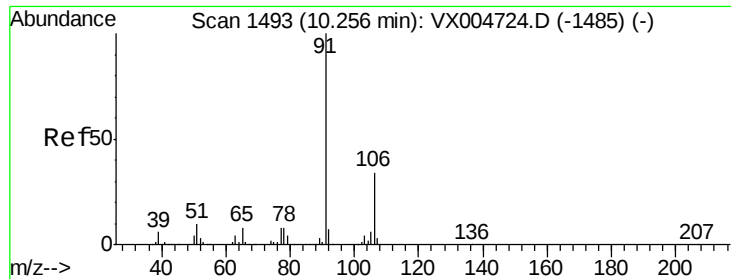
Tot Ion: 95 Resp: 220898
Ion Ratio Lower Upper
95 100
174 88.8 0.0 185.2
176 85.6 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

Tgt Ion: 117 Resp: 381059
Ion Ratio Lower Upper
117 100
82 55.2 47.8 71.6
119 32.0 29.3 43.9

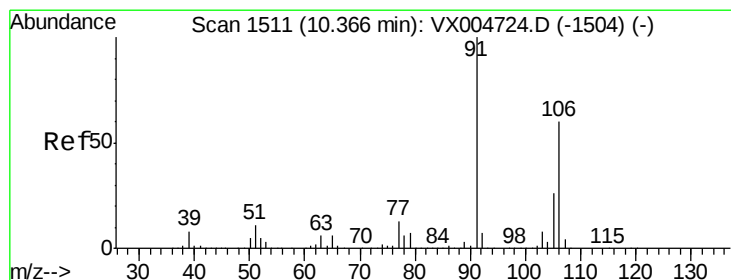
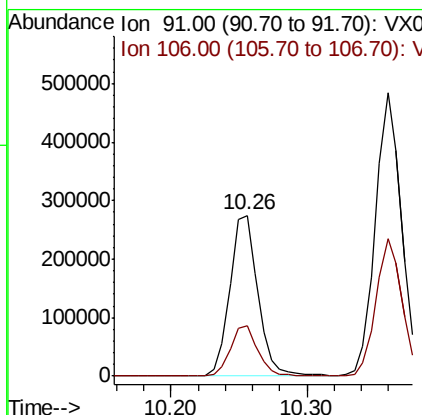
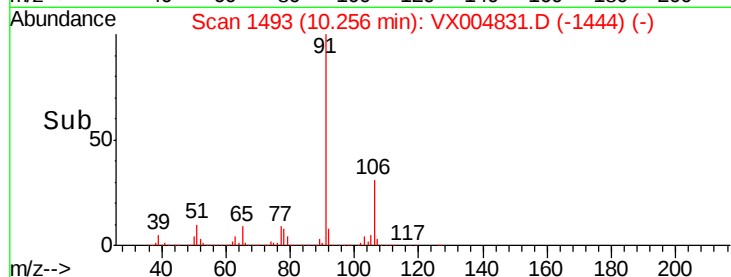
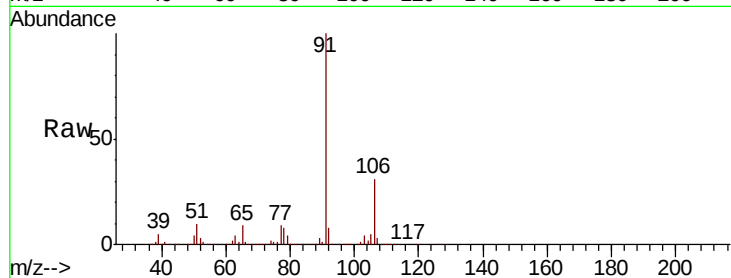




#67
Ethyl Benzene
Concen: 25.538 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

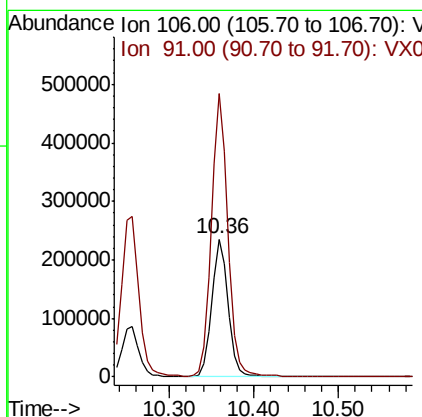
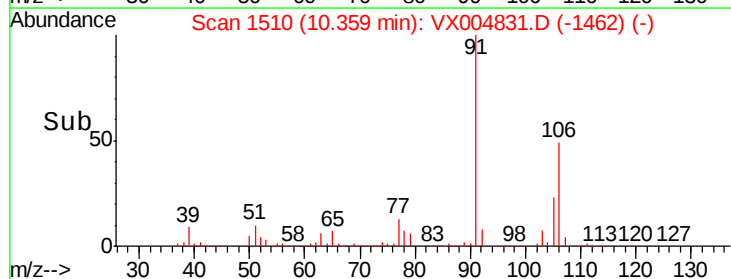
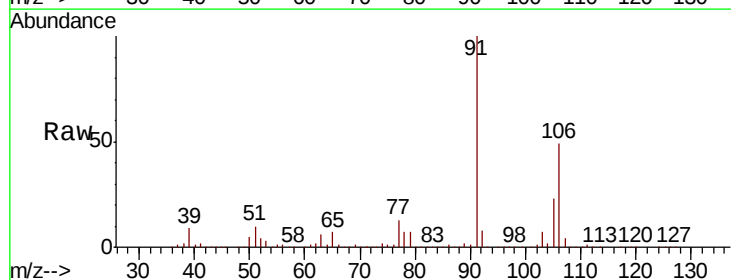
Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333-9001

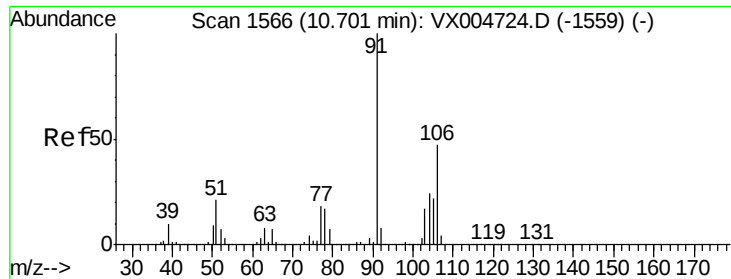
Tot Ion: 91 Resp: 396182
Ion Ratio Lower Upper
91 100
106 31.2 25.9 38.9



#68
m/p-Xylenes
Concen: 52.745 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

Tgt Ion: 106 Resp: 319750
Ion Ratio Lower Upper
106 100
91 205.3 157.1 235.7

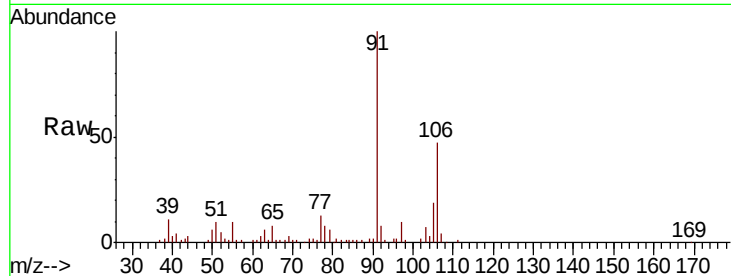




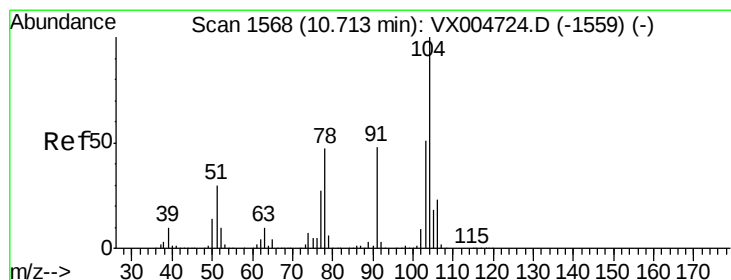
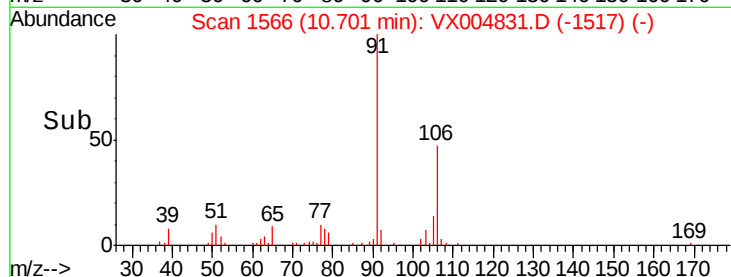
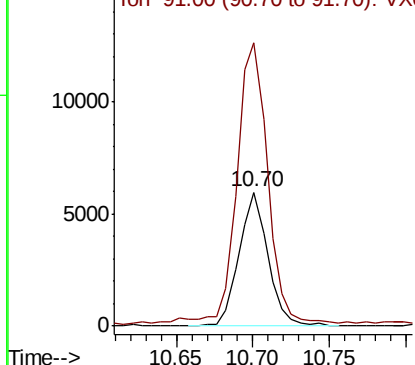
#69
o-Xylene
Concen: 1.414 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333-9001

Tot Ion:106 Resp: 7872
Ion Ratio Lower Upper
106 100
91 221.7 105.1 315.1

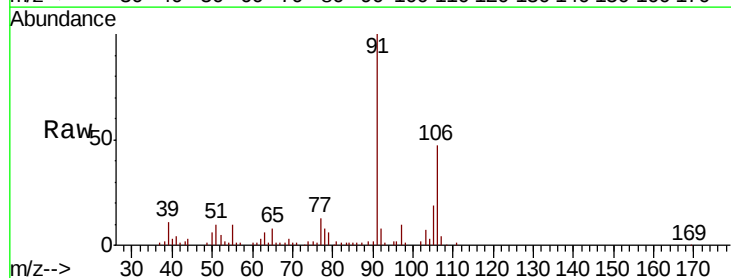


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

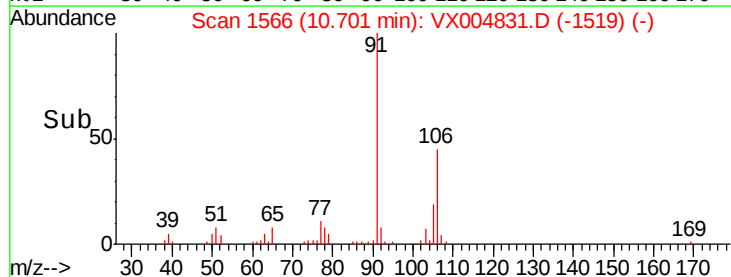
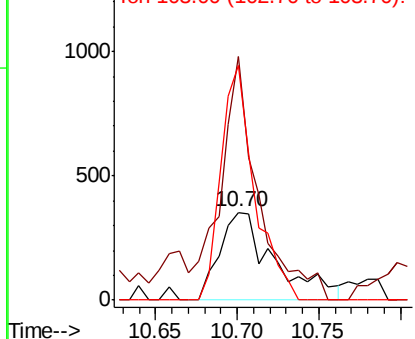


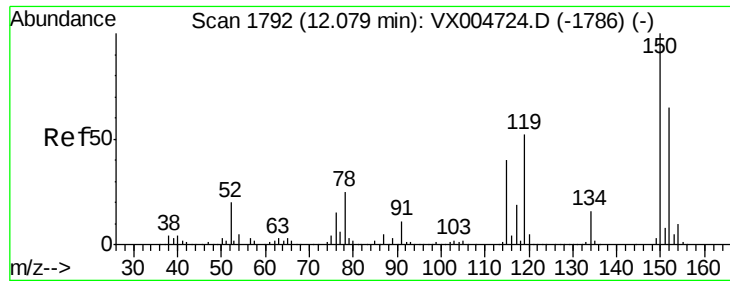
#70
Styrene
Concen: 2.216 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

Tgt Ion:104 Resp: 827
Ion Ratio Lower Upper
104 100
78 190.1 37.4 56.0#
103 164.3 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: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333-9001

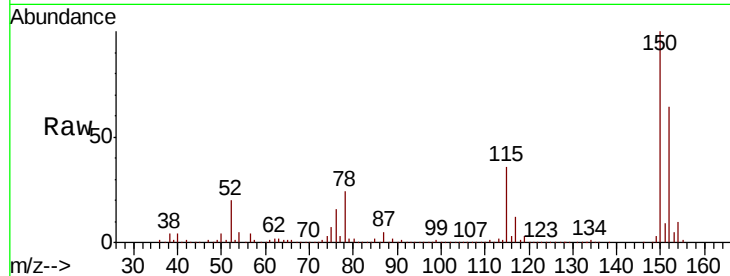
Tot Ion:152 Resp: 228358

Ion Ratio Lower Upper

152 100

115 57.2 39.0 117.0

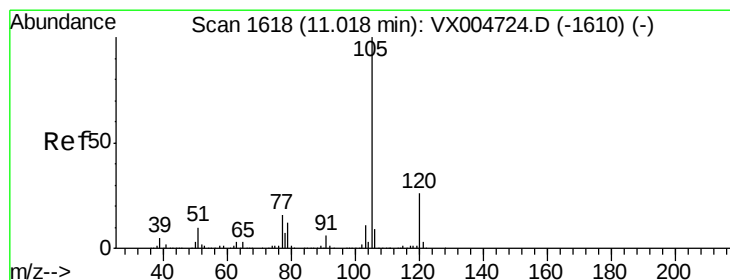
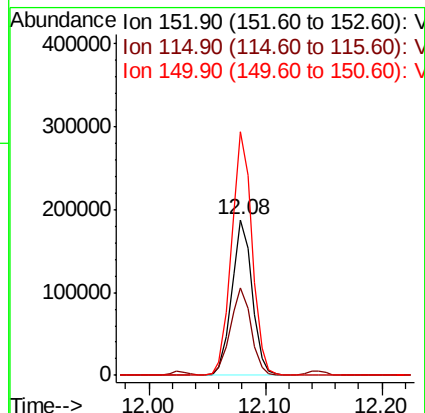
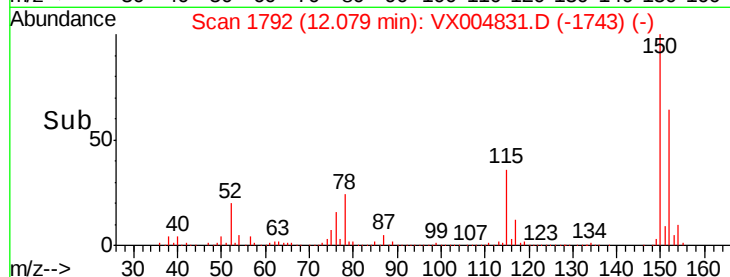
150 157.3 0.0 351.0



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: 10.652 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004831.D

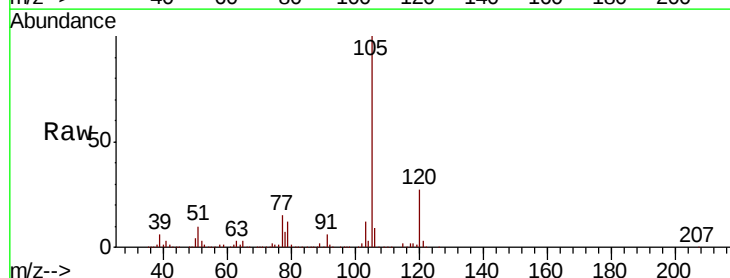
Acq: 28 Sep 2018 19:39

Tgt Ion:105 Resp: 153329

Ion Ratio Lower Upper

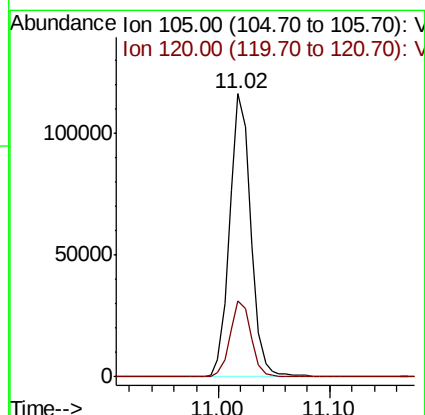
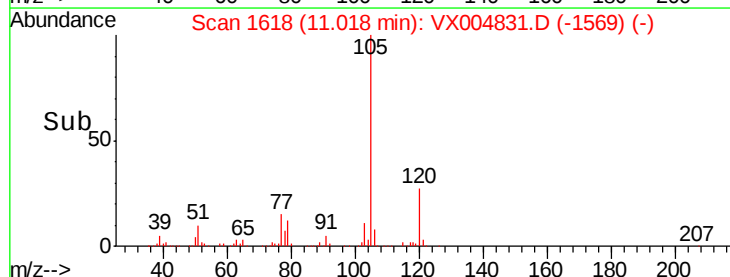
105 100

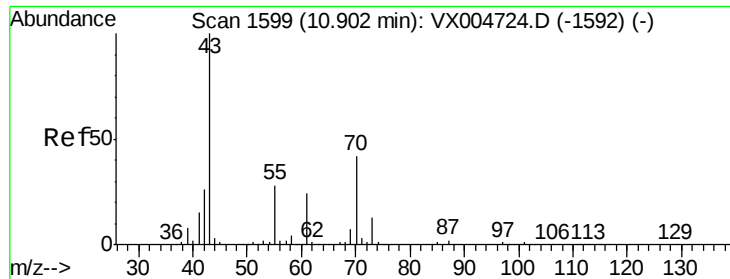
120 26.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.857 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333-9001

Tot Ion: 43 Resp: 898

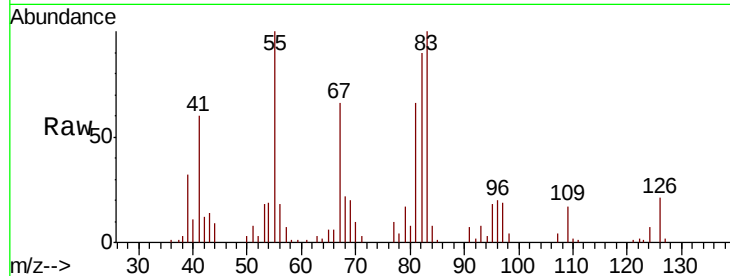
Ion Ratio Lower Upper

43 100

70 112.5 37.4 56.0#

55 939.3 21.8 32.8#

61 0.0 20.6 30.8#



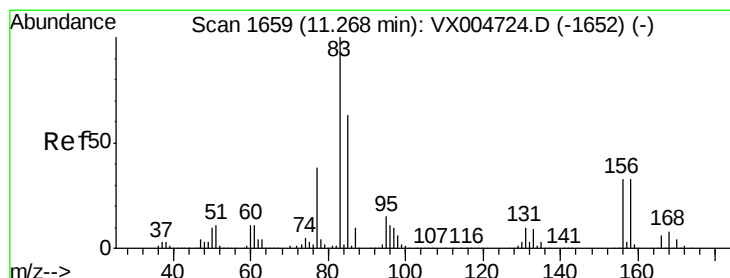
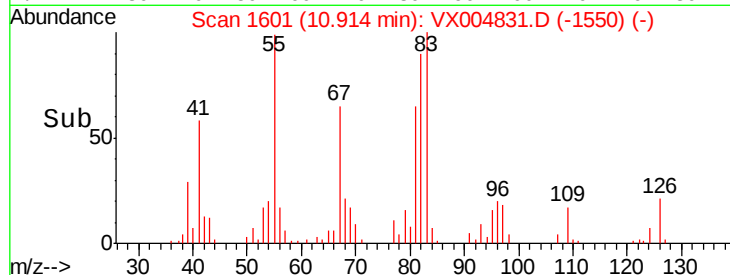
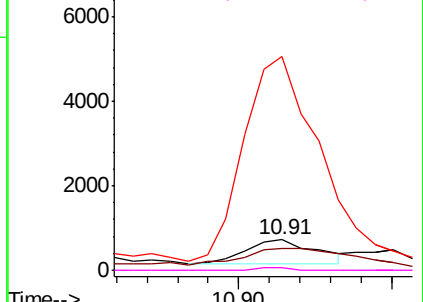
Abundance

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



#75

1,1,2,2-Tetrachloroethane

Concen: 0.203 ug/l

RT: 11.28 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

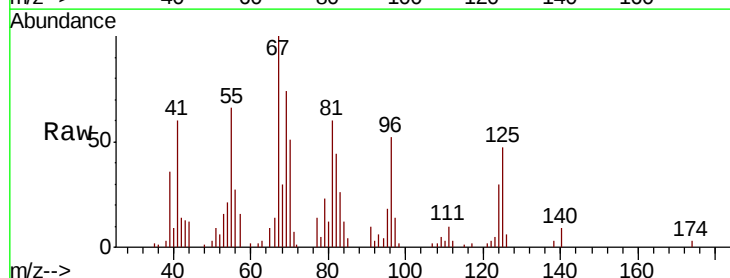
Tgt Ion: 83 Resp: 1190

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 10.3 32.3 96.8#

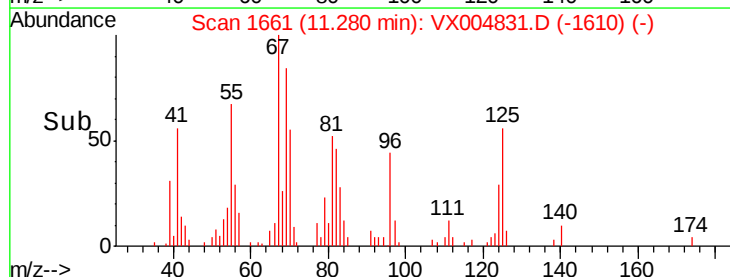
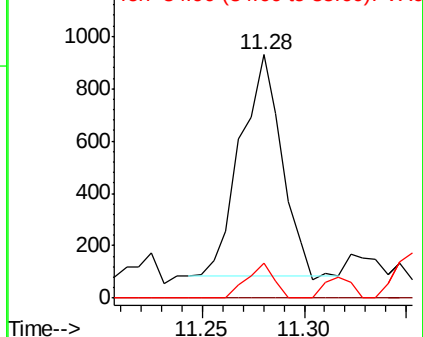


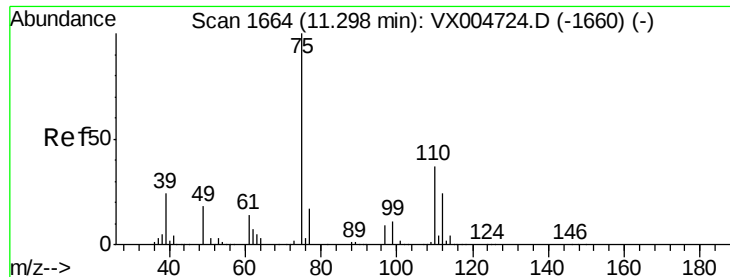
Abundance

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

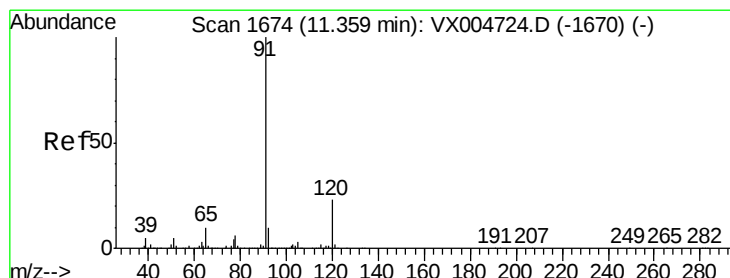
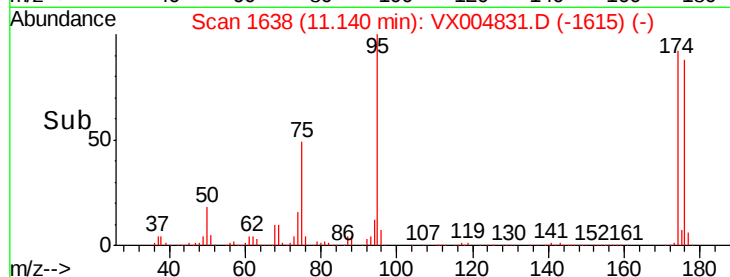
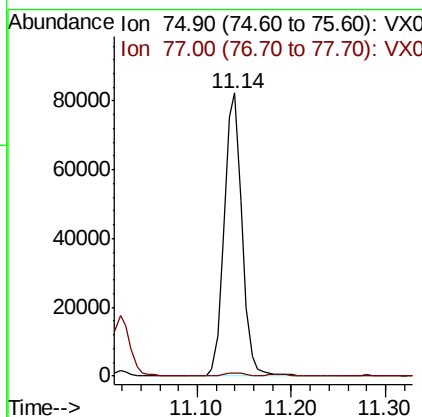
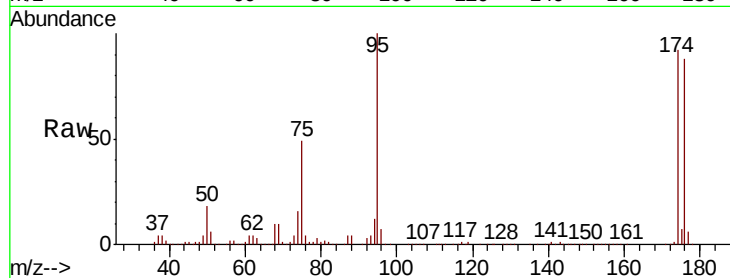




#76
 1,2,3-Trichloropropane
 Concen: 20.910 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004831.D
 Acq: 28 Sep 2018 19:39

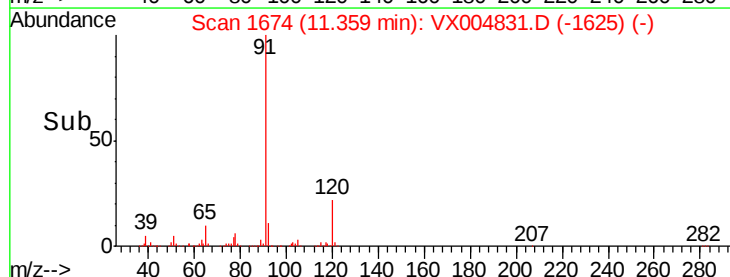
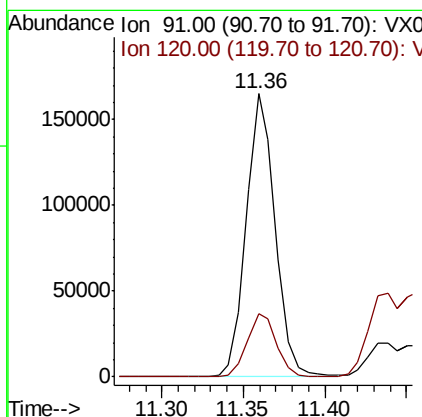
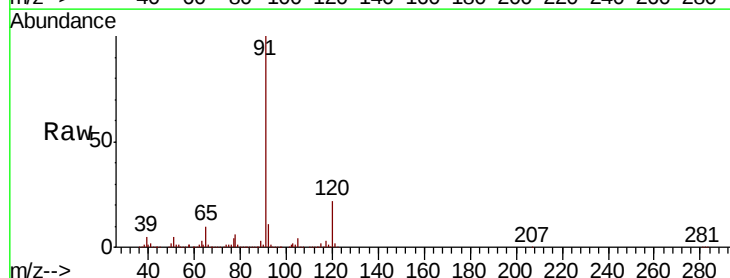
Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JBW-7333-9001

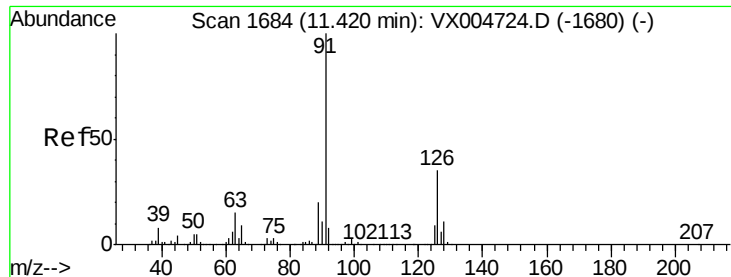
Tot Ion: 75 Resp: 107023
 Ion Ratio Lower Upper
 75 100
 77 0.0 20.2 60.6#



#78
 n-propylbenzene
 Concen: 12.332 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VX004831.D
 Acq: 28 Sep 2018 19:39

Tgt Ion: 91 Resp: 203669
 Ion Ratio Lower Upper
 91 100
 120 22.9 11.9 35.9

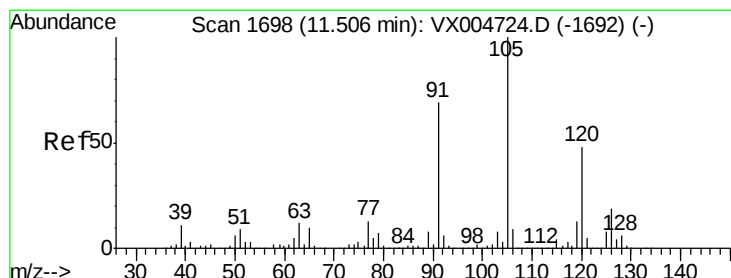
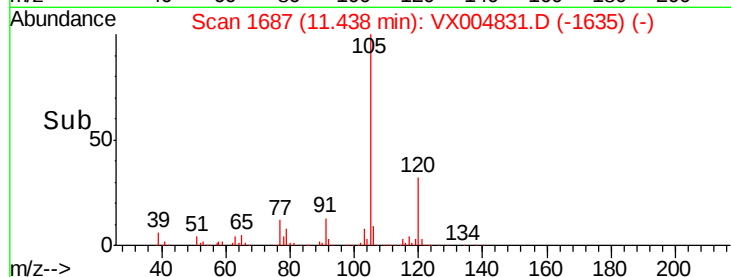
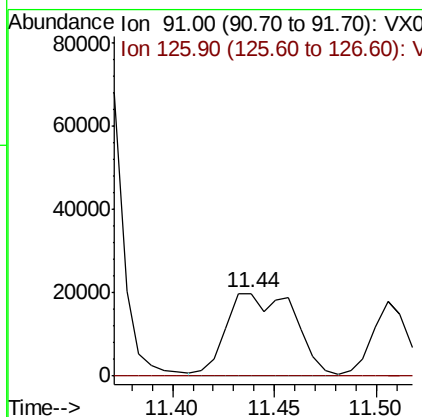
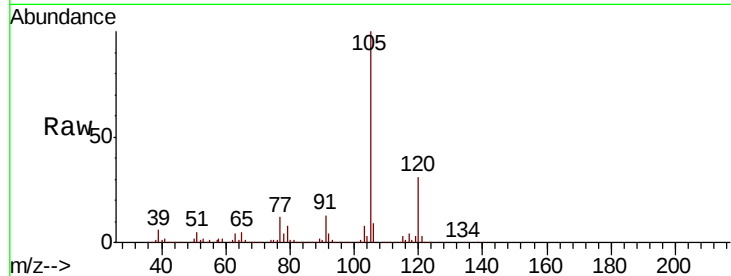




#79
 2-Chlorotoluene
 Concen: 4.462 ug/l
 RT: 11.44 min Scan# 1687
 Delta R.T. 0.02 min
 Lab File: VX004831.D
 Acq: 28 Sep 2018 19:39

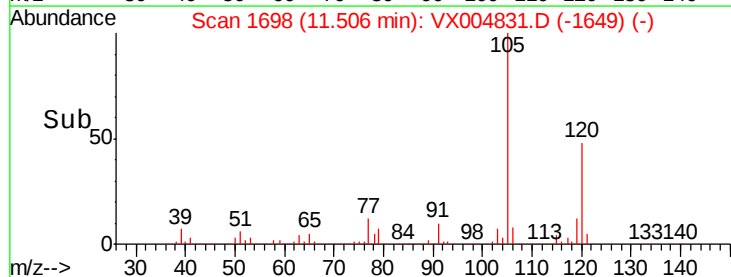
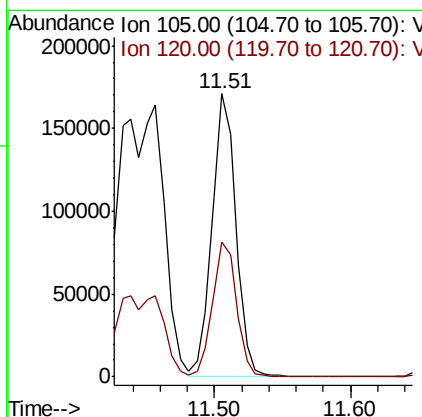
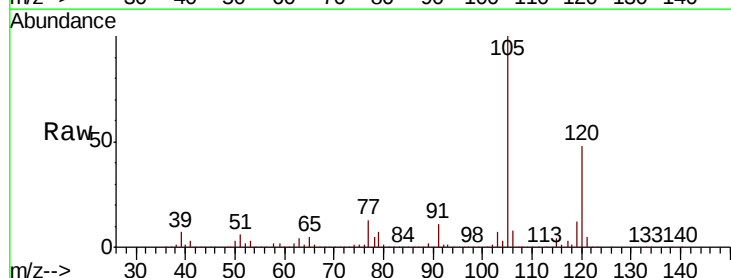
Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JBW-7333-9001

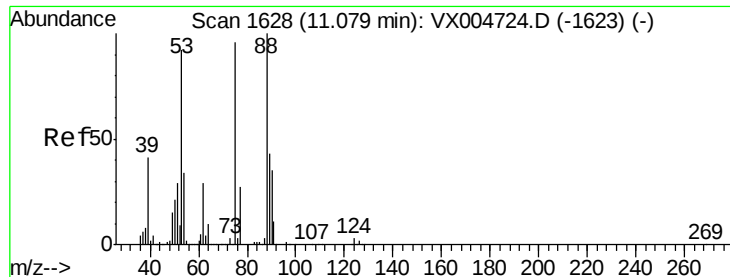
Tot Ion: 91 Resp: 45931
 Ion Ratio Lower Upper
 91 100
 126 0.1 17.9 53.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 15.600 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004831.D
 Acq: 28 Sep 2018 19:39

Tgt Ion: 105 Resp: 207596
 Ion Ratio Lower Upper
 105 100
 120 48.7 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 56.749 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333-9001

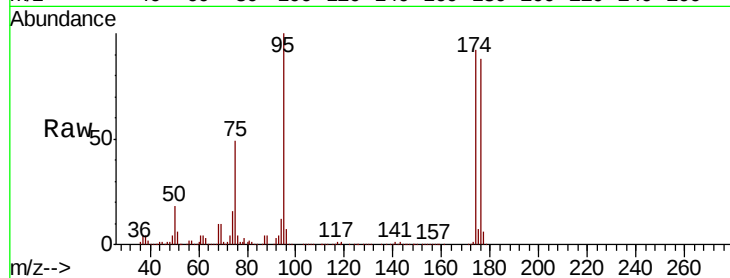
Tot Ion: 75 Resp: 107023

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

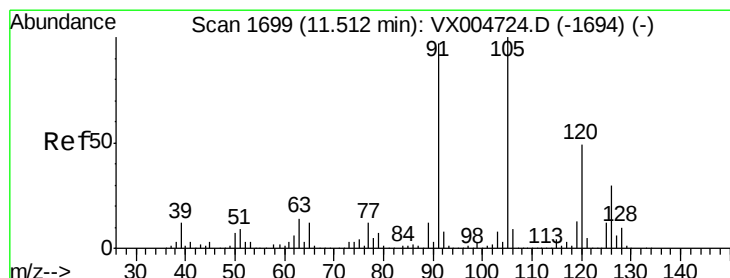
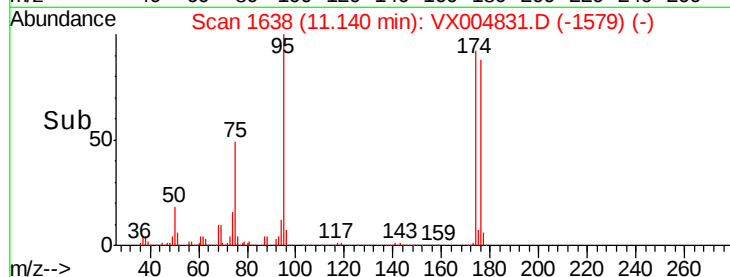
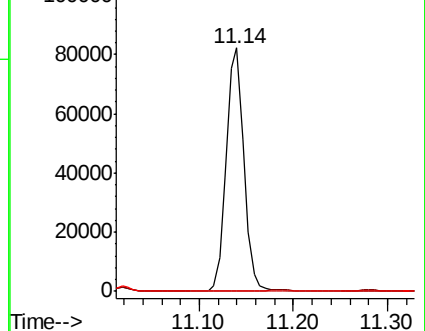
89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 1.782 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX004831.D

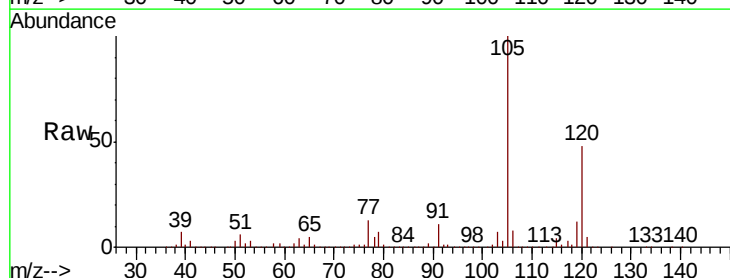
Acq: 28 Sep 2018 19:39

Tgt Ion: 91 Resp: 21593

Ion Ratio Lower Upper

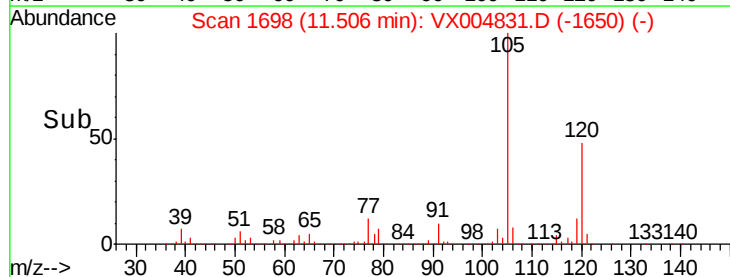
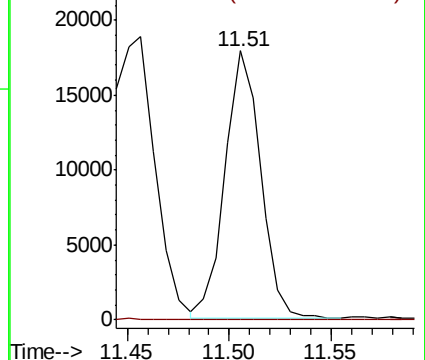
91 100

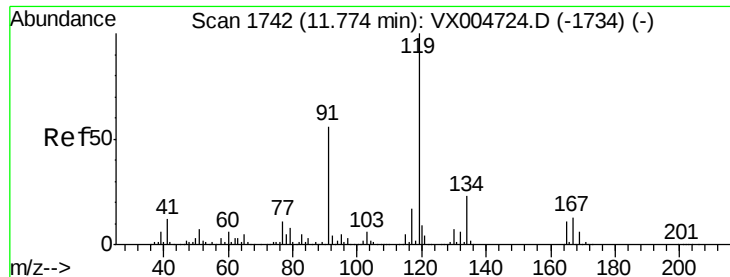
126 0.3 15.5 46.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.600 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333-9001

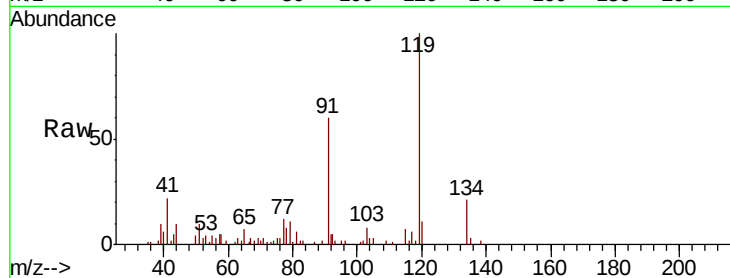
Tot Ion:119 Resp: 7116

Ion Ratio Lower Upper

119 100

91 64.9 27.0 81.0

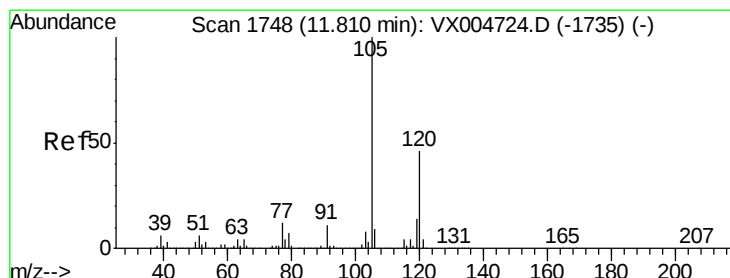
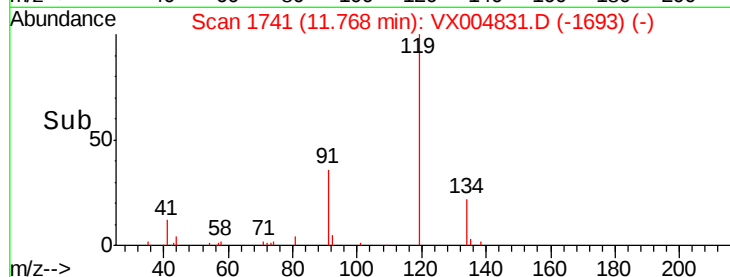
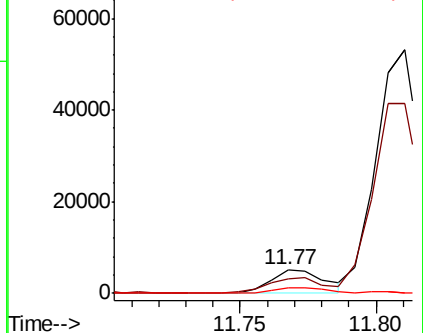
134 24.7 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 37.481 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX004831.D

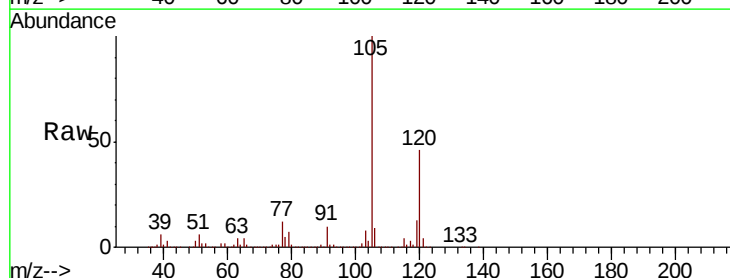
Acq: 28 Sep 2018 19:39

Tgt Ion:105 Resp: 510597

Ion Ratio Lower Upper

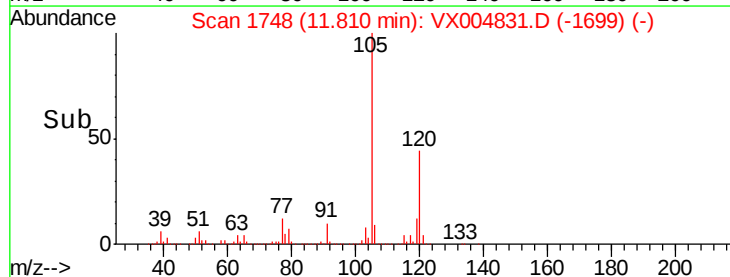
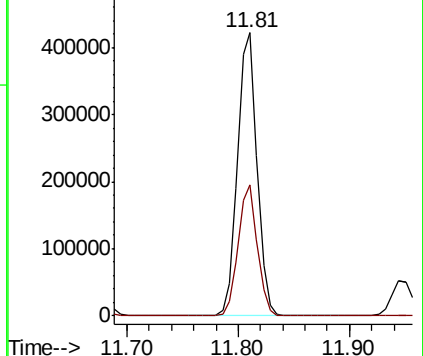
105 100

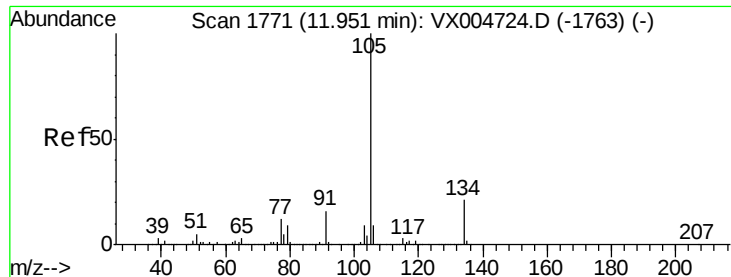
120 45.6 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.717 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

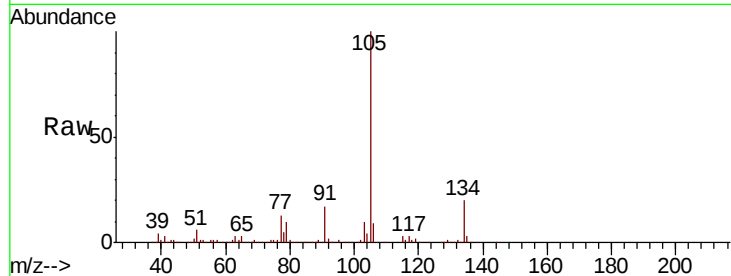
FA18-JBW-7333-9001

Tot Ion:105 Resp: 68095

Ion Ratio Lower Upper

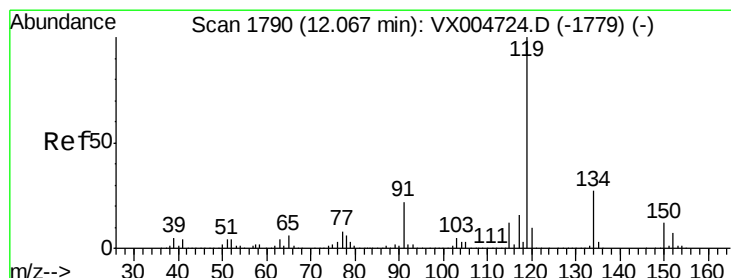
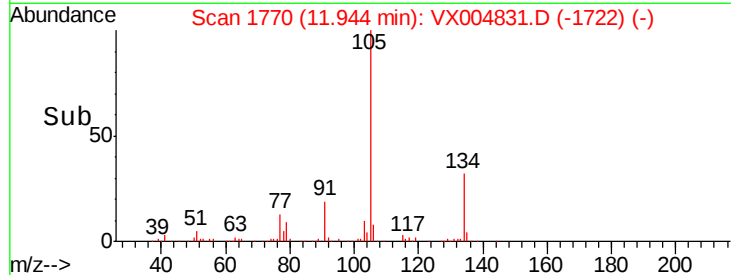
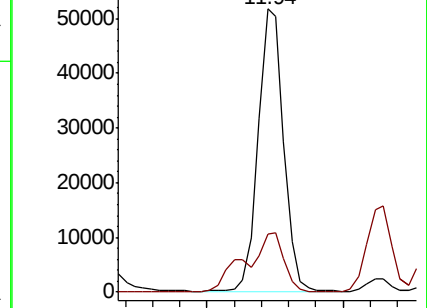
105 100

134 31.7 10.5 31.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.482 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

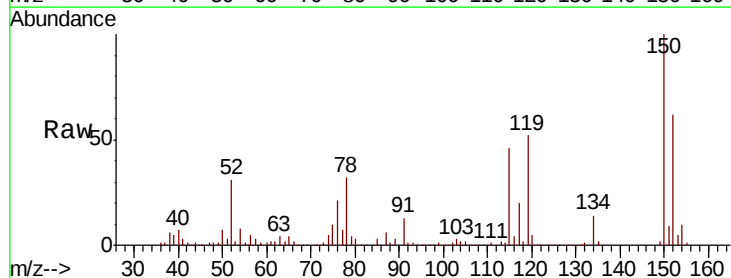
Tgt Ion:119 Resp: 45541

Ion Ratio Lower Upper

119 100

134 28.2 13.4 40.2

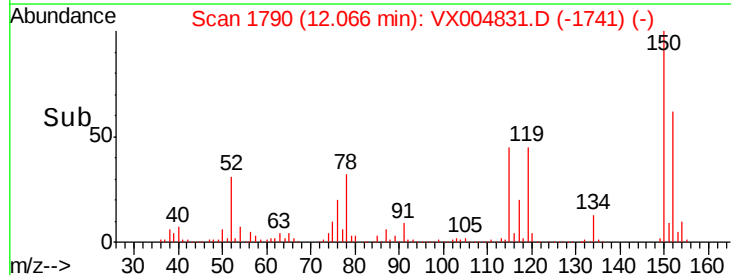
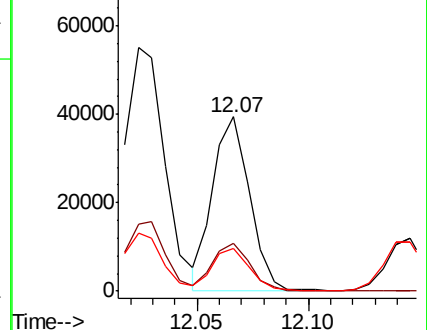
91 24.6 10.9 32.7

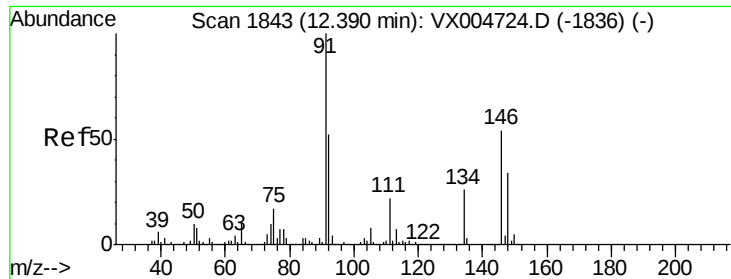


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

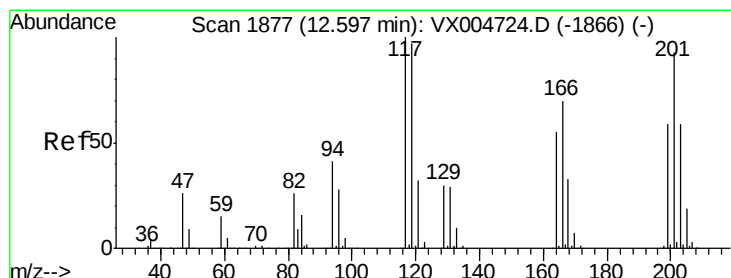
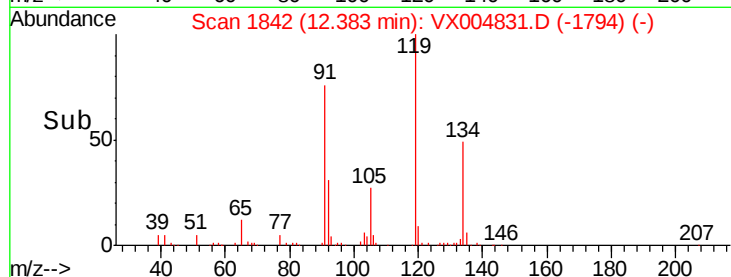
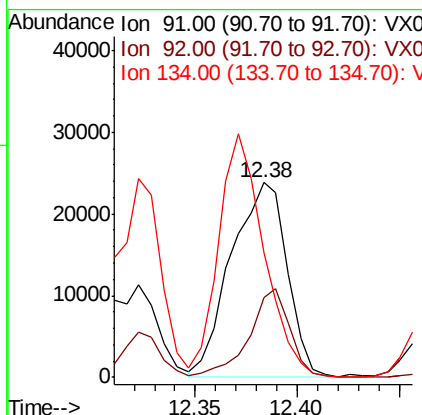
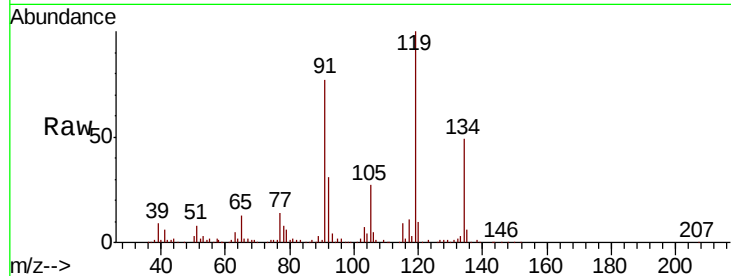




#89
n-Butylbenzene
Concen: 3.788 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

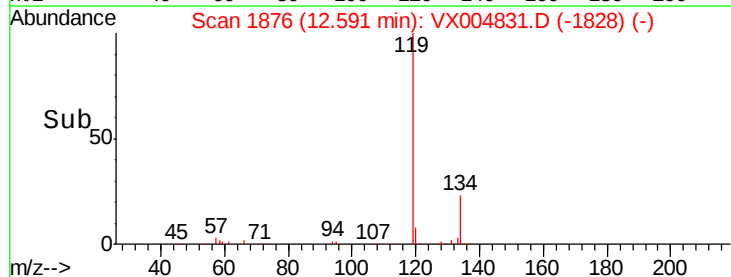
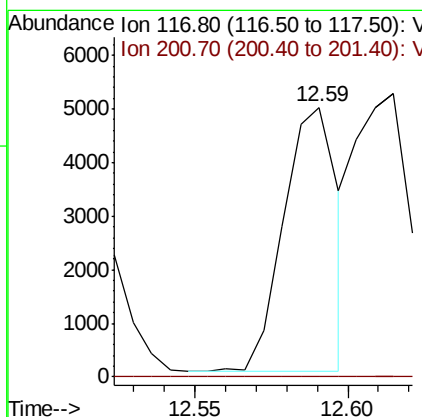
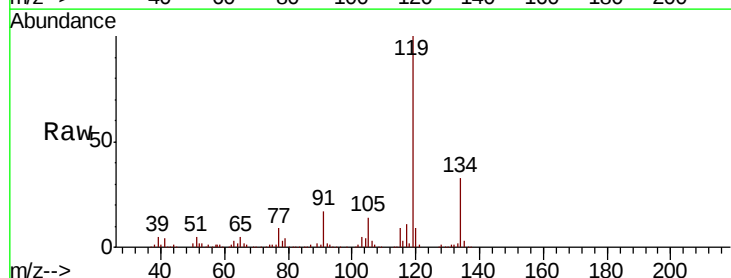
Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333-9001

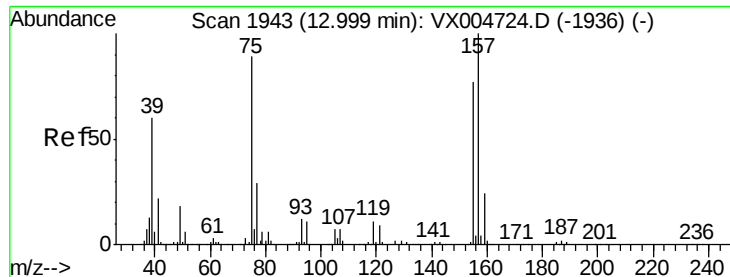
Tot Ion: 91 Resp: 44986
Ion Ratio Lower Upper
91 100
92 33.2 27.3 81.9
134 101.7 13.6 40.7#



#90
Hexachloroethane
Concen: 2.761 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

Tgt Ion: 117 Resp: 6011
Ion Ratio Lower Upper
117 100
201 0.0 46.9 140.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.457 ug/l

RT: 12.99 min Scan# 1941

Delta R.T. -0.01 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333-9001

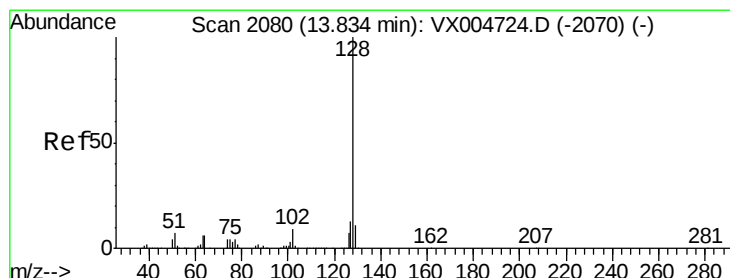
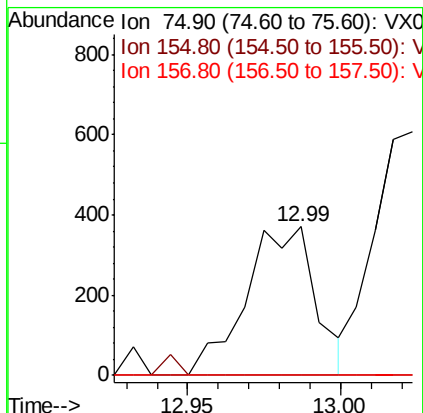
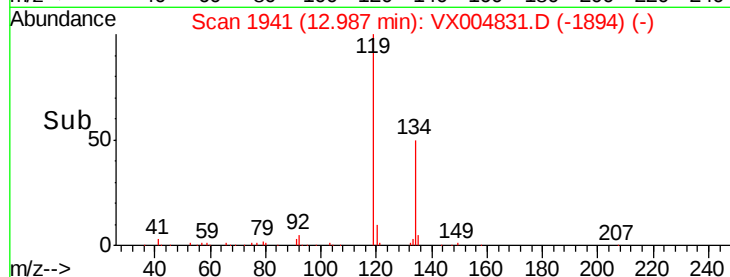
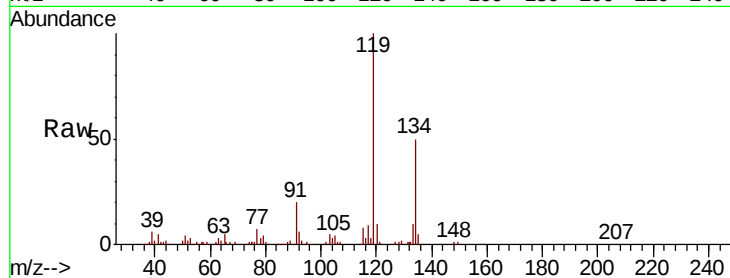
Tot Ion: 75 Resp: 588

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

157 0.0 61.4 184.1#



#95

Naphthalene

Concen: 3.693 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Tgt Ion: 128 Resp: 57300

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.2

129 12.6 8.6 12.8

