

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012819\
 Data File : VW008434.D
 Acq On : 28 Jan 2019 12:47
 Operator : SY/VA
 Sample : K1261-01
 Misc : 5.65G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EL-EAST-OF-JDHS

Quant Time: Jan 29 04:13:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	433440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	695722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	581416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	234452	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	219579	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.88	113	215352	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
50) Toluene-d8	10.32	98	812858	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.62	95	265965	42.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.82%	

Target Compounds

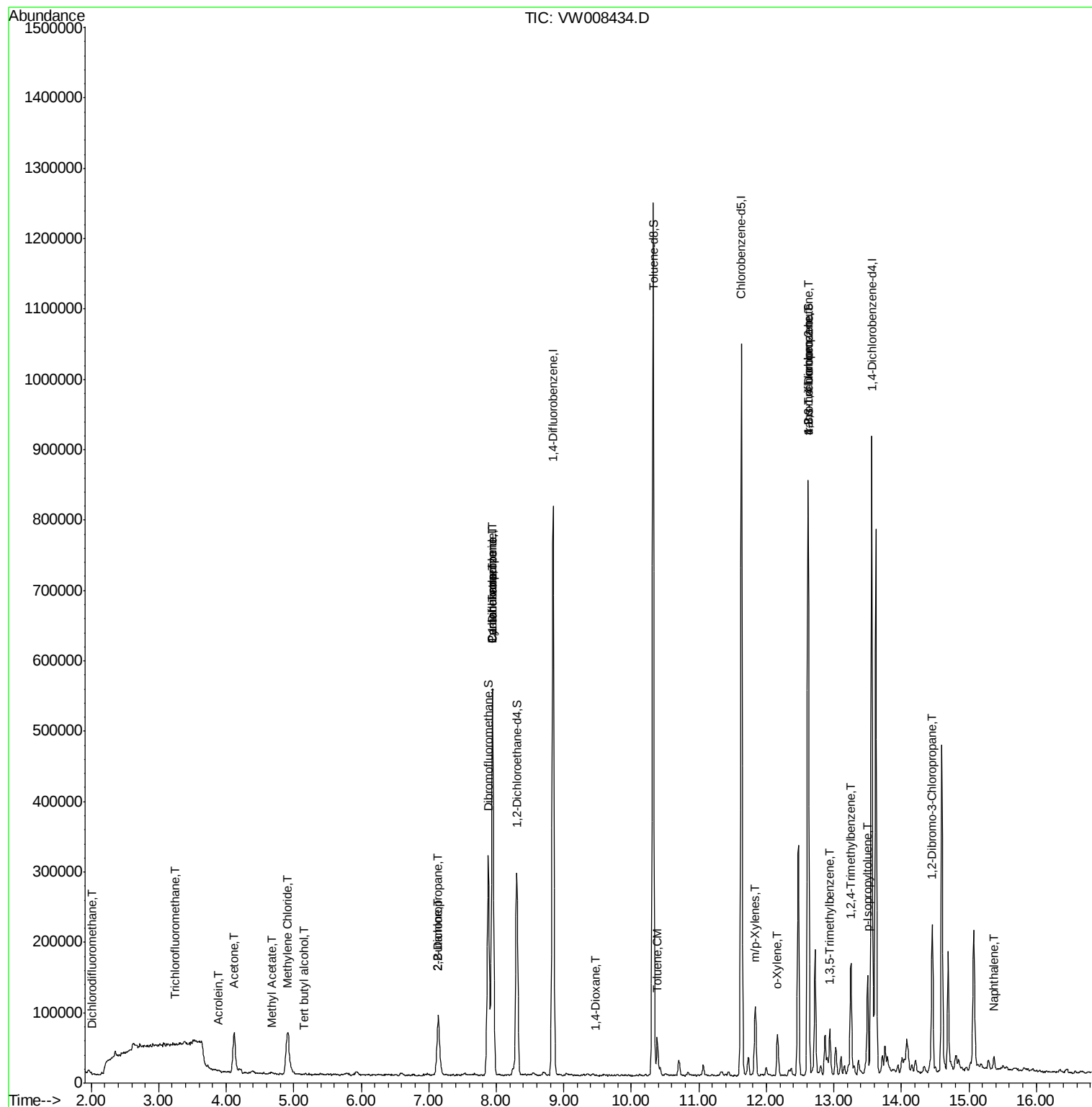
						Qvalue
2) Dichlorodifluoromethane	2.01	85	376	3.393	ug/l #	41
7) Trichlorofluoromethane	3.24	101	308	4.796	ug/l #	17
11) Tert butyl alcohol	5.17	59	2204	6.429	ug/l #	90
13) Acrolein	3.89	56	223	4.910	ug/l #	68
16) Acetone	4.12	43	98241	102.738	ug/l	98
18) Methyl Acetate	4.67	43	5944	2.331	ug/l #	86
20) Methylene Chloride	4.91	84	51759	11.744	ug/l	95
25) 2-Butanone	7.13	43	2598	1.956	ug/l #	83
26) 2,2-Dichloropropane	7.14	77	6324	1.158	ug/l #	55
31) Cyclohexane	7.95	56	9605	1.149	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	30105	4.581	ug/l #	51
38) Carbon Tetrachloride	7.95	117	41025	6.203	ug/l #	18
49) 1,4-Dioxane	9.46	88	50	1.265	ug/l #	1
52) Toluene	10.39	92	22726	1.888	ug/l	97
68) m/p-Xylenes	11.83	106	31321	3.700	ug/l	91
69) o-Xylene	12.16	106	15430	1.918	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	134840	66.150	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	15014	1.028	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.62	75	134840	130.652	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.26	105	82816	5.577	ug/l	100
86) p-Isopropyltoluene	13.50	119	75981	4.672	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.46	75	533	1.015	ug/l #	1
95) Naphthalene	15.37	128	15708	1.838	ug/l #	95

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008434.D

Acq: 28 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

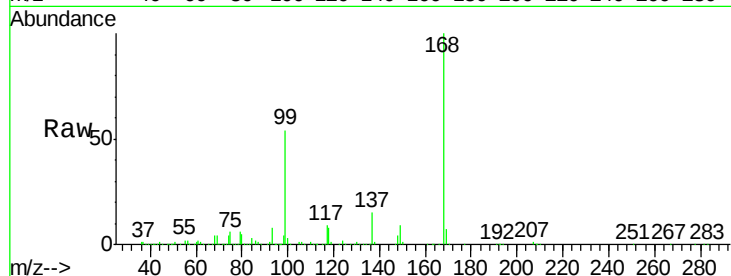
EL-EAST-OF-JDHS

Tgt Ion:168 Resp: 433440

Ion Ratio Lower Upper

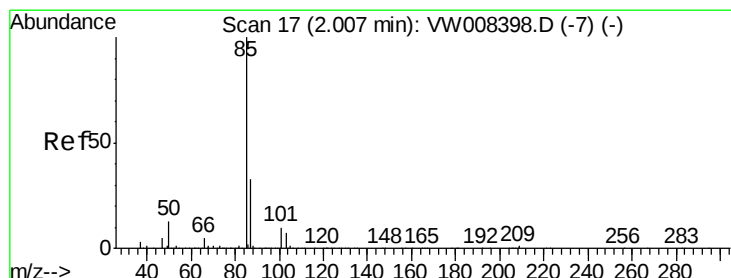
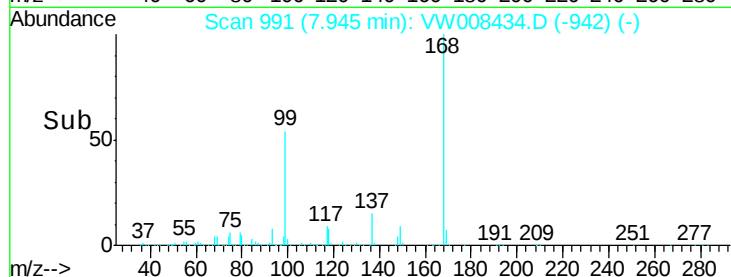
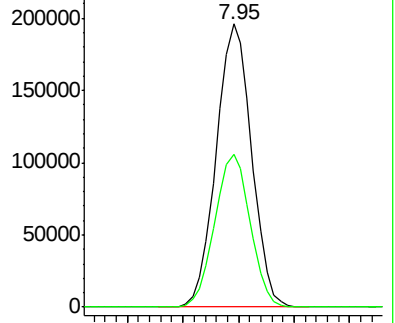
168 100

99 53.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 3.393 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008434.D

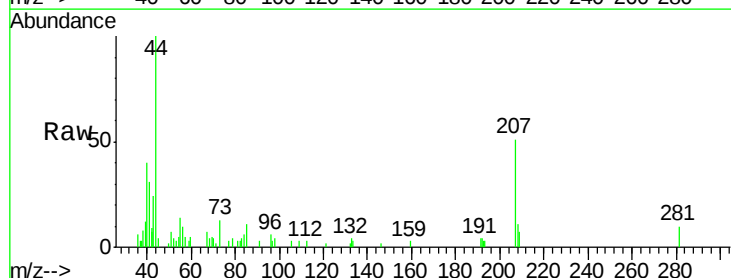
Acq: 28 Jan 2019 12:47

Tgt Ion: 85 Resp: 376

Ion Ratio Lower Upper

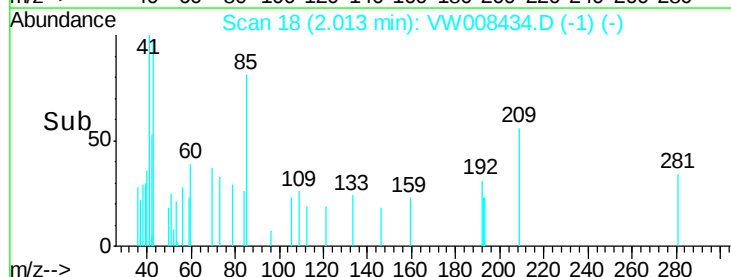
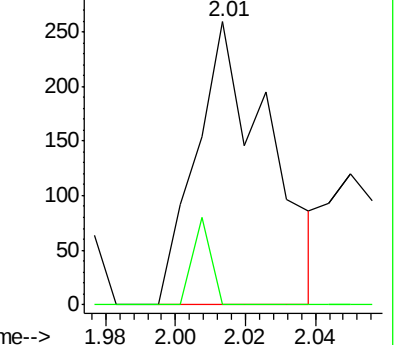
85 100

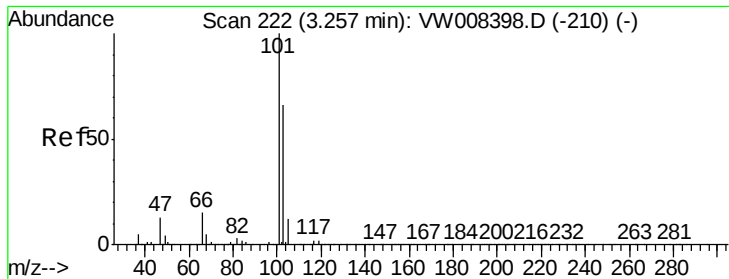
87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



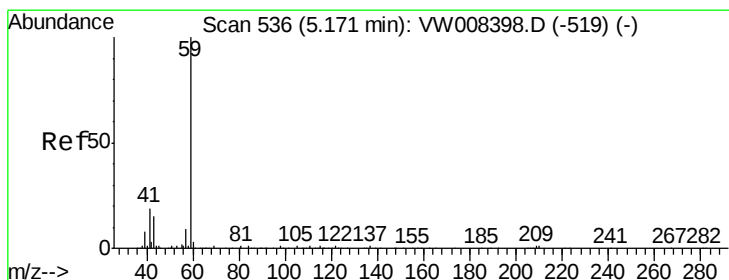
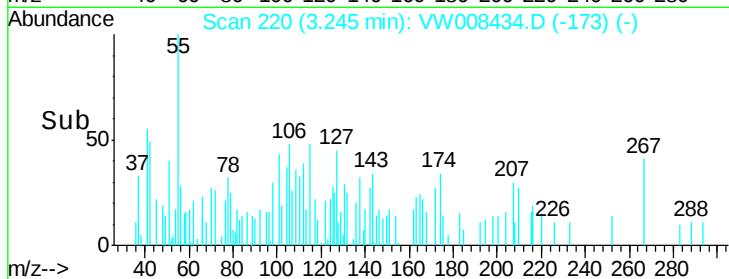
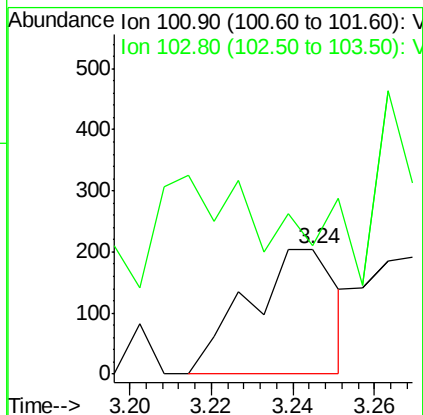
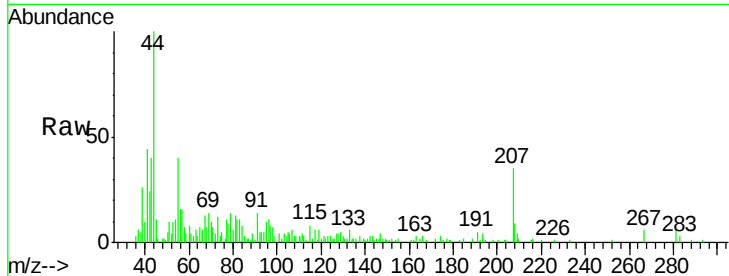


#7

Trichlorofluoromethane
Concen: 4.796 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008434.D
Acq: 28 Jan 2019 12:47

Instrument :
MSVOA_W
ClientSampleId :
EL-EAST-OF-JDHS

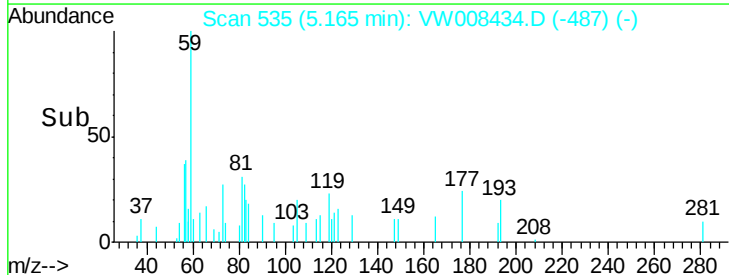
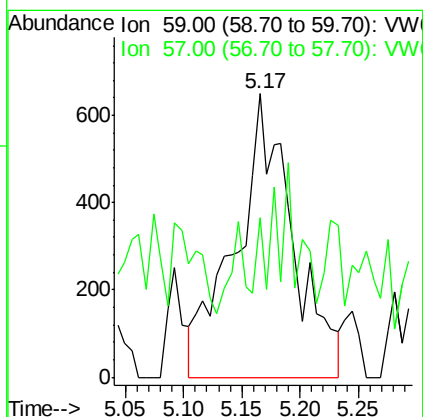
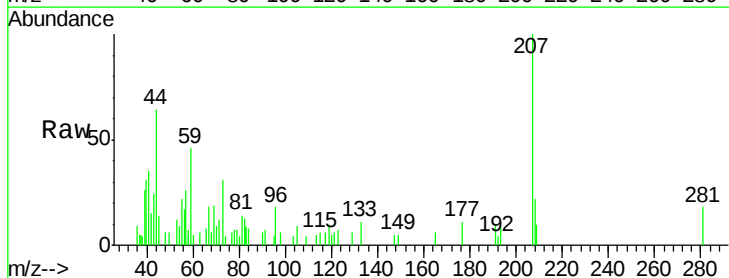
Tgt Ion:101 Resp: 308
Ion Ratio Lower Upper
101 100
103 0.0 52.5 78.7#

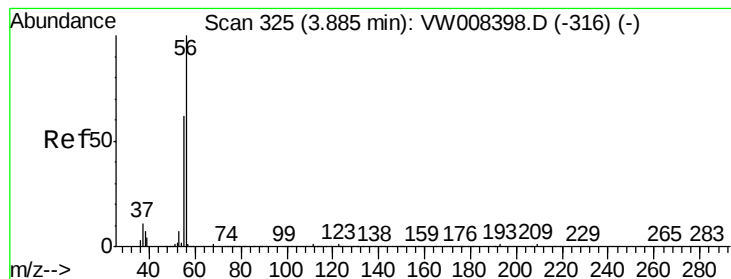


#11

Tert butyl alcohol
Concen: 6.429 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008434.D
Acq: 28 Jan 2019 12:47

Tgt Ion: 59 Resp: 2204
Ion Ratio Lower Upper
59 100
57 7.6 9.3 13.9#





#13

Acrolein

Concen: 4.910 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008434.D

Acq: 28 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

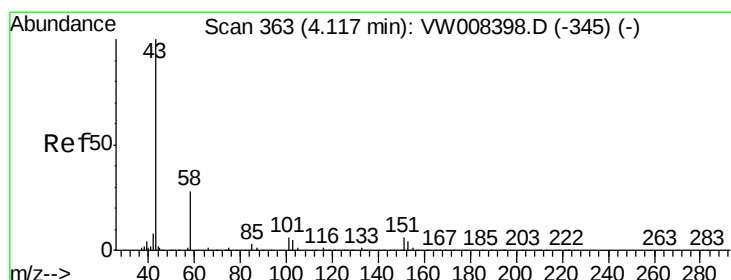
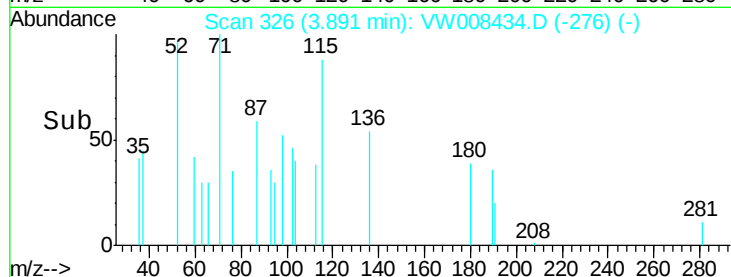
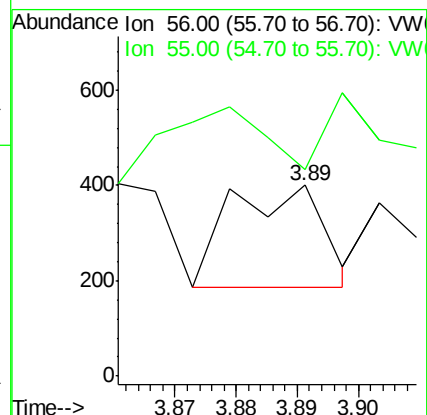
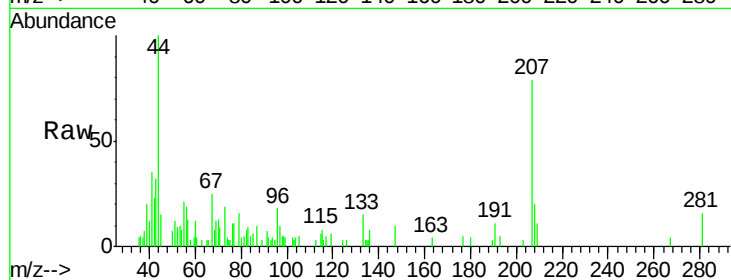
EL-EAST-OF-JDHS

Tgt Ion: 56 Resp: 223

Ion Ratio Lower Upper

56 100

55 44.4 56.7 85.1#



#16

Acetone

Concen: 102.738 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008434.D

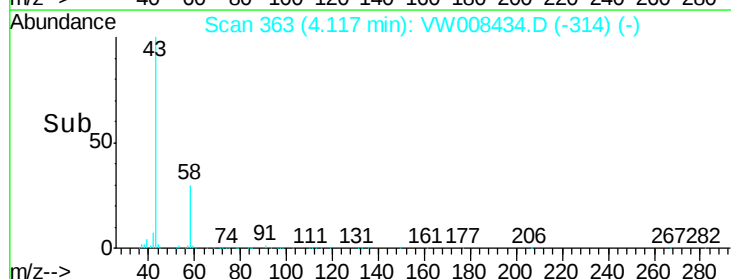
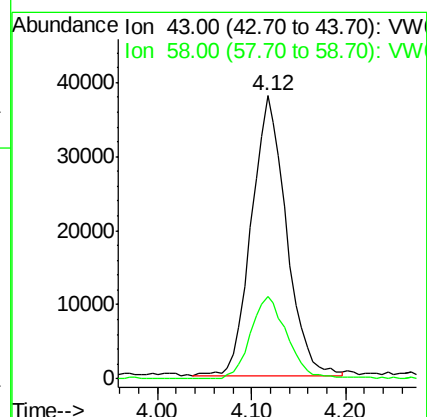
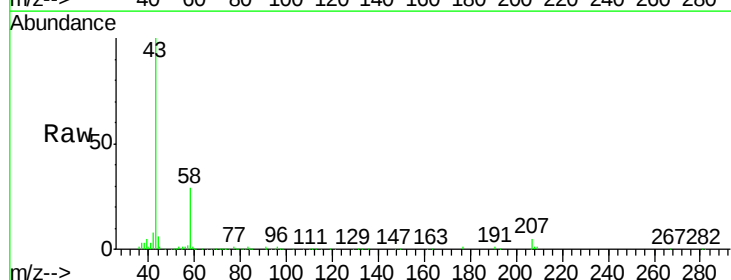
Acq: 28 Jan 2019 12:47

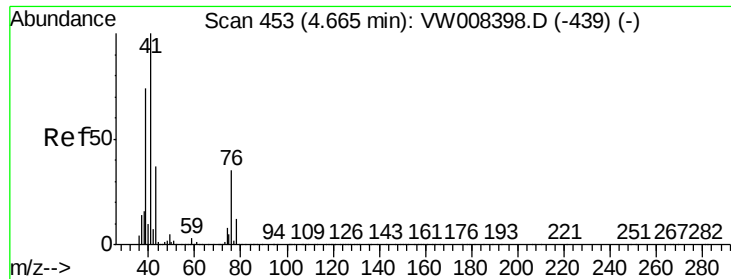
Tgt Ion: 43 Resp: 98241

Ion Ratio Lower Upper

43 100

58 29.3 22.6 34.0

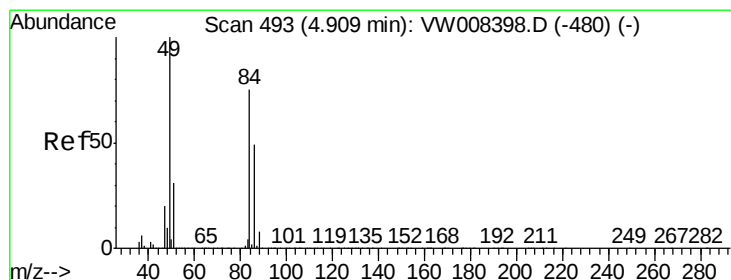
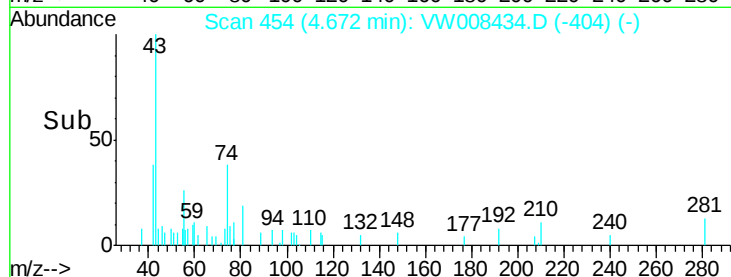
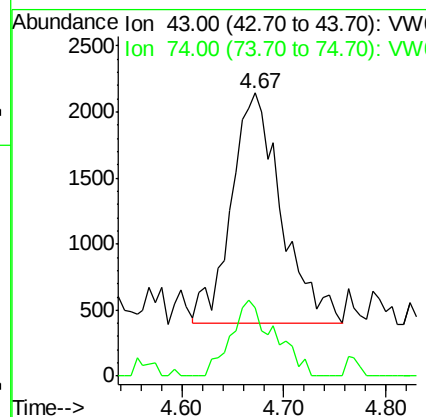
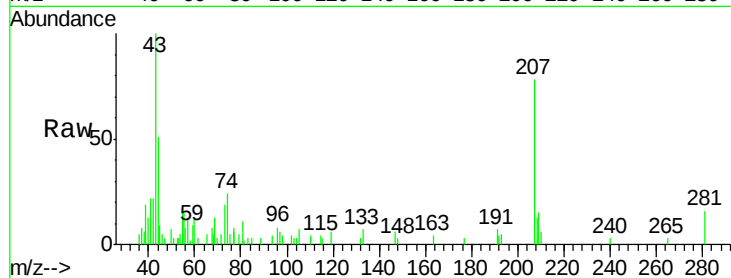




#18
Methyl Acetate
Concen: 2.331 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW008434.D
Acq: 28 Jan 2019 12:47

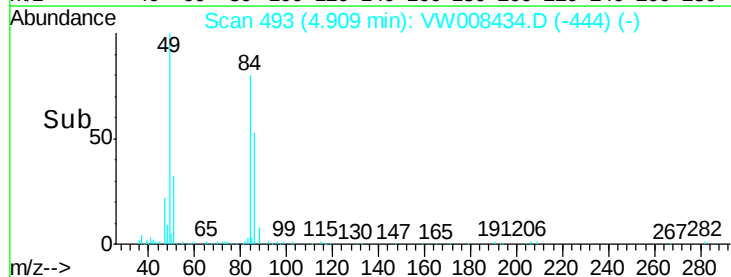
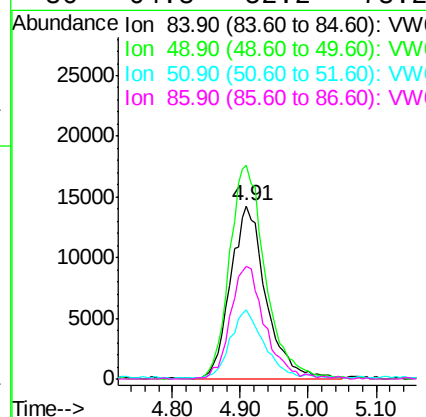
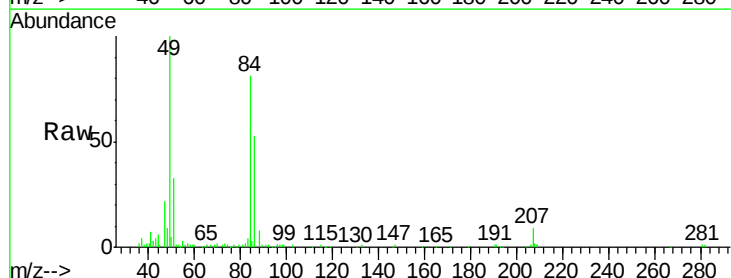
Instrument :
MSVOA_W
ClientSampleId :
EL-EAST-OF-JDHS

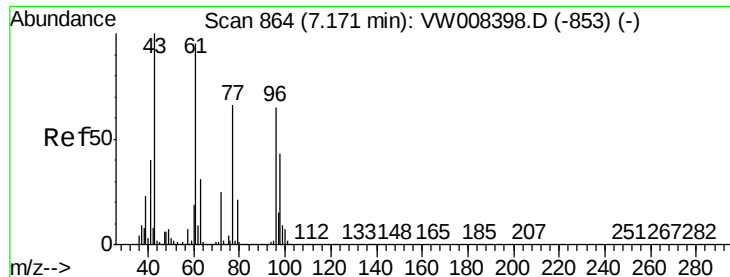
Tgt Ion: 43 Resp: 5944
Ion Ratio Lower Upper
43 100
74 28.8 17.5 26.3#



#20
Methylene Chloride
Concen: 11.744 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008434.D
Acq: 28 Jan 2019 12:47

Tgt Ion: 84 Resp: 51759
Ion Ratio Lower Upper
84 100
49 123.3 106.8 160.2
51 39.5 32.9 49.3
86 64.8 52.2 78.2





#25

2-Butanone

Concen: 1.956 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW008434.D

Acq: 28 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

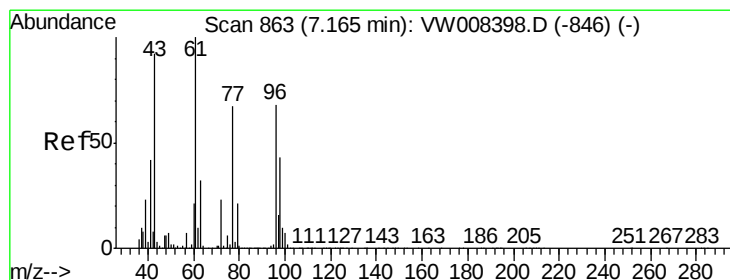
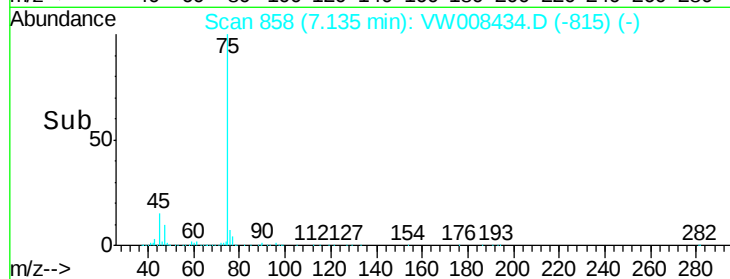
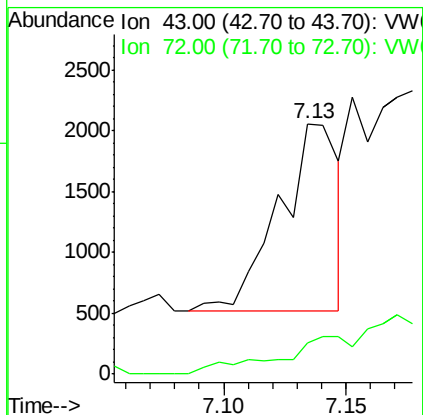
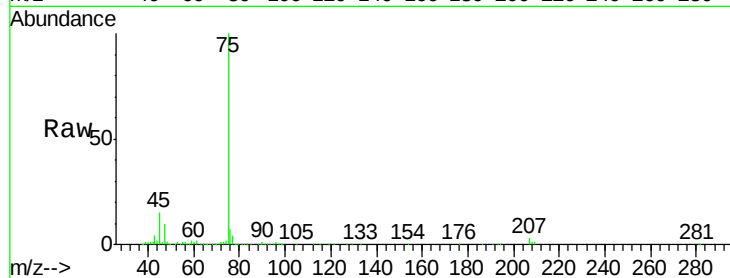
EL-EAST-OF-JDHS

Tgt Ion: 43 Resp: 2598

Ion Ratio Lower Upper

43 100

72 16.7 20.1 30.1#



#26

2,2-Dichloropropane

Concen: 1.158 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW008434.D

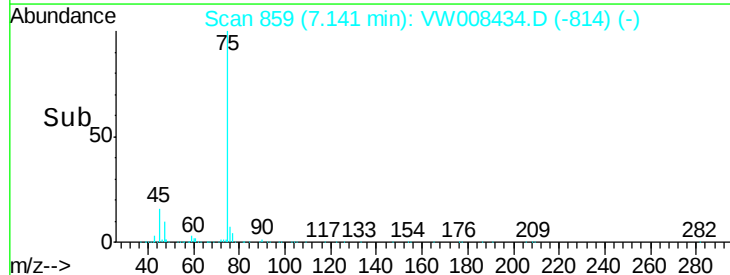
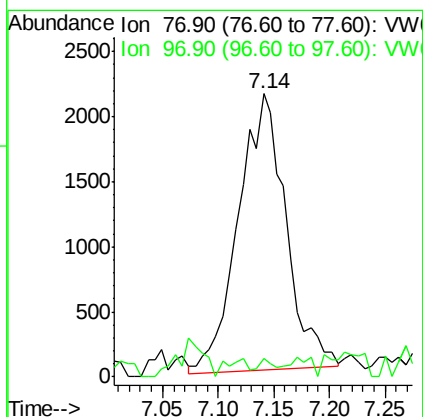
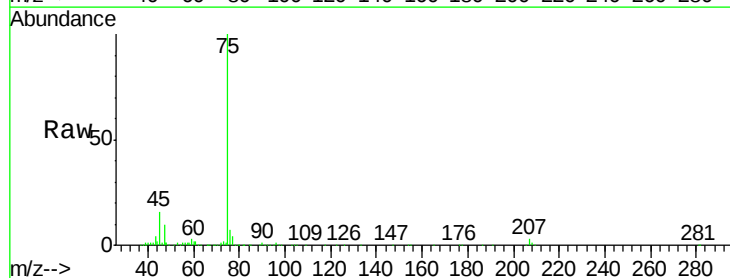
Acq: 28 Jan 2019 12:47

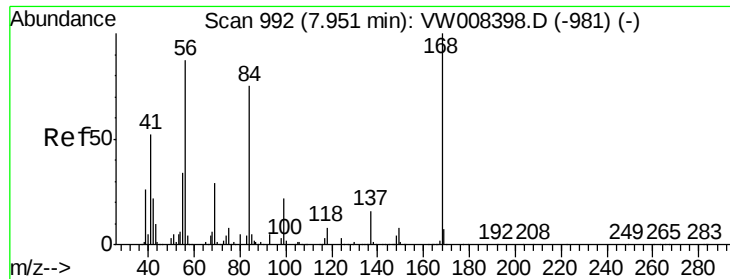
Tgt Ion: 77 Resp: 6324

Ion Ratio Lower Upper

77 100

97 1.1 11.5 34.5#

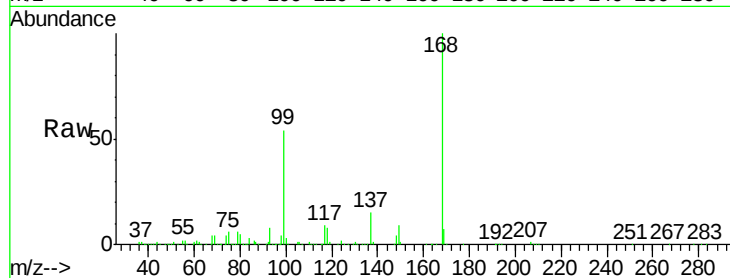




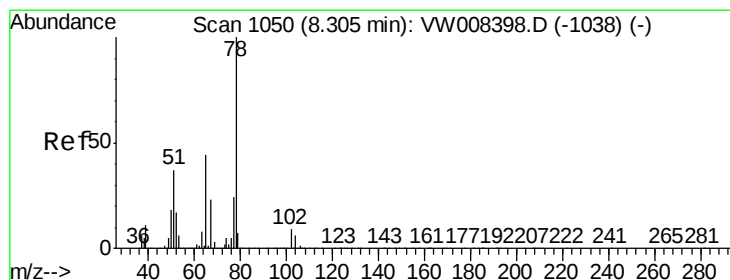
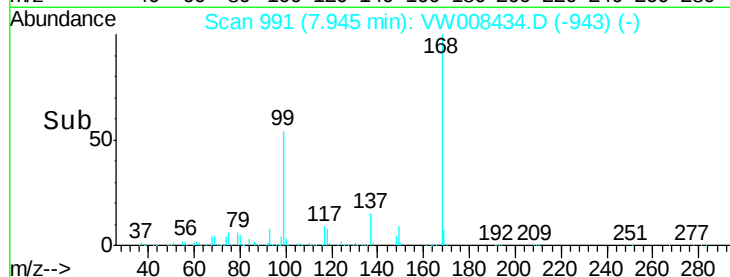
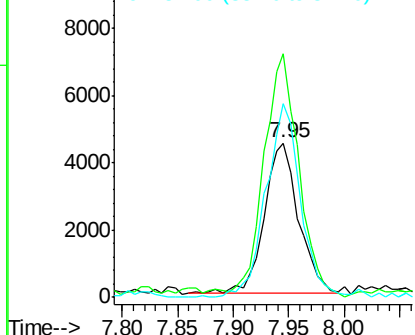
#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008434.D
Acq: 28 Jan 2019 12:47

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion: 56 Resp: 9605
Ion Ratio Lower Upper
56 100
69 159.2 26.4 39.6#
84 128.4 69.1 103.7#

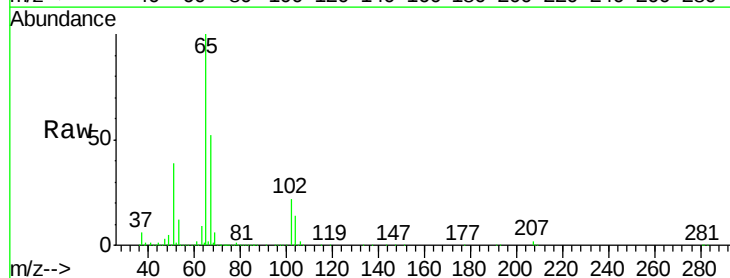


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

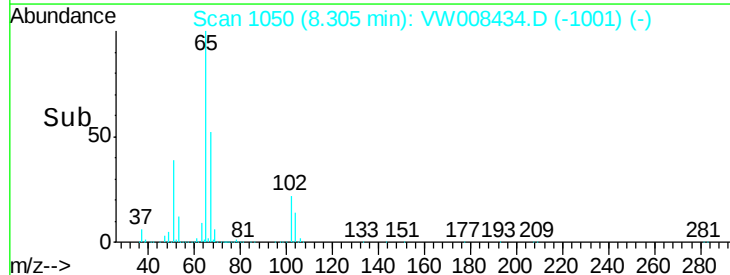
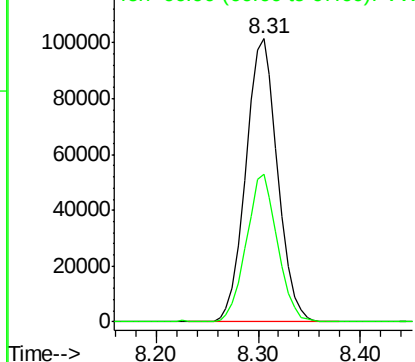


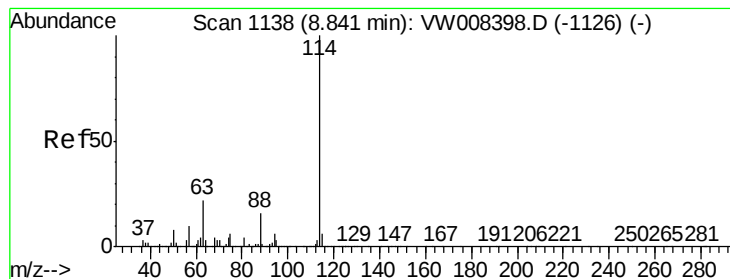
#33
1,2-Dichloroethane-d4
Concen: 51.567 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008434.D
Acq: 28 Jan 2019 12:47

Tgt Ion: 65 Resp: 219579
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.0



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008434.D

Acq: 28 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

EL-EAST-OF-JDHS

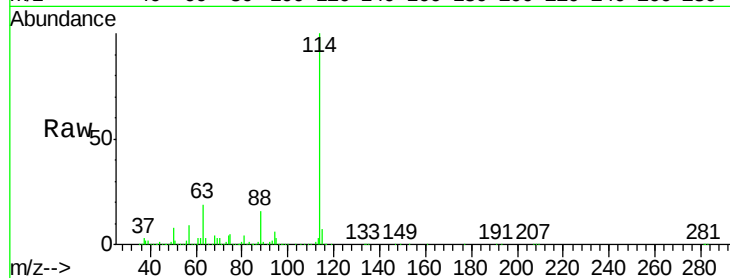
Tgt Ion:114 Resp: 695722

Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.6

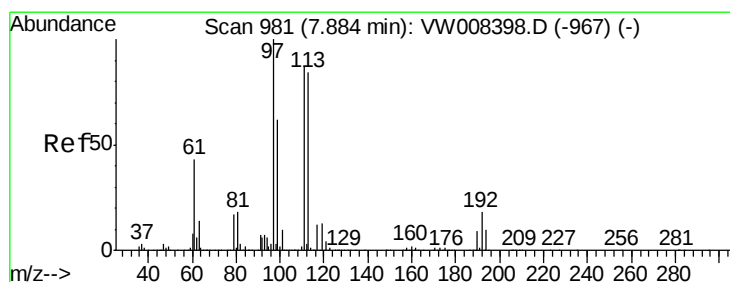
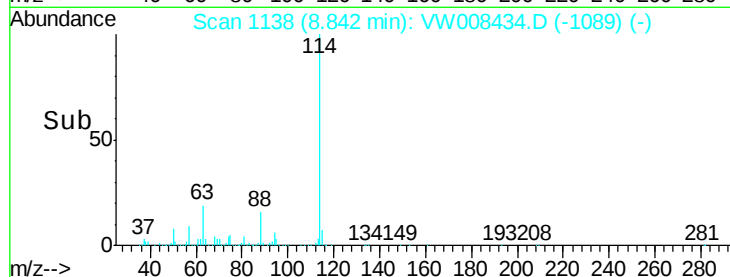
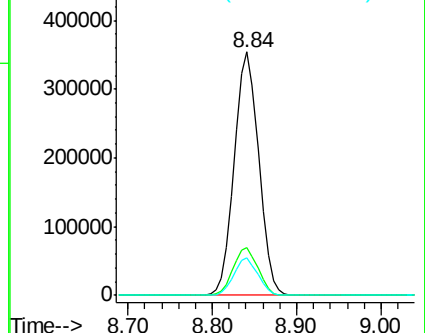
88 15.5 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 52.936 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008434.D

Acq: 28 Jan 2019 12:47

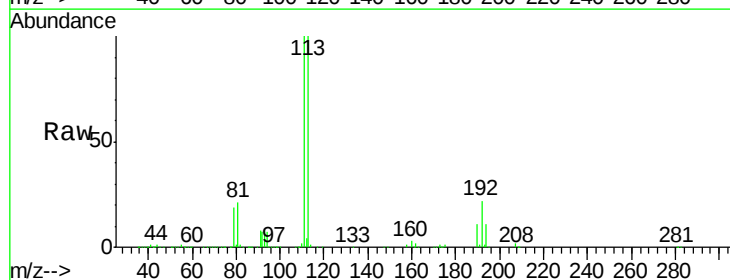
Tgt Ion:113 Resp: 215352

Ion Ratio Lower Upper

113 100

111 100.6 81.0 121.4

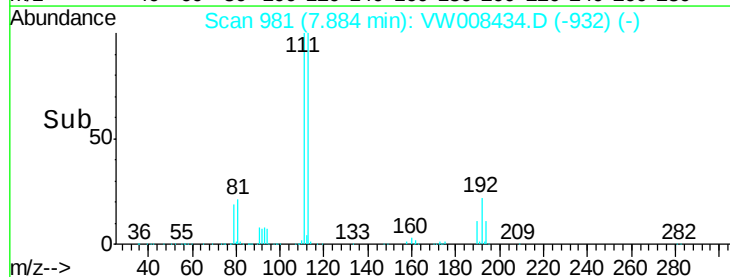
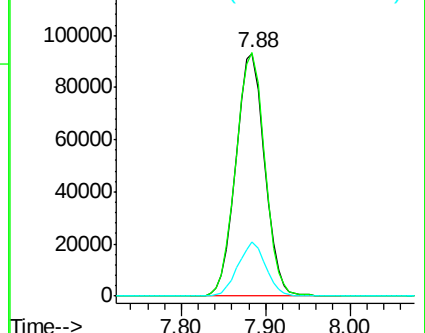
192 21.4 16.8 25.2

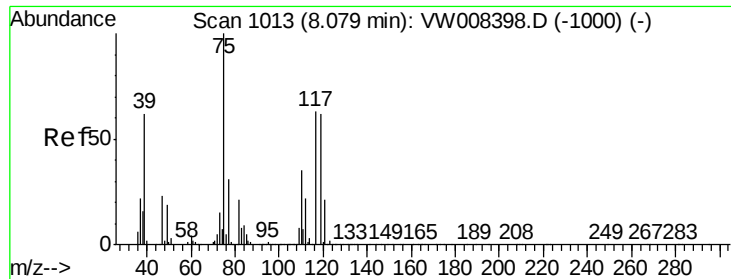


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

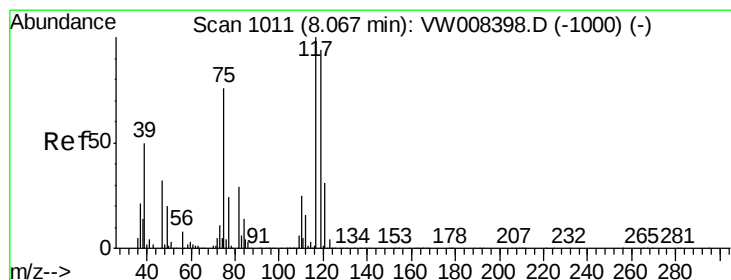
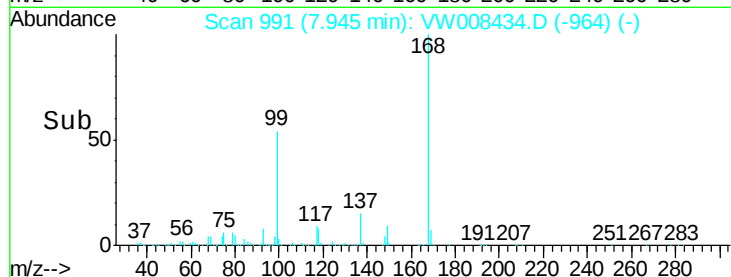
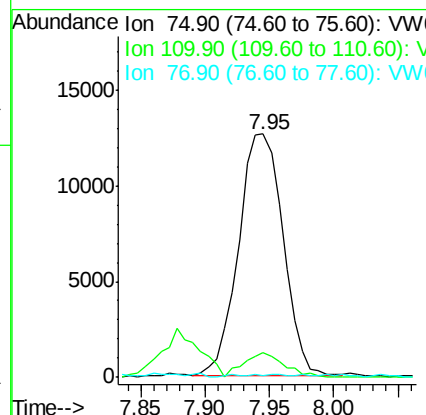
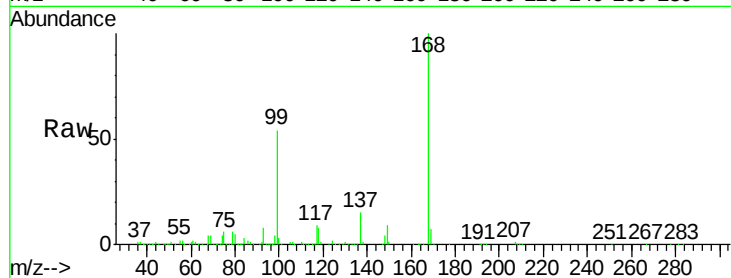




#36
 1,1-Dichloropropene
 Concen: 4.581 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008434.D
 Acq: 28 Jan 2019 12:47

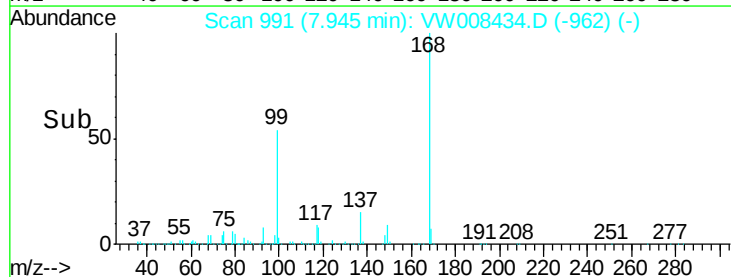
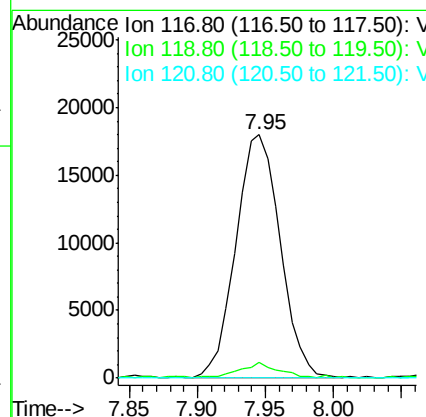
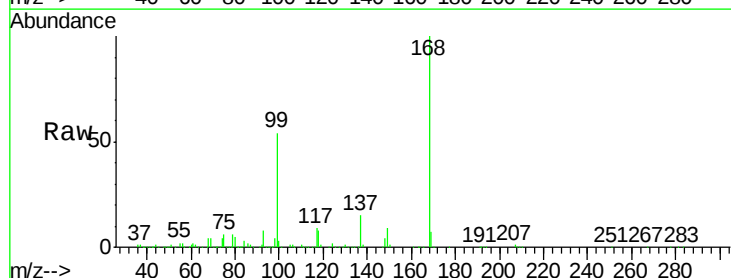
Instrument :
 MSVOA_W
 ClientSampleId :
 EL-EAST-OF-JDHS

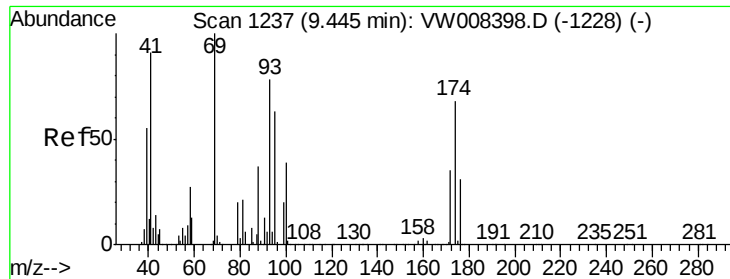
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.3	52.0#
77	0.4	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.203 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008434.D
 Acq: 28 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.0	112.4#
121	0.0	24.9	37.3#

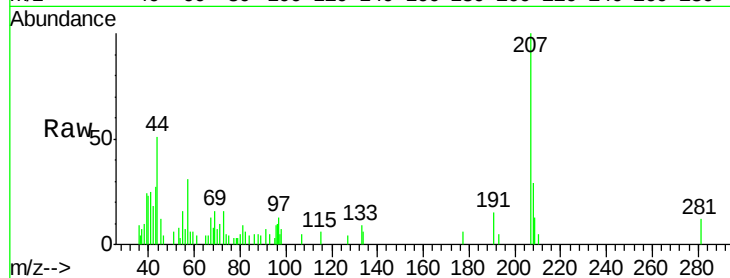




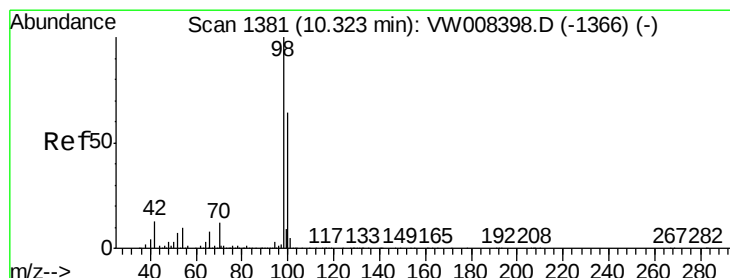
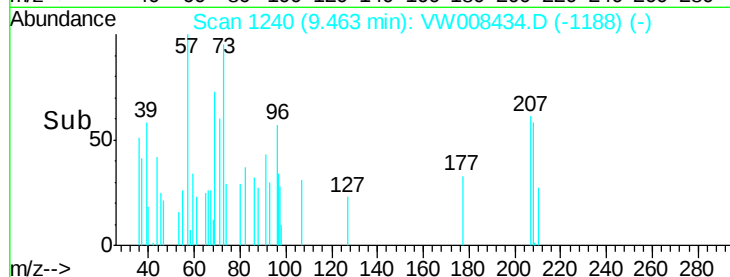
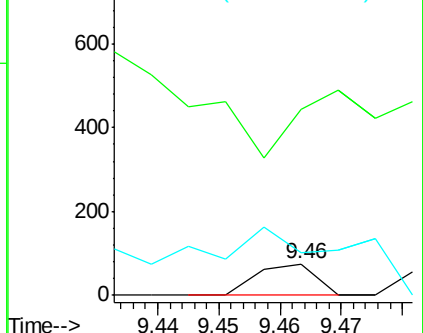
#49
1,4-Dioxane
Concen: 1.265 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW008434.D
Acq: 28 Jan 2019 12:47

Instrument :
MSVOA_W
ClientSampleId :
EL-EAST-OF-JDHS

Tgt Ion: 88 Resp: 50
Ion Ratio Lower Upper
88 100
43 682.0 29.0 43.4#
58 520.0 56.4 84.6#

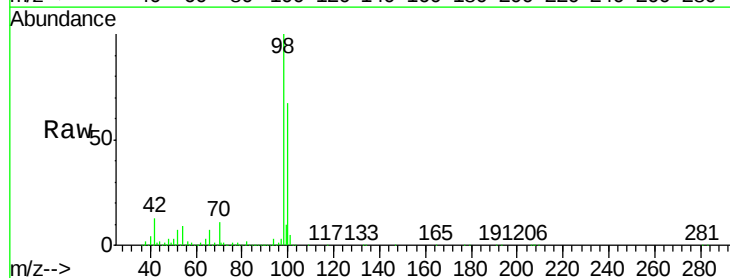


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

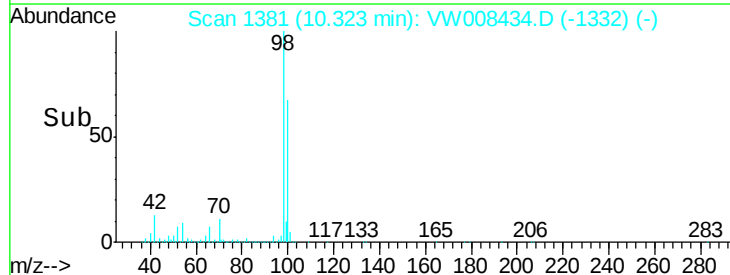
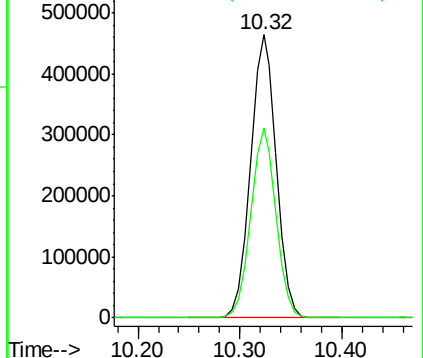


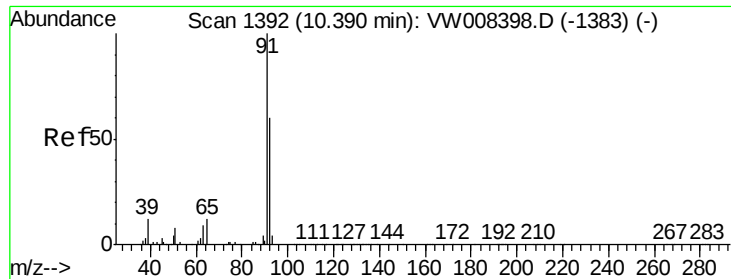
#50
Toluene-d8
Concen: 49.828 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008434.D
Acq: 28 Jan 2019 12:47

Tgt Ion: 98 Resp: 812858
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.888 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008434.D

Acq: 28 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

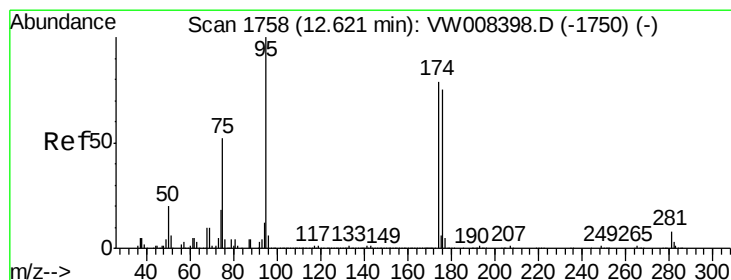
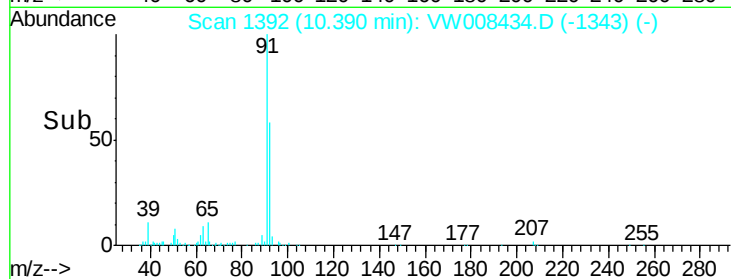
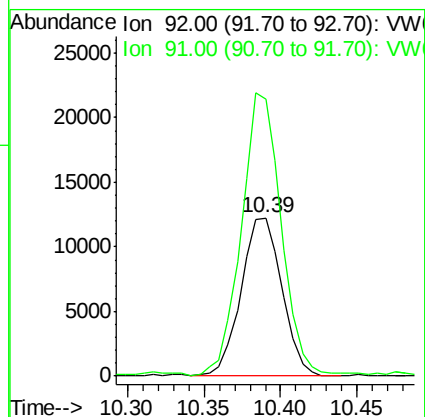
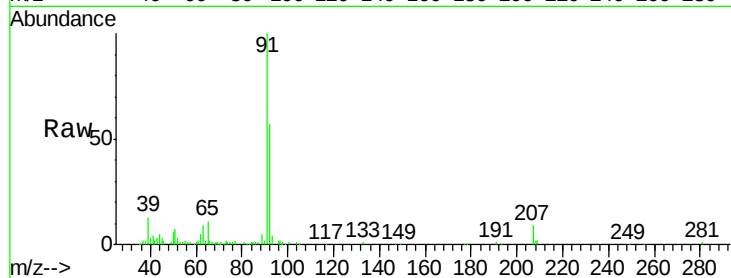
EL-EAST-OF-JDHS

Tgt Ion: 92 Resp: 22726

Ion Ratio Lower Upper

92 100

91 173.2 135.5 203.3



#62

4-Bromofluorobenzene

Concen: 42.415 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008434.D

Acq: 28 Jan 2019 12:47

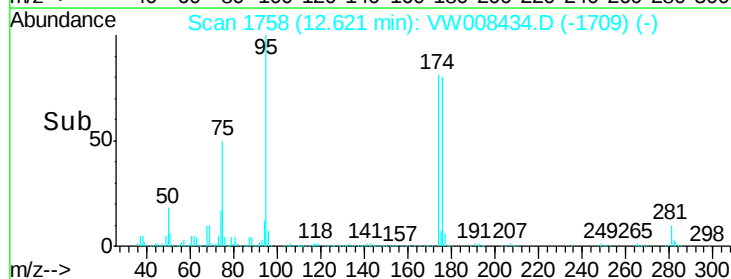
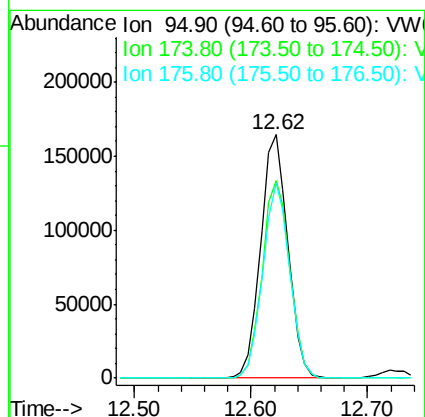
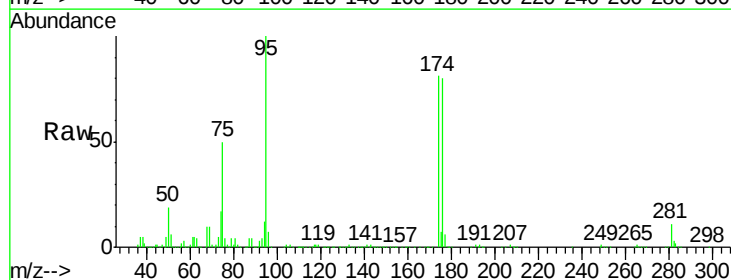
Tgt Ion: 95 Resp: 265965

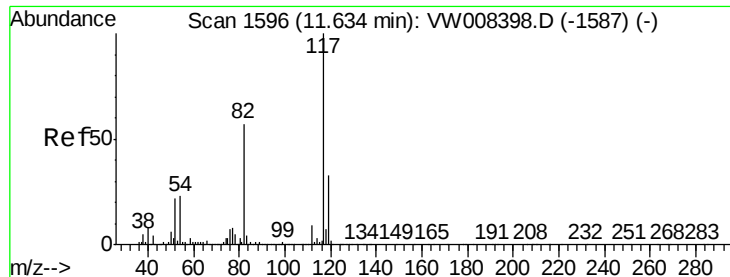
Ion Ratio Lower Upper

95 100

174 82.3 0.0 157.6

176 79.3 0.0 151.8

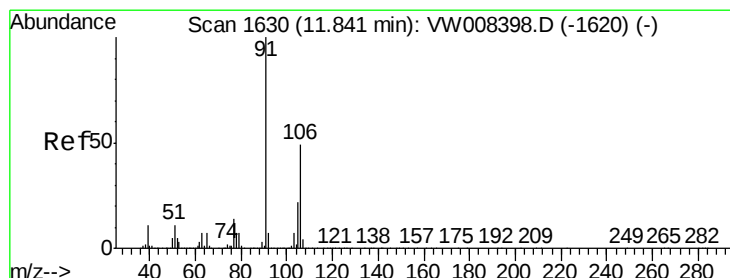
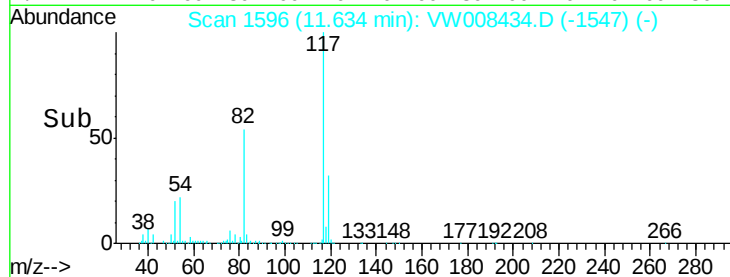
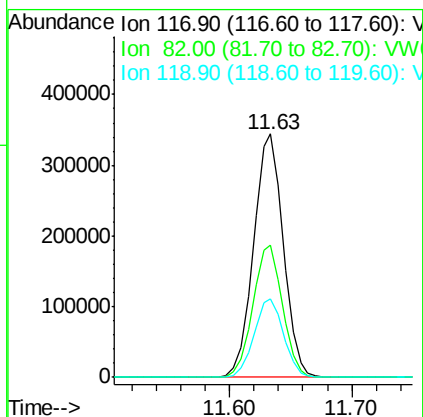
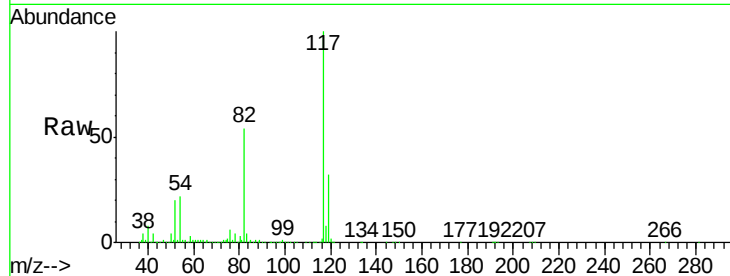




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008434.D
Acq: 28 Jan 2019 12:47

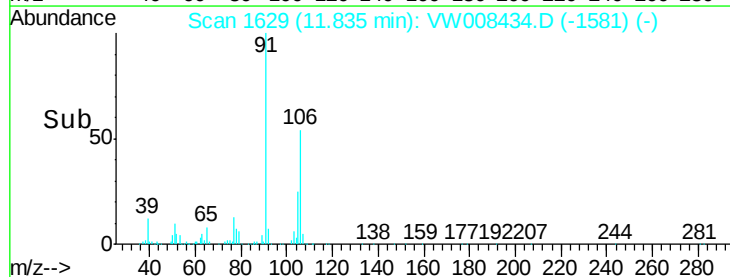
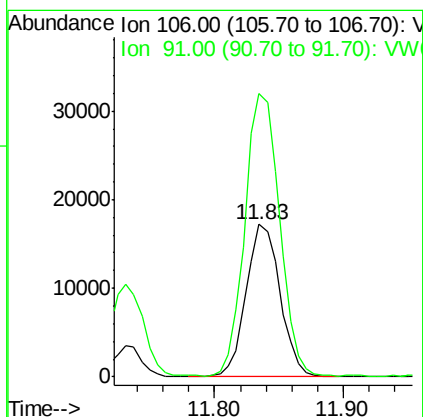
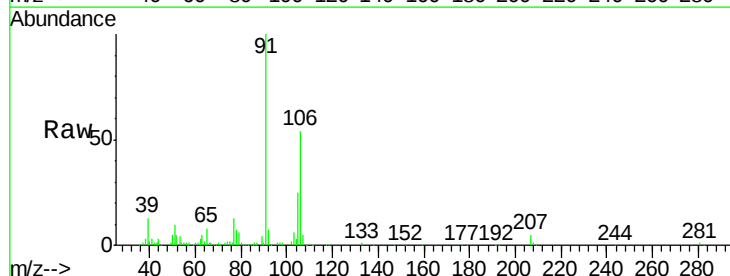
Instrument :
MSVOA_W
ClientSampleId :
EL-EAST-OF-JDHS

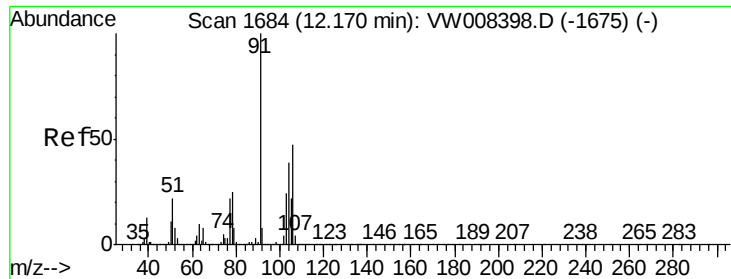
Tgt Ion:117 Resp: 581416
Ion Ratio Lower Upper
117 100
82 54.3 45.4 68.0
119 32.4 26.2 39.4



#68
m/p-Xylenes
Concen: 3.700 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008434.D
Acq: 28 Jan 2019 12:47

Tgt Ion:106 Resp: 31321
Ion Ratio Lower Upper
106 100
91 189.2 162.9 244.3

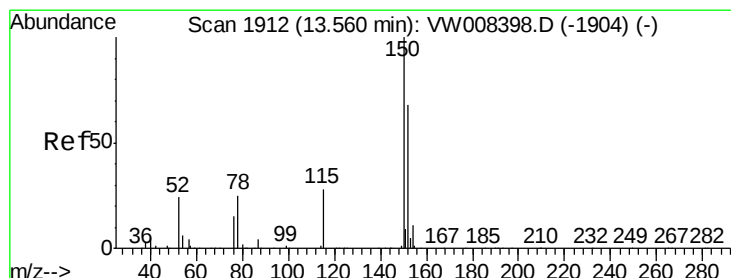
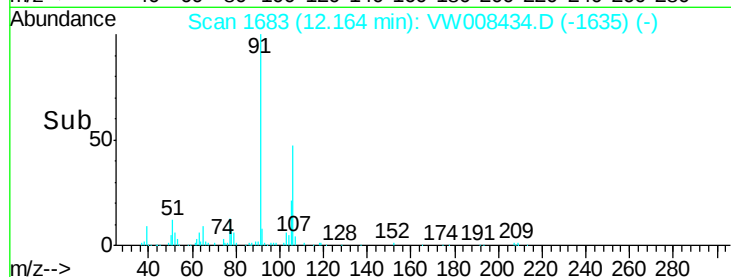
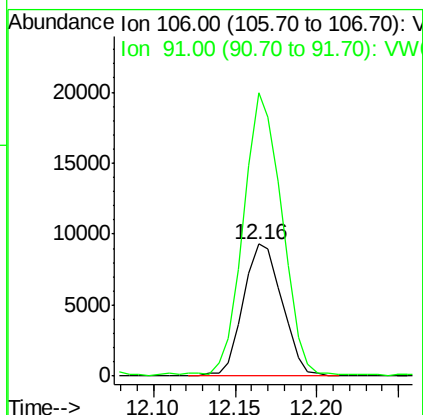
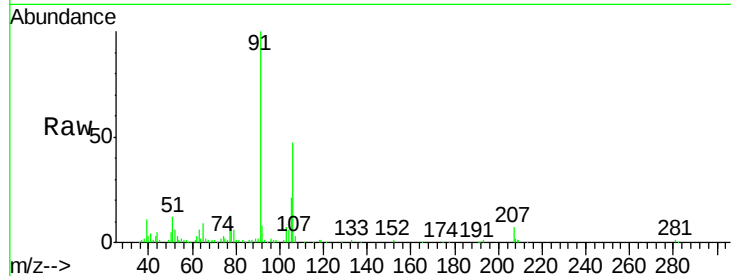




#69
o-Xylene
Concen: 1.918 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008434.D
Acq: 28 Jan 2019 12:47

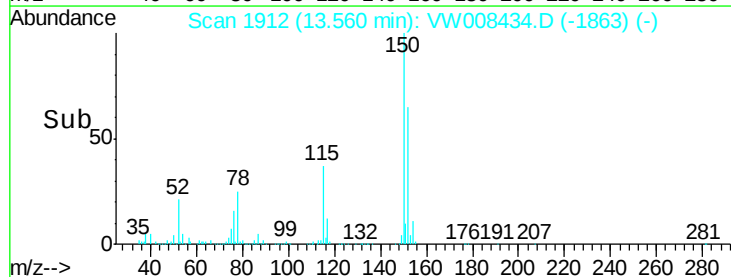
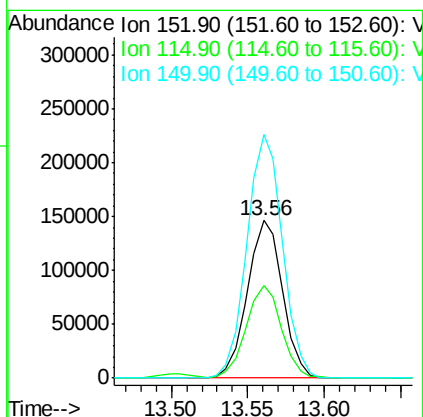
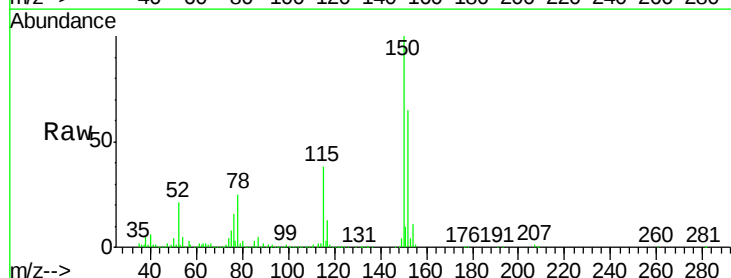
Instrument :
MSVOA_W
ClientSampleId :
EL-EAST-OF-JDHS

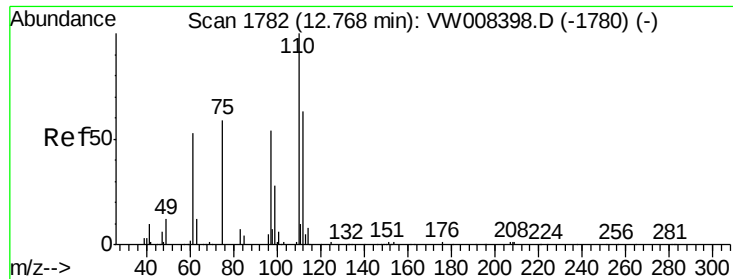
Tgt Ion:106 Resp: 15430
Ion Ratio Lower Upper
106 100
91 212.7 107.5 322.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008434.D
Acq: 28 Jan 2019 12:47

Tgt Ion:152 Resp: 234452
Ion Ratio Lower Upper
152 100
115 58.5 29.9 89.7
150 155.5 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 66.150 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008434.D

Acq: 28 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

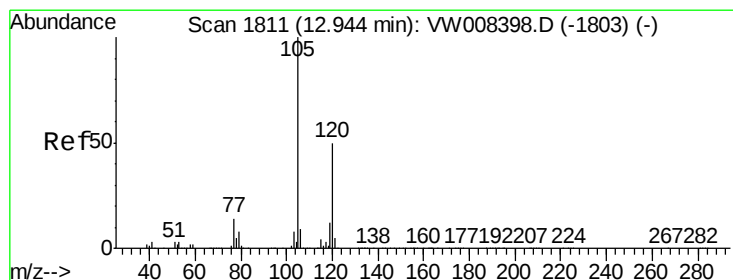
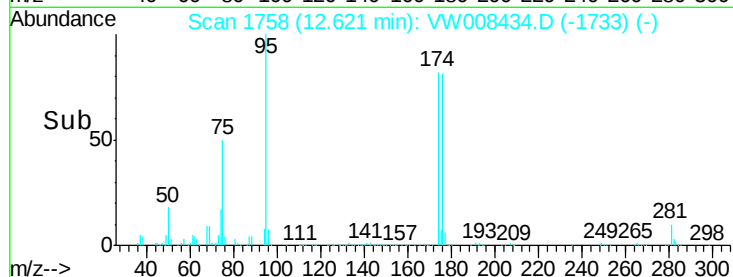
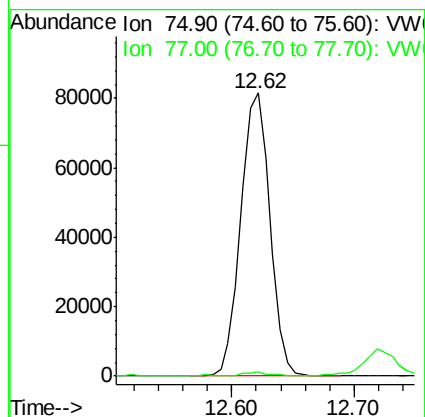
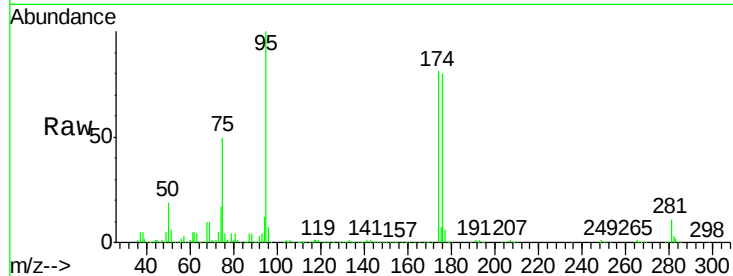
EL-EAST-OF-JDHS

Tgt Ion: 75 Resp: 134840

Ion Ratio Lower Upper

75 100

77 1.1 180.7 542.1#



#80

1,3,5-Trimethylbenzene

Concen: 1.028 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008434.D

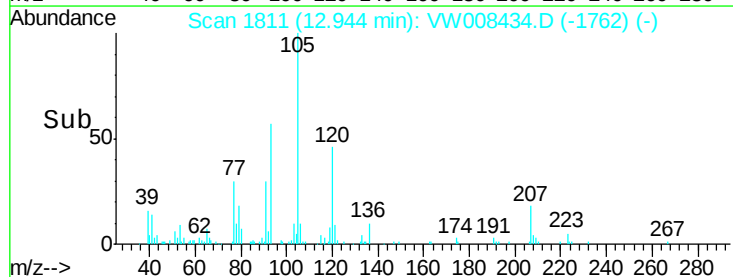
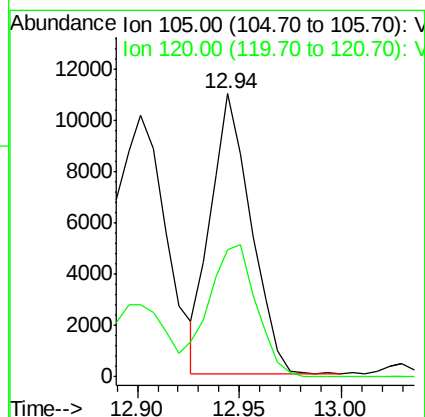
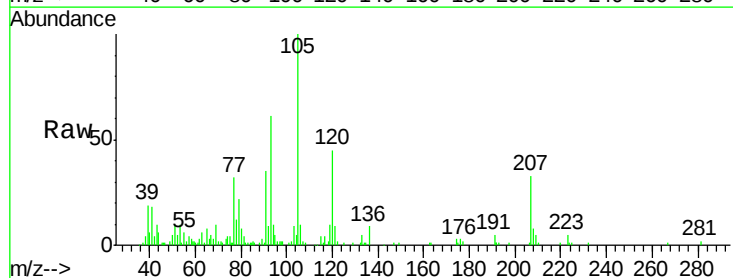
Acq: 28 Jan 2019 12:47

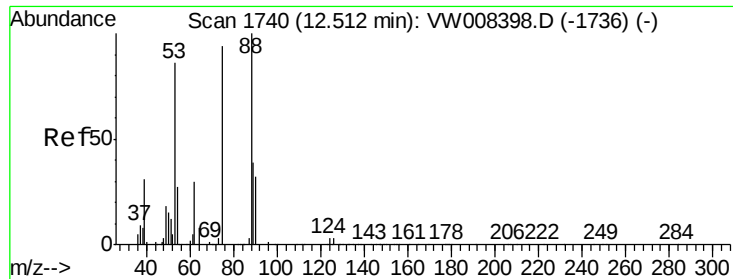
Tgt Ion: 105 Resp: 15014

Ion Ratio Lower Upper

105 100

120 56.7 24.6 73.8

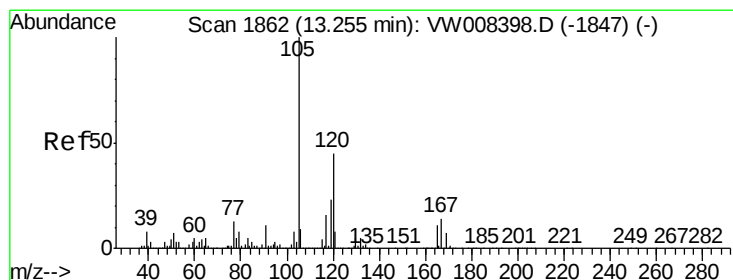
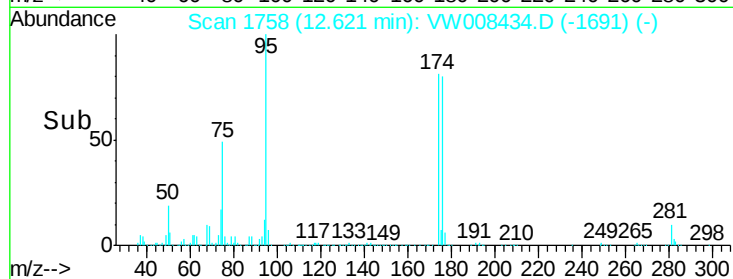
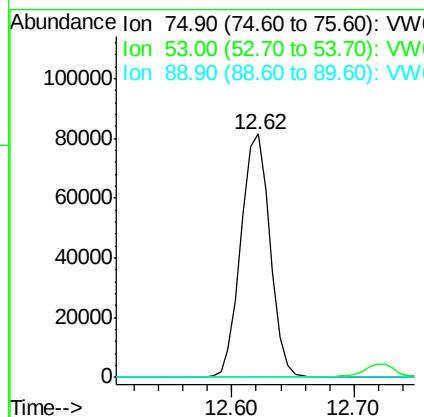
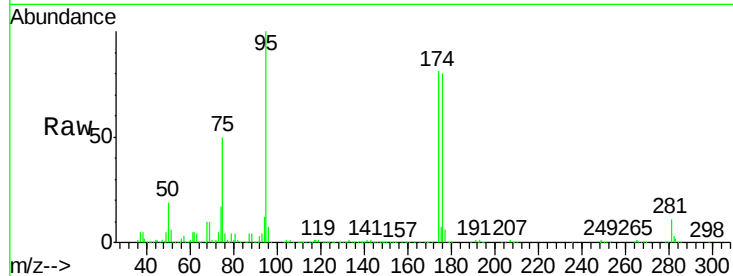




#81
trans-1,4-Dichloro-2-butene
Concen: 130.652 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW008434.D
Acq: 28 Jan 2019 12:47

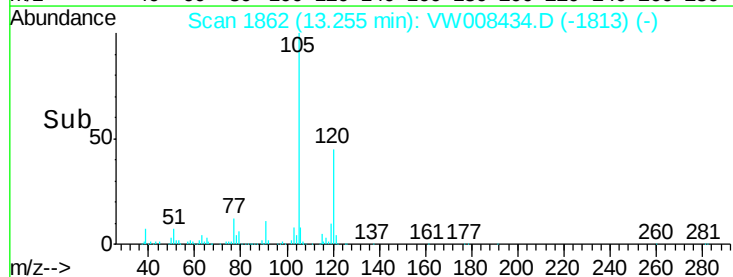
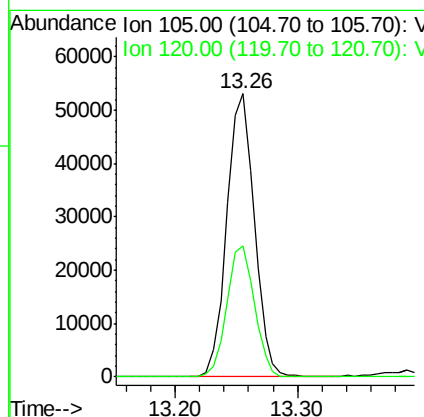
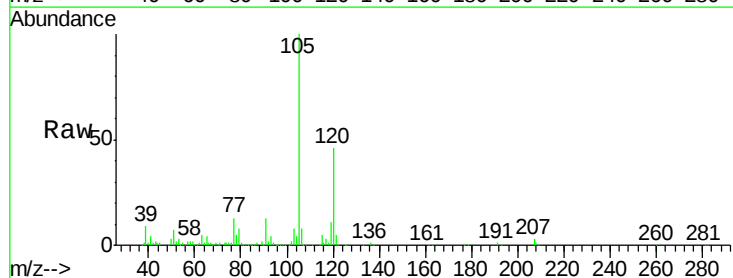
Instrument :
MSVOA_W
ClientSampleId :
EL-EAST-OF-JDHS

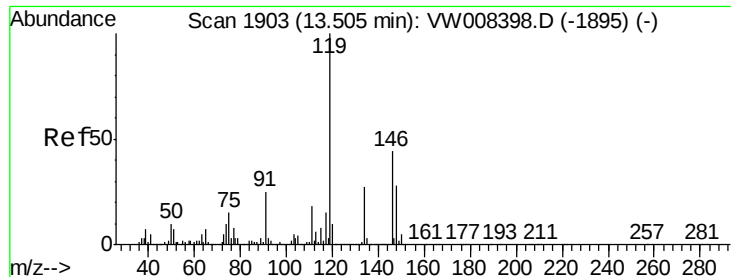
Tgt Ion: 75 Resp: 134840
Ion Ratio Lower Upper
75 100
53 0.0 76.0 114.0#
89 0.3 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 5.577 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008434.D
Acq: 28 Jan 2019 12:47

Tgt Ion: 105 Resp: 82816
Ion Ratio Lower Upper
105 100
120 46.3 23.1 69.2

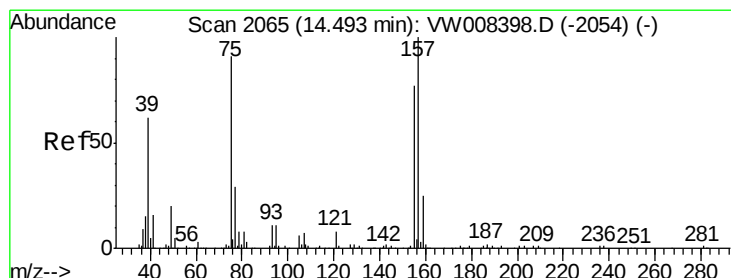
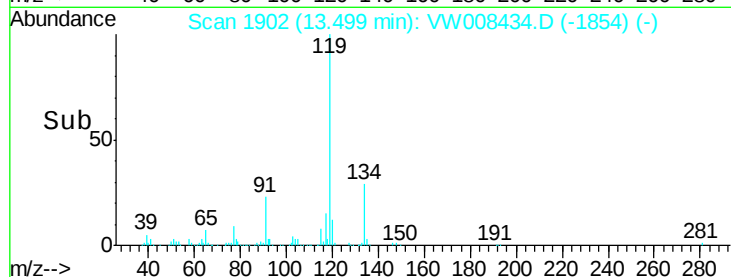
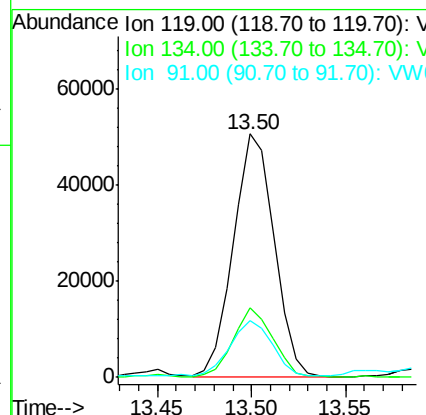
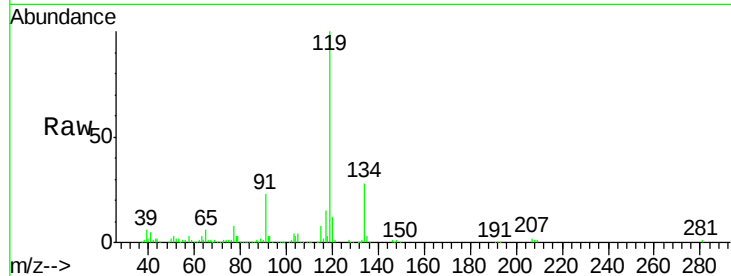




#86
 p-Isopropyltoluene
 Concen: 4.672 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008434.D
 Acq: 28 Jan 2019 12:47

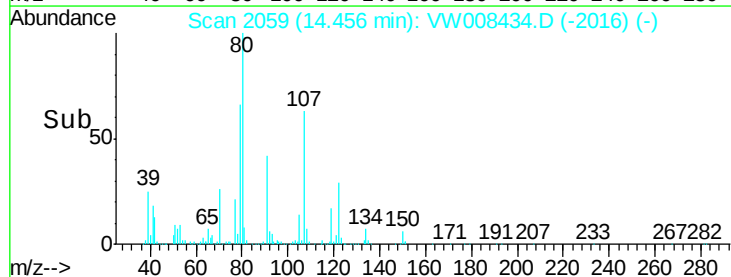
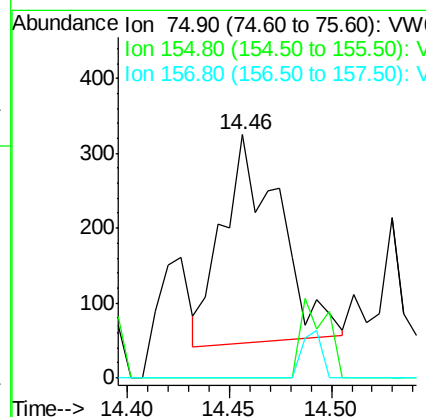
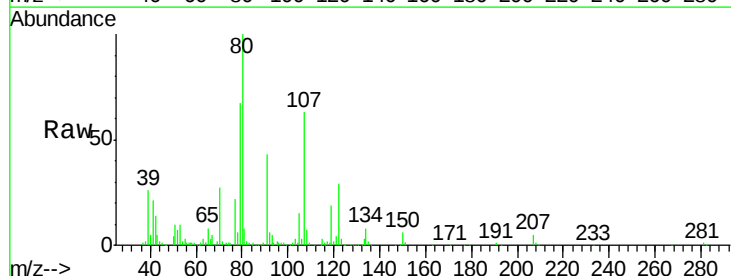
Instrument :
 MSVOA_W
 ClientSampleId :
 EL-EAST-OF-JDHS

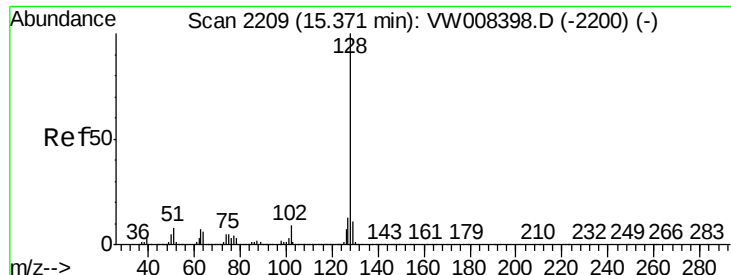
Tgt Ion: 119 Resp: 75981
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.4 40.2
 91 23.3 12.6 37.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.015 ug/l
 RT: 14.46 min Scan# 2059
 Delta R.T. -0.04 min
 Lab File: VW008434.D
 Acq: 28 Jan 2019 12:47

Tgt Ion: 75 Resp: 533
 Ion Ratio Lower Upper
 75 100
 155 0.0 42.7 128.1#
 157 0.0 55.5 166.3#





#95

Naphthalene

Concen: 1.838 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008434.D

Acq: 28 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

EL-EAST-OF-JDHS

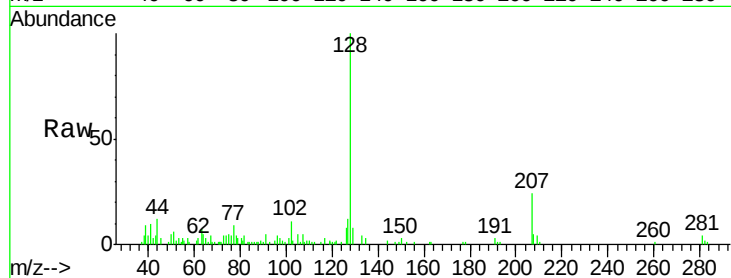
Tgt Ion:128 Resp: 15708

Ion Ratio Lower Upper

128 100

127 14.6 10.6 15.8

129 13.5 8.7 13.1#



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

