

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
 Data File : VW022513.D
 Acq On : 12 Apr 2022 17:34
 Operator : SY/VA
 Sample : N2316-21
 Misc : 7.11g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETNR9

Quant Time: Apr 12 23:34:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Apr 12 23:30:19 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	429210	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	452699	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	221400	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	123304	12.995	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.000%
7) Chloroethane-d5	2.885	69	91639	15.410	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.640%
11) 1,1-Dichloroethene-d2	4.019	63	128820	10.467	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	41.880%#
21) 2-Butanone-d5	7.080	46	80093	48.349	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.700%
24) Chloroform-d	7.646	84	241430	17.996	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	72.000%
26) 1,2-Dichloroethane-d4	8.305	65	141492	18.459	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	73.840%
32) Benzene-d6	8.274	84	436516	15.783	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	63.120%
36) 1,2-Dichloropropane-d6	9.274	67	140526	17.557	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	70.240%
41) Toluene-d8	10.323	98	417086	15.397	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	61.600%
43) trans-1,3-Dichloroprop...	10.579	79	57658	15.264	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	61.040%
47) 2-Hexanone-d5	10.926	63	92984	62.441	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.880%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	149890	22.024	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.080%
66) 1,2-Dichlorobenzene-d4	13.853	152	158384	20.197	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.800%
Target Compounds						Qvalue
13) Acetone	4.123	43	9212	8.167	ug/L	98
29) Cyclohexane	7.951	56	10140	0.783	ug/L	96
33) Benzene	8.323	78	1408394	45.823	ug/L	100
34) Trichloroethene	9.091	95	4463	0.542	ug/L	95
35) Methylcyclohexane	9.335	83	14609	0.989	ug/L	97
42) Toluene	10.384	91	276051	7.838	ug/L	94
51) Chlorobenzene	11.658	112	1625543	75.529	ug/L	96
52) Ethylbenzene	11.731	91	43082	1.091	ug/L	95
53) m,p-Xylene	11.835	106	39305	2.619	ug/L	87
54) o-Xylene	12.164	106	21258	1.482	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.713	83	113470	16.451	ug/L	# 26
61) 1,2,3-Trichloropropane	12.743	75	168076	35.688	ug/L	# 1
62) 1,3,5-Trimethylbenzene	12.944	105	43369	2.144	ug/L	95
63) 1,2,4-Trimethylbenzene	13.249	105	96766	3.146	ug/L	94
65) 1,4-Dichlorobenzene	13.578	146	21182	1.423	ug/L	98
67) 1,2-Dichlorobenzene	13.865	146	128709	9.642	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.468	75	6439619	5895.564	ug/L	# 13
71) Naphthalene	15.359	128	28419	1.647	ug/L	# 94

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Apr 12 23:30:19 2022
Response via : Initial Calibration

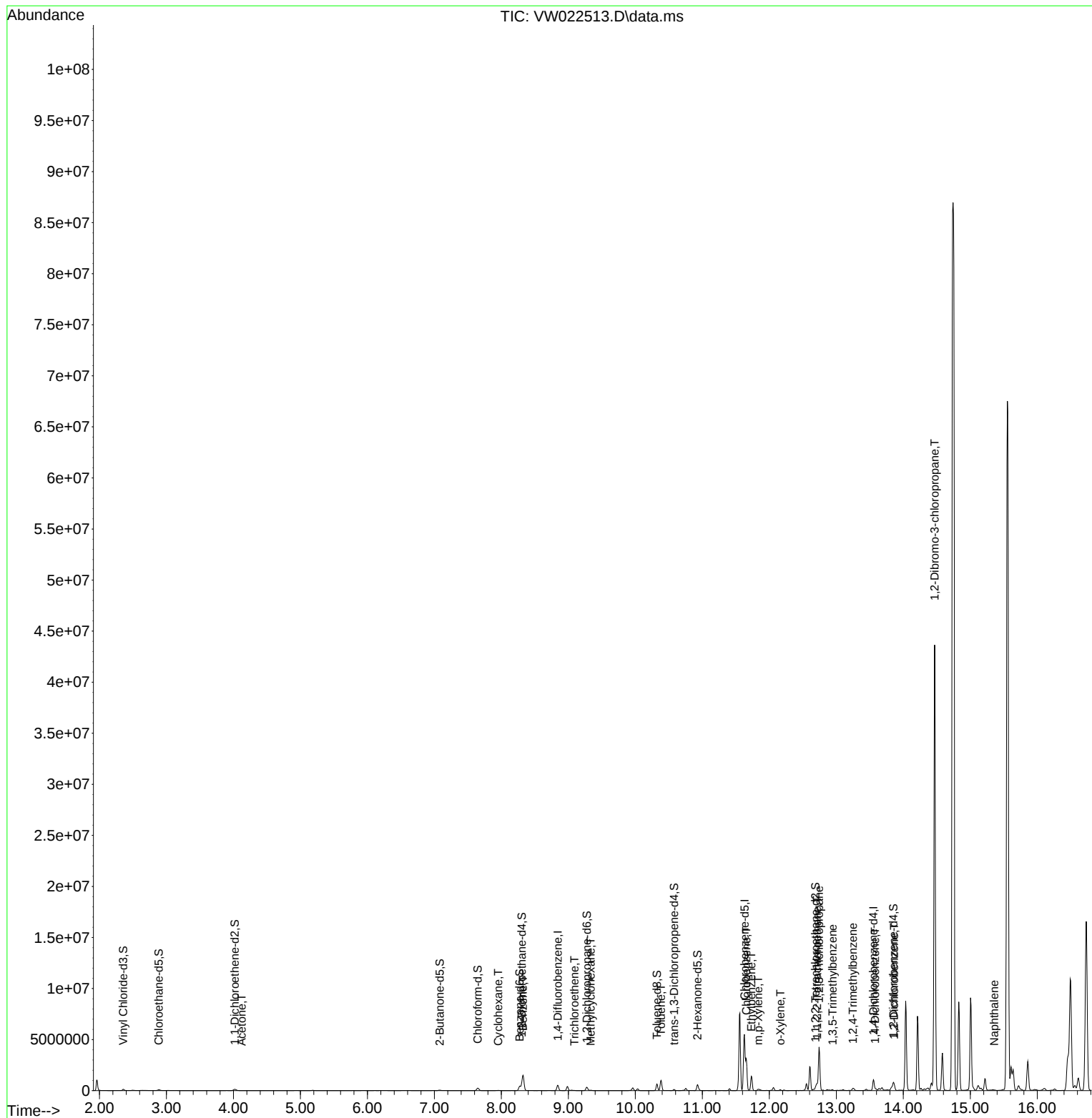
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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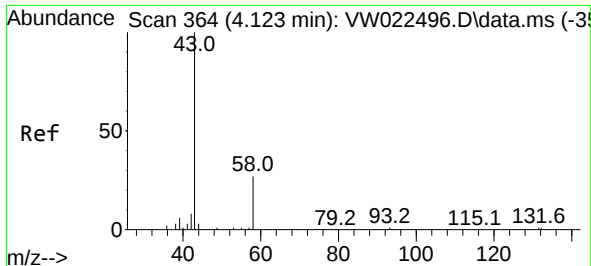
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Apr 12 23:30:19 2022
Response via : Initial Calibration





#13

Acetone

Concen: 8.167 ug/L

RT: 4.123 min Scan# 364

Delta R.T. -0.000 min

Lab File: VW022513.D

Acq: 12 Apr 2022 17:34

Instrument :

MSVOA_W

ClientSampleId :

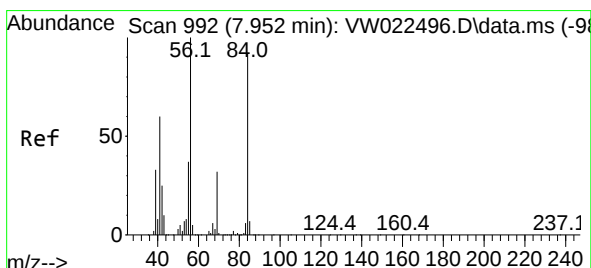
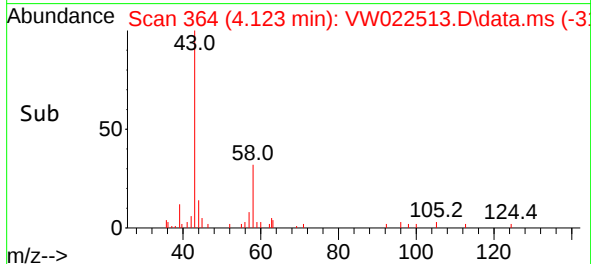
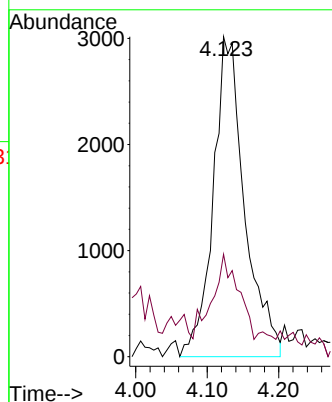
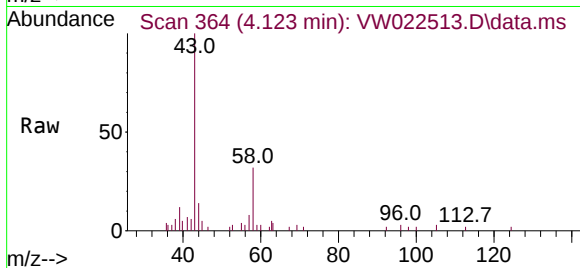
ETNR9

Tgt Ion: 43 Resp: 9212

Ion Ratio Lower Upper

43 100

58 27.6 0.0 57.0



#29

Cyclohexane

Concen: 0.783 ug/L

RT: 7.951 min Scan# 992

Delta R.T. -0.000 min

Lab File: VW022513.D

Acq: 12 Apr 2022 17:34

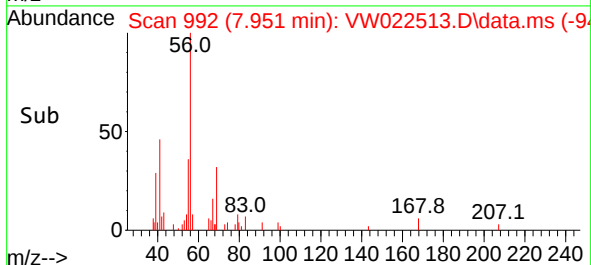
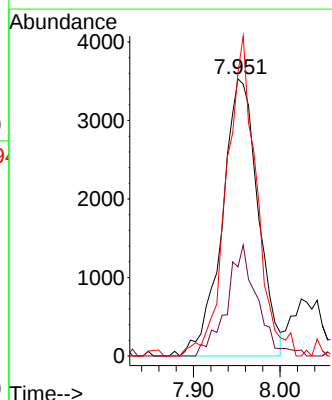
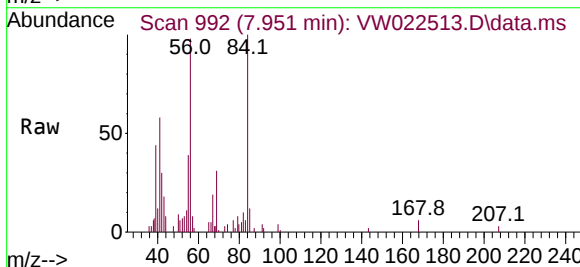
Tgt Ion: 56 Resp: 10140

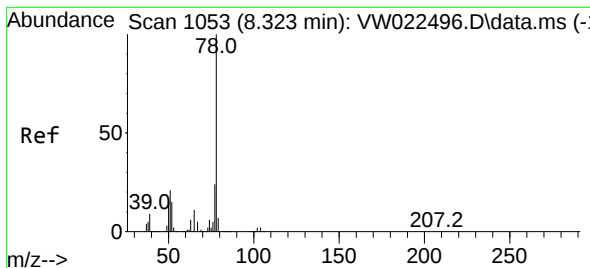
Ion Ratio Lower Upper

56 100

69 33.1 24.4 36.6

84 93.9 72.6 108.8





#33

Benzene

Concen: 45.823 ug/L

RT: 8.323 min Scan# 1053

Delta R.T. -0.000 min

Lab File: VW022513.D

Acq: 12 Apr 2022 17:34

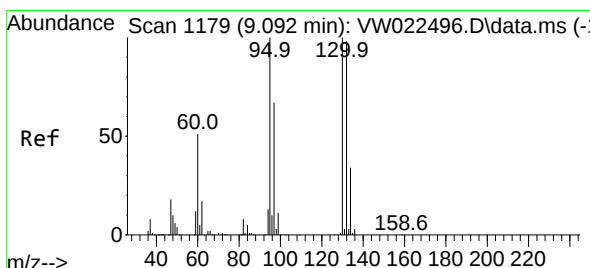
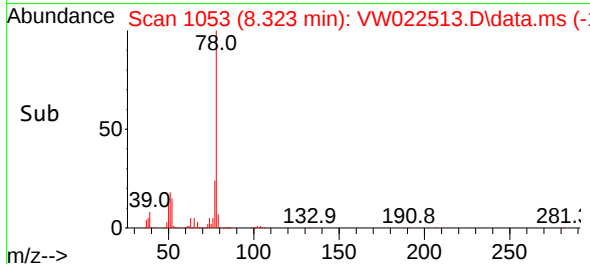
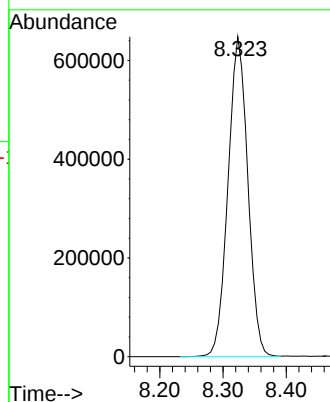
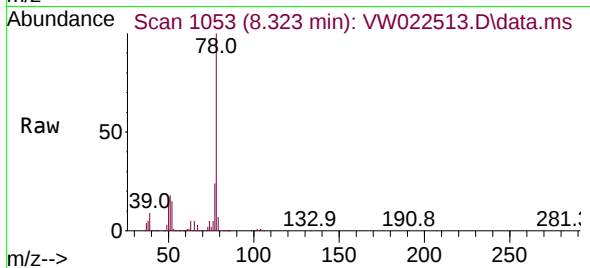
Instrument :

MSVOA_W

ClientSampleId :

ETNR9

Tgt Ion: 78 Resp: 1408394



#34

Trichloroethene

Concen: 0.542 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW022513.D

Acq: 12 Apr 2022 17:34

Tgt Ion: 95 Resp: 4463

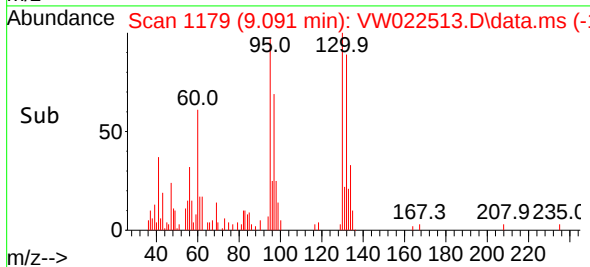
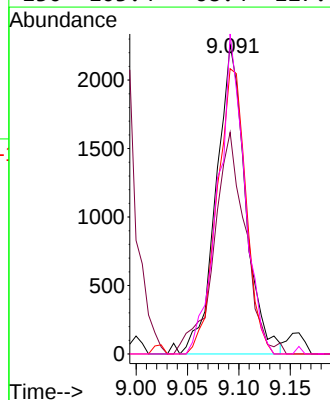
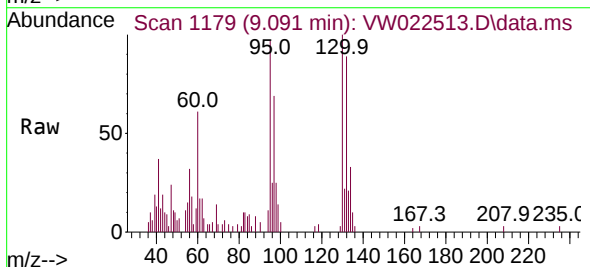
Ion Ratio Lower Upper

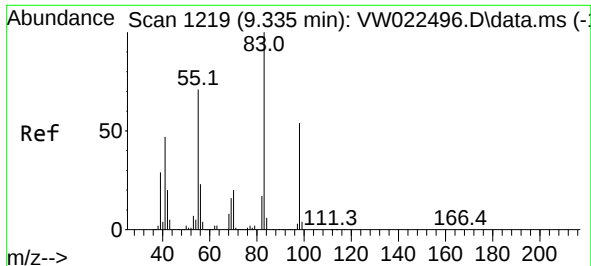
95 100

97 71.6 46.4 86.2

132 92.2 67.4 125.2

130 103.4 68.4 127.0





#35

Methylcyclohexane

Concen: 0.989 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW022513.D

Acq: 12 Apr 2022 17:34

Instrument :

MSVOA_W

ClientSampleId :

ETNR9

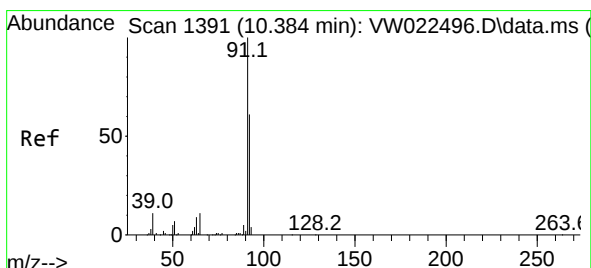
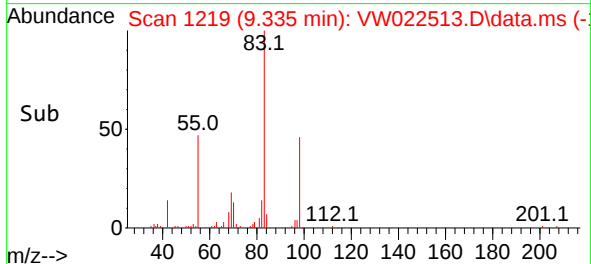
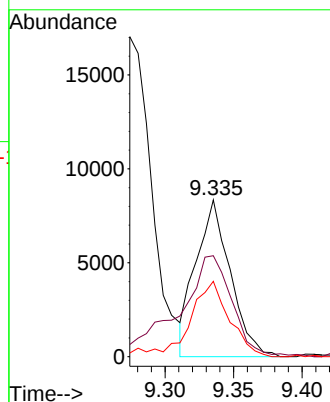
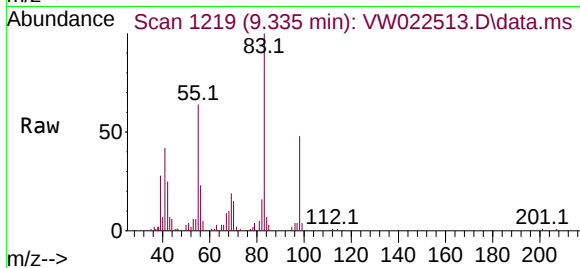
Tgt Ion: 83 Resp: 14609

Ion Ratio Lower Upper

83 100

55 74.9 61.0 91.6

98 51.8 39.2 58.8



#42

Toluene

Concen: 7.838 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VW022513.D

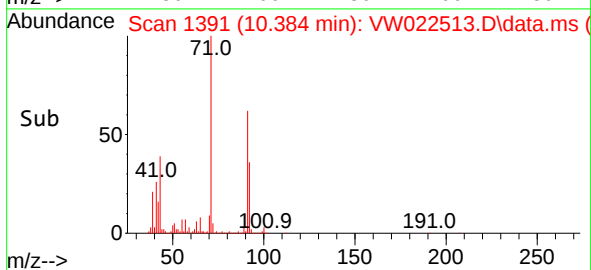
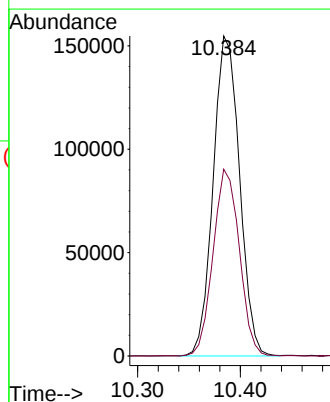
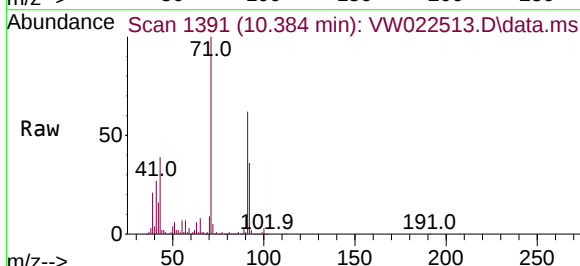
Acq: 12 Apr 2022 17:34

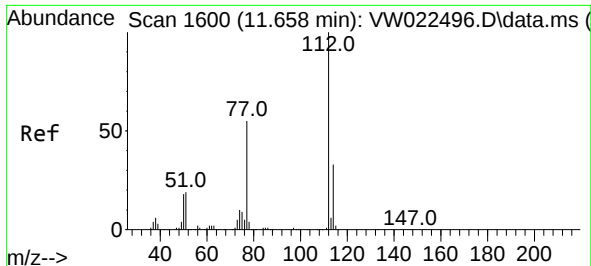
Tgt Ion: 91 Resp: 276051

Ion Ratio Lower Upper

91 100

92 58.4 38.0 70.6

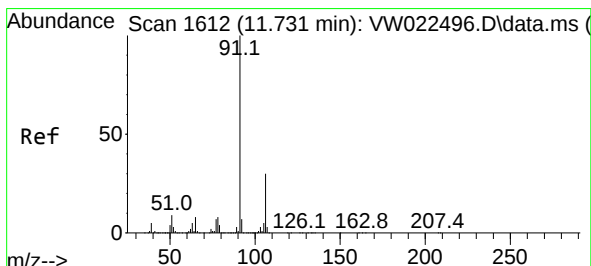
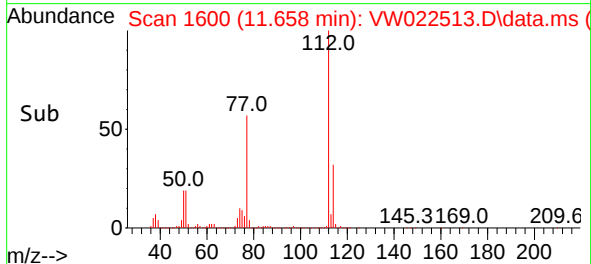
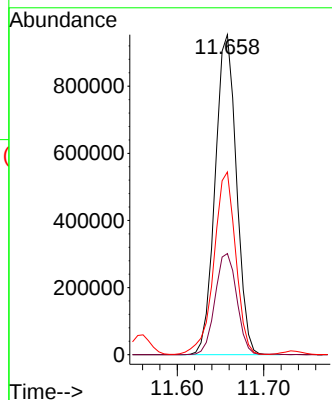
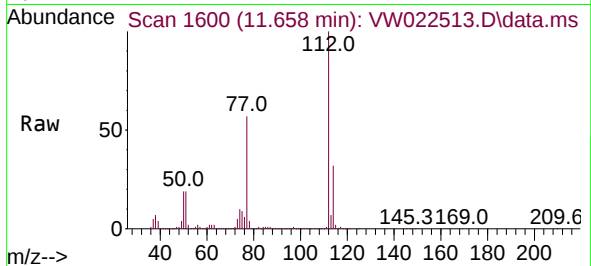




#51
Chlorobenzene
Concen: 75.529 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VW022513.D
Acq: 12 Apr 2022 17:34

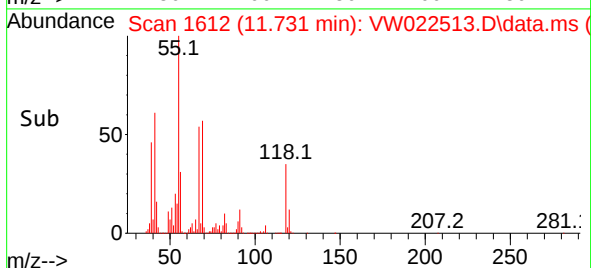
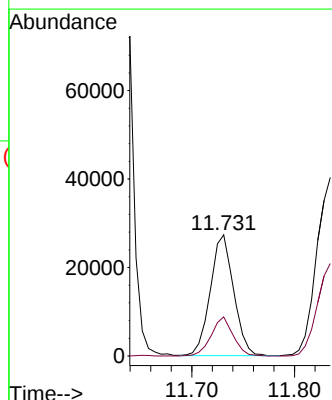
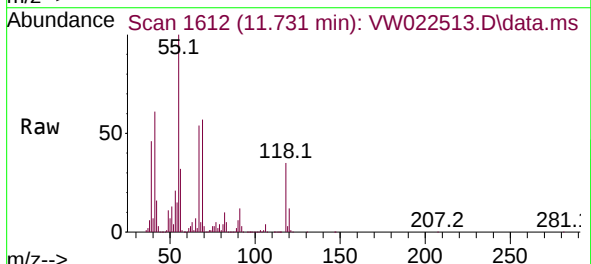
Instrument :
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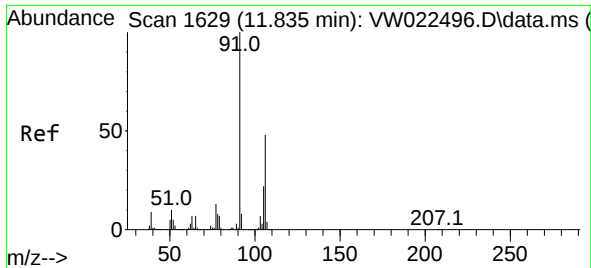
Tgt Ion:112 Resp: 1625543
Ion Ratio Lower Upper
112 100
114 31.6 20.5 38.1
77 57.1 48.1 72.1



#52
Ethylbenzene
Concen: 1.091 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW022513.D
Acq: 12 Apr 2022 17:34

Tgt Ion: 91 Resp: 43082
Ion Ratio Lower Upper
91 100
106 32.2 20.5 38.1

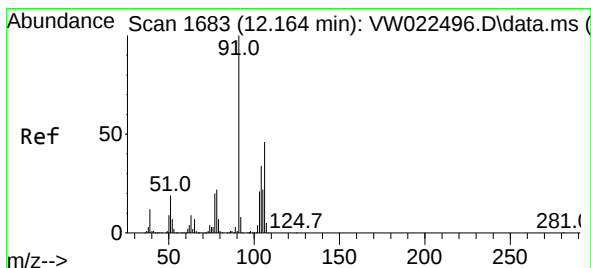
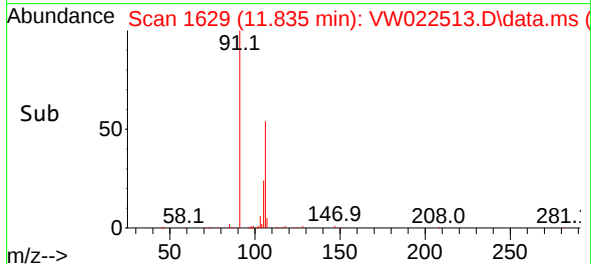
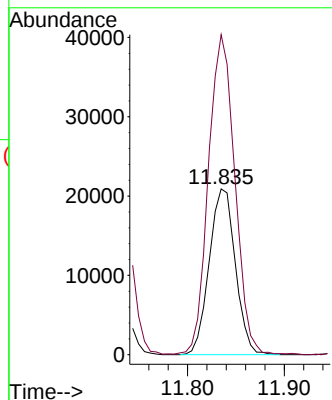
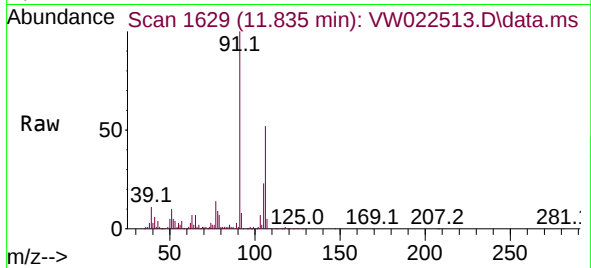




#53
m,p-Xylene
Concen: 2.619 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW022513.D
Acq: 12 Apr 2022 17:34

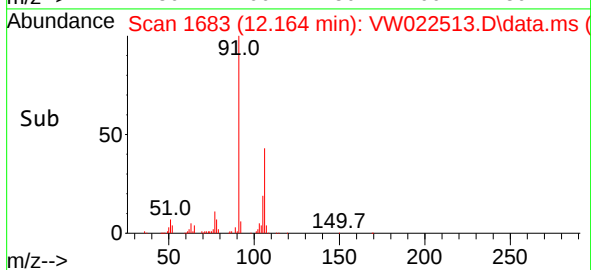
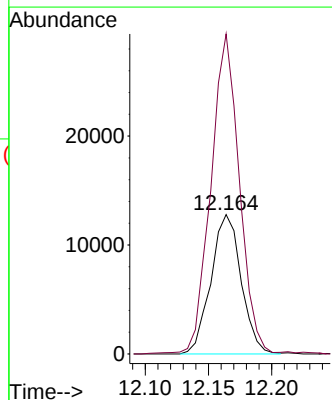
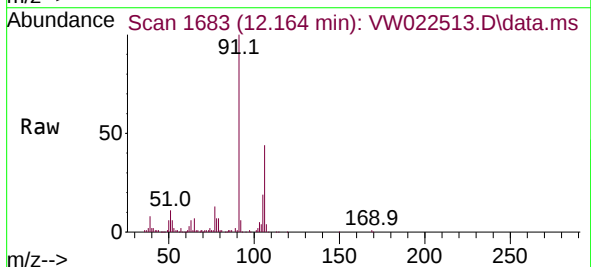
Instrument :
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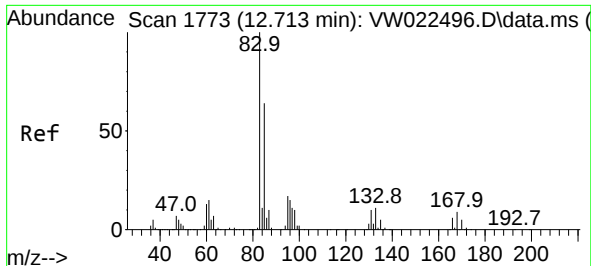
Tgt Ion:106 Resp: 39305
Ion Ratio Lower Upper
106 100
91 193.1 149.9 278.5



#54
o-Xylene
Concen: 1.482 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW022513.D
Acq: 12 Apr 2022 17:34

Tgt Ion:106 Resp: 21258
Ion Ratio Lower Upper
106 100
91 229.6 155.3 288.3





#57

1,1,2,2-Tetrachloroethane

Concen: 16.451 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW022513.D

Acq: 12 Apr 2022 17:34

Instrument :

MSVOA_W

ClientSampleId :

ETNR9

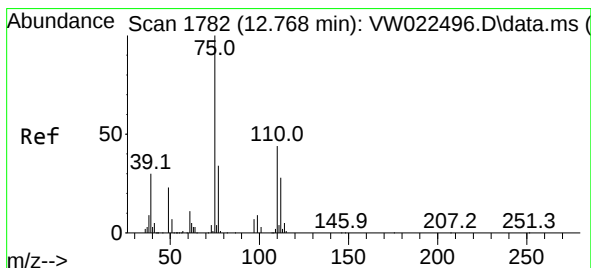
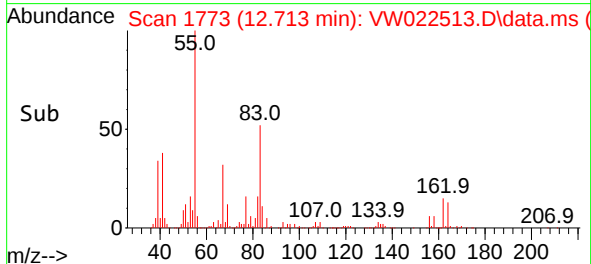
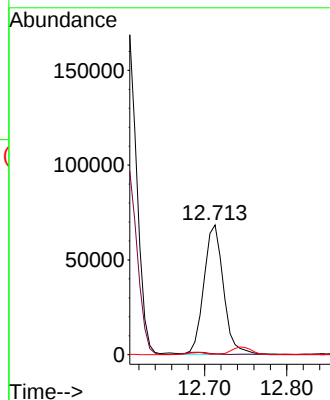
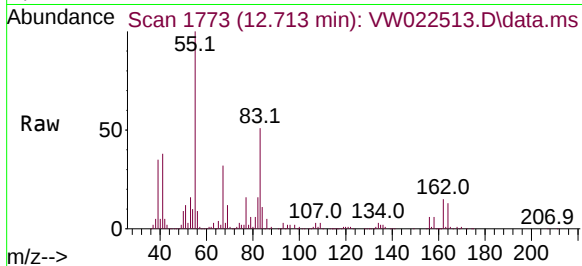
Tgt Ion: 83 Resp: 113470

Ion Ratio Lower Upper

83 100

85 0.7 45.5 84.5#

131 0.4 7.8 11.8#



#61

1,2,3-Trichloropropane

Concen: 35.688 ug/L

RT: 12.743 min Scan# 1778

Delta R.T. -0.025 min

Lab File: VW022513.D

Acq: 12 Apr 2022 17:34

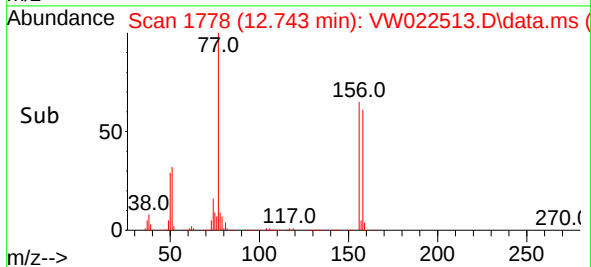
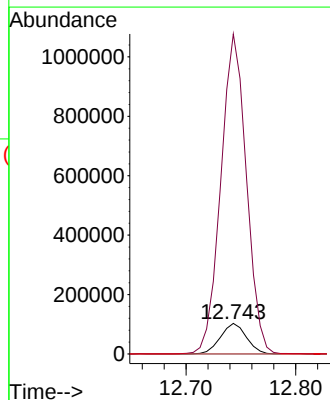
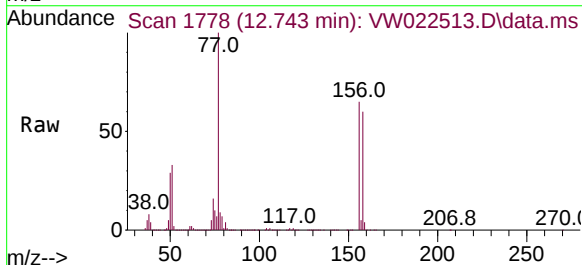
Tgt Ion: 75 Resp: 168076

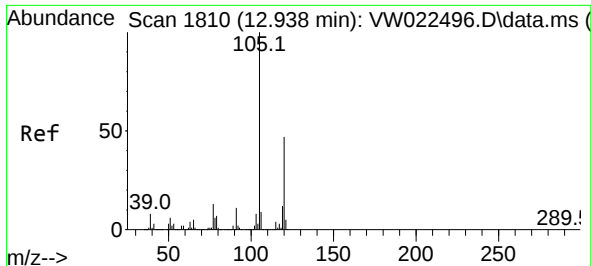
Ion Ratio Lower Upper

75 100

77 1037.7 25.7 38.5#

110 0.1 31.8 47.6#

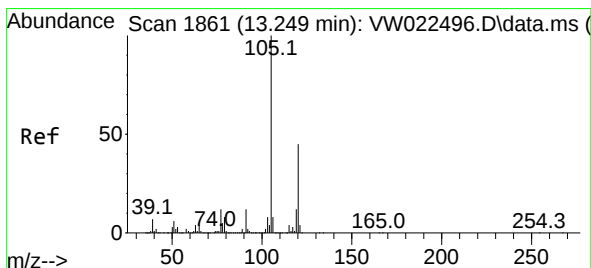
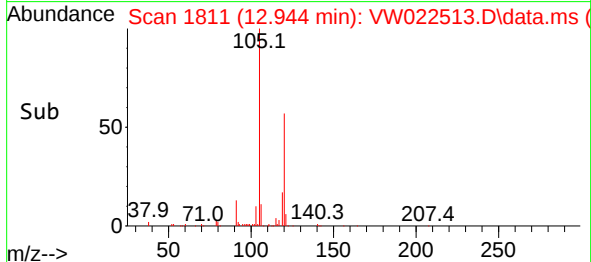
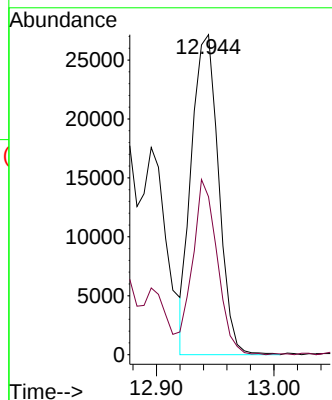
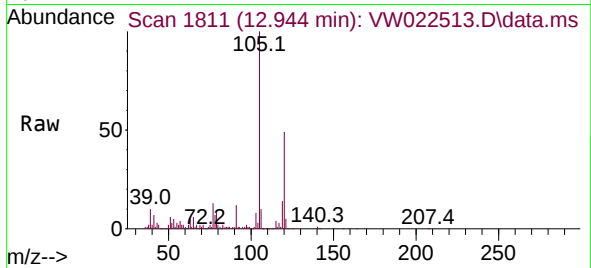




#62
1,3,5-Trimethylbenzene
Concen: 2.144 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VW022513.D
Acq: 12 Apr 2022 17:34

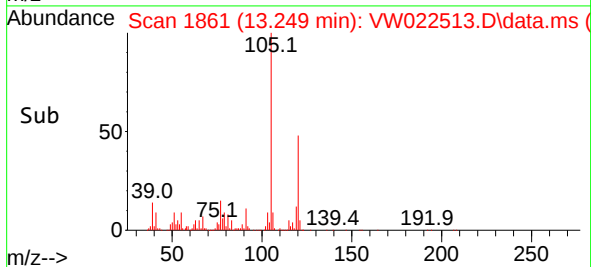
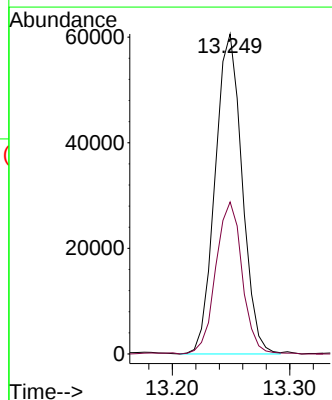
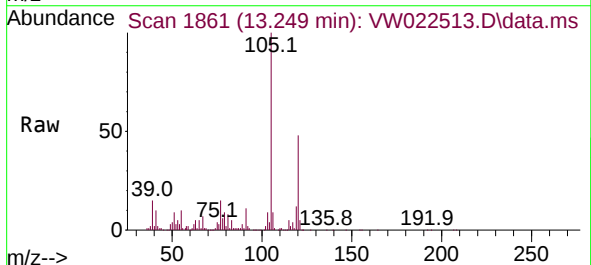
Instrument :
MSVOA_W
ClientSampleId :
ETNR9

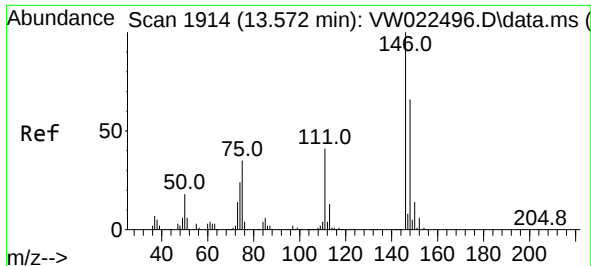
Tgt Ion:105 Resp: 43369
Ion Ratio Lower Upper
105 100
120 50.3 37.5 56.3



#63
1,2,4-Trimethylbenzene
Concen: 3.146 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW022513.D
Acq: 12 Apr 2022 17:34

Tgt Ion:105 Resp: 96766
Ion Ratio Lower Upper
105 100
120 46.4 34.2 51.2

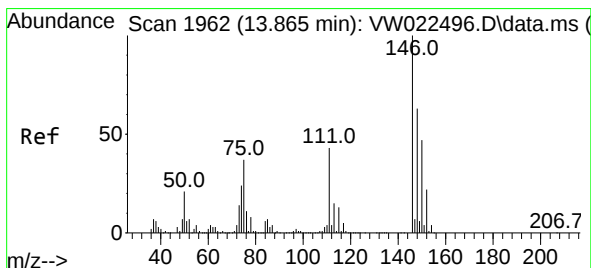
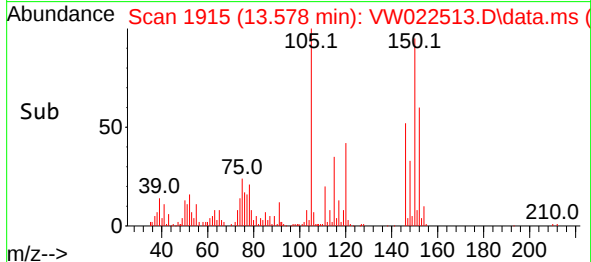
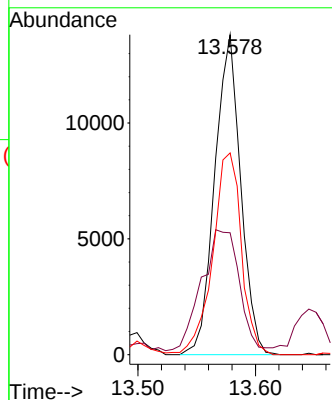
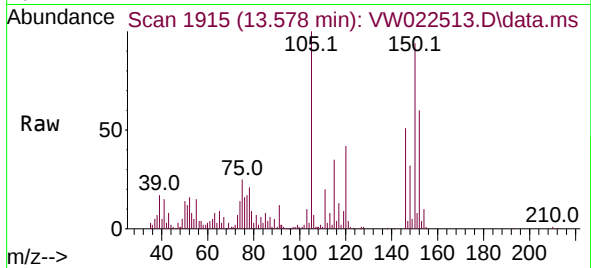




#65
1,4-Dichlorobenzene
Concen: 1.423 ug/L
RT: 13.578 min Scan# 1914
Delta R.T. 0.006 min
Lab File: VW022513.D
Acq: 12 Apr 2022 17:34

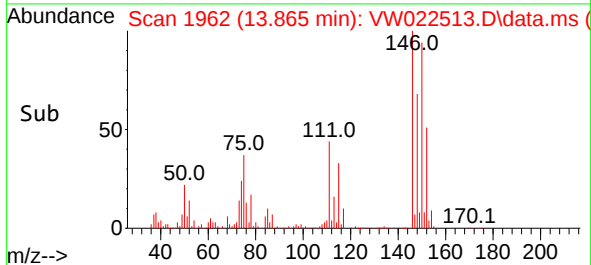
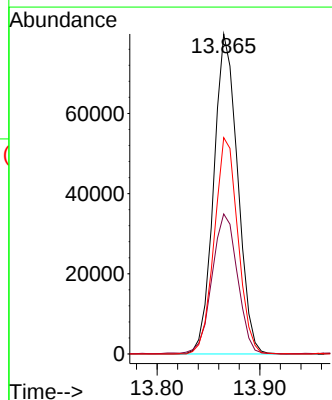
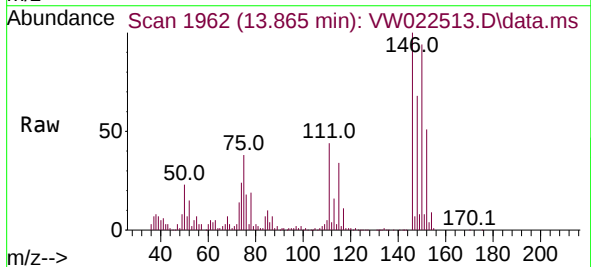
Instrument :
MSVOA_W
ClientSampleId :
ETNR9

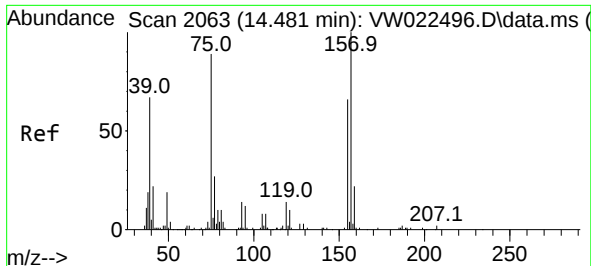
Tgt Ion:146 Resp: 21182
Ion Ratio Lower Upper
146 100
111 38.1 28.5 52.9
148 63.0 44.4 82.4



#67
1,2-Dichlorobenzene
Concen: 9.642 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.000 min
Lab File: VW022513.D
Acq: 12 Apr 2022 17:34

Tgt Ion:146 Resp: 128709
Ion Ratio Lower Upper
146 100
111 43.7 39.0 58.4
148 67.6 52.1 78.1





#68

1,2-Dibromo-3-chloropropane

Concen: 5895.564 ug/L

RT: 14.468 min Scan# 2061

Delta R.T. -0.012 min

Lab File: VW022513.D

Acq: 12 Apr 2022 17:34

Instrument :

MSVOA_W

ClientSampleId :

ETNR9

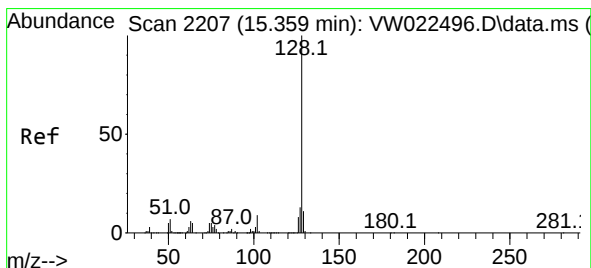
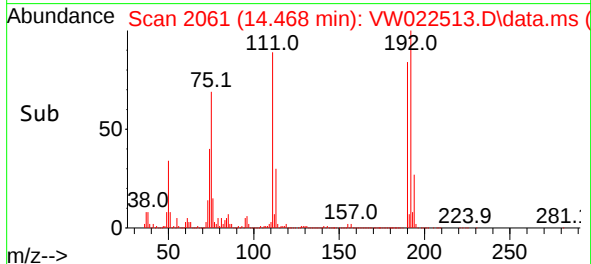
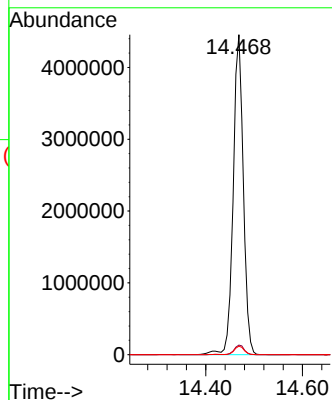
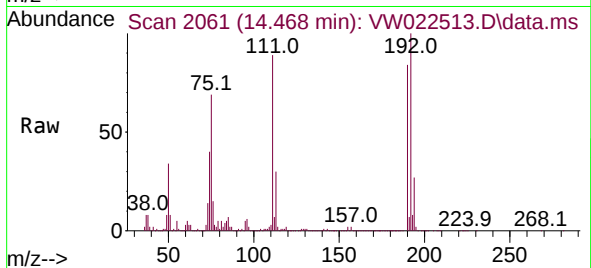
Tgt Ion: 75 Resp: 6439619

Ion Ratio Lower Upper

75 100

155 3.0 55.6 83.4#

157 2.7 69.8 104.6#



#71

Naphthalene

Concen: 1.647 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. -0.000 min

Lab File: VW022513.D

Acq: 12 Apr 2022 17:34

Tgt Ion:128 Resp: 28419

Ion Ratio Lower Upper

128 100

127 14.5 10.6 15.8

129 13.8 8.5 12.7#

