

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
 Data File : VW022505.D
 Acq On : 12 Apr 2022 14:21
 Operator : SY/VA
 Sample : N2316-13RE
 Misc : 5.75g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETNR3

Quant Time: Apr 12 23:32:22 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	370199	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	328572	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	131758	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	126599	15.469	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.880%
7) Chloroethane-d5	2.885	69	91988	17.935	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.720%
11) 1,1-Dichloroethene-d2	4.019	63	138175	13.017	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	52.080%
21) 2-Butanone-d5	7.080	46	91649	64.143	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.280%
24) Chloroform-d	7.647	84	245501	21.217	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.880%
26) 1,2-Dichloroethane-d4	8.305	65	160449	24.269	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.080%
32) Benzene-d6	8.274	84	453875	22.610	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.440%
36) 1,2-Dichloropropane-d6	9.274	67	146538	25.225	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.880%
41) Toluene-d8	10.323	98	408834	20.794	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.160%
43) trans-1,3-Dichloroprop...	10.579	79	63194	23.049	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.200%
47) 2-Hexanone-d5	10.926	63	88284	81.681	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	163.360%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	139754	28.293	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.160%
66) 1,2-Dichlorobenzene-d4	13.847	152	113760	24.376	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.520%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.044	96	8325	1.670	ug/L #	1
13) Acetone	4.123	43	21580	22.183	ug/L	65
19) 1,1-Dichloroethane	6.220	63	15377	1.443	ug/L	93
20) cis-1,2-Dichloroethene	7.165	96	4322	0.701	ug/L #	94
22) 2-Butanone	7.183	43	5447	3.707	ug/L	82
27) 1,2-Dichloroethane	8.403	62	76244	9.667	ug/L	96
29) Cyclohexane	7.957	56	63510	6.754	ug/L	95
33) Benzene	8.323	78	1375373	61.654	ug/L	100
34) Trichloroethene	9.091	95	28608	4.790	ug/L	95
35) Methylcyclohexane	9.335	83	58091	5.421	ug/L	95
37) 1,2-Dichloropropane	9.366	63	5460	1.022	ug/L #	92
42) Toluene	10.384	91	127570	4.991	ug/L	95
51) Chlorobenzene	11.652	112	143735	9.201	ug/L	96
53) m,p-Xylene	11.835	106	7181	0.659	ug/L	80
65) 1,4-Dichlorobenzene	13.572	146	29376	3.316	ug/L	97
67) 1,2-Dichlorobenzene	13.865	146	28428	3.579	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.462	75	1699	2.614	ug/L #	14
69) 1,3,5-Trichlorobenzene	15.127	180	34721	5.991	ug/L	95
70) 1,2,4-trichlorobenzene	15.127	180	34721	7.133	ug/L	99

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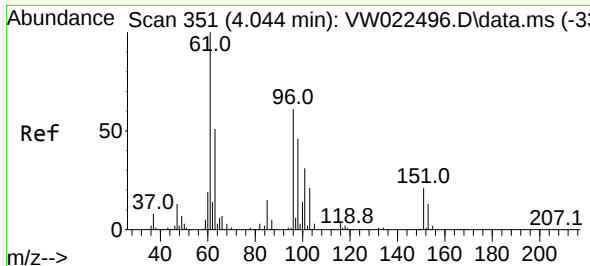
Quant Time: Apr 12 23:32:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Apr 12 23:30:19 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	15.548	180	16995	4.085	ug/L	94

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

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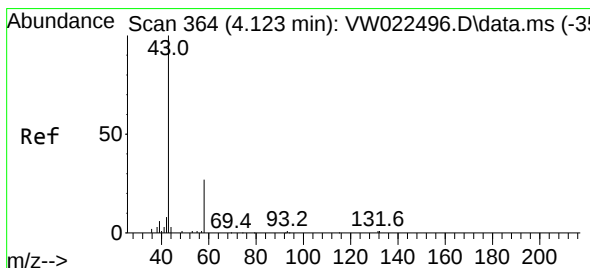
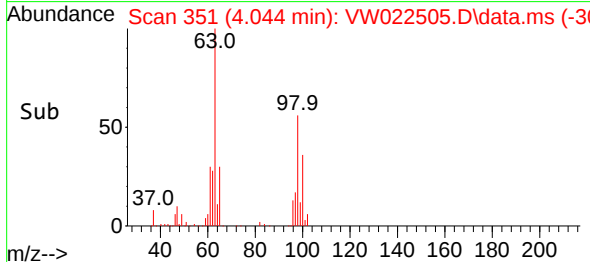
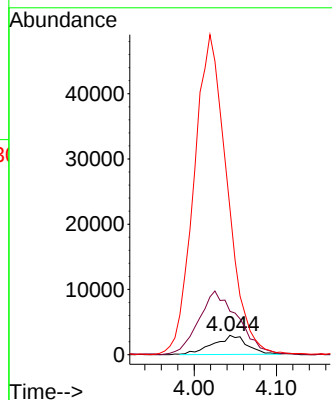
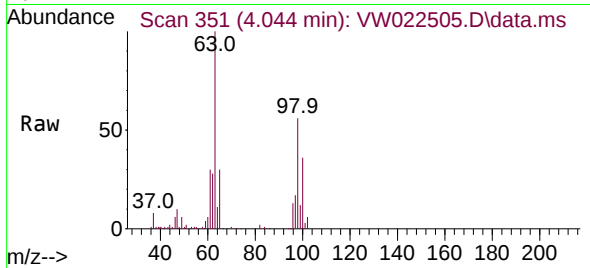




#12
1,1-Dichloroethene
Concen: 1.670 ug/L
RT: 4.044 min Scan# 351
Delta R.T. -0.000 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21

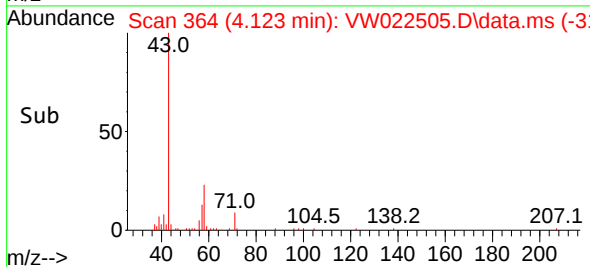
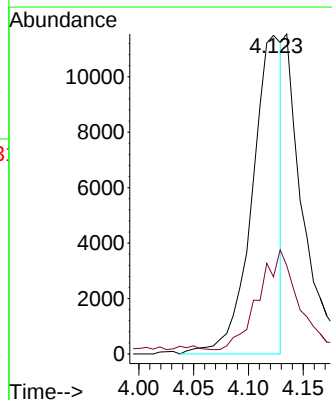
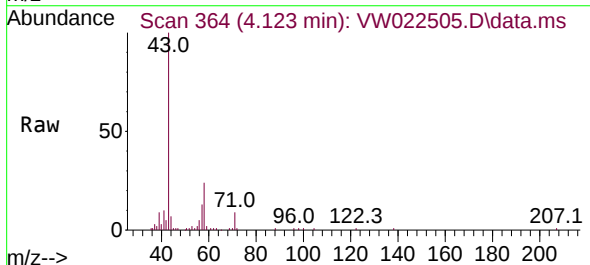
Instrument :
MSVOA_W
ClientSampleId :
ETNR3

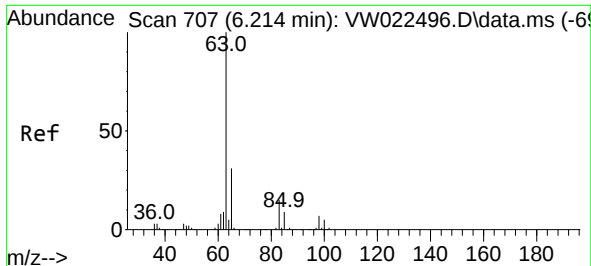
Tgt Ion: 96 Resp: 8325
Ion Ratio Lower Upper
96 100
61 224.7 128.0 237.6
63 755.7 86.6 160.8#



#13
Acetone
Concen: 22.183 ug/L
RT: 4.123 min Scan# 364
Delta R.T. -0.000 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21

Tgt Ion: 43 Resp: 21580
Ion Ratio Lower Upper
43 100
58 47.2 0.0 57.0





#19

1,1-Dichloroethane

Concen: 1.443 ug/L

RT: 6.220 min Scan# 707

Delta R.T. 0.006 min

Lab File: VW022505.D

Acq: 12 Apr 2022 14:21

Instrument :

MSVOA_W

ClientSampleId :

ETNR3

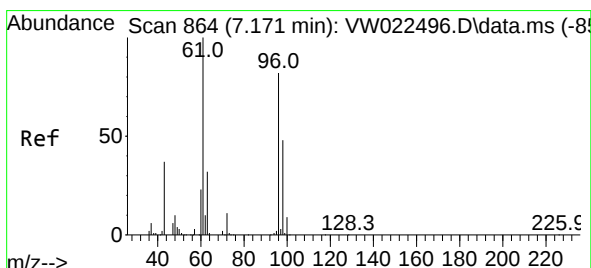
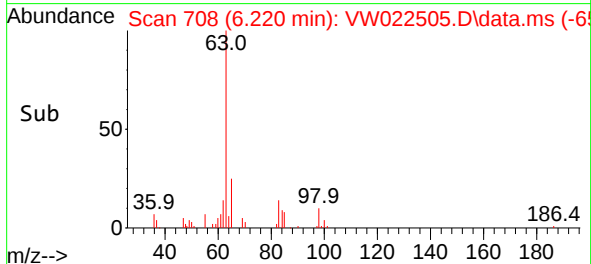
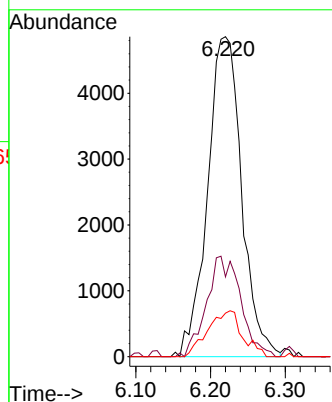
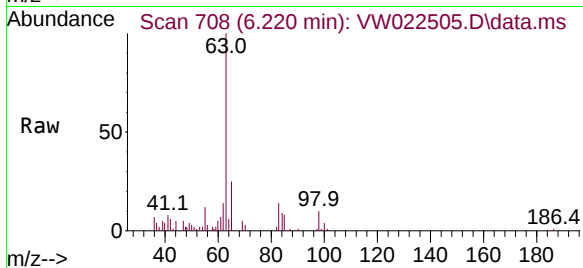
Tgt Ion: 63 Resp: 15377

Ion Ratio Lower Upper

63 100

65 25.0 21.1 39.3

83 13.6 10.1 18.9



#20

cis-1,2-Dichloroethene

Concen: 0.701 ug/L

RT: 7.165 min Scan# 863

Delta R.T. -0.006 min

Lab File: VW022505.D

Acq: 12 Apr 2022 14:21

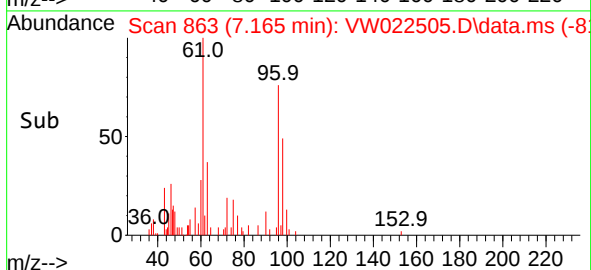
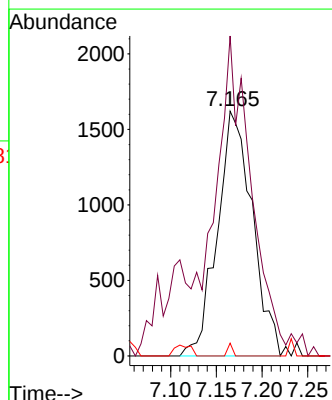
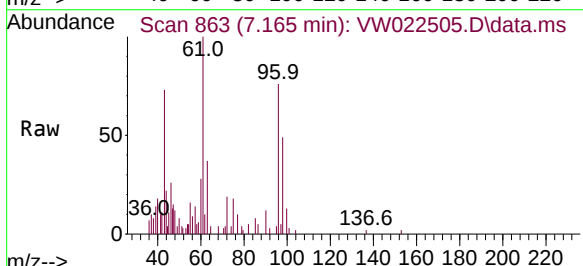
Tgt Ion: 96 Resp: 4322

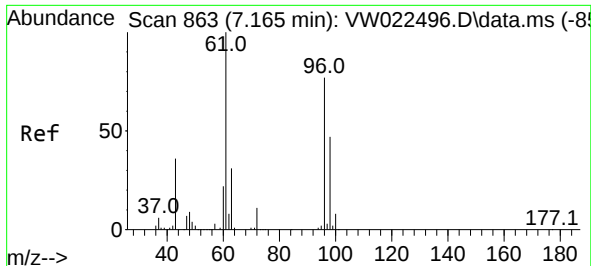
Ion Ratio Lower Upper

96 100

61 130.7 96.4 179.0

68 5.2 0.1 0.3

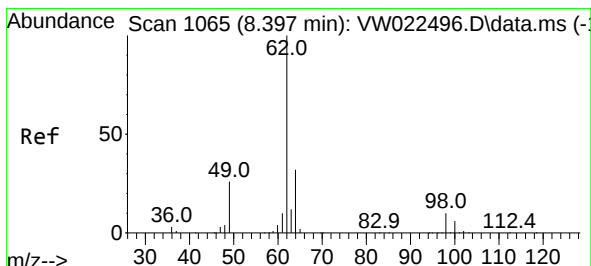
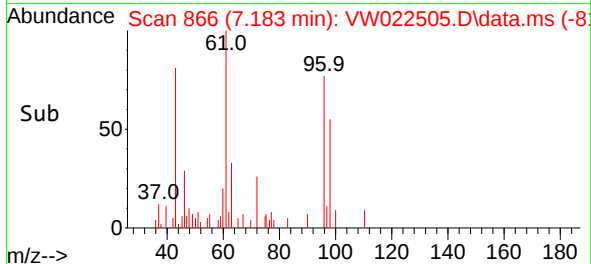
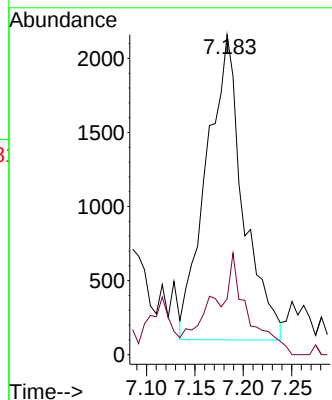
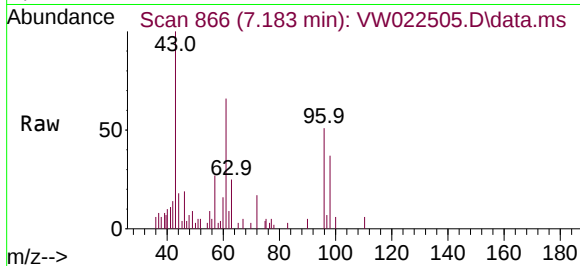




#22
2-Butanone
Concen: 3.707 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.018 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21

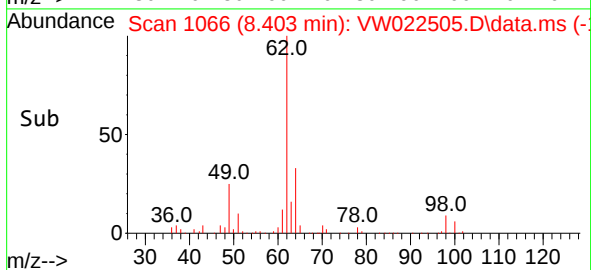
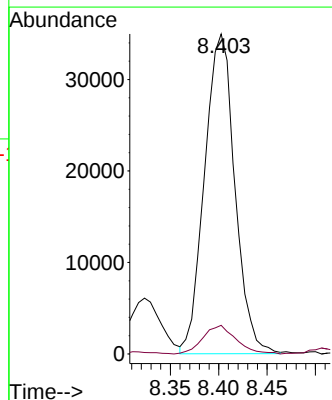
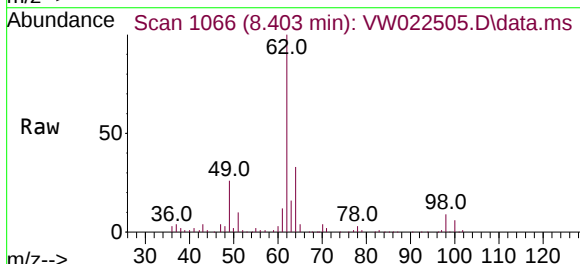
Instrument :
MSVOA_W
ClientSampleId :
ETNR3

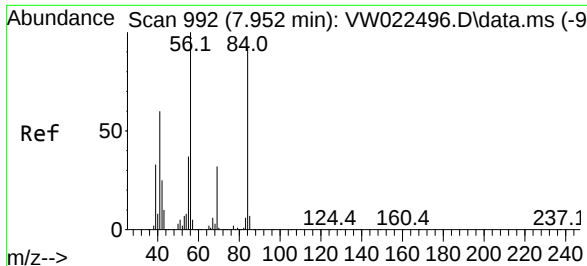
Tgt Ion: 43 Resp: 5447
Ion Ratio Lower Upper
43 100
72 18.6 14.0 42.0



#27
1,2-Dichloroethane
Concen: 9.667 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21

Tgt Ion: 62 Resp: 76244
Ion Ratio Lower Upper
62 100
98 9.0 6.2 9.2





#29

Cyclohexane

Concen: 6.754 ug/L

RT: 7.957 min Scan# 993

Delta R.T. 0.006 min

Lab File: VW022505.D

Acq: 12 Apr 2022 14:21

Instrument :

MSVOA_W

ClientSampleId :

ETNR3

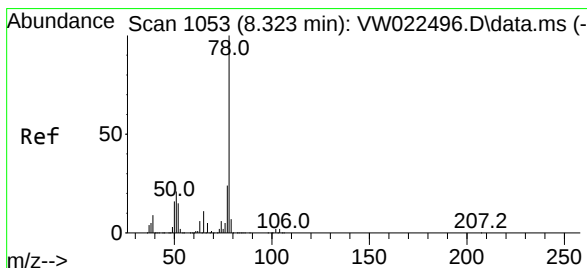
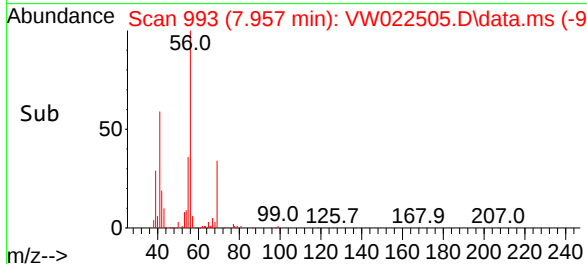
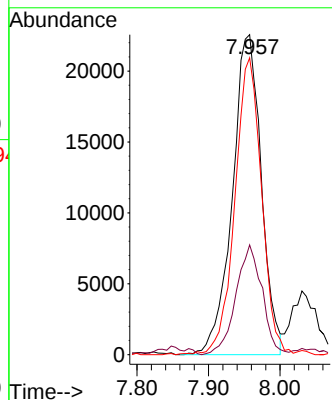
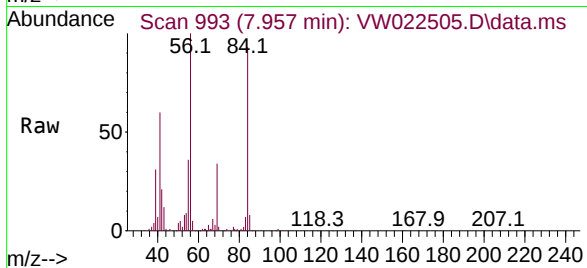
Tgt Ion: 56 Resp: 63510

Ion Ratio Lower Upper

56 100

69 31.1 24.4 36.6

84 85.1 72.6 108.8



#33

Benzene

Concen: 61.654 ug/L

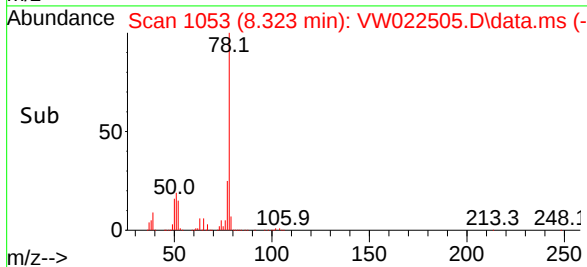
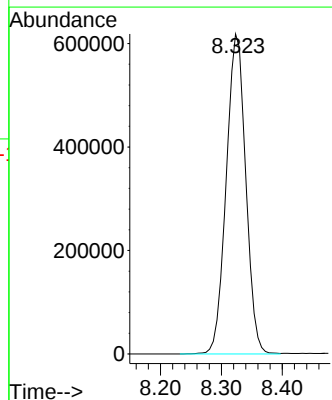
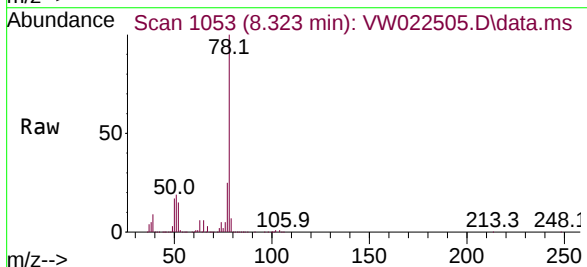
RT: 8.323 min Scan# 1053

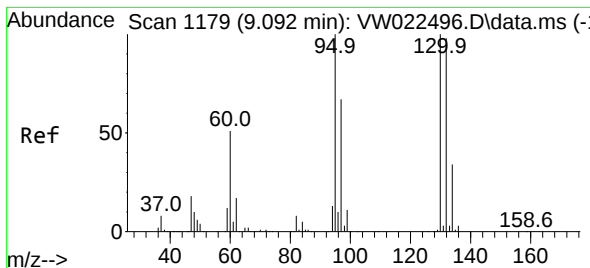
Delta R.T. -0.000 min

Lab File: VW022505.D

Acq: 12 Apr 2022 14:21

Tgt Ion: 78 Resp: 1375373





#34

Trichloroethene

Concen: 4.790 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW022505.D

Acq: 12 Apr 2022 14:21

Instrument :

MSVOA_W

ClientSampleId :

ETNR3

Tgt Ion: 95 Resp: 28608

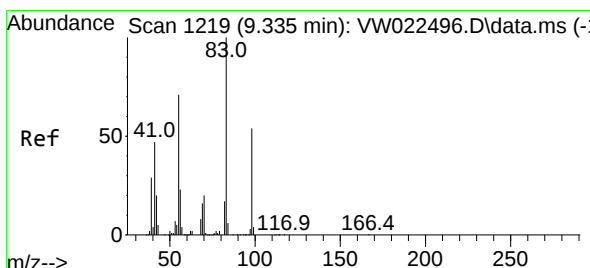
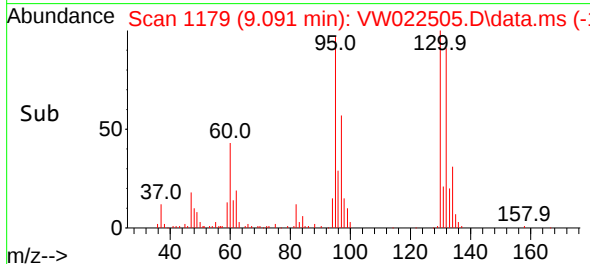
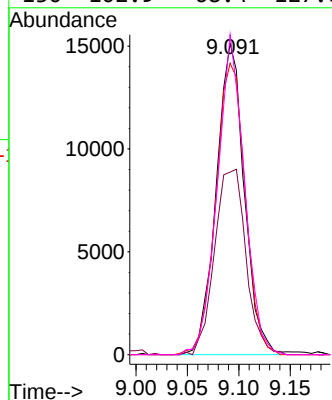
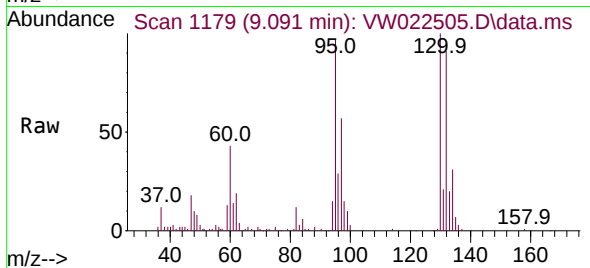
Ion Ratio Lower Upper

95 100

97 58.7 46.4 86.2

132 93.7 67.4 125.2

130 102.9 68.4 127.0



#35

Methylcyclohexane

Concen: 5.421 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW022505.D

Acq: 12 Apr 2022 14:21

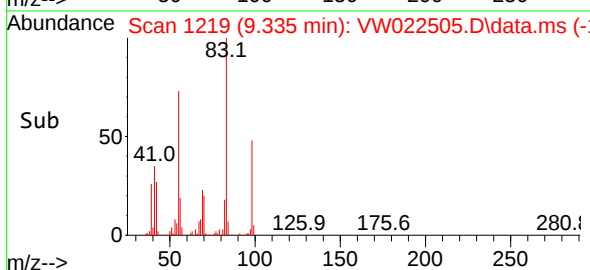
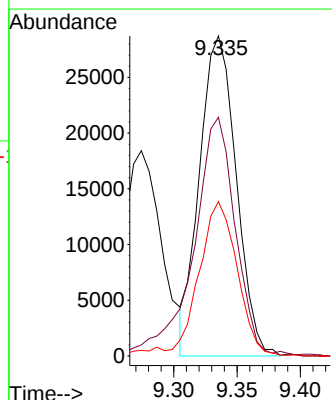
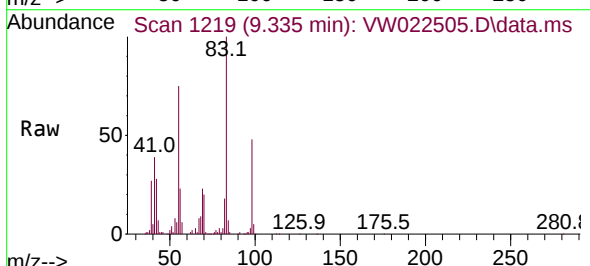
Tgt Ion: 83 Resp: 58091

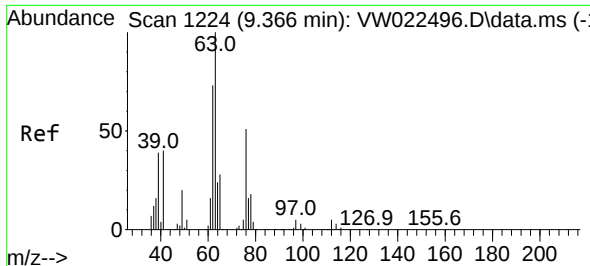
Ion Ratio Lower Upper

83 100

55 83.2 61.0 91.6

98 49.6 39.2 58.8





#37

1,2-Dichloropropane

Concen: 1.022 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.000 min

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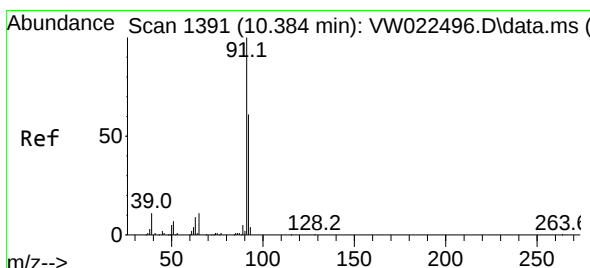
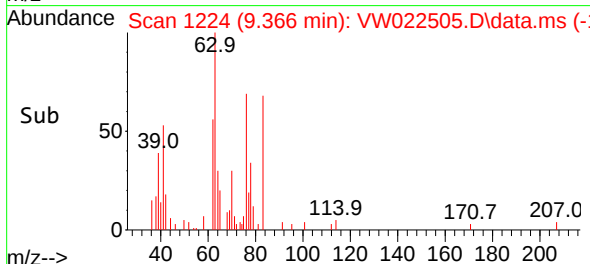
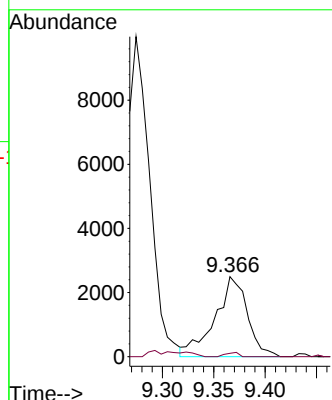
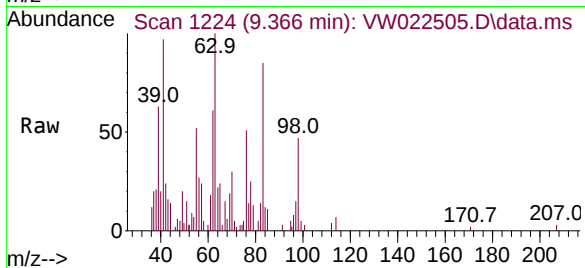
ETNR3

Tgt Ion: 63 Resp: 5460

Ion Ratio Lower Upper

63 100

112 2.1 3.8 5.6#



#42

Toluene

Concen: 4.991 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VW022505.D

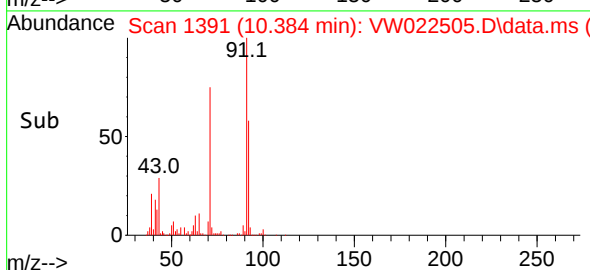
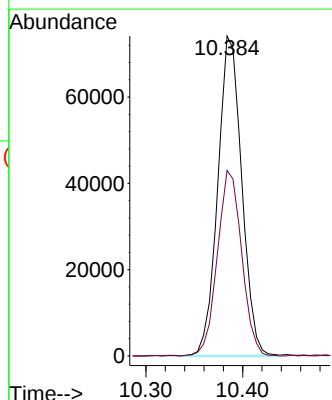
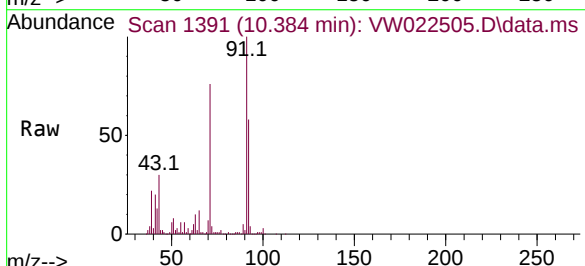
Acq: 12 Apr 2022 14:21

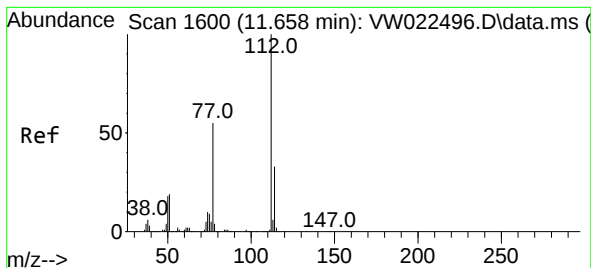
Tgt Ion: 91 Resp: 127570

Ion Ratio Lower Upper

91 100

92 58.0 38.0 70.6

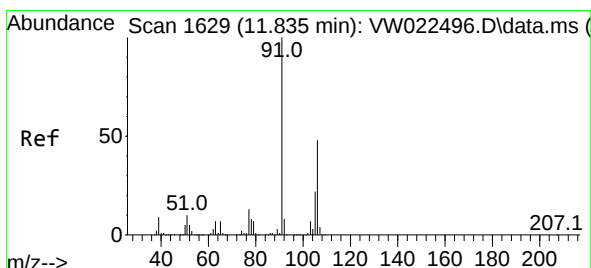
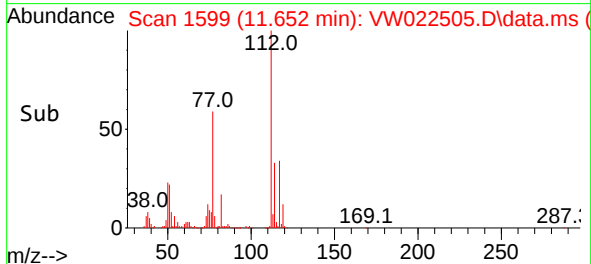
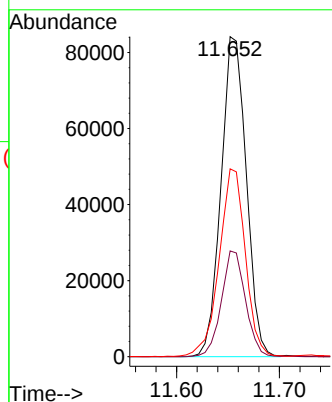
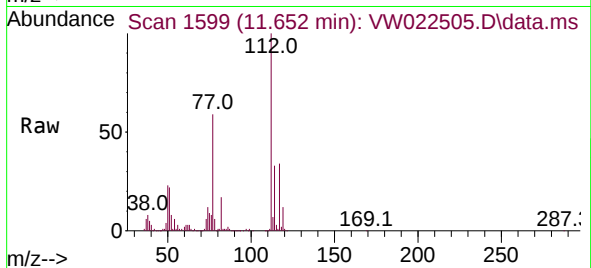




#51
Chlorobenzene
Concen: 9.201 ug/L
RT: 11.652 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21

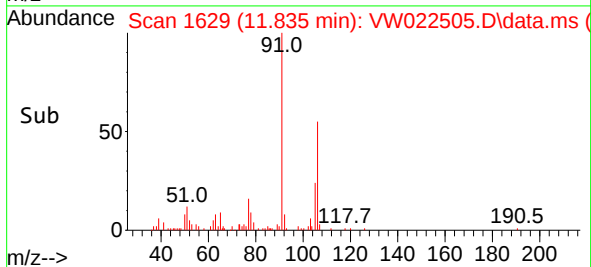
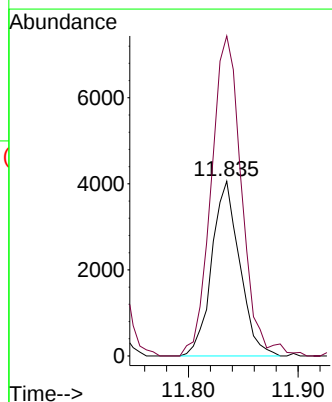
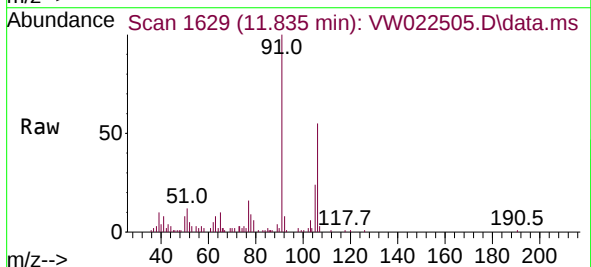
Instrument :
MSVOA_W
ClientSampleId :
ETNR3

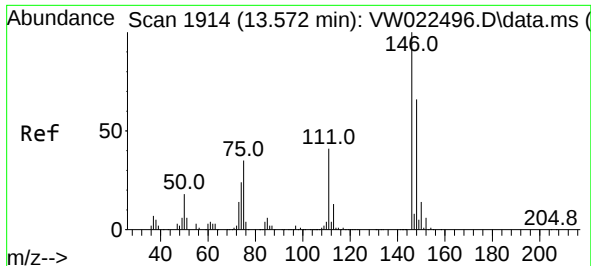
Tgt Ion:112 Resp: 143735
Ion Ratio Lower Upper
112 100
114 33.0 20.5 38.1
77 58.7 48.1 72.1



#53
m,p-Xylene
Concen: 0.659 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21

Tgt Ion:106 Resp: 7181
Ion Ratio Lower Upper
106 100
91 183.2 149.9 278.5

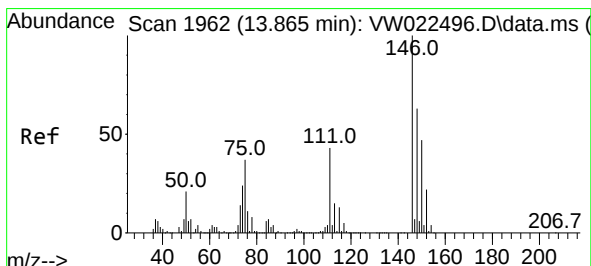
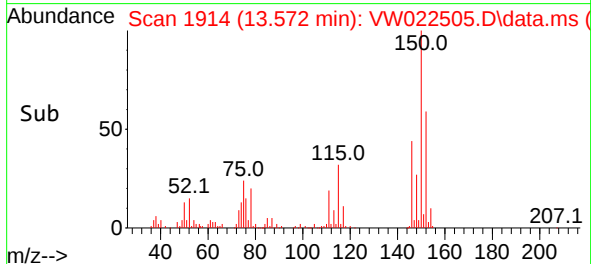
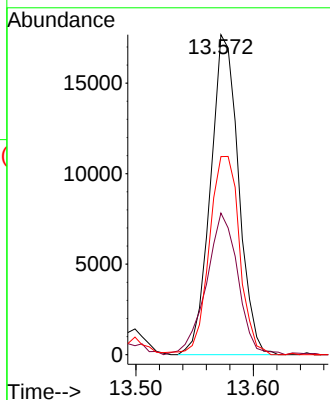
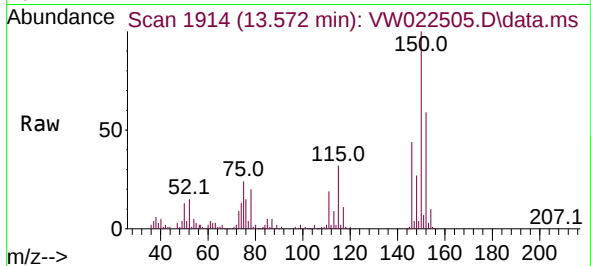




#65
1,4-Dichlorobenzene
Concen: 3.316 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21

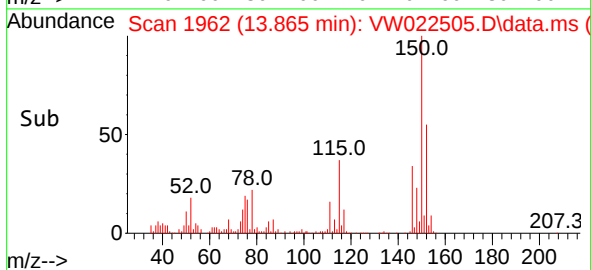
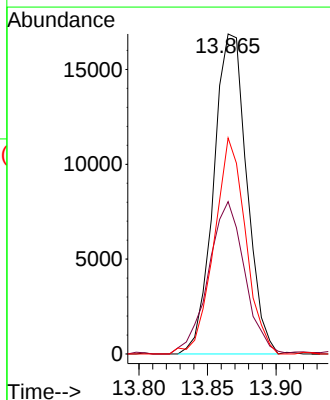
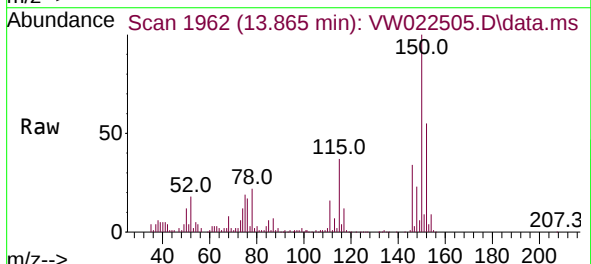
Instrument :
MSVOA_W
ClientSampleId :
ETNR3

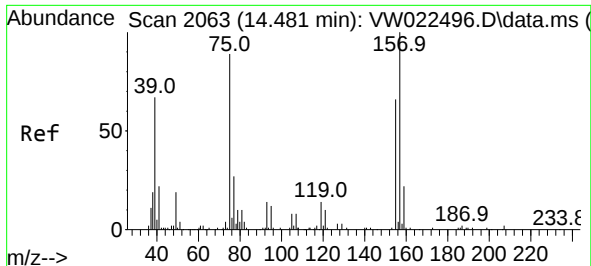
Tgt Ion:146 Resp: 29376
Ion Ratio Lower Upper
146 100
111 44.2 28.5 52.9
148 61.9 44.4 82.4



#67
1,2-Dichlorobenzene
Concen: 3.579 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.000 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21

Tgt Ion:146 Resp: 28428
Ion Ratio Lower Upper
146 100
111 47.6 39.0 58.4
148 67.5 52.1 78.1

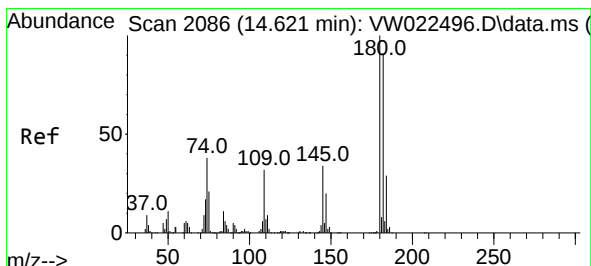
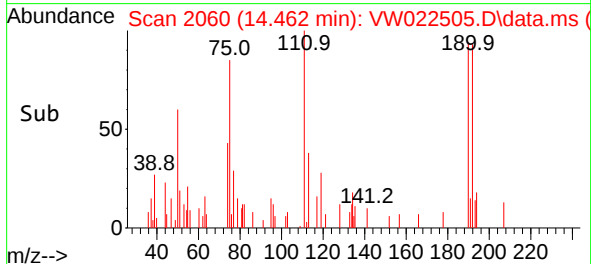
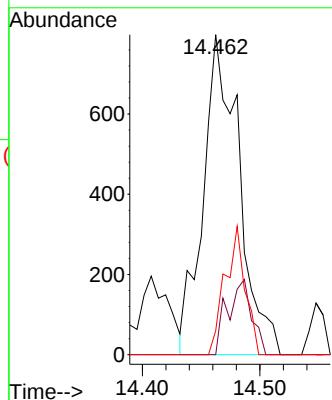
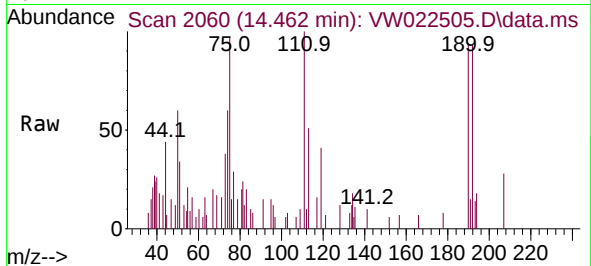




#68
1,2-Dibromo-3-chloropropane
Concen: 2.614 ug/L
RT: 14.462 min Scan# 2060
Delta R.T. -0.018 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21

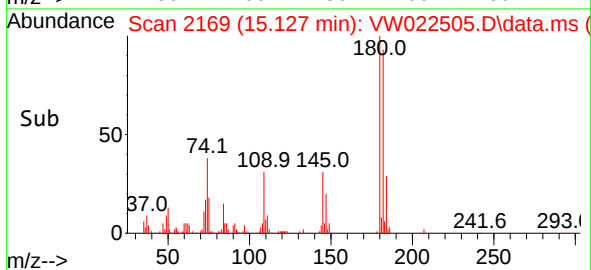
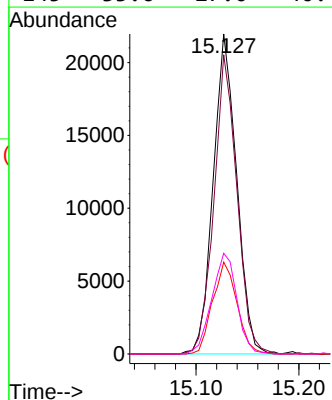
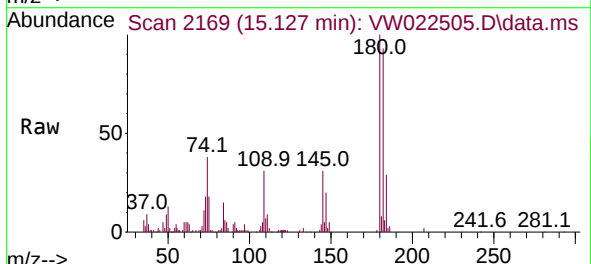
Instrument :
MSVOA_W
ClientSampleId :
ETNR3

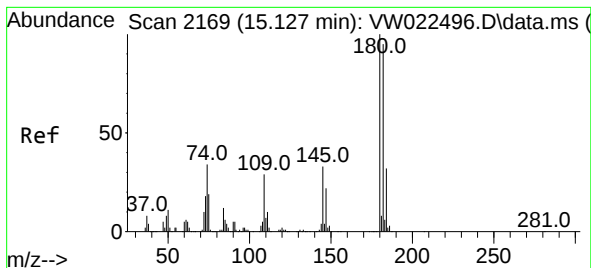
Tgt Ion: 75 Resp: 1699
Ion Ratio Lower Upper
75 100
155 0.0 55.6 83.4#
157 7.5 69.8 104.6#



#69
1,3,5-Trichlorobenzene
Concen: 5.991 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. 0.506 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21

Tgt Ion:180 Resp: 34721
Ion Ratio Lower Upper
180 100
182 91.7 79.1 118.7
184 29.9 24.5 36.7
145 33.6 27.0 40.4





#70

1,2,4-trichlorobenzene

Concen: 7.133 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW022505.D

Acq: 12 Apr 2022 14:21

Instrument :

MSVOA_W

ClientSampleId :

ETNR3

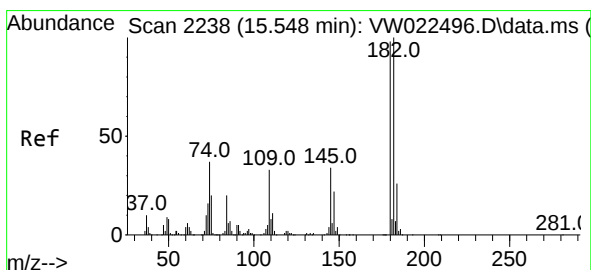
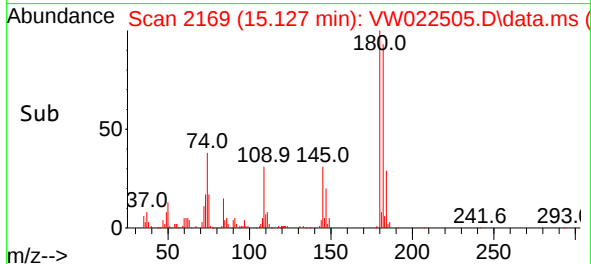
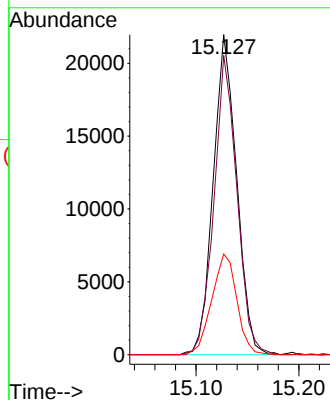
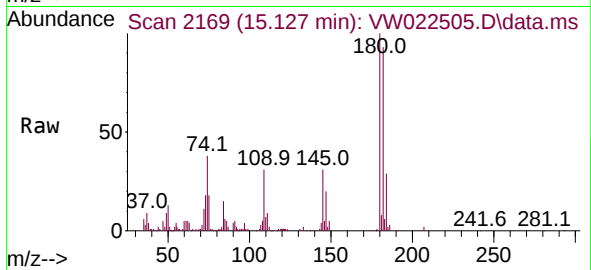
Tgt Ion:180 Resp: 34721

Ion Ratio Lower Upper

180 100

182 91.7 72.8 109.2

145 33.6 25.5 38.3



#72

1,2,3-Trichlorobenzene

Concen: 4.085 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. -0.000 min

Lab File: VW022505.D

Acq: 12 Apr 2022 14:21

Tgt Ion:180 Resp: 16995

Ion Ratio Lower Upper

180 100

182 95.2 73.4 110.0

145 39.9 27.0 40.6

