

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
 Data File : VW022471.D
 Acq On : 08 Apr 2022 18:07
 Operator : SY/VA
 Sample : N2293-19
 Misc : 6.65g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETNP7

Quant Time: Apr 08 23:36:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Apr 08 23:31:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	381811	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	405596	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	188822	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	149572	17.720	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.880%
7) Chloroethane-d5	2.891	69	110530	20.894	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.560%
11) 1,1-Dichloroethene-d2	4.019	63	150746	13.770	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	55.080%
21) 2-Butanone-d5	7.080	46	81589	55.366	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.740%
24) Chloroform-d	7.653	84	260059	21.791	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.160%
26) 1,2-Dichloroethane-d4	8.305	65	159536	23.397	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	8.275	84	471662	19.034	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	76.120%
36) 1,2-Dichloropropane-d6	9.274	67	149980	20.914	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.640%
41) Toluene-d8	10.323	98	439546	18.111	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	72.440%
43) trans-1,3-Dichloroprop...	10.579	79	64266	18.989	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.960%
47) 2-Hexanone-d5	10.920	63	73724	55.257	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.520%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	140302	23.010	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.040%
66) 1,2-Dichlorobenzene-d4	13.853	152	164534	24.601	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.400%
Target Compounds						
					Qvalue	
13) Acetone	4.129	43	29864	29.765	ug/L	90
14) Carbon disulfide	4.391	76	44417	2.626	ug/L	97
27) 1,2-Dichloroethane	8.409	62	4607	0.566	ug/L #	76
29) Cyclohexane	7.957	56	15410	1.327	ug/L	89
33) Benzene	8.323	78	2366134	85.924	ug/L	100
35) Methylcyclohexane	9.335	83	73016	5.520	ug/L	97
42) Toluene	10.384	91	862130	27.322	ug/L	93
45) 1,1,2-Trichloroethane	10.762	97	10291	2.044	ug/L #	40
48) 2-Hexanone	10.933	43	39015	13.736	ug/L #	32
52) Ethylbenzene	11.731	91	143093	4.046	ug/L	97
53) m,p-Xylene	11.835	106	142178	10.572	ug/L	89
54) o-Xylene	12.164	106	91937	7.154	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.688	83	12160	1.968	ug/L	90
60) Isopropylbenzene	12.463	105	63221	2.016	ug/L	100
61) 1,2,3-Trichloropropane	12.743	75	8894	2.214	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.938	105	44821	2.598	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	304599	11.612	ug/L	98
64) 1,3-Dichlorobenzene	13.493	146	17918	1.408	ug/L #	1
65) 1,4-Dichlorobenzene	13.578	146	89561	7.054	ug/L #	53

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 Response via : Initial Calibration

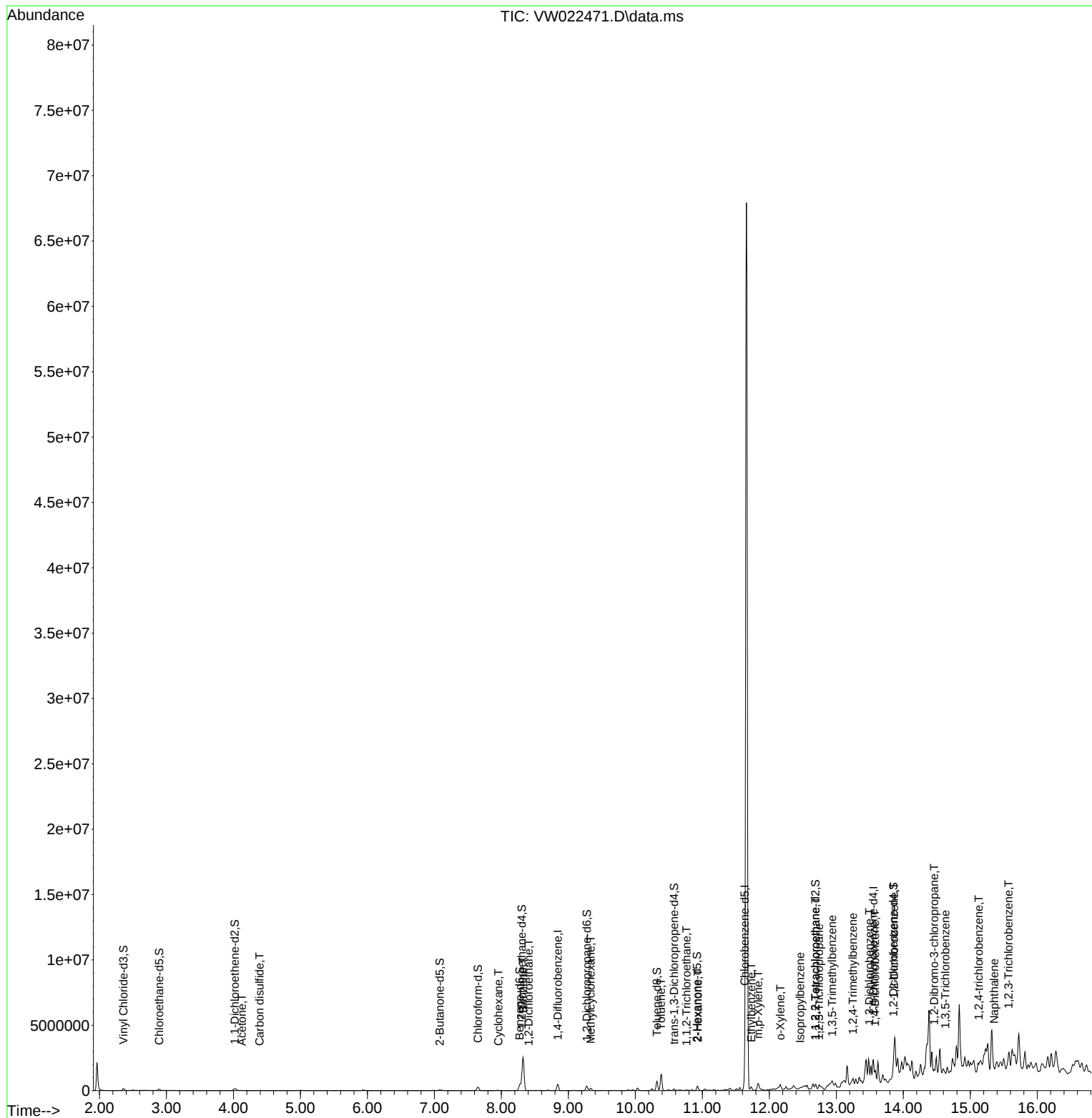
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	13.865	146	328121	28.821	ug/L #	88
68) 1,2-Dibromo-3-chloropr...	14.462	75	56397	60.541	ug/L #	14
69) 1,3,5-Trichlorobenzene	14.627	180	18794	2.263	ug/L	89
70) 1,2,4-trichlorobenzene	15.127	180	11534	1.654	ug/L #	1
71) Naphthalene	15.359	128	115875	7.876	ug/L	96
72) 1,2,3-Trichlorobenzene	15.572	180	8198	1.375	ug/L #	1

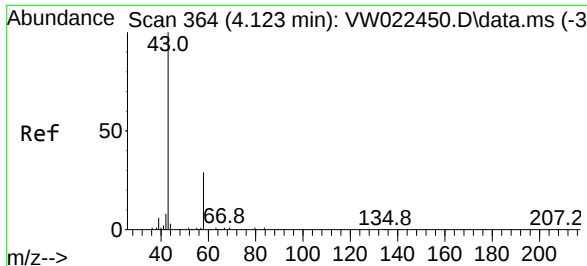
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

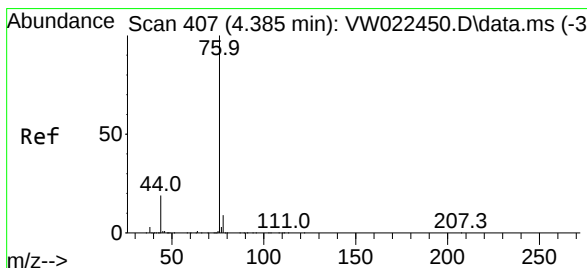
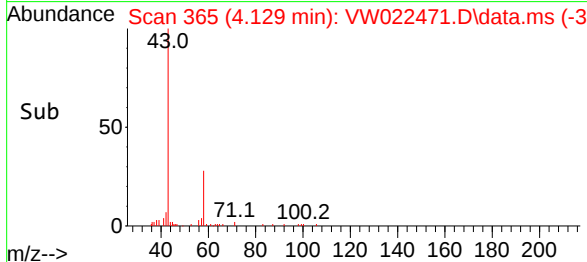
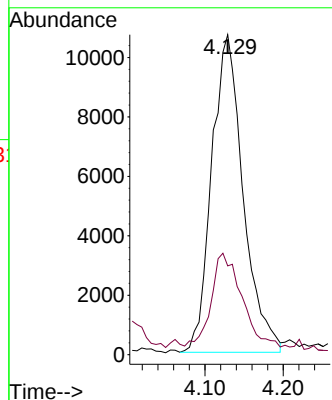
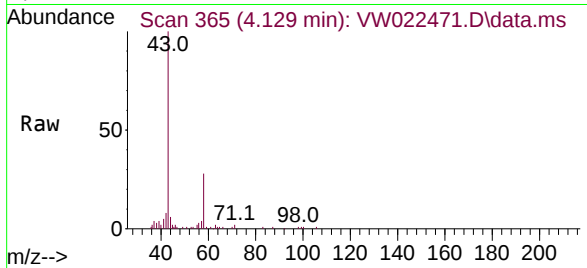




#13
Acetone
Concen: 29.765 ug/L
RT: 4.129 min Scan# 30
Delta R.T. 0.006 min
Lab File: VW022471.D
Acq: 08 Apr 2022 18:07

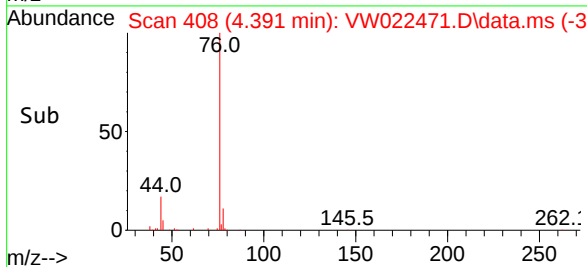
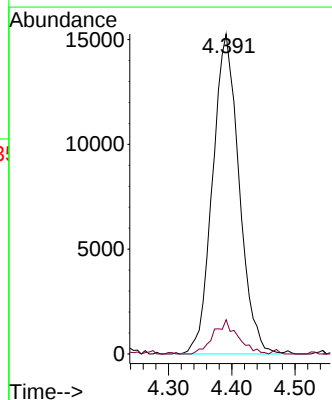
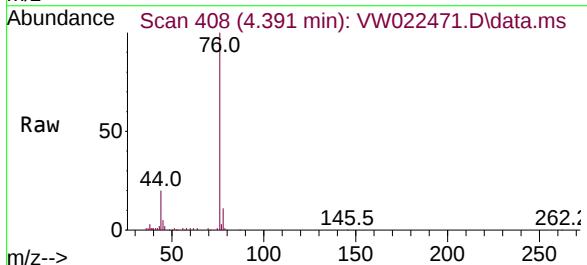
Instrument :
MSVOA_W
ClientSampleId :
ETNP7

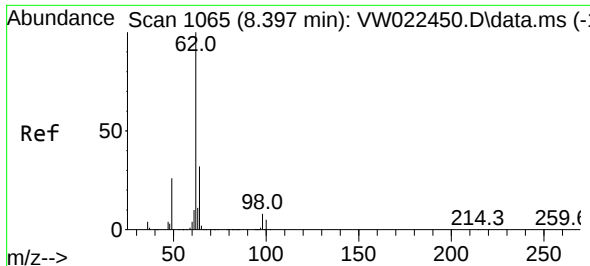
Tgt Ion: 43 Resp: 29864
Ion Ratio Lower Upper
43 100
58 33.8 0.0 57.0



#14
Carbon disulfide
Concen: 2.626 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW022471.D
Acq: 08 Apr 2022 18:07

Tgt Ion: 76 Resp: 44417
Ion Ratio Lower Upper
76 100
78 10.7 7.6 11.4





#27

1,2-Dichloroethane

Concen: 0.566 ug/L

RT: 8.409 min Scan# 1065

Delta R.T. 0.012 min

Lab File: VW022471.D

Acq: 08 Apr 2022 18:07

Instrument :

MSVOA_W

ClientSampleId :

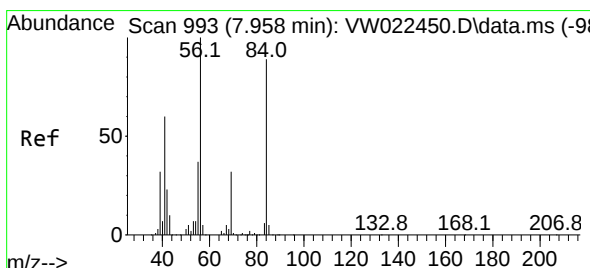
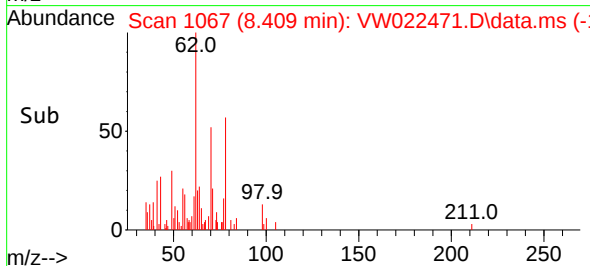
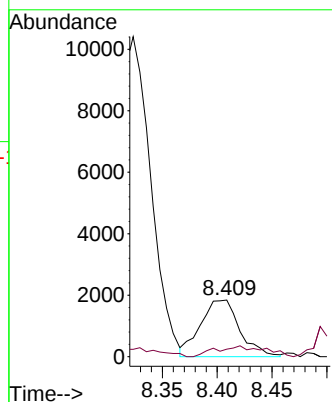
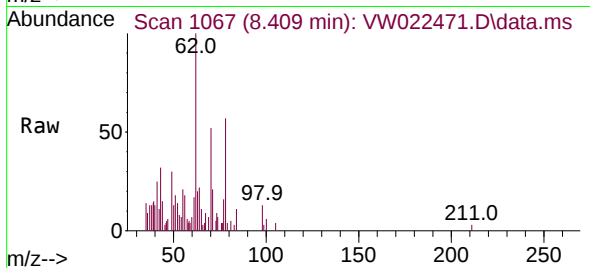
ETNP7

Tgt Ion: 62 Resp: 4607

Ion Ratio Lower Upper

62 100

98 16.2 6.2 9.2#



#29

Cyclohexane

Concen: 1.327 ug/L

RT: 7.957 min Scan# 993

Delta R.T. -0.000 min

Lab File: VW022471.D

Acq: 08 Apr 2022 18:07

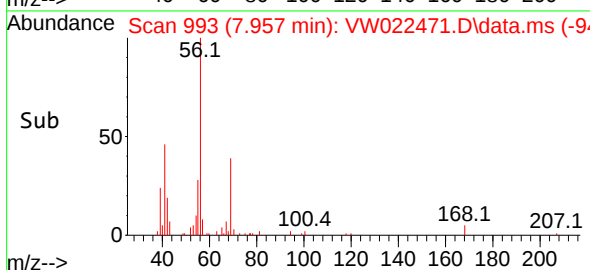
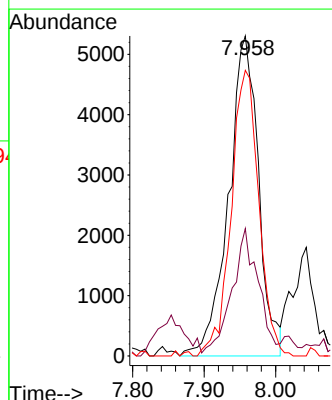
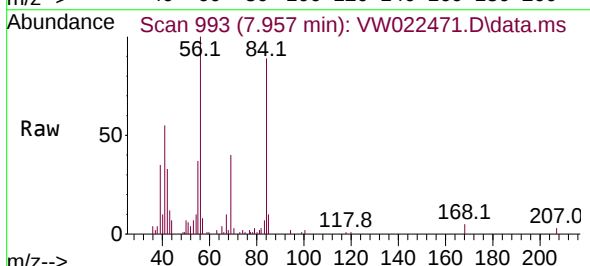
Tgt Ion: 56 Resp: 15410

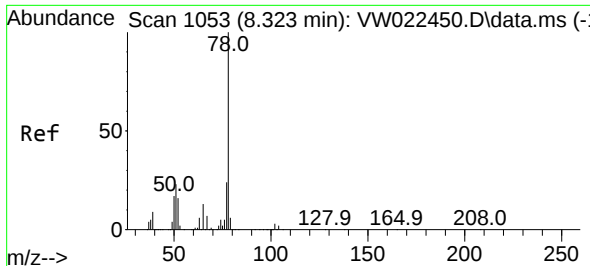
Ion Ratio Lower Upper

56 100

69 33.5 24.4 36.6

84 79.1 72.6 108.8

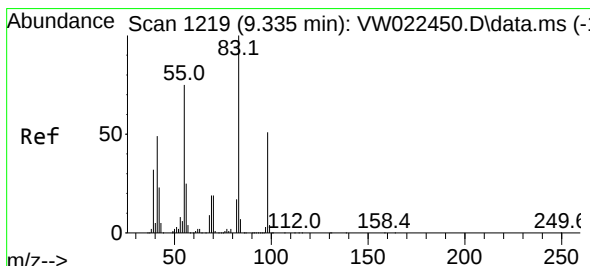
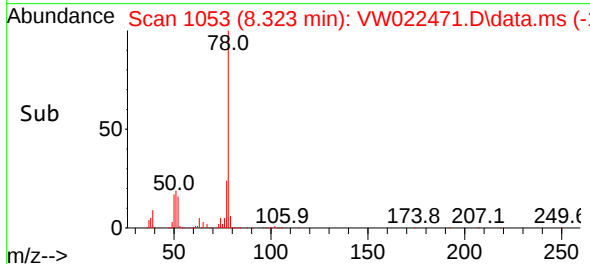
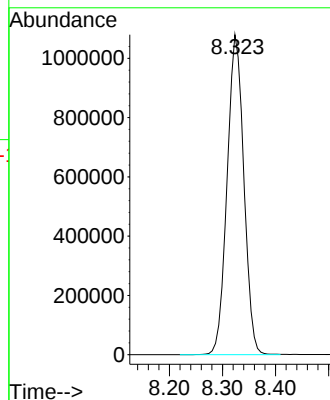
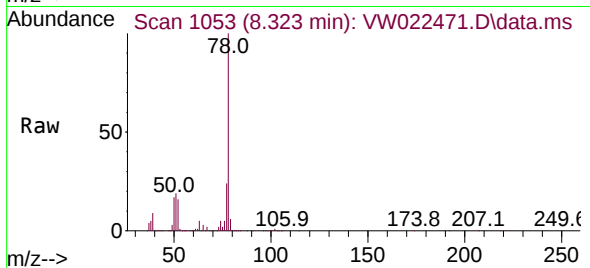




#33
Benzene
Concen: 85.924 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW022471.D
Acq: 08 Apr 2022 18:07

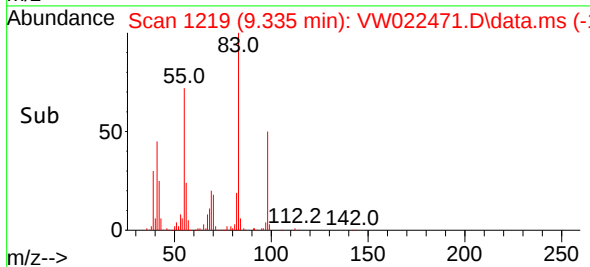
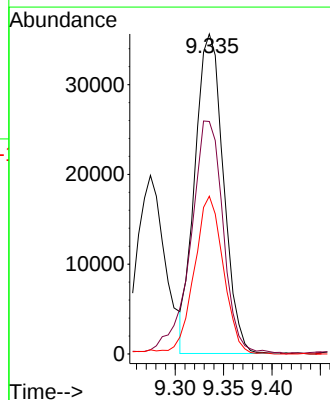
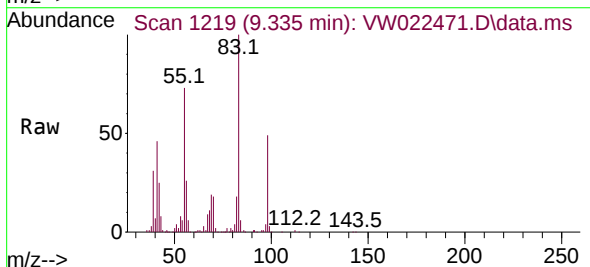
Instrument :
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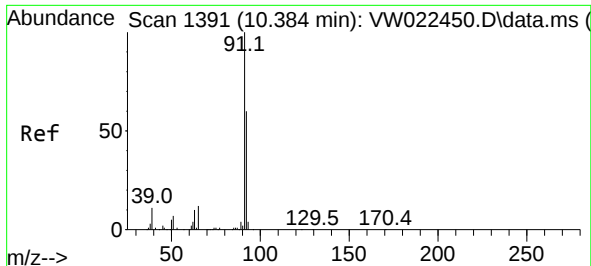
Tgt Ion: 78 Resp: 2366134



#35
Methylcyclohexane
Concen: 5.520 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW022471.D
Acq: 08 Apr 2022 18:07

Tgt Ion: 83 Resp: 73016
Ion Ratio Lower Upper
83 100
55 80.2 61.0 91.6
98 50.0 39.2 58.8

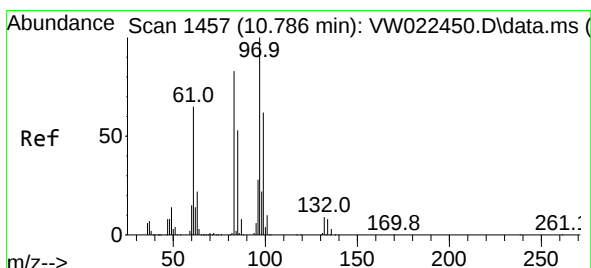
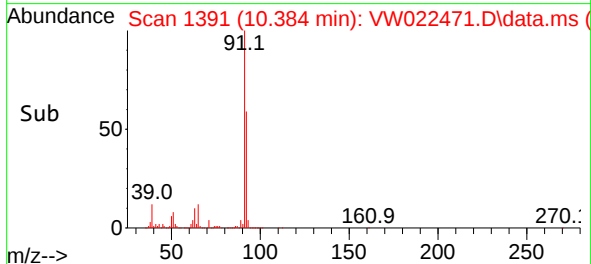
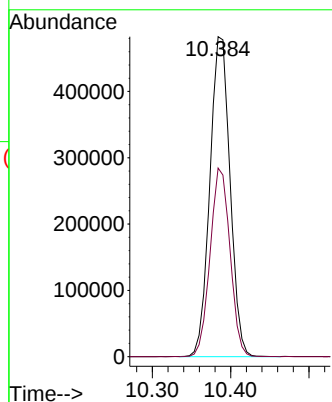
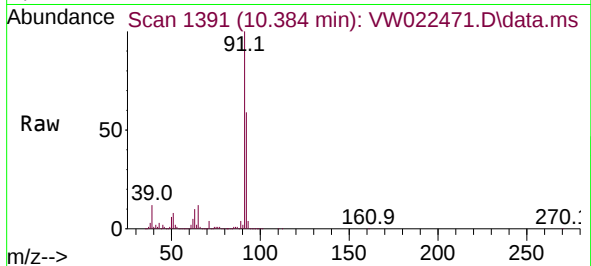




#42
Toluene
Concen: 27.322 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VW022471.D
Acq: 08 Apr 2022 18:07

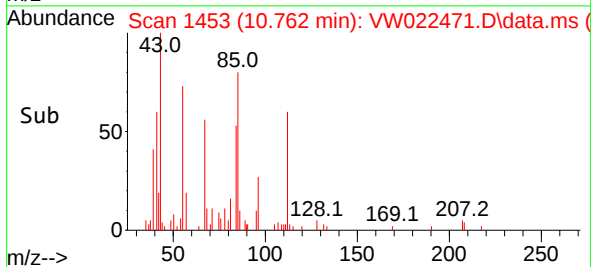
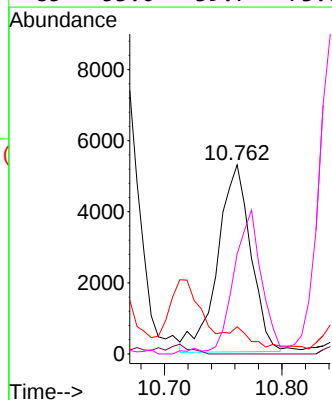
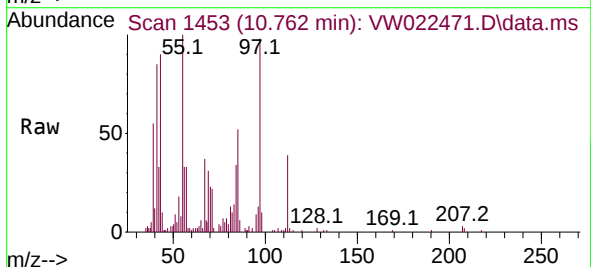
Instrument :
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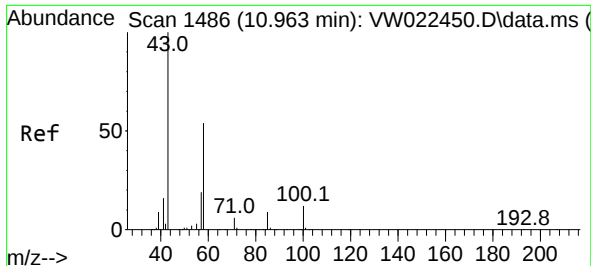
Tgt Ion: 91 Resp: 862130
Ion Ratio Lower Upper
91 100
92 59.0 38.0 70.6



#45
1,1,2-Trichloroethane
Concen: 2.044 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW022471.D
Acq: 08 Apr 2022 18:07

Tgt Ion: 97 Resp: 10291
Ion Ratio Lower Upper
97 100
99 0.0 46.0 85.4#
83 14.4 60.6 112.6#
85 53.0 39.7 73.7

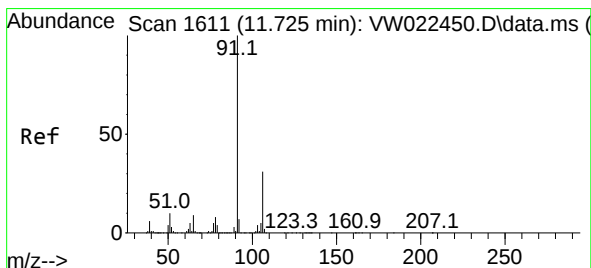
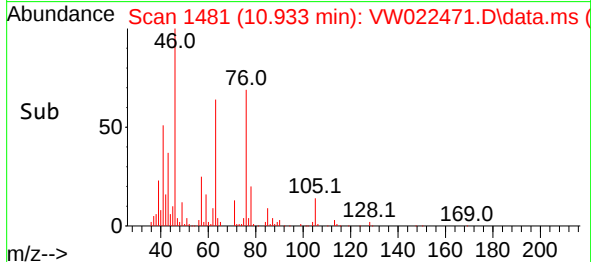
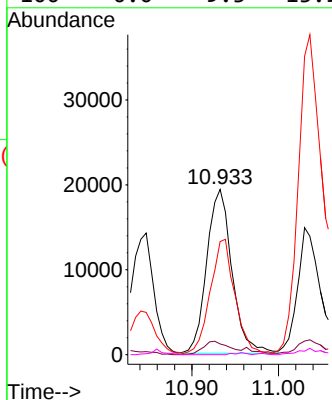
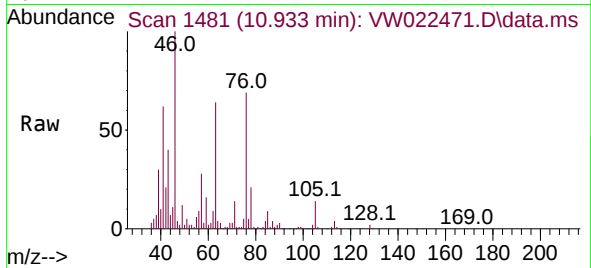




#48
2-Hexanone
Concen: 13.736 ug/L
RT: 10.933 min Scan# 1486
Delta R.T. -0.031 min
Lab File: VW022471.D
Acq: 08 Apr 2022 18:07

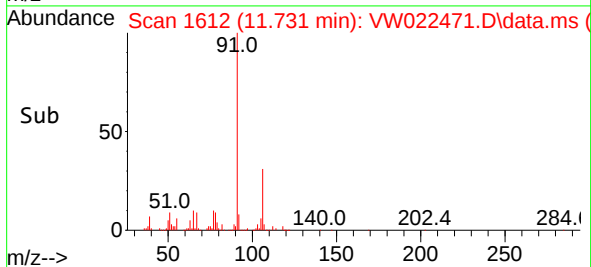
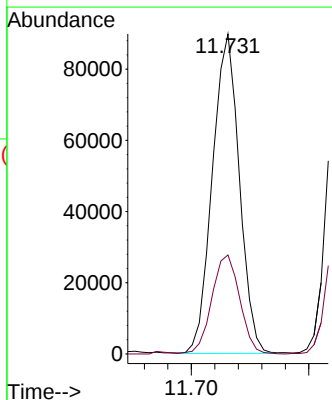
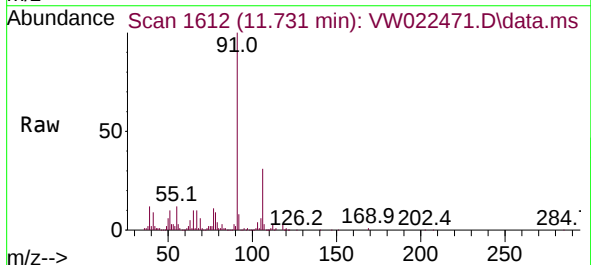
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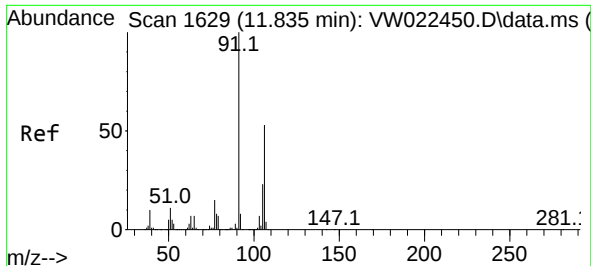
Tgt Ion: 43 Resp: 39015
Ion Ratio Lower Upper
43 100
58 8.6 41.6 62.4#
57 67.5 14.5 21.7#
100 0.0 9.3 13.9#



#52
Ethylbenzene
Concen: 4.046 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW022471.D
Acq: 08 Apr 2022 18:07

Tgt Ion: 91 Resp: 143093
Ion Ratio Lower Upper
91 100
106 31.0 20.5 38.1

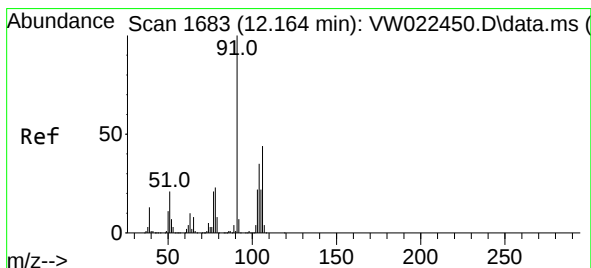
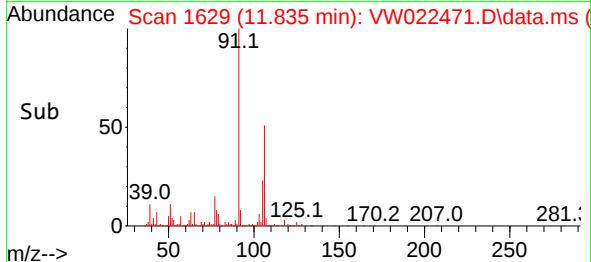
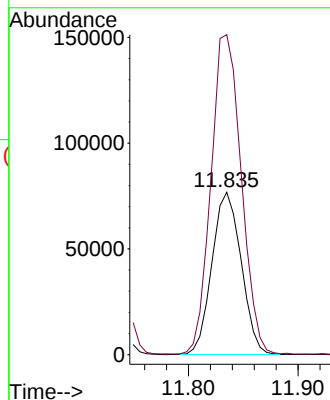
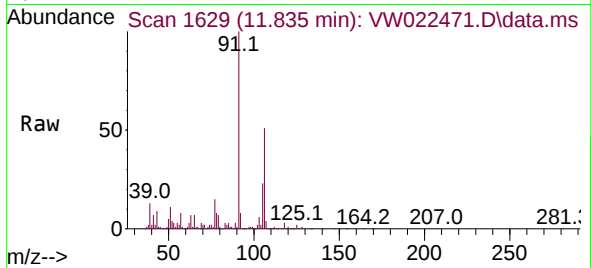




#53
m,p-Xylene
Concen: 10.572 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW022471.D
Acq: 08 Apr 2022 18:07

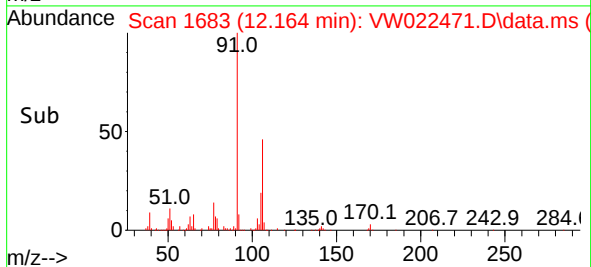
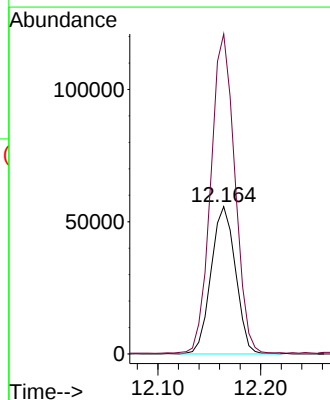
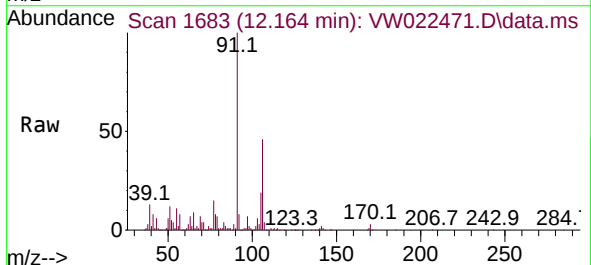
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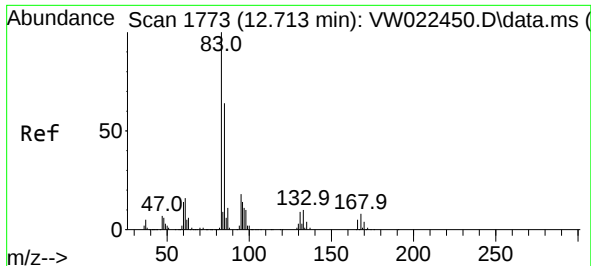
Tgt Ion:106 Resp: 142178
Ion Ratio Lower Upper
106 100
91 197.1 149.9 278.5



#54
o-Xylene
Concen: 7.154 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW022471.D
Acq: 08 Apr 2022 18:07

Tgt Ion:106 Resp: 91937
Ion Ratio Lower Upper
106 100
91 217.2 155.3 288.3





#57

1,1,2,2-Tetrachloroethane

Concen: 1.968 ug/L

RT: 12.688 min Scan# 1769

Delta R.T. -0.024 min

Lab File: VW022471.D

Acq: 08 Apr 2022 18:07

Instrument :

MSVOA_W

ClientSampleId :

ETNP7

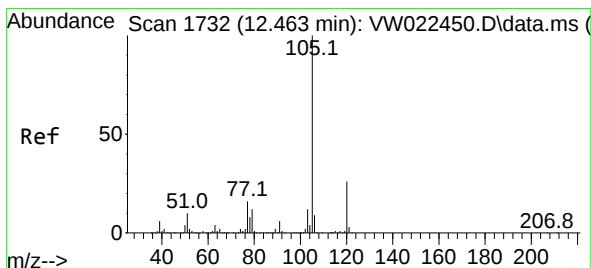
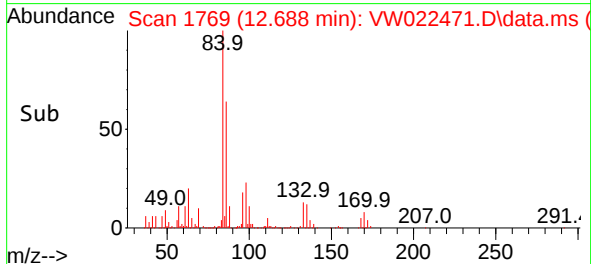
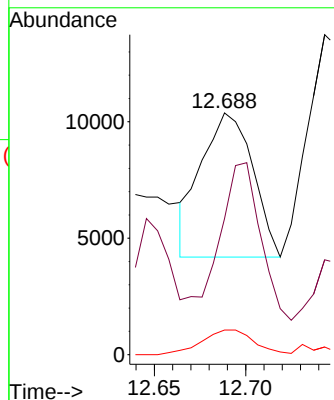
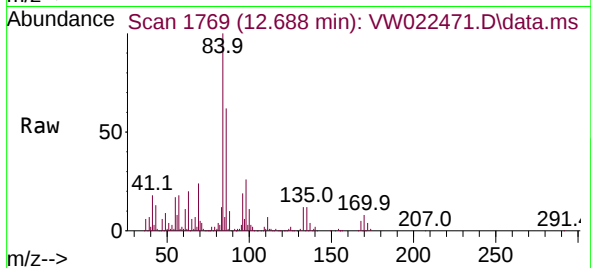
Tgt Ion: 83 Resp: 12160

Ion Ratio Lower Upper

83 100

85 56.3 45.5 84.5

131 10.2 7.8 11.8



#60

Isopropylbenzene

Concen: 2.016 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. -0.000 min

Lab File: VW022471.D

Acq: 08 Apr 2022 18:07

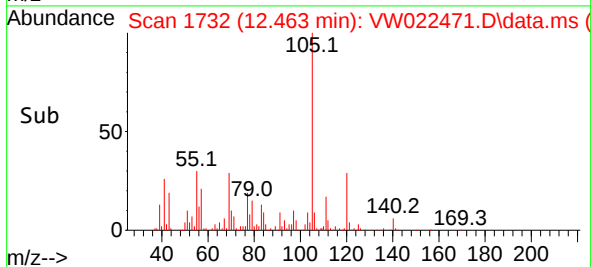
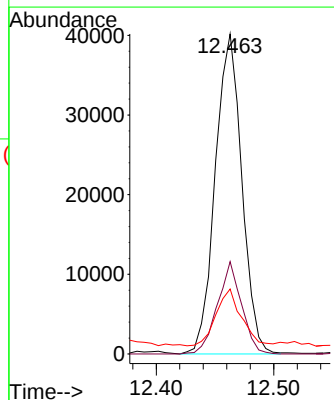
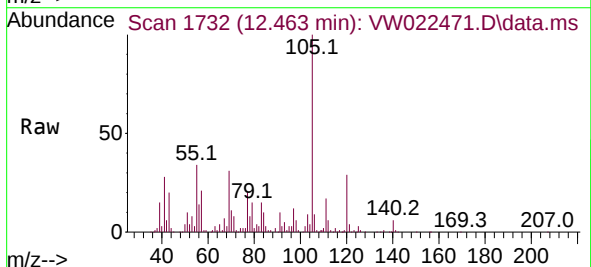
Tgt Ion:105 Resp: 63221

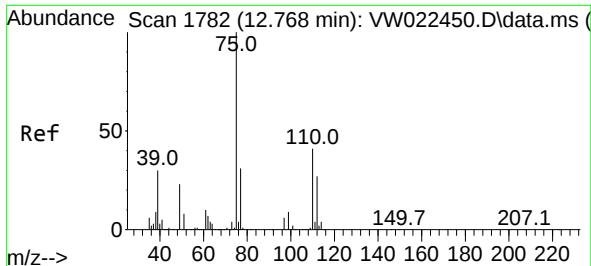
Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

77 16.8 13.7 20.5





#61

1,2,3-Trichloropropane

Concen: 2.214 ug/L

RT: 12.743 min Scan# 1

Delta R.T. -0.025 min

Lab File: VW022471.D

Acq: 08 Apr 2022 18:07

Instrument :

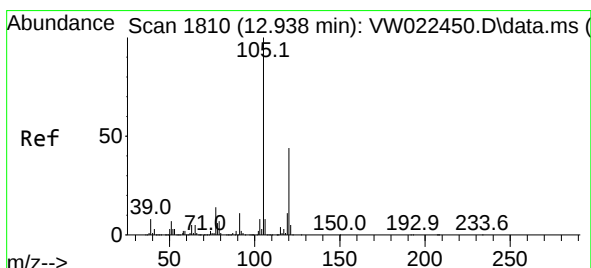
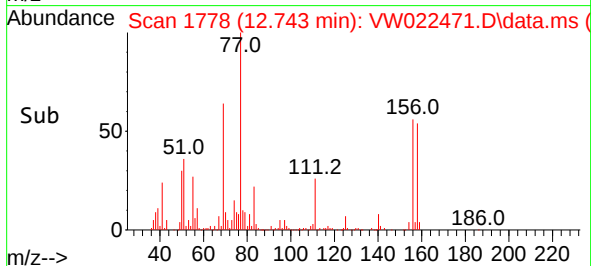
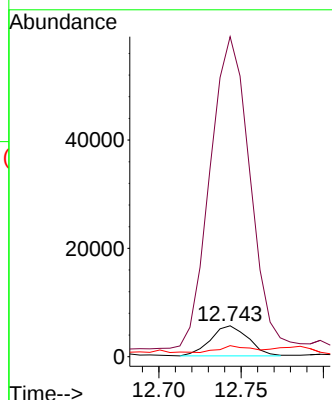
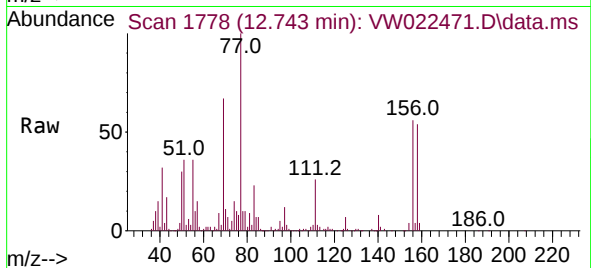
MSVOA_W

ClientSampleId :

ETNP7

Tgt Ion: 75 Resp: 8894

Ion	Ratio	Lower	Upper
75	100		
77	1094.0	25.7	38.5#
110	18.2	31.8	47.6#



#62

1,3,5-Trimethylbenzene

Concen: 2.598 ug/L

RT: 12.938 min Scan# 1810

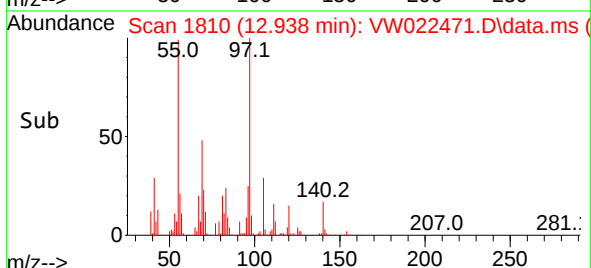
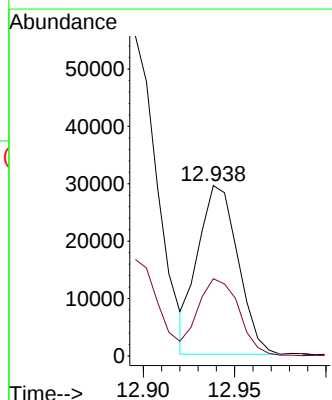
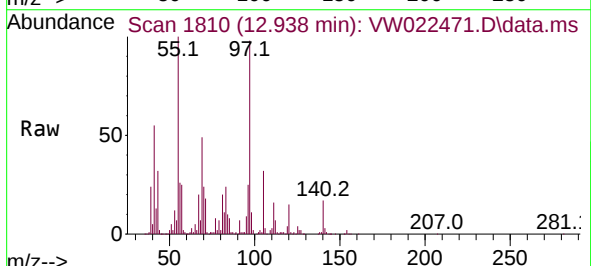
Delta R.T. -0.000 min

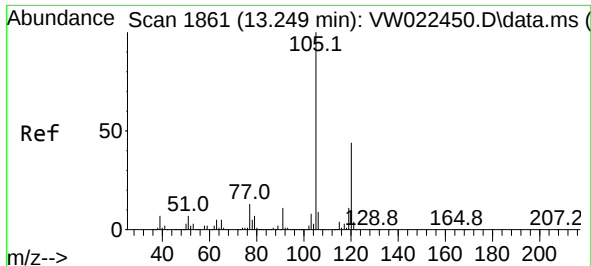
Lab File: VW022471.D

Acq: 08 Apr 2022 18:07

Tgt Ion: 105 Resp: 44821

Ion	Ratio	Lower	Upper
105	100		
120	46.5	37.5	56.3

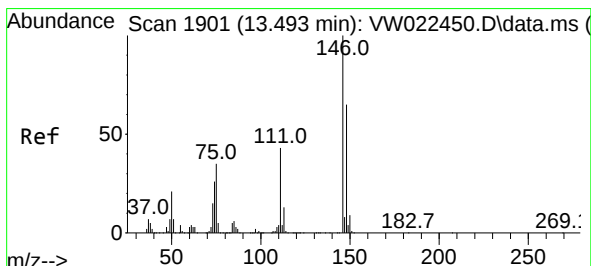
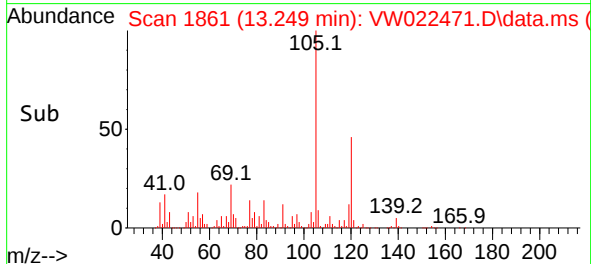
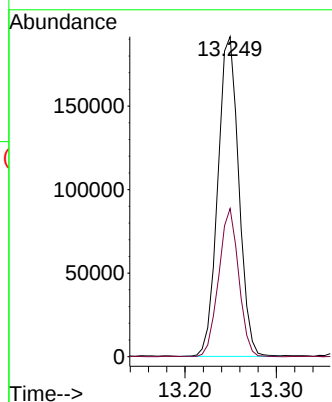
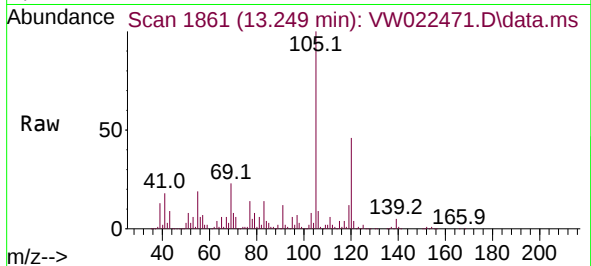




#63
1,2,4-Trimethylbenzene
Concen: 11.612 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW022471.D
Acq: 08 Apr 2022 18:07

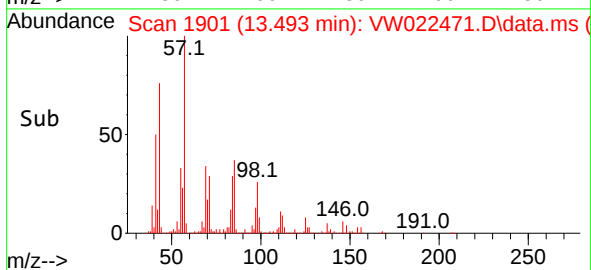
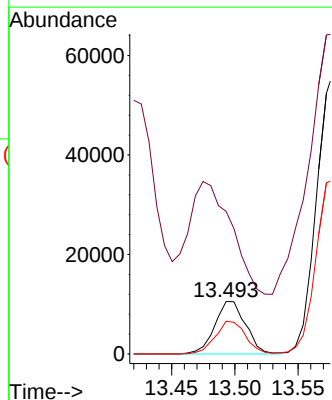
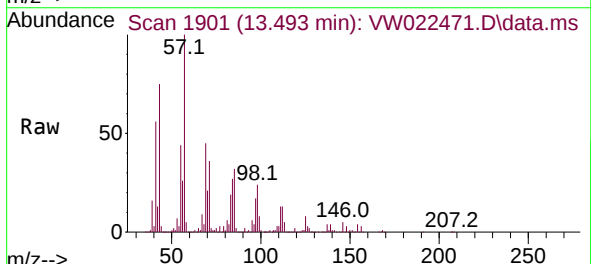
Instrument :
MSVOA_W
ClientSampleId :
ETNP7

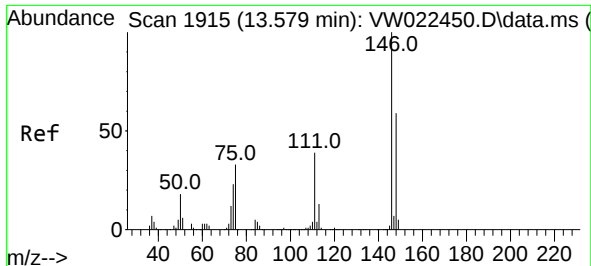
Tgt Ion:105 Resp: 304599
Ion Ratio Lower Upper
105 100
120 44.2 34.2 51.2



#64
1,3-Dichlorobenzene
Concen: 1.408 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.000 min
Lab File: VW022471.D
Acq: 08 Apr 2022 18:07

Tgt Ion:146 Resp: 17918
Ion Ratio Lower Upper
146 100
111 271.2 28.2 52.4#
148 62.6 41.9 77.7

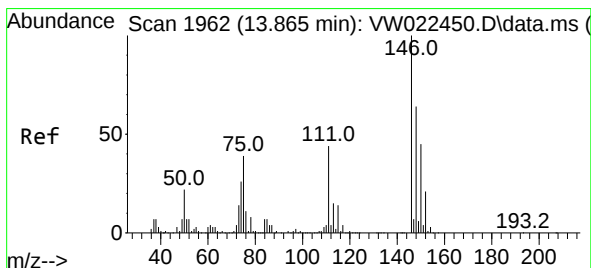
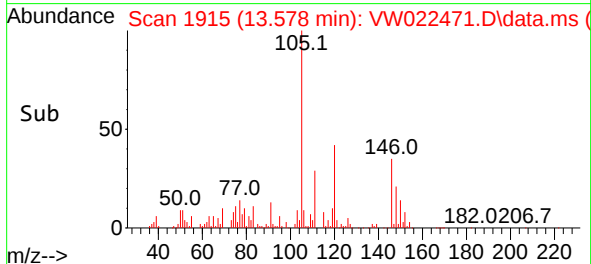
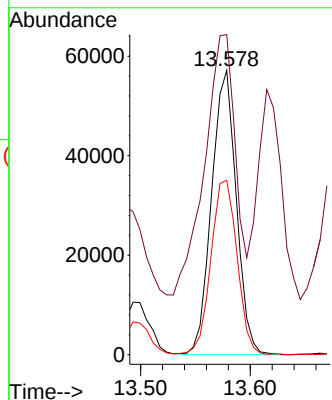
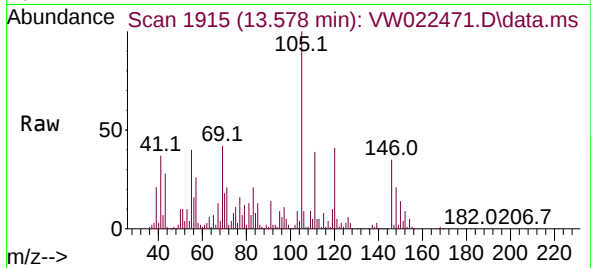




#65
1,4-Dichlorobenzene
Concen: 7.054 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW022471.D
Acq: 08 Apr 2022 18:07

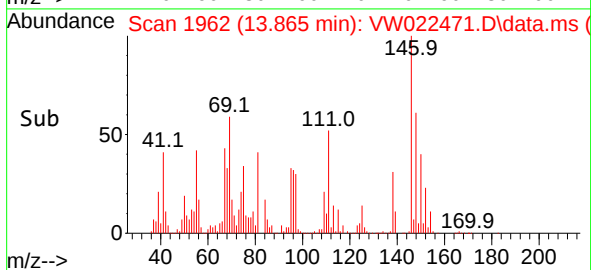
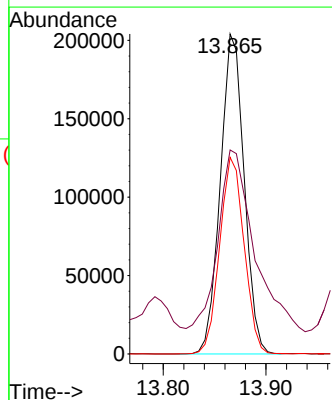
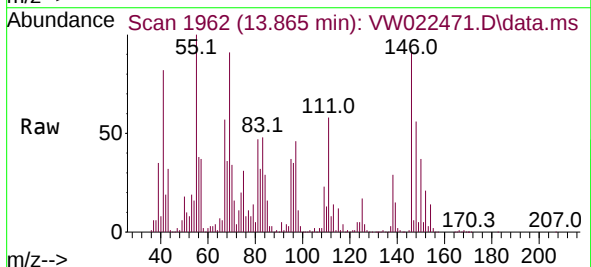
Instrument :
MSVOA_W
ClientSampleId :
ETNP7

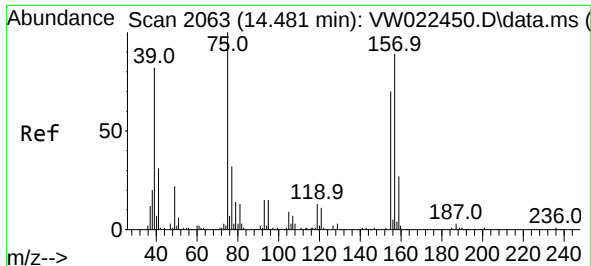
Tgt Ion:146 Resp: 89561
Ion Ratio Lower Upper
146 100
111 112.6 28.5 52.9#
148 61.3 44.4 82.4



#67
1,2-Dichlorobenzene
Concen: 28.821 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.000 min
Lab File: VW022471.D
Acq: 08 Apr 2022 18:07

Tgt Ion:146 Resp: 328121
Ion Ratio Lower Upper
146 100
111 63.7 39.0 58.4#
148 61.5 52.1 78.1

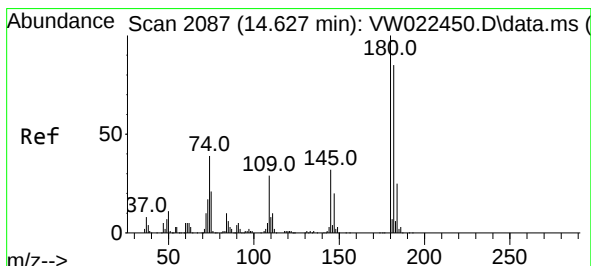
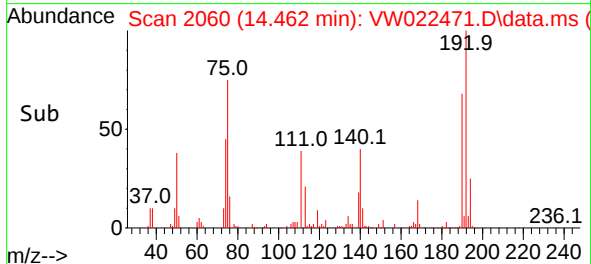
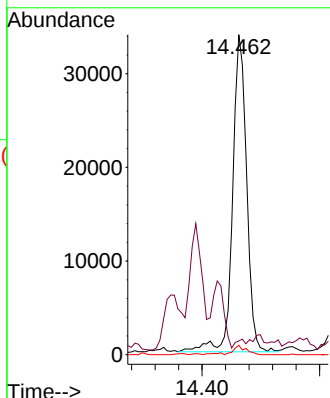
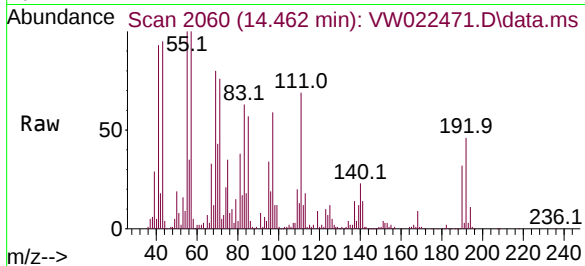




#68
1,2-Dibromo-3-chloropropane
Concen: 60.541 ug/L
RT: 14.462 min Scan# 2060
Delta R.T. -0.018 min
Lab File: VW022471.D
Acq: 08 Apr 2022 18:07

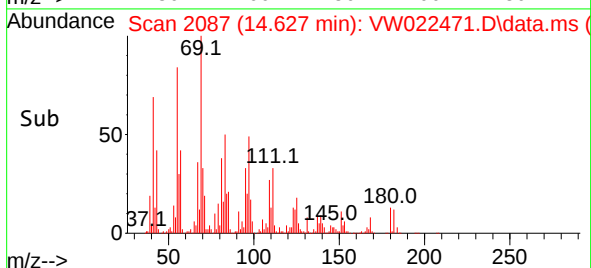
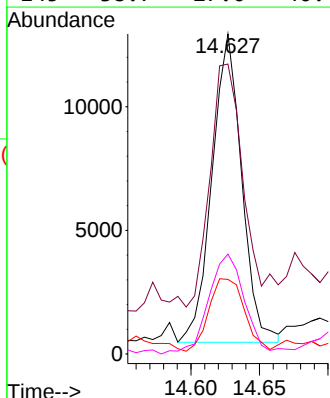
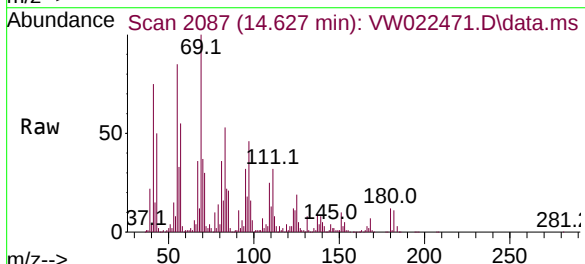
Instrument :
MSVOA_W
ClientSampleId :
ETNP7

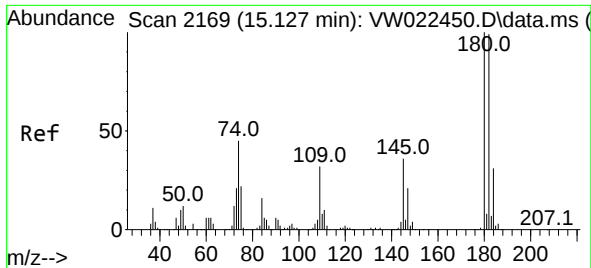
Tgt Ion: 75 Resp: 56397
Ion Ratio Lower Upper
75 100
155 4.3 55.6 83.4#
157 2.9 69.8 104.6#



#69
1,3,5-Trichlorobenzene
Concen: 2.263 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. -0.000 min
Lab File: VW022471.D
Acq: 08 Apr 2022 18:07

Tgt Ion:180 Resp: 18794
Ion Ratio Lower Upper
180 100
182 85.6 79.1 118.7
184 28.0 24.5 36.7
145 38.7 27.0 40.4

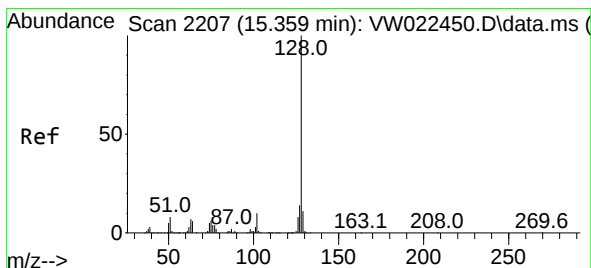
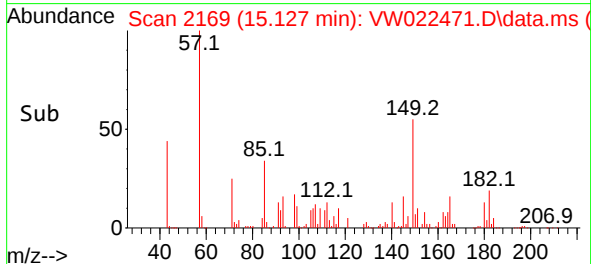
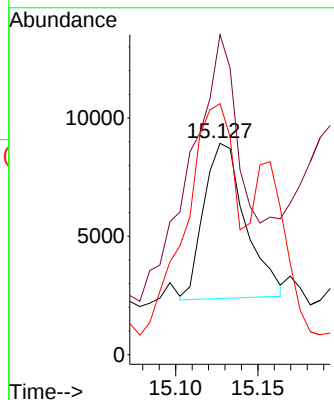
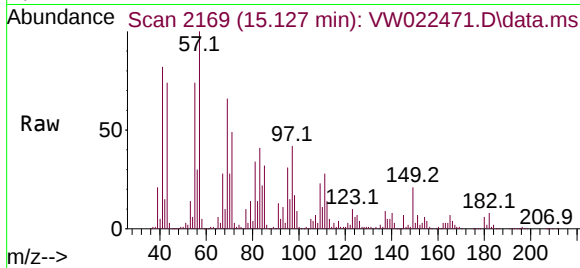




#70
1,2,4-trichlorobenzene
Concen: 1.654 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW022471.D
Acq: 08 Apr 2022 18:07

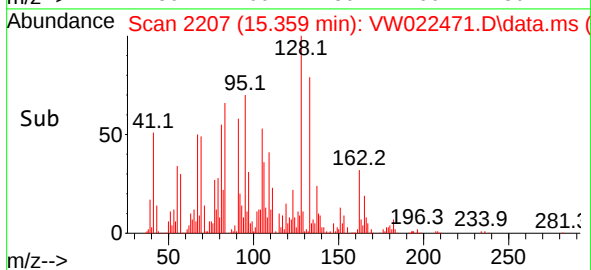
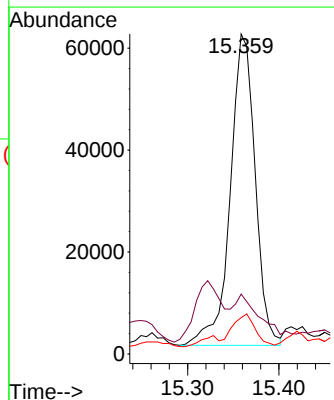
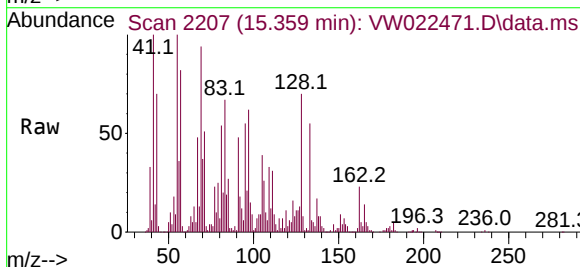
Instrument :
MSVOA_W
ClientSampleId :
ETNP7

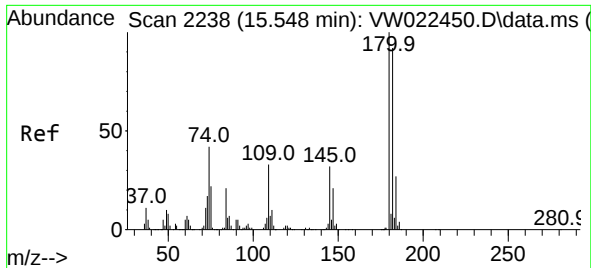
Tgt Ion:180 Resp: 11534
Ion Ratio Lower Upper
180 100
182 209.1 72.8 109.2#
145 174.0 25.5 38.3#



#71
Naphthalene
Concen: 7.876 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. -0.000 min
Lab File: VW022471.D
Acq: 08 Apr 2022 18:07

Tgt Ion:128 Resp: 115875
Ion Ratio Lower Upper
128 100
127 11.6 10.6 15.8
129 8.8 8.5 12.7





#72
 1,2,3-Trichlorobenzene
 Concen: 1.375 ug/L
 RT: 15.572 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: VW022471.D
 Acq: 08 Apr 2022 18:07

Instrument :
 MSVOA_W
 ClientSampleId :
 ETNP7

Tgt Ion:180 Resp: 8198
 Ion Ratio Lower Upper
 180 100
 182 220.4 73.4 110.0#
 145 0.0 27.0 40.6#

