

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040722\
 Data File : VW022442.D
 Acq On : 07 Apr 2022 19:20
 Operator : SY/VA
 Sample : N2293-07
 Misc : 7.28g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 08 06:34:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Apr 08 06:30:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	27380	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	25060	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	8330	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	14151	23.379	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.520%
7) Chloroethane-d5	2.898	69	7507	19.789	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.160%
11) 1,1-Dichloroethene-d2	4.025	63	14346	18.273	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.080%
21) 2-Butanone-d5	7.086	46	4777	45.204	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.400%
24) Chloroform-d	7.653	84	18774	21.937	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.760%
26) 1,2-Dichloroethane-d4	8.305	65	11877	24.290	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.160%
32) Benzene-d6	8.275	84	33889	22.134	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.520%
36) 1,2-Dichloropropane-d6	9.274	67	11616	26.217	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.880%
41) Toluene-d8	10.323	98	29402	19.608	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.440%
43) trans-1,3-Dichloroprop...	10.579	79	3787	18.110	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	72.440%
47) 2-Hexanone-d5	10.927	63	3513	42.615	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.240%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	8803	23.366	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.480%
66) 1,2-Dichlorobenzene-d4	13.853	152	6717	22.766	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.245	85	106	0.790	ug/L	# 78
13) Acetone	4.129	43	6257	86.963	ug/L	72
14) Carbon disulfide	4.397	76	3873	3.194	ug/L	# 72
22) 2-Butanone	7.183	43	643	5.917	ug/L	74
29) Cyclohexane	7.951	56	1295	1.806	ug/L	# 46
33) Benzene	8.323	78	273254	160.604	ug/L	100
35) Methylcyclohexane	9.348	83	554	0.678	ug/L	# 59
42) Toluene	10.390	91	47424	24.325	ug/L	100
51) Chlorobenzene	11.658	112	2616633	2196.268	ug/L	98
52) Ethylbenzene	11.731	91	3039	1.391	ug/L	93
53) m,p-Xylene	11.829	106	3303	3.975	ug/L	89
54) o-Xylene	12.164	106	2229	2.807	ug/L	79
60) Isopropylbenzene	12.457	105	1109	0.801	ug/L	# 32
61) 1,2,3-Trichloropropane	13.633	75	485	2.737	ug/L	91
62) 1,3,5-Trimethylbenzene	12.938	105	2639	3.468	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	7783	6.726	ug/L	93
64) 1,3-Dichlorobenzene	13.493	146	1082	1.927	ug/L	# 59
65) 1,4-Dichlorobenzene	13.579	146	5709	10.193	ug/L	# 78
67) 1,2-Dichlorobenzene	13.865	146	42167	83.958	ug/L	96

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Quant Title : SFAM01.0
QLast Update : Fri Apr 08 06:30:01 2022
Response via : Initial Calibration

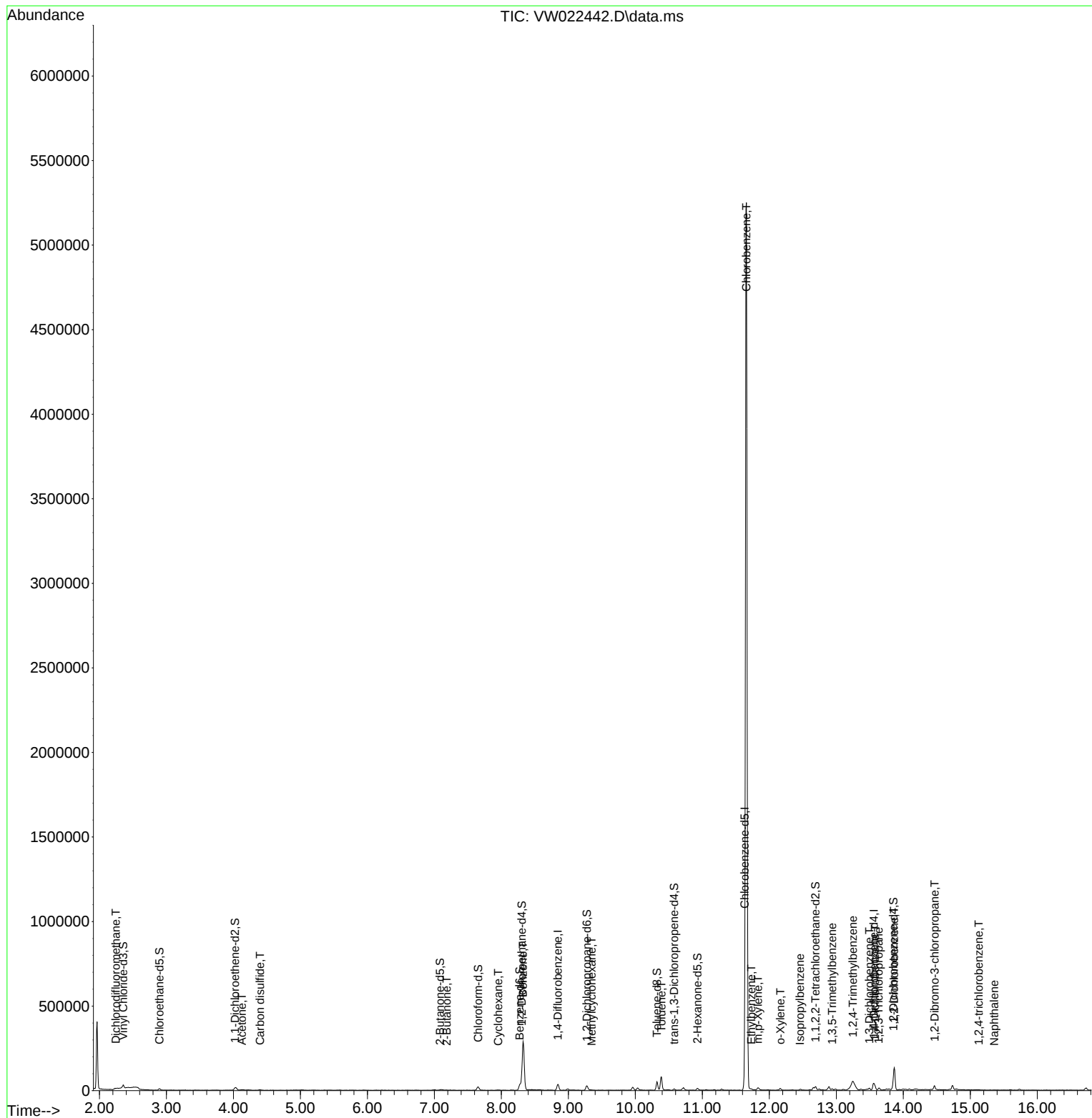
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	14.469	75	4425	107.674	ug/L #	14
70) 1,2,4-trichlorobenzene	15.127	180	288	0.936	ug/L #	79
71) Naphthalene	15.359	128	557	0.858	ug/L	98

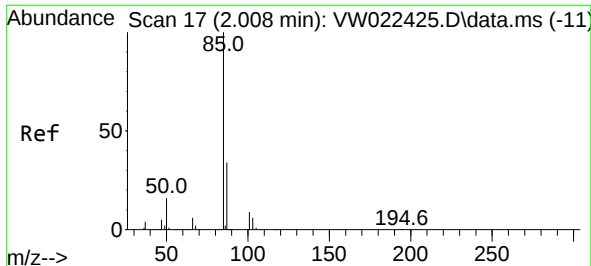
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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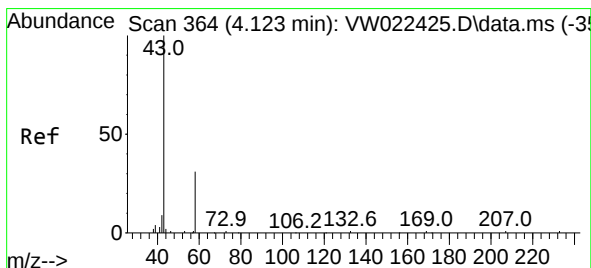
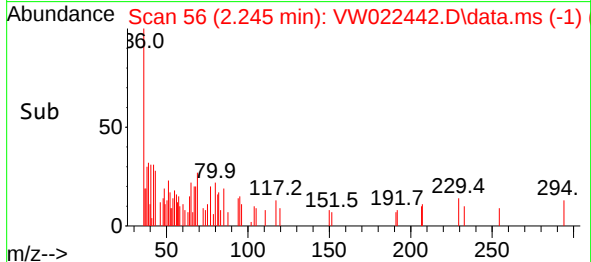
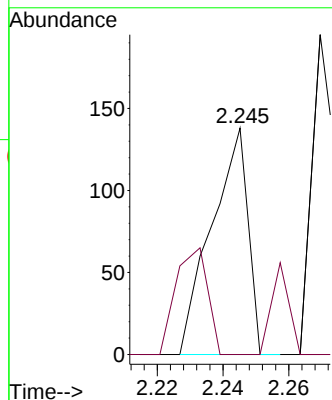
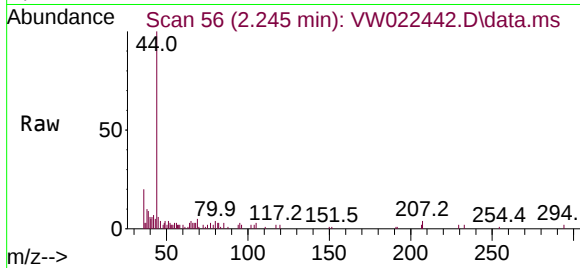




#2
 Dichlorodifluoromethane
 Concen: 0.790 ug/L
 RT: 2.245 min Scan# 50
 Delta R.T. 0.238 min
 Lab File: VW022442.D
 Acq: 07 Apr 2022 19:20

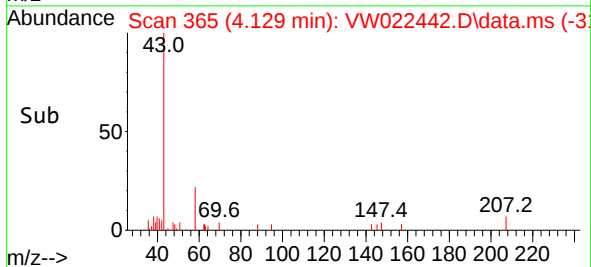
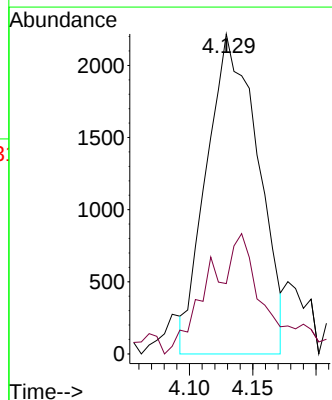
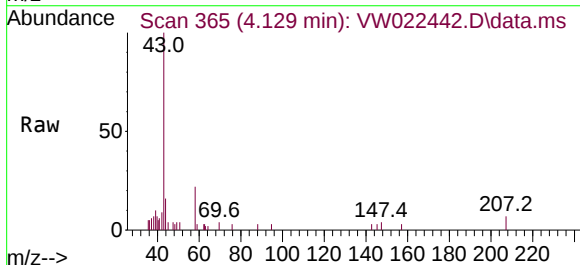
Instrument :
 MSVOA_W
 ClientSampleId :

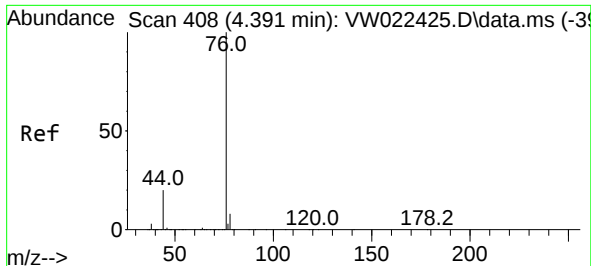
Tgt Ion: 85 Resp: 106
 Ion Ratio Lower Upper
 85 100
 87 41.5 23.7 35.5#



#13
 Acetone
 Concen: 86.963 ug/L
 RT: 4.129 min Scan# 365
 Delta R.T. 0.006 min
 Lab File: VW022442.D
 Acq: 07 Apr 2022 19:20

Tgt Ion: 43 Resp: 6257
 Ion Ratio Lower Upper
 43 100
 58 13.8 0.0 57.0

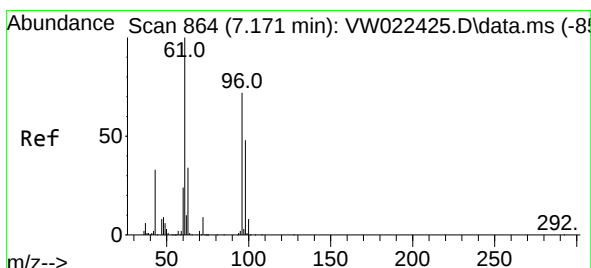
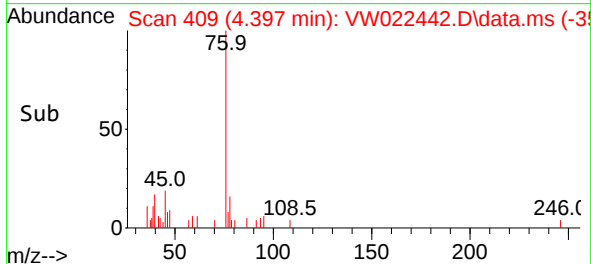
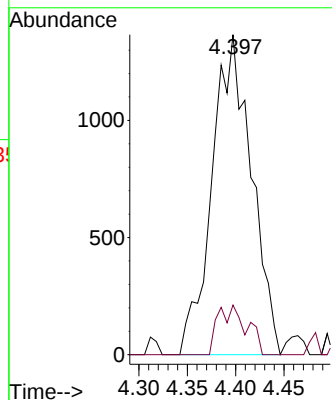
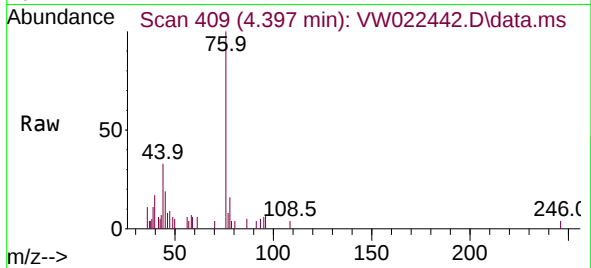




#14
Carbon disulfide
Concen: 3.194 ug/L
RT: 4.397 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW022442.D
Acq: 07 Apr 2022 19:20

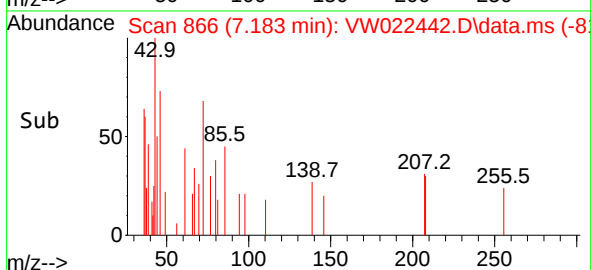
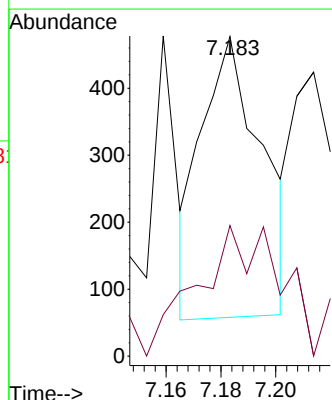
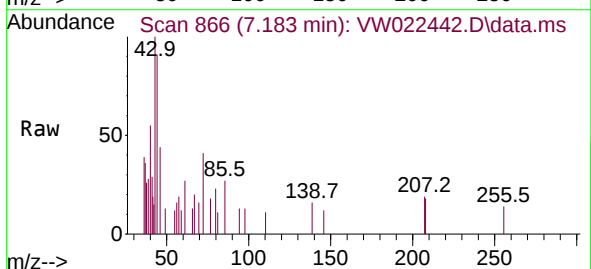
Instrument :
MSVOA_W
ClientSampleId :

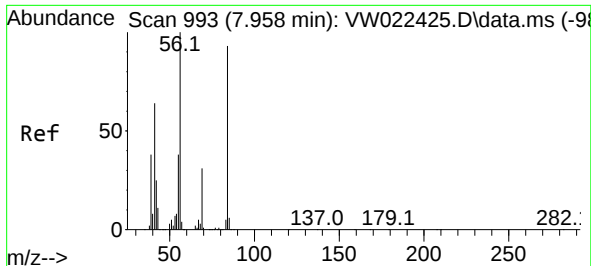
Tgt Ion: 76 Resp: 3873
Ion Ratio Lower Upper
76 100
78 19.8 7.6 11.4#



#22
2-Butanone
Concen: 5.917 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.012 min
Lab File: VW022442.D
Acq: 07 Apr 2022 19:20

Tgt Ion: 43 Resp: 643
Ion Ratio Lower Upper
43 100
72 41.7 14.0 42.0





#29

Cyclohexane

Concen: 1.806 ug/L

RT: 7.951 min Scan# 993

Delta R.T. -0.006 min

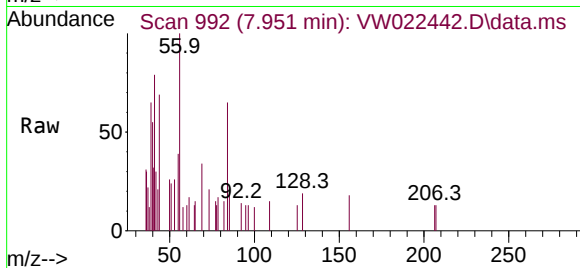
Lab File: VW022442.D

Acq: 07 Apr 2022 19:20

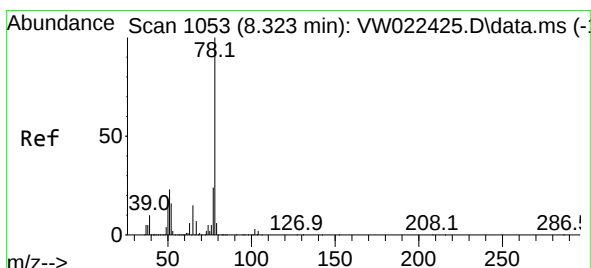
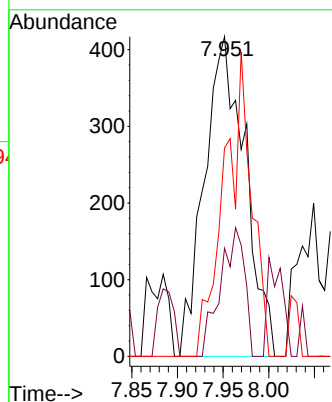
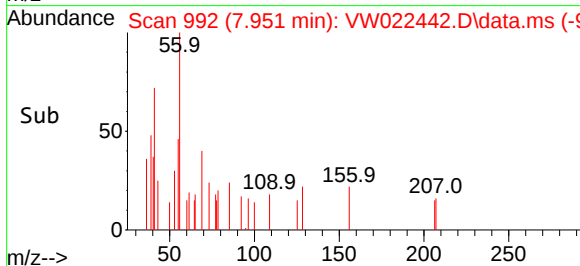
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 56	Resp: 1295
Ion Ratio	Lower Upper
56	100
69	20.7 24.4 36.6#
84	28.4 72.6 108.8#



#33

Benzene

Concen: 160.604 ug/L

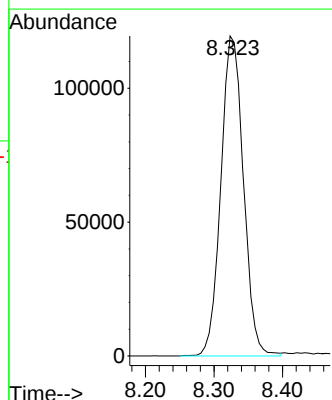
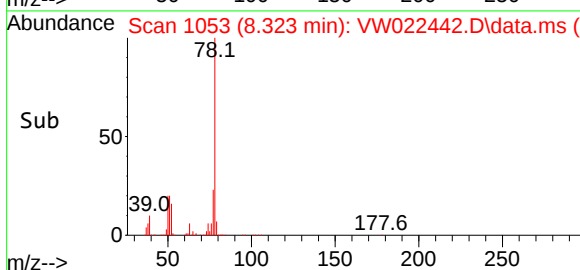
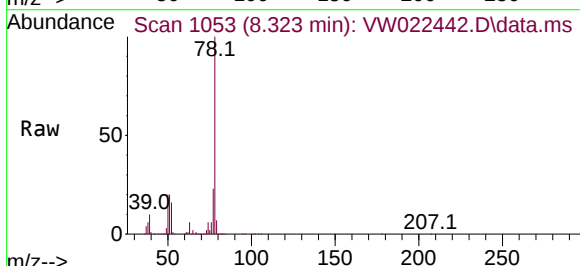
RT: 8.323 min Scan# 1053

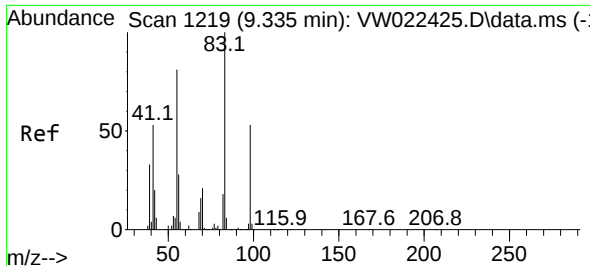
Delta R.T. -0.000 min

Lab File: VW022442.D

Acq: 07 Apr 2022 19:20

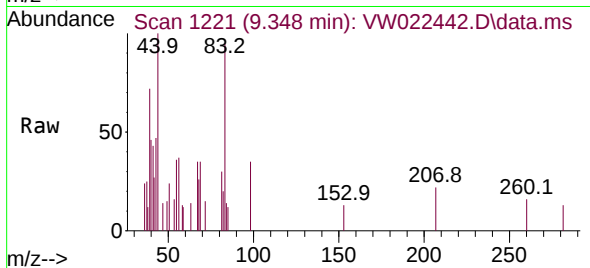
Tgt Ion: 78 Resp: 273254



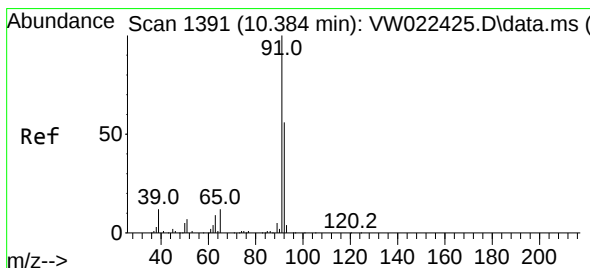
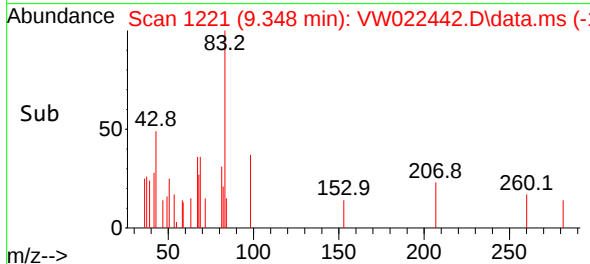
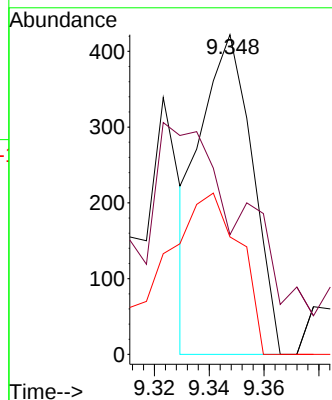


#35
Methylcyclohexane
Concen: 0.678 ug/L
RT: 9.348 min Scan# 11
Delta R.T. 0.012 min
Lab File: VW022442.D
Acq: 07 Apr 2022 19:20

Instrument :
MSVOA_W
ClientSampleId :

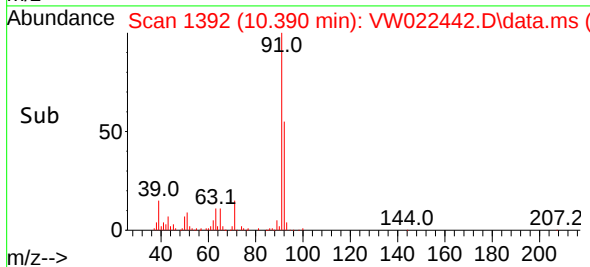
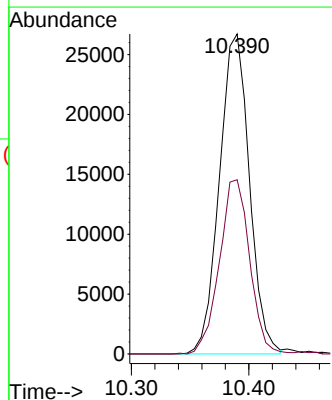
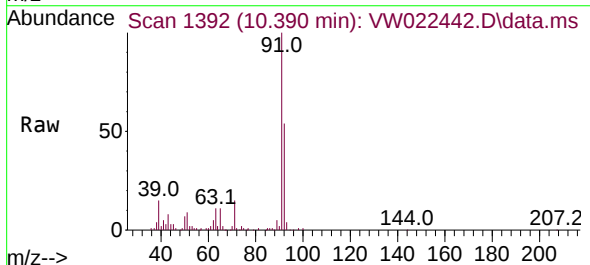


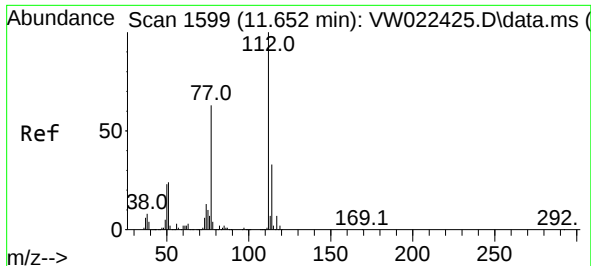
Tgt Ion: 83 Resp: 554
Ion Ratio Lower Upper
83 100
55 39.2 61.0 91.6#
98 73.8 39.2 58.8#



#42
Toluene
Concen: 24.325 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VW022442.D
Acq: 07 Apr 2022 19:20

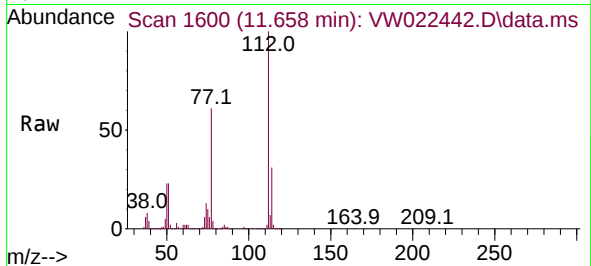
Tgt Ion: 91 Resp: 47424
Ion Ratio Lower Upper
91 100
92 54.4 38.0 70.6



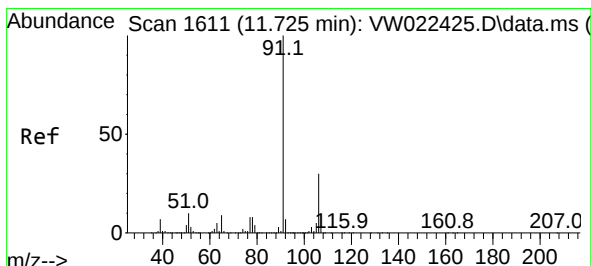
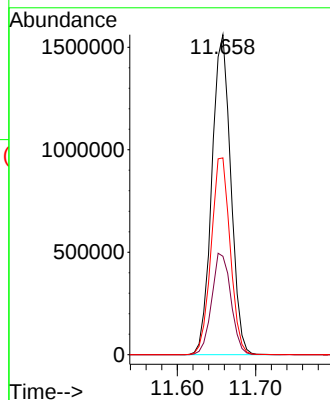
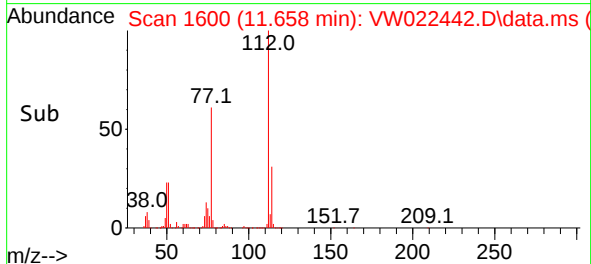


#51
Chlorobenzene
Concen: 2196.268 ug/L
RT: 11.658 min Scan# 1
Delta R.T. 0.006 min
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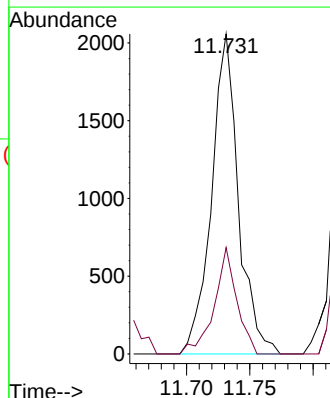
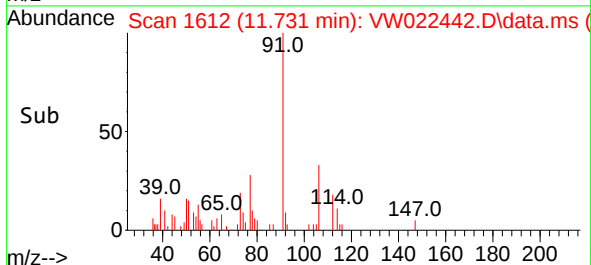
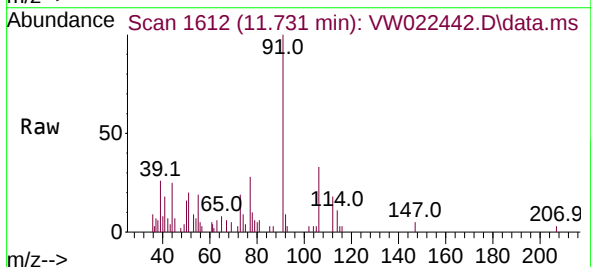


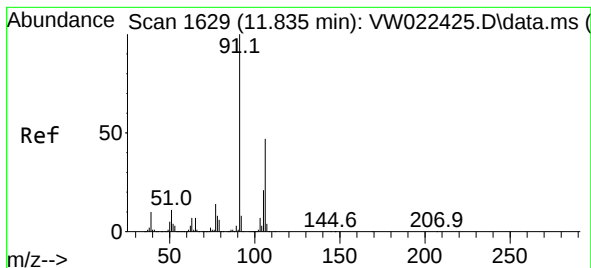
Tgt Ion:112 Resp: 2616633
Ion Ratio Lower Upper
112 100
114 30.8 20.5 38.1
77 61.5 48.1 72.1



#52
Ethylbenzene
Concen: 1.391 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW022442.D
Acq: 07 Apr 2022 19:20

Tgt Ion: 91 Resp: 3039
Ion Ratio Lower Upper
91 100
106 33.2 20.5 38.1





#53

m,p-Xylene

Concen: 3.975 ug/L

RT: 11.829 min Scan# 1628

Delta R.T. -0.006 min

Lab File: VW022442.D

Acq: 07 Apr 2022 19:20

Instrument :

MSVOA_W

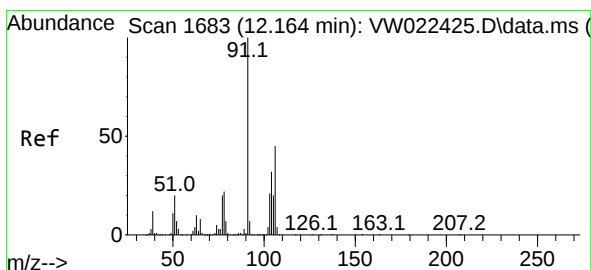
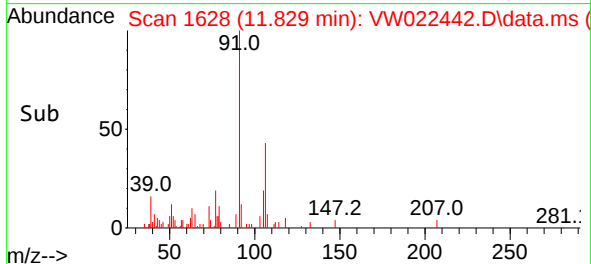
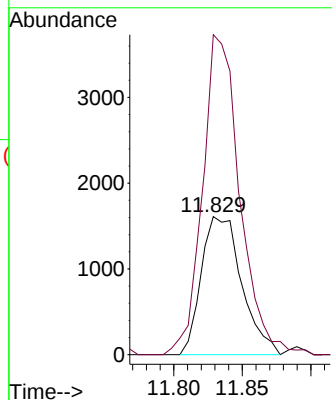
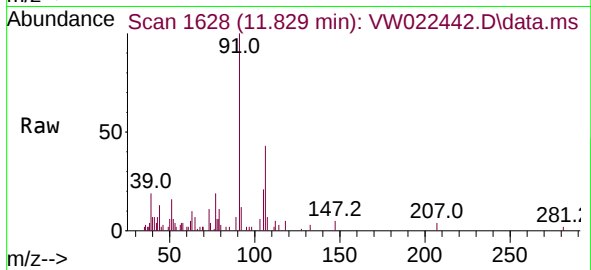
ClientSampleId :

Tgt Ion:106 Resp: 3303

Ion Ratio Lower Upper

106 100

91 231.8 149.9 278.5



#54

o-Xylene

Concen: 2.807 ug/L

RT: 12.164 min Scan# 1683

Delta R.T. -0.000 min

Lab File: VW022442.D

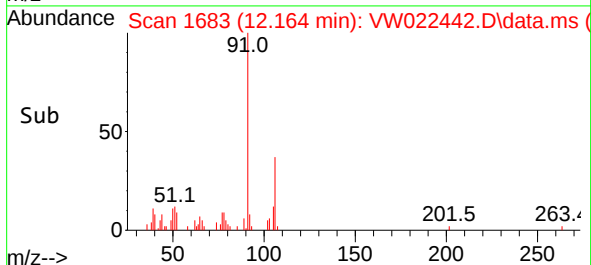
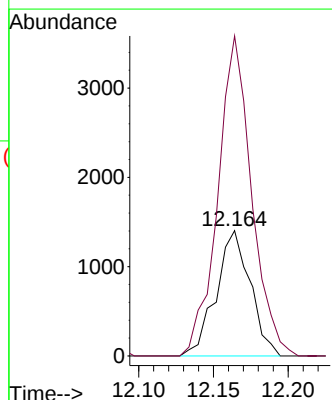
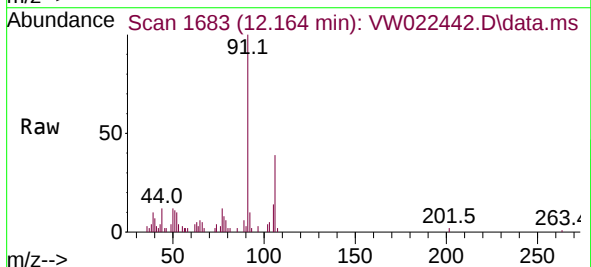
Acq: 07 Apr 2022 19:20

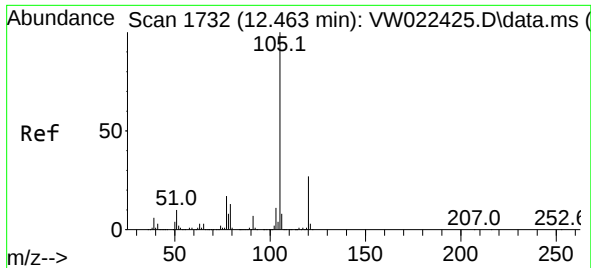
Tgt Ion:106 Resp: 2229

Ion Ratio Lower Upper

106 100

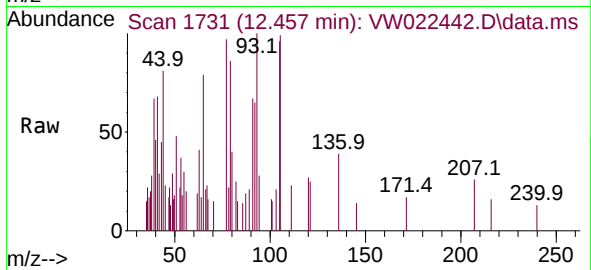
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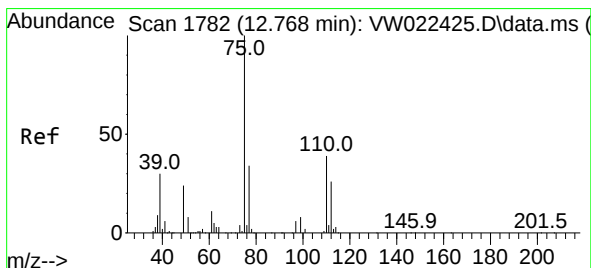
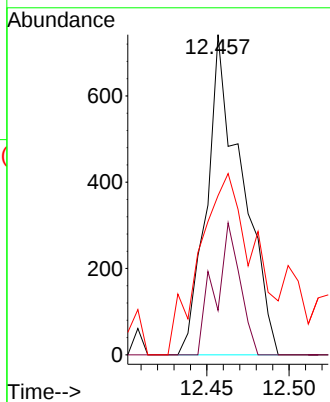
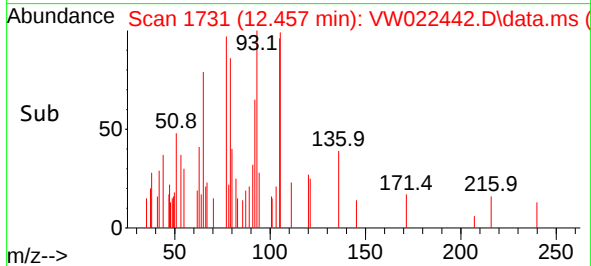


#60
Isopropylbenzene
Concen: 0.801 ug/L
RT: 12.457 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VW022442.D
Acq: 07 Apr 2022 19:20

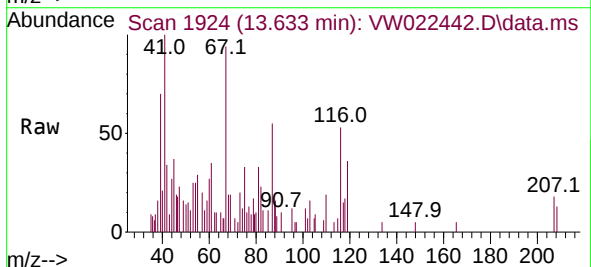
Instrument :
MSVOA_W
ClientSampleId :



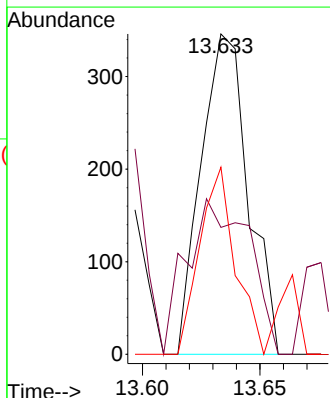
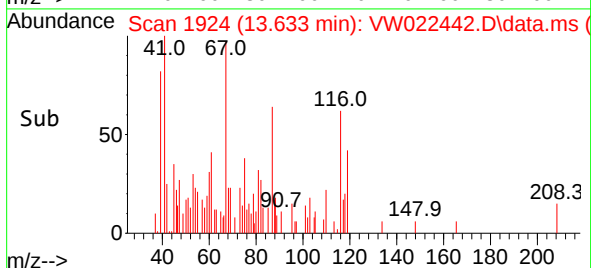
Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.9	20.9	31.3
77	87.6	13.7	20.5

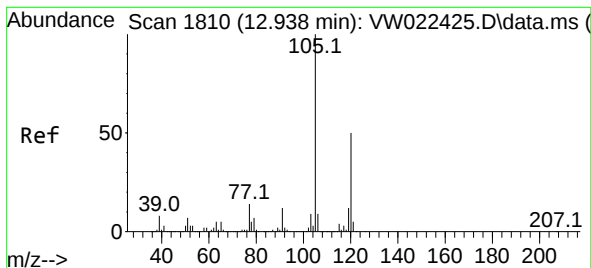


#61
1,2,3-Trichloropropane
Concen: 2.737 ug/L
RT: 13.633 min Scan# 1924
Delta R.T. 0.866 min
Lab File: VW022442.D
Acq: 07 Apr 2022 19:20



Tgt Ion	Ratio	Lower	Upper
75	100		
77	38.1	25.7	38.5
110	43.9	31.8	47.6

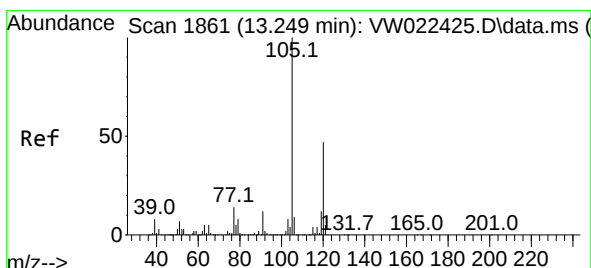
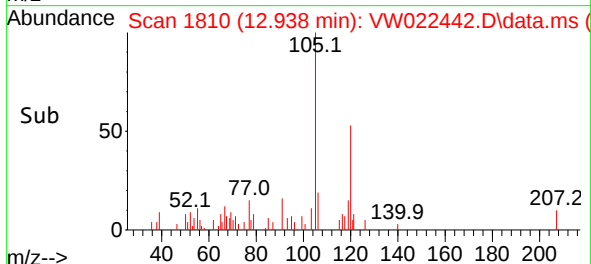
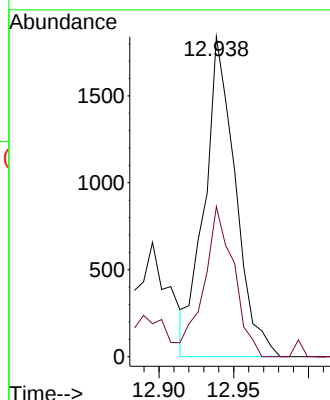
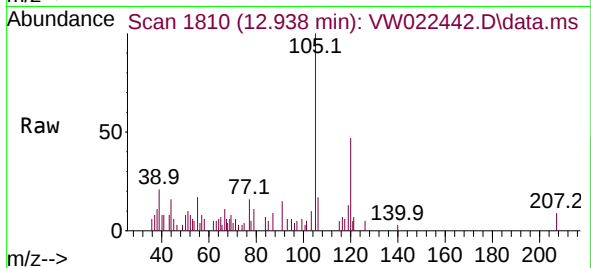




#62
1,3,5-Trimethylbenzene
Concen: 3.468 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VW022442.D
Acq: 07 Apr 2022 19:20

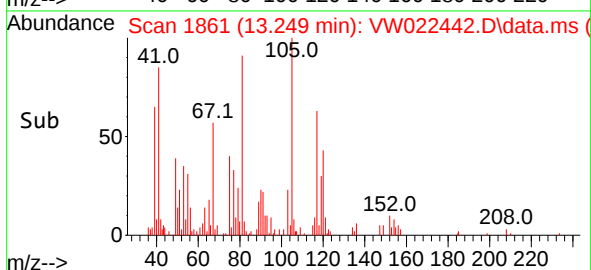
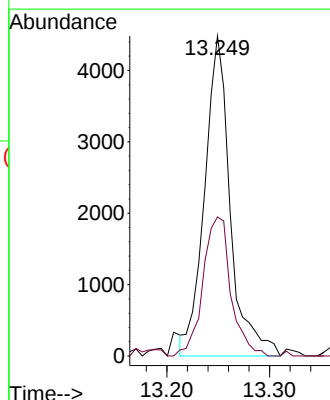
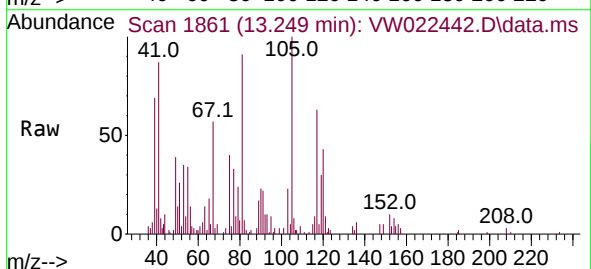
Instrument :
MSVOA_W
ClientSampleId :

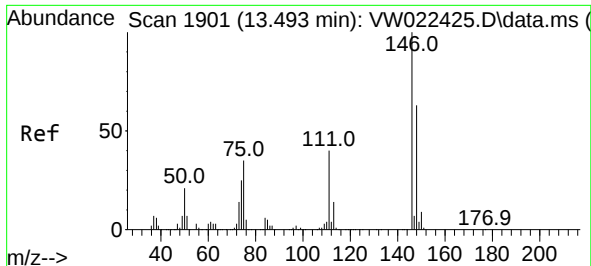
Tgt Ion:105 Resp: 2639
Ion Ratio Lower Upper
105 100
120 45.1 37.5 56.3



#63
1,2,4-Trimethylbenzene
Concen: 6.726 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW022442.D
Acq: 07 Apr 2022 19:20

Tgt Ion:105 Resp: 7783
Ion Ratio Lower Upper
105 100
120 47.1 34.2 51.2

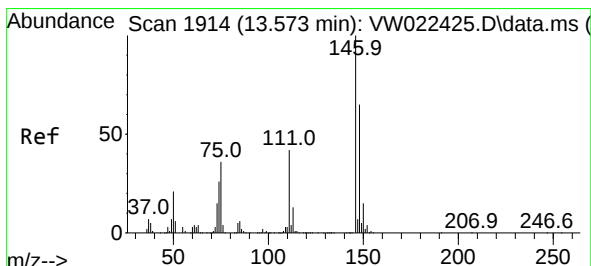
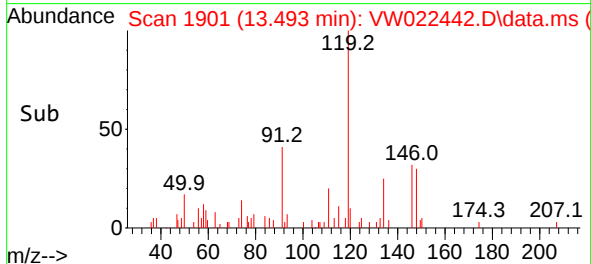
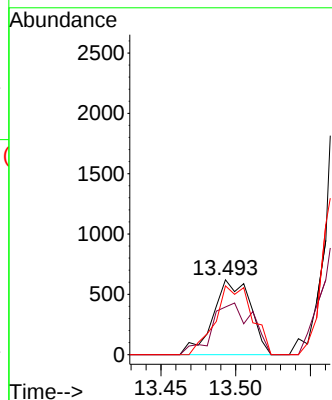
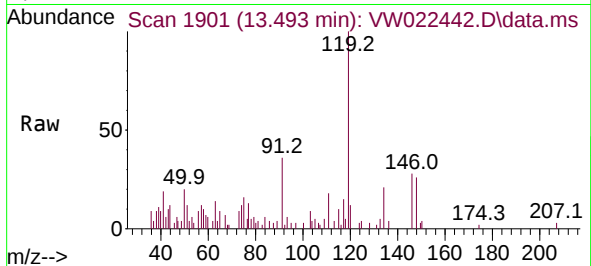




#64
1,3-Dichlorobenzene
Concen: 1.927 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.000 min
Lab File: VW022442.D
Acq: 07 Apr 2022 19:20

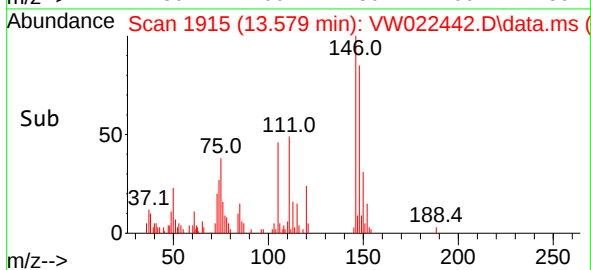
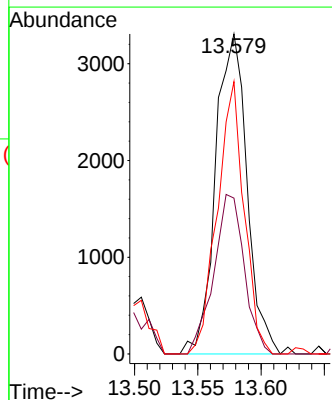
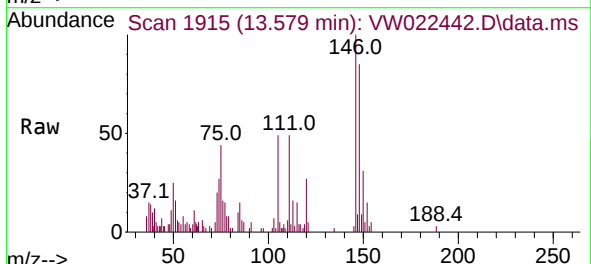
Instrument :
MSVOA_W
ClientSampleId :

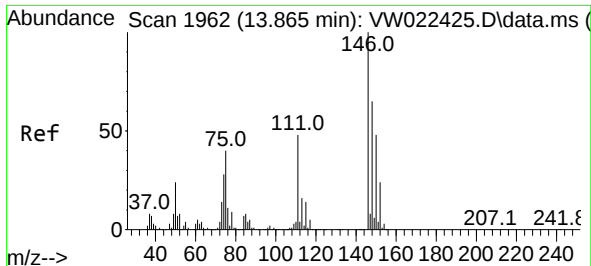
Tgt Ion:146 Resp: 1082
Ion Ratio Lower Upper
146 100
111 63.7 28.2 52.4#
148 91.9 41.9 77.7#



#65
1,4-Dichlorobenzene
Concen: 10.193 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW022442.D
Acq: 07 Apr 2022 19:20

Tgt Ion:146 Resp: 5709
Ion Ratio Lower Upper
146 100
111 48.7 28.5 52.9
148 85.1 44.4 82.4#





#67

1,2-Dichlorobenzene

Concen: 83.958 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW022442.D

Acq: 07 Apr 2022 19:20

Instrument :

MSVOA_W

ClientSampleId :

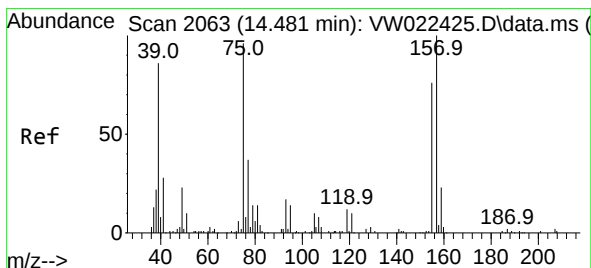
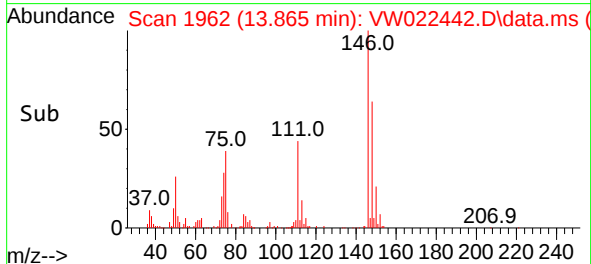
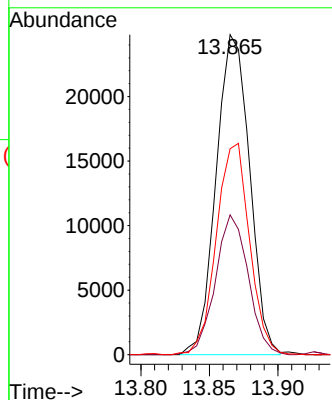
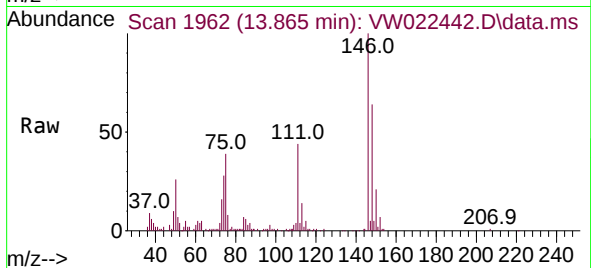
Tgt Ion:146 Resp: 42167

Ion Ratio Lower Upper

146 100

111 43.7 39.0 58.4

148 64.3 52.1 78.1



#68

1,2-Dibromo-3-chloropropane

Concen: 107.674 ug/L

RT: 14.469 min Scan# 2061

Delta R.T. -0.012 min

Lab File: VW022442.D

Acq: 07 Apr 2022 19:20

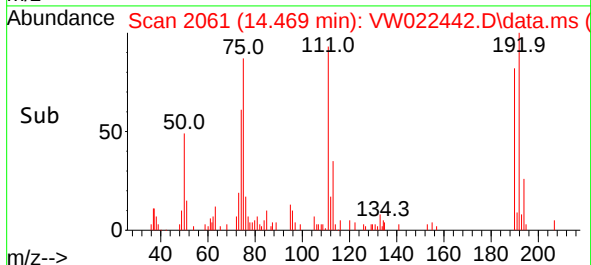
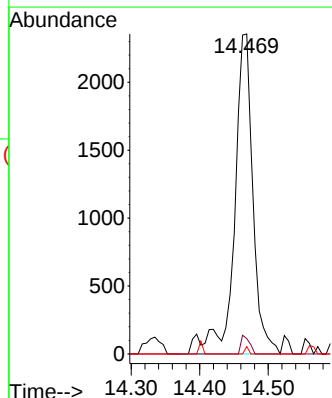
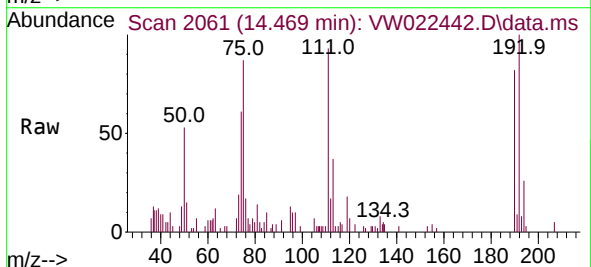
Tgt Ion: 75 Resp: 4425

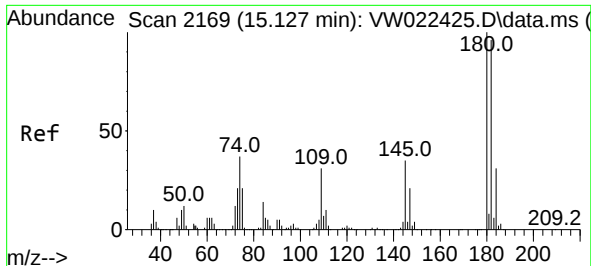
Ion Ratio Lower Upper

75 100

155 4.8 55.6 83.4#

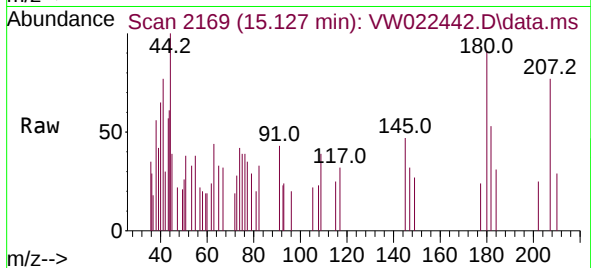
157 2.3 69.8 104.6#



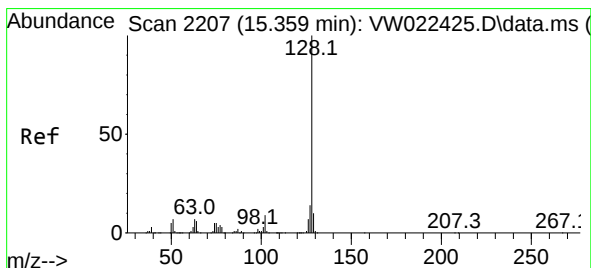
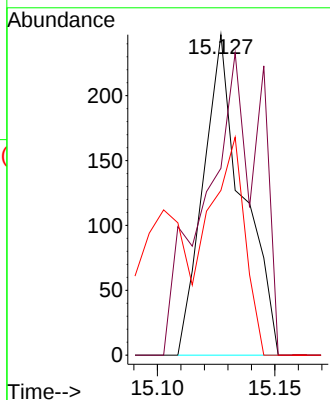
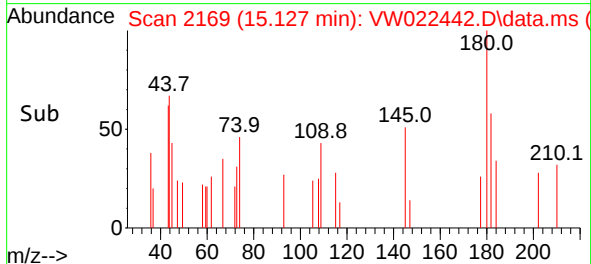


#70
1,2,4-trichlorobenzene
Concen: 0.936 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW022442.D
Acq: 07 Apr 2022 19:20

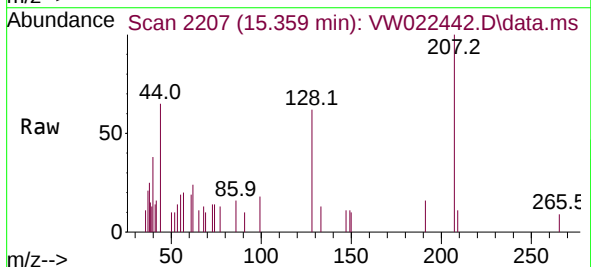
Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:180 Resp: 288
Ion Ratio Lower Upper
180 100
182 101.7 72.8 109.2
145 59.4 25.5 38.3#



#71
Naphthalene
Concen: 0.858 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. -0.000 min
Lab File: VW022442.D
Acq: 07 Apr 2022 19:20



Tgt Ion:128 Resp: 557
Ion Ratio Lower Upper
128 100
127 12.6 10.6 15.8
129 10.1 8.5 12.7

