

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040722\
 Data File : VW022443.D
 Acq On : 07 Apr 2022 19:44
 Operator : SY/VA
 Sample : N2293-08
 Misc : 6.78g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 08 06:34:31 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	370933	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.646	117	435250	25.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	13.554	152	149278	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	159959	19.507	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.040%
7) Chloroethane-d5	2.885	69	100519	19.559	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.240%
11) 1,1-Dichloroethene-d2	4.019	63	133653	12.566	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	50.280%
21) 2-Butanone-d5	7.074	46	81787	57.128	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.260%
24) Chloroform-d	7.647	84	250255	21.585	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.320%
26) 1,2-Dichloroethane-d4	8.305	65	162636	24.551	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.200%
32) Benzene-d6	8.275	84	460172	17.305	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	69.200%
36) 1,2-Dichloropropane-d6	9.274	67	153544	19.953	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	79.800%
41) Toluene-d8	10.323	98	432576	16.609	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	66.440%
43) trans-1,3-Dichloroprop...	10.579	79	63363	17.447	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.800%
47) 2-Hexanone-d5	10.921	63	69067	48.239	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.480%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	139276	21.285	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.160%
66) 1,2-Dichlorobenzene-d4	13.908	152	149	0.028	ug/L	0.05
Spiked Amount	25.000	Range	75 - 120	Recovery	=	0.120%#
Target Compounds						Qvalue
13) Acetone	4.123	43	83702	85.870	ug/L	95
14) Carbon disulfide	4.385	76	35446	2.157	ug/L	98
20) cis-1,2-Dichloroethene	7.165	96	3446	0.558	ug/L #	100
22) 2-Butanone	7.177	43	20842	14.157	ug/L	95
29) Cyclohexane	7.958	56	9842	0.790	ug/L #	82
33) Benzene	8.323	78	4038410	136.660	ug/L	100
42) Toluene	10.384	91	644332	19.028	ug/L	95
52) Ethylbenzene	11.731	91	36119	0.952	ug/L	96
53) m,p-Xylene	11.829	106	43755	3.032	ug/L	87
54) o-Xylene	12.164	106	31459	2.281	ug/L	96
60) Isopropylbenzene	12.896	105	11349	0.458	ug/L	96
61) 1,2,3-Trichloropropane	12.737	75	3178	1.001	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.938	105	34187	2.507	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	95850	4.622	ug/L	99
64) 1,3-Dichlorobenzene	13.493	146	18568	1.845	ug/L	91
65) 1,4-Dichlorobenzene	13.579	146	98965	9.860	ug/L	96
67) 1,2-Dichlorobenzene	13.865	146	793984	88.216	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.463	75	93490	126.944	ug/L #	12
70) 1,2,4-trichlorobenzene	15.127	180	15435	2.799	ug/L #	72

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

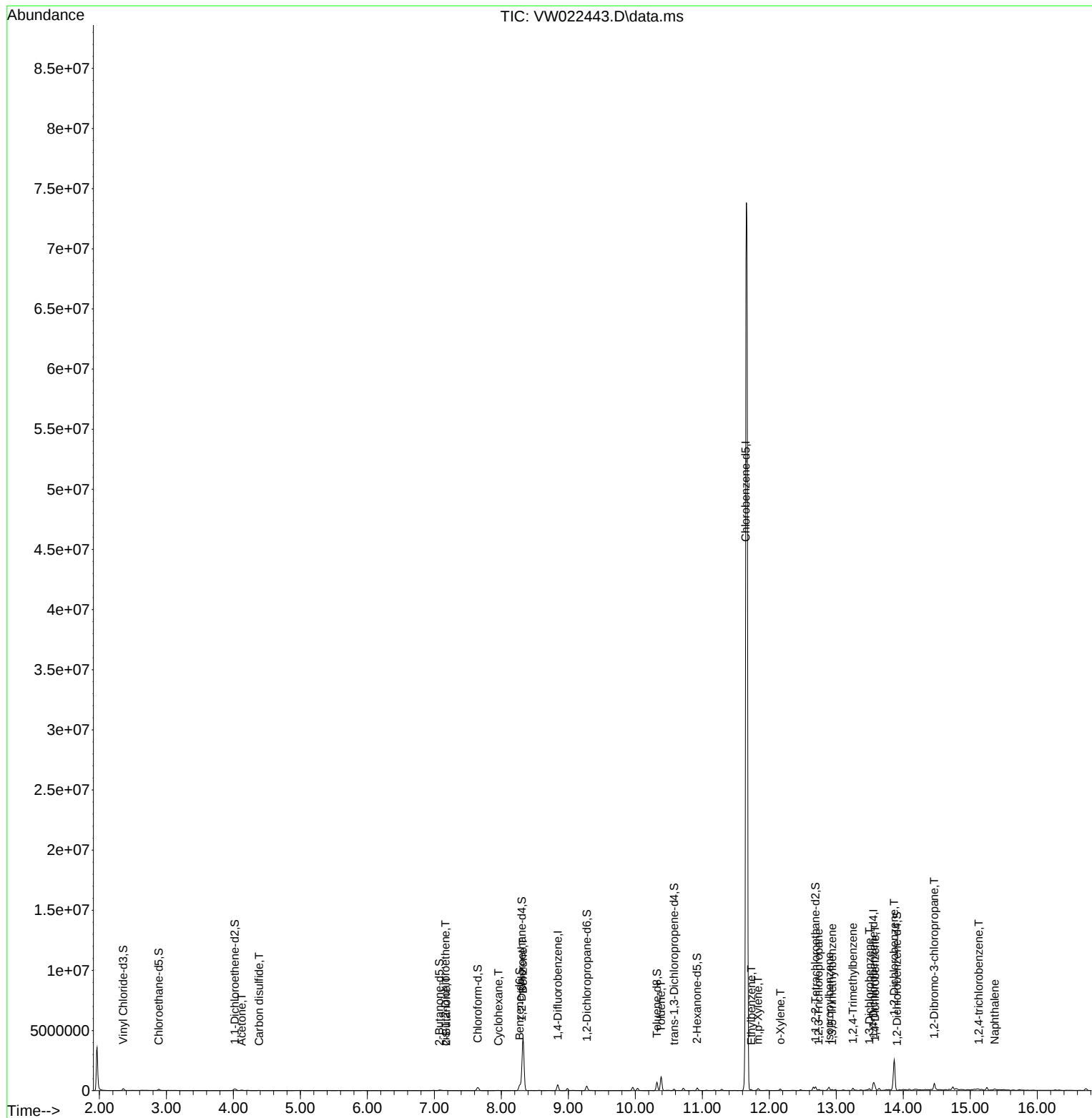
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	15.365	128	59881	5.148	ug/L	98

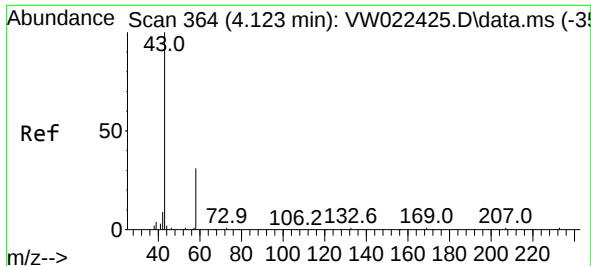
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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Response via : Initial Calibration





#13

Acetone

Concen: 85.870 ug/L

RT: 4.123 min Scan# 3

Delta R.T. -0.000 min

Lab File: VW022443.D

Acq: 07 Apr 2022 19:44

Instrument :

MSVOA_W

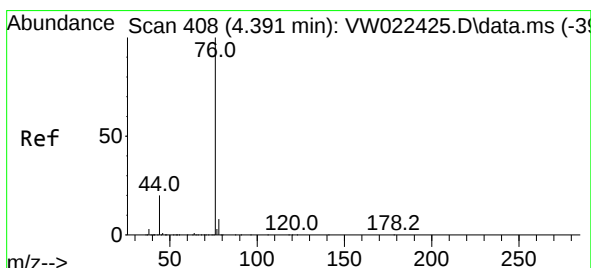
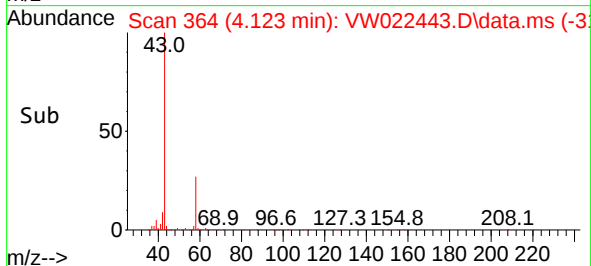
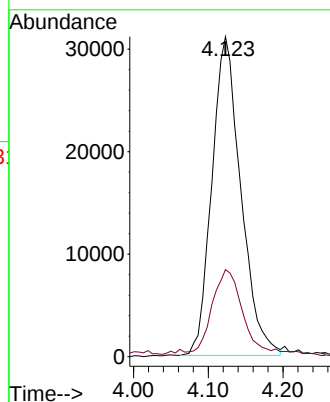
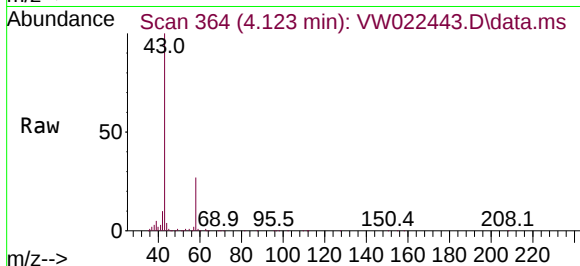
ClientSampleId :

Tgt Ion: 43 Resp: 83702

Ion Ratio Lower Upper

43 100

58 25.9 0.0 57.0



#14

Carbon disulfide

Concen: 2.157 ug/L

RT: 4.385 min Scan# 407

Delta R.T. -0.006 min

Lab File: VW022443.D

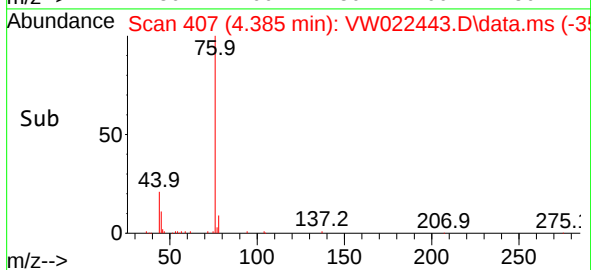
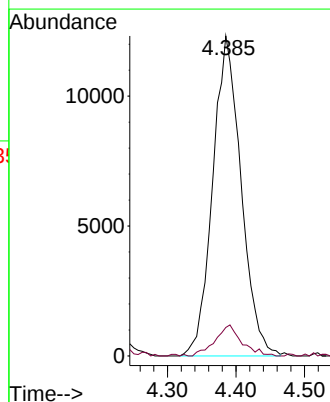
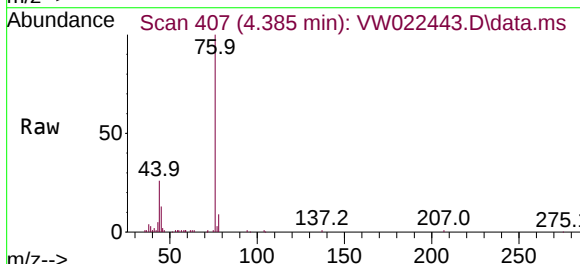
Acq: 07 Apr 2022 19:44

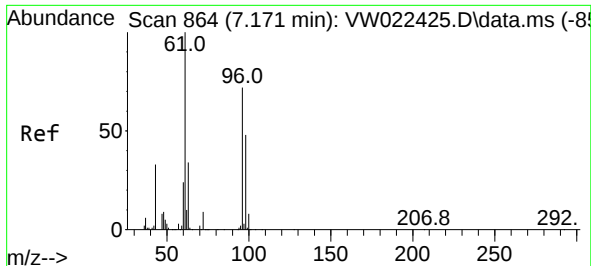
Tgt Ion: 76 Resp: 35446

Ion Ratio Lower Upper

76 100

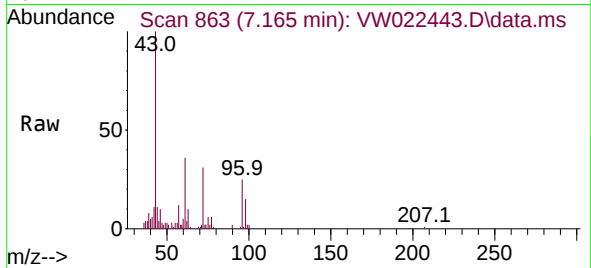
78 8.9 7.6 11.4



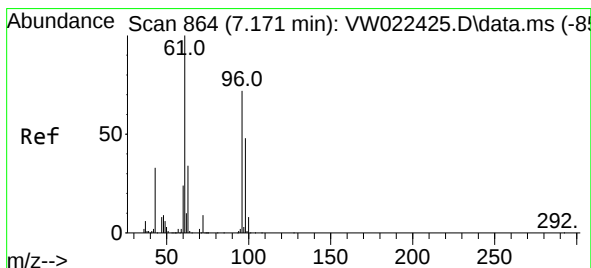
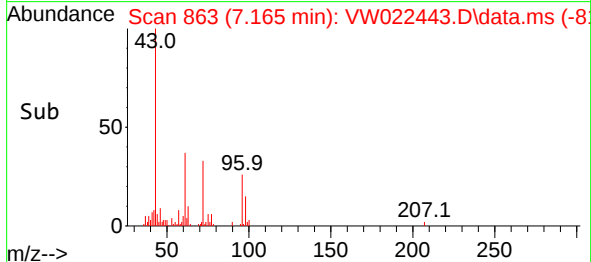
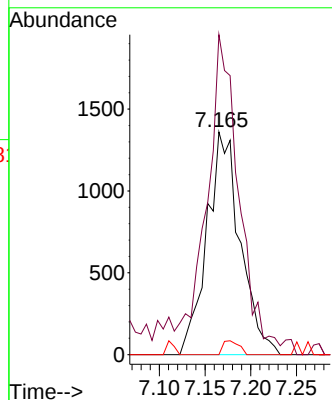


#20
 cis-1,2-Dichloroethene
 Concen: 0.558 ug/L
 RT: 7.165 min Scan# 863
 Delta R.T. -0.006 min
 Lab File: VW022443.D
 Acq: 07 Apr 2022 19:44

Instrument :
 MSVOA_W
 ClientSampleId :

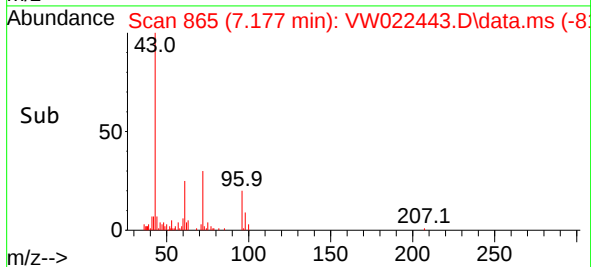
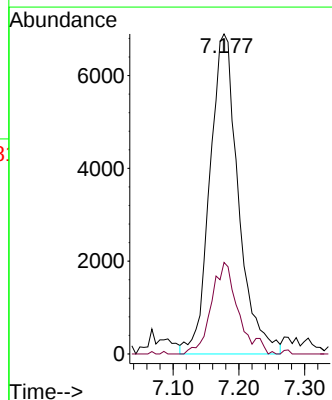
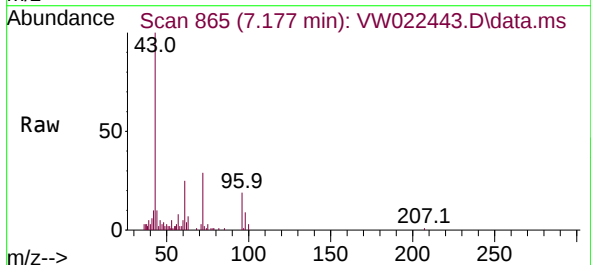


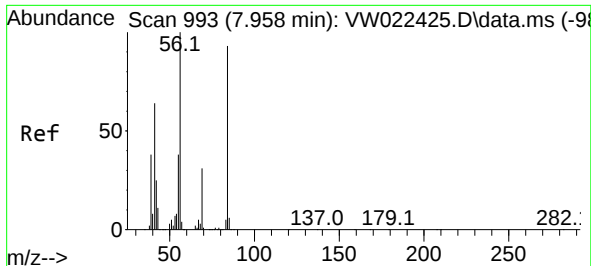
Tgt Ion: 96 Resp: 3446
 Ion Ratio Lower Upper
 96 100
 61 138.1 96.4 179.0
 68 0.0 0.1 0.3#



#22
 2-Butanone
 Concen: 14.157 ug/L
 RT: 7.177 min Scan# 865
 Delta R.T. 0.006 min
 Lab File: VW022443.D
 Acq: 07 Apr 2022 19:44

Tgt Ion: 43 Resp: 20842
 Ion Ratio Lower Upper
 43 100
 72 25.3 14.0 42.0





#29

Cyclohexane

Concen: 0.790 ug/L

RT: 7.958 min Scan# 993

Delta R.T. -0.000 min

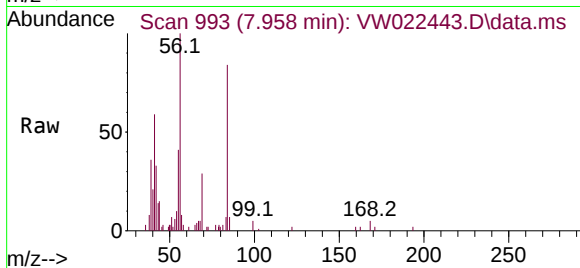
Lab File: VW022443.D

Acq: 07 Apr 2022 19:44

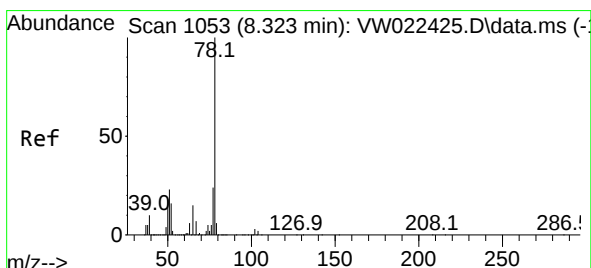
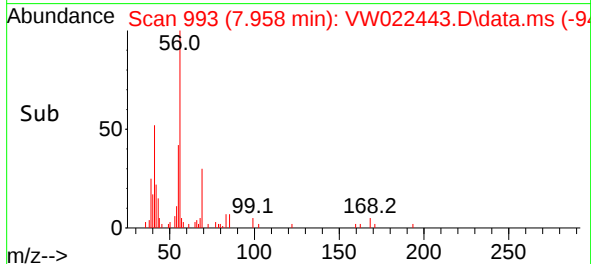
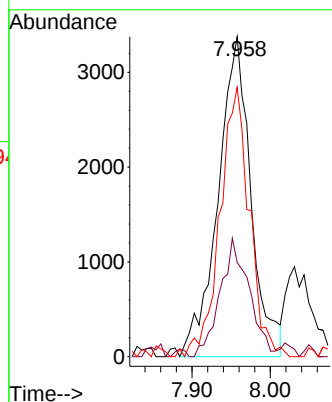
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 56	Resp: 9842
Ion Ratio	Lower Upper
56	100
69	32.4 24.4 36.6
84	69.2 72.6 108.8



#33

Benzene

Concen: 136.660 ug/L

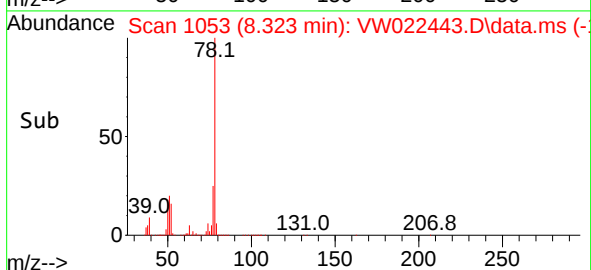
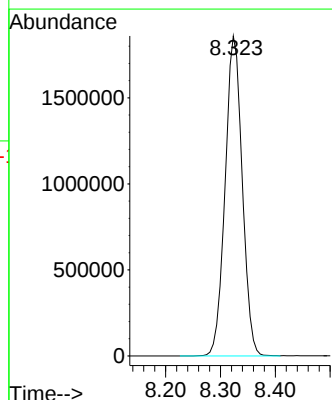
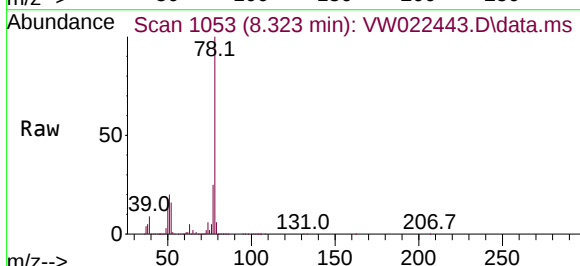
RT: 8.323 min Scan# 1053

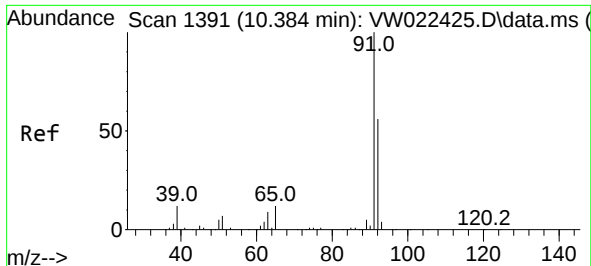
Delta R.T. -0.000 min

Lab File: VW022443.D

Acq: 07 Apr 2022 19:44

Tgt Ion: 78 Resp: 4038410

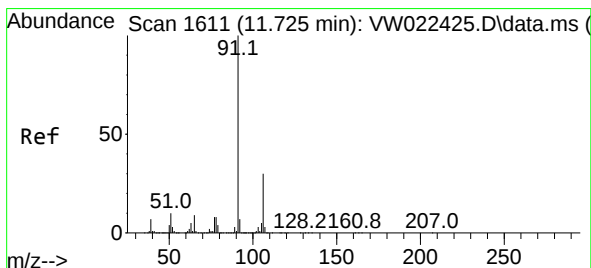
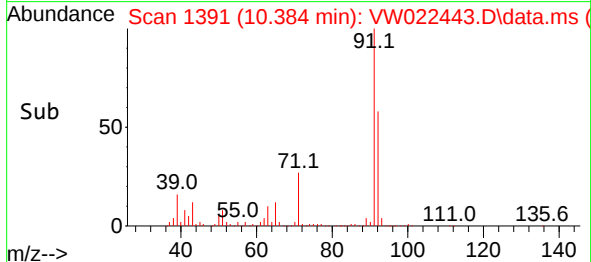
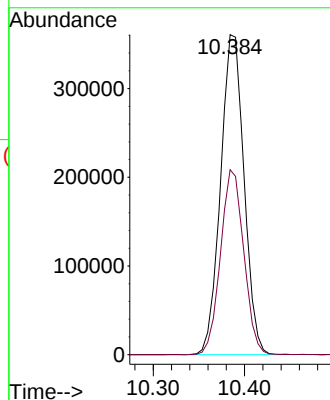
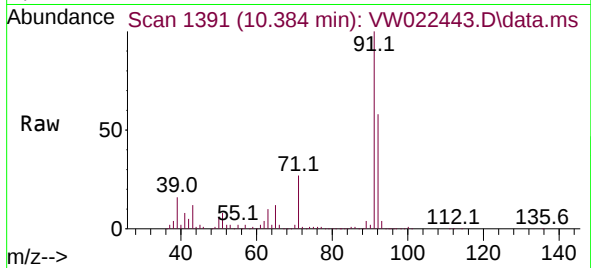




#42
Toluene
Concen: 19.028 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VW022443.D
Acq: 07 Apr 2022 19:44

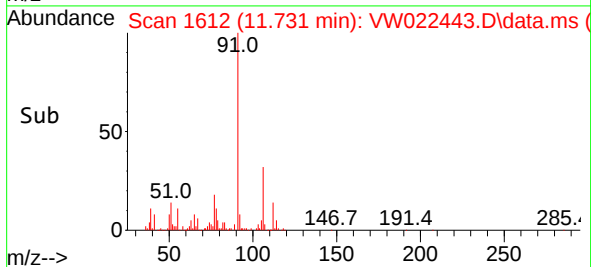
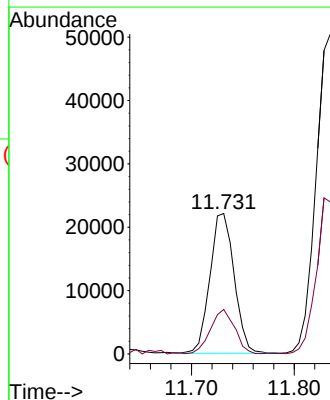
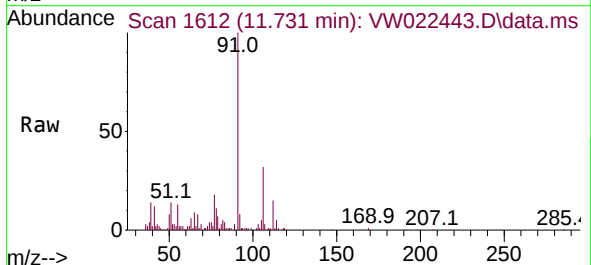
Instrument :
MSVOA_W
ClientSampleId :

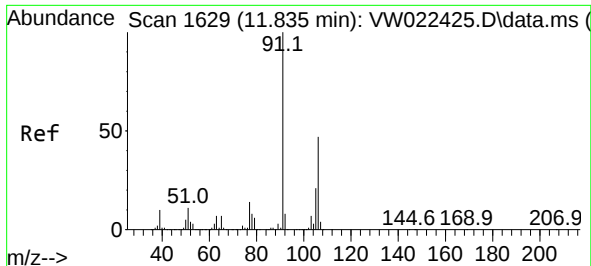
Tgt Ion: 91 Resp: 644332
Ion Ratio Lower Upper
91 100
92 57.8 38.0 70.6



#52
Ethylbenzene
Concen: 0.952 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW022443.D
Acq: 07 Apr 2022 19:44

Tgt Ion: 91 Resp: 36119
Ion Ratio Lower Upper
91 100
106 31.7 20.5 38.1

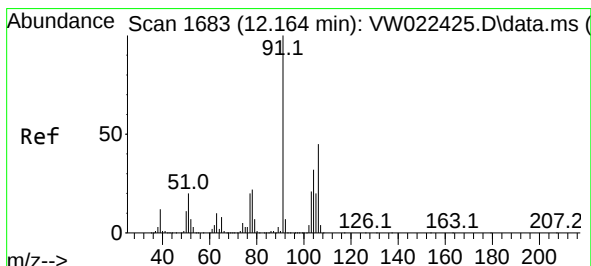
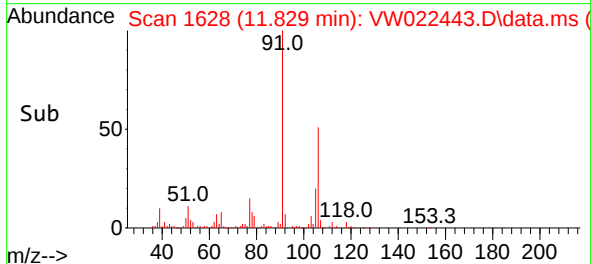
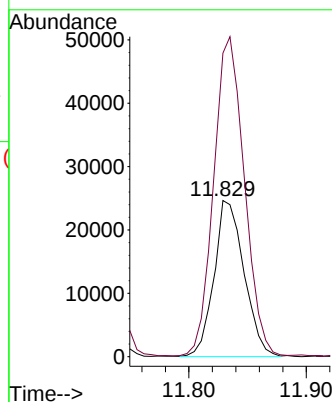
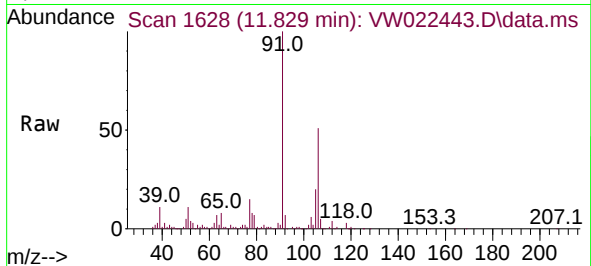




#53
m,p-Xylene
Concen: 3.032 ug/L
RT: 11.829 min Scan# 1628
Delta R.T. -0.006 min
Lab File: VW022443.D
Acq: 07 Apr 2022 19:44

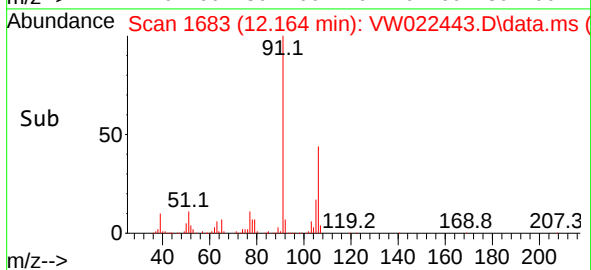
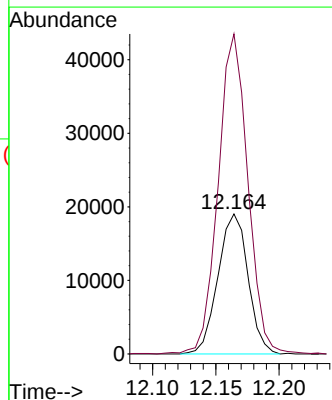
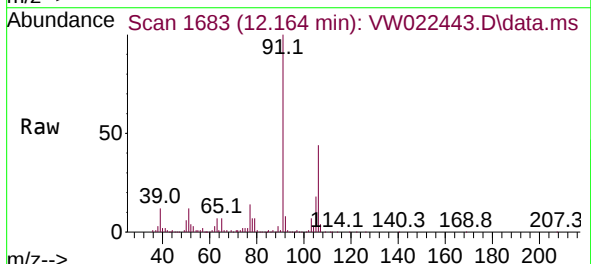
Instrument :
MSVOA_W
ClientSampleId :

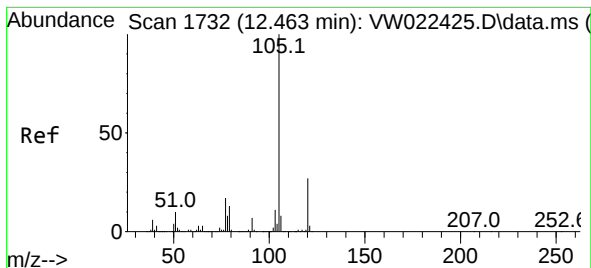
Tgt Ion:106 Resp: 43755
Ion Ratio Lower Upper
106 100
91 194.4 149.9 278.5



#54
o-Xylene
Concen: 2.281 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW022443.D
Acq: 07 Apr 2022 19:44

Tgt Ion:106 Resp: 31459
Ion Ratio Lower Upper
106 100
91 228.7 155.3 288.3





#60

Isopropylbenzene

Concen: 0.458 ug/L

RT: 12.896 min Scan# 11

Delta R.T. 0.433 min

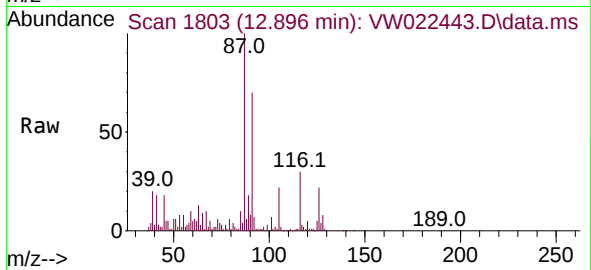
Lab File: VW022443.D

Acq: 07 Apr 2022 19:44

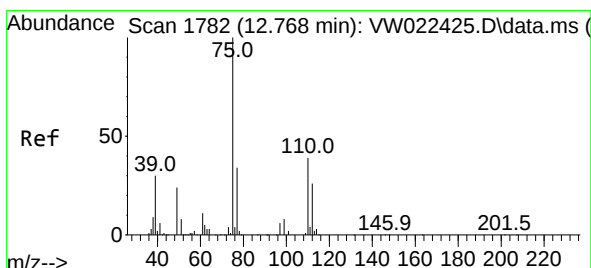
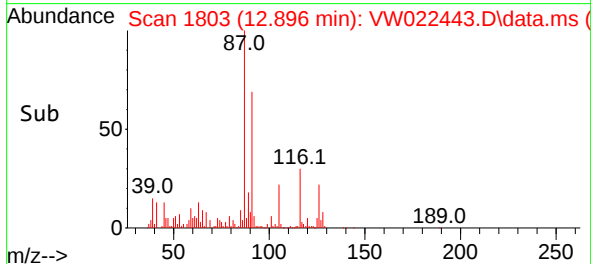
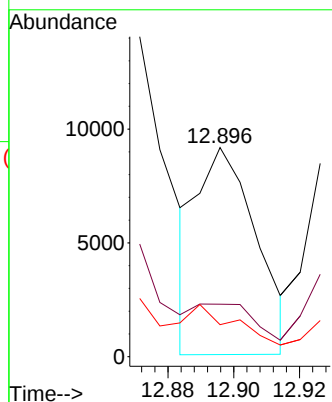
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	105	Resp:	11349
Ion Ratio	Lower	Upper	
105	100		
120	28.8	20.9	31.3
77	18.1	13.7	20.5



#61

1,2,3-Trichloropropane

Concen: 1.001 ug/L

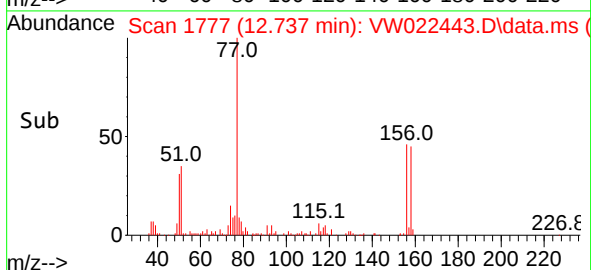
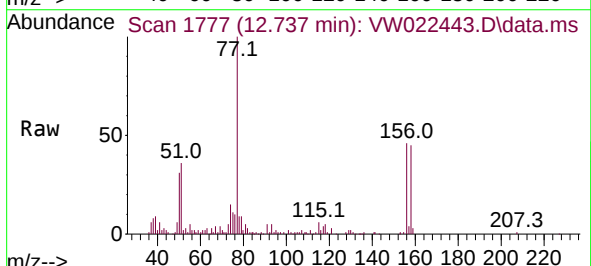
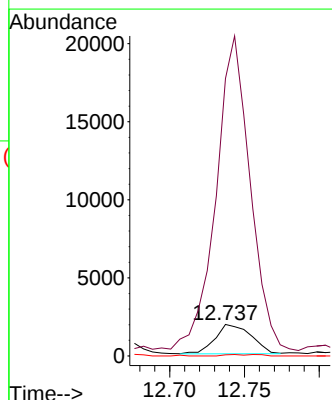
RT: 12.737 min Scan# 1777

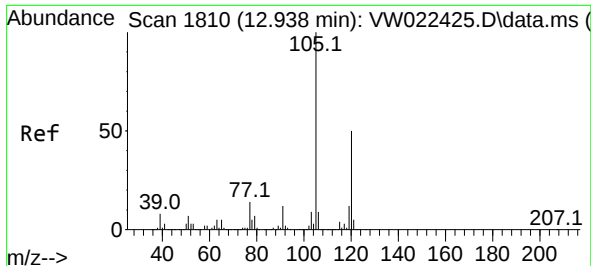
Delta R.T. -0.030 min

Lab File: VW022443.D

Acq: 07 Apr 2022 19:44

Tgt Ion:	75	Resp:	3178
Ion Ratio	Lower	Upper	
75	100		
77	1022.9	25.7	38.5#
110	2.6	31.8	47.6#





#62

1,3,5-Trimethylbenzene

Concen: 2.507 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW022443.D

Acq: 07 Apr 2022 19:44

Instrument :

MSVOA_W

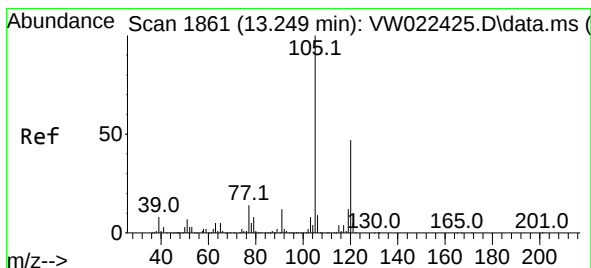
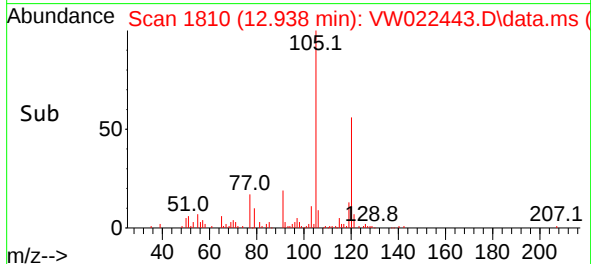
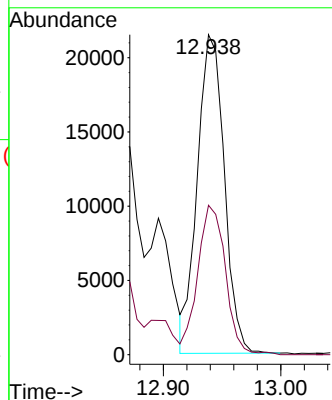
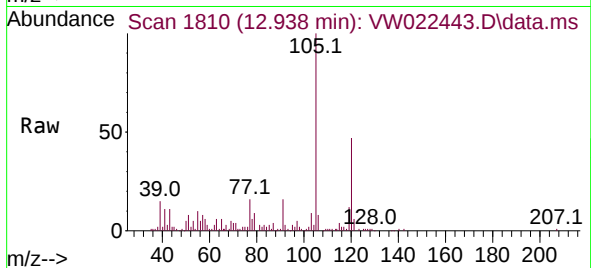
ClientSampleId :

Tgt Ion:105 Resp: 34187

Ion Ratio Lower Upper

105 100

120 48.0 37.5 56.3



#63

1,2,4-Trimethylbenzene

Concen: 4.622 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW022443.D

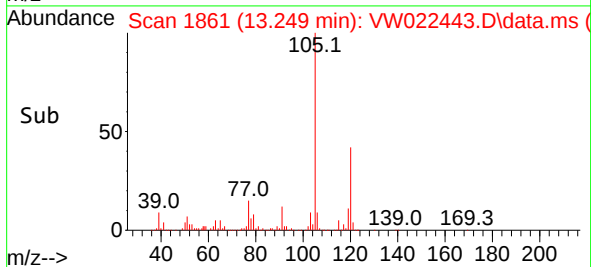
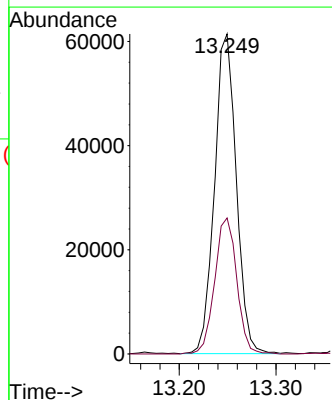
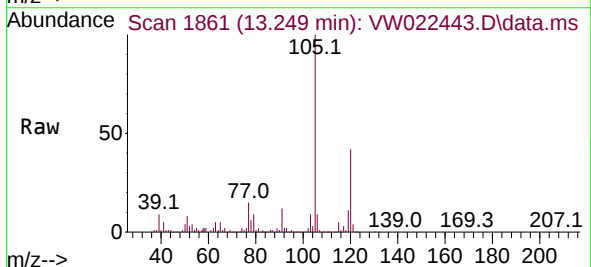
Acq: 07 Apr 2022 19:44

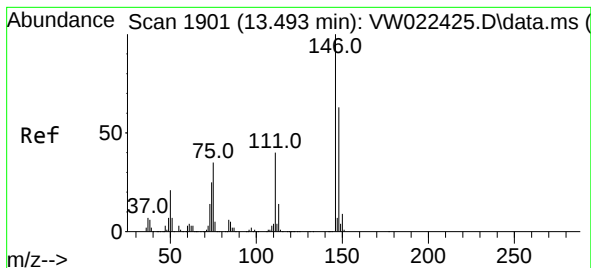
Tgt Ion:105 Resp: 95850

Ion Ratio Lower Upper

105 100

120 43.2 34.2 51.2





#64

1,3-Dichlorobenzene

Concen: 1.845 ug/L

RT: 13.493 min Scan# 1901

Delta R.T. -0.000 min

Lab File: VW022443.D

Acq: 07 Apr 2022 19:44

Instrument :

MSVOA_W

ClientSampleId :

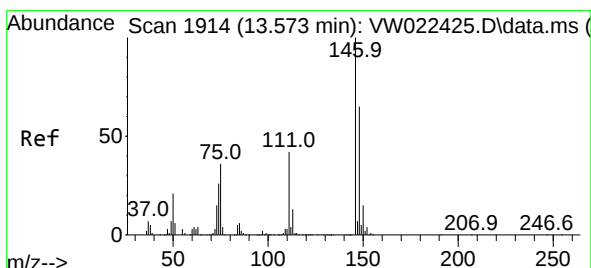
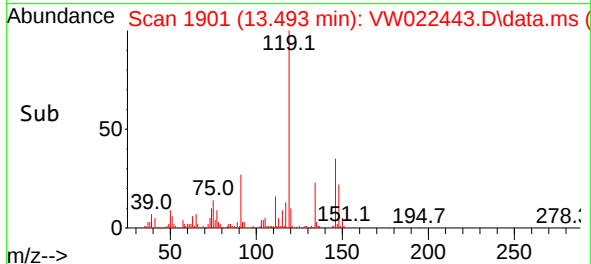
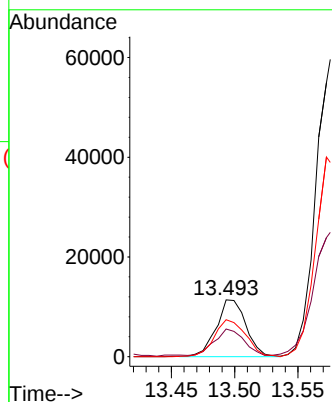
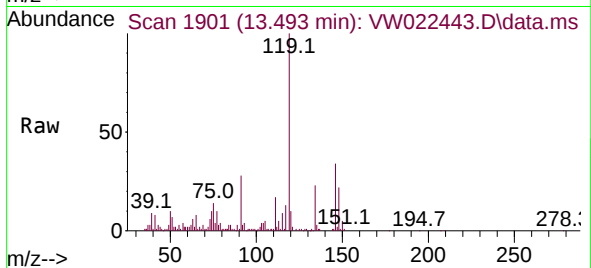
Tgt Ion:146 Resp: 18568

Ion Ratio Lower Upper

146 100

111 48.6 28.2 52.4

148 64.9 41.9 77.7



#65

1,4-Dichlorobenzene

Concen: 9.860 ug/L

RT: 13.579 min Scan# 1915

Delta R.T. 0.006 min

Lab File: VW022443.D

Acq: 07 Apr 2022 19:44

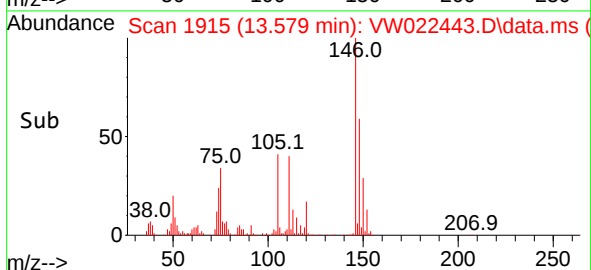
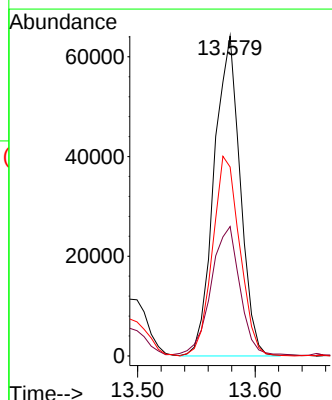
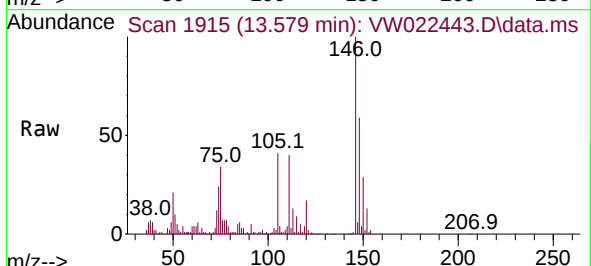
Tgt Ion:146 Resp: 98965

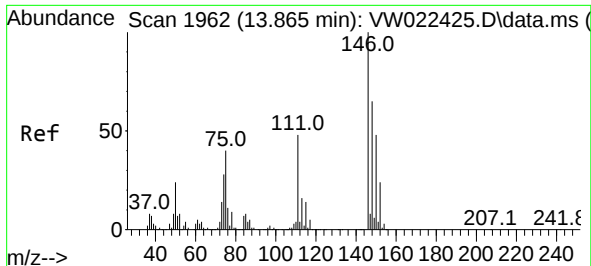
Ion Ratio Lower Upper

146 100

111 40.4 28.5 52.9

148 59.1 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 88.216 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW022443.D

Acq: 07 Apr 2022 19:44

Instrument :

MSVOA_W

ClientSampleId :

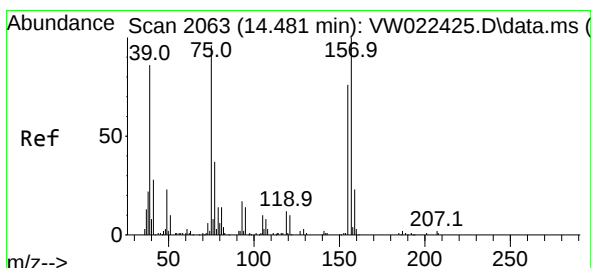
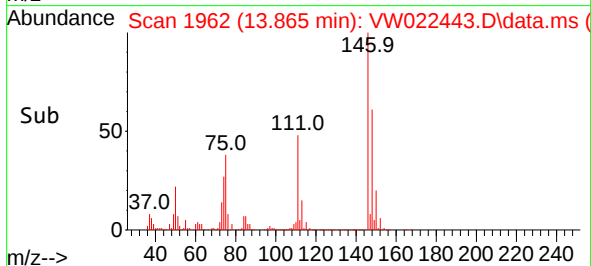
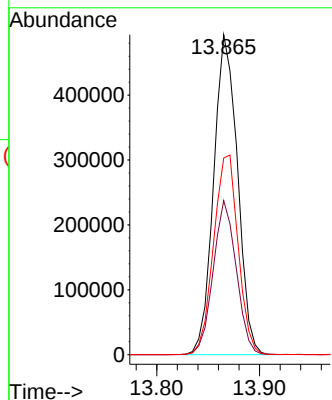
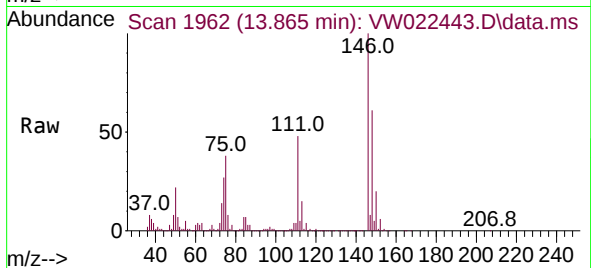
Tgt Ion:146 Resp: 793984

Ion Ratio Lower Upper

146 100

111 48.1 39.0 58.4

148 61.5 52.1 78.1



#68

1,2-Dibromo-3-chloropropane

Concen: 126.944 ug/L

RT: 14.463 min Scan# 2060

Delta R.T. -0.018 min

Lab File: VW022443.D

Acq: 07 Apr 2022 19:44

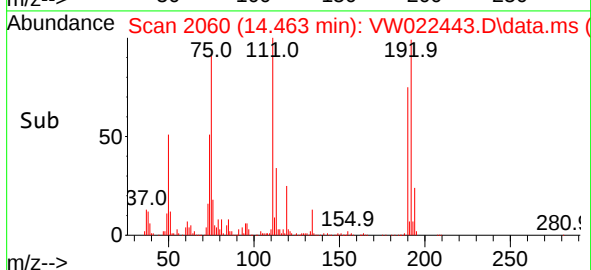
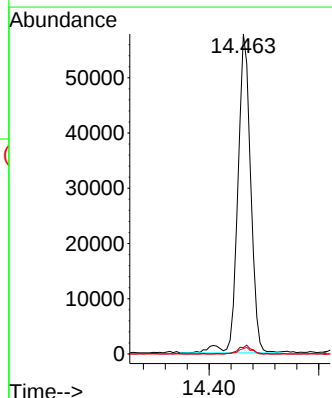
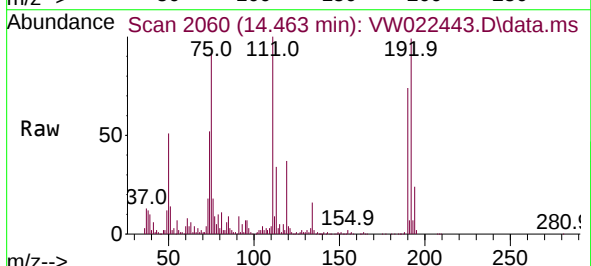
Tgt Ion: 75 Resp: 93490

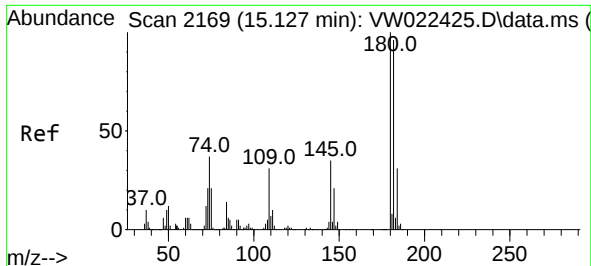
Ion Ratio Lower Upper

75 100

155 2.0 55.6 83.4#

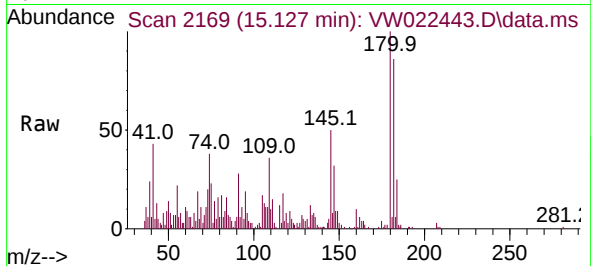
157 1.6 69.8 104.6#



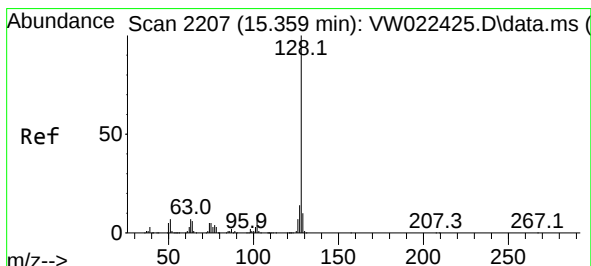
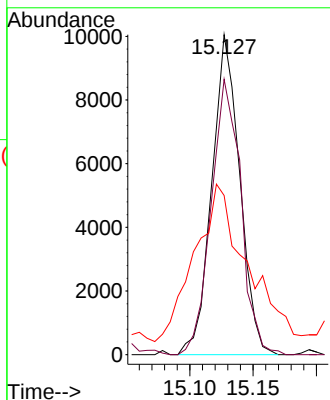
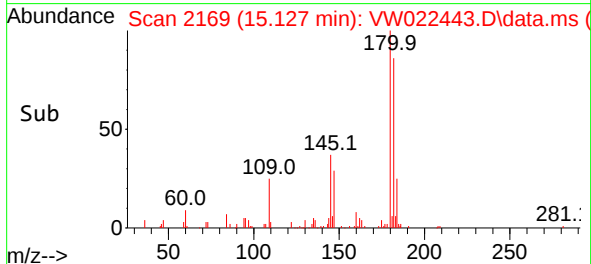


#70
1,2,4-trichlorobenzene
Concen: 2.799 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW022443.D
Acq: 07 Apr 2022 19:44

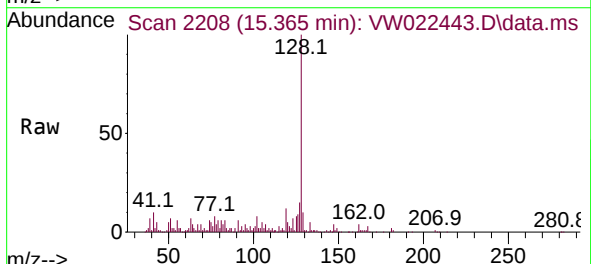
Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:180 Resp: 15435
Ion Ratio Lower Upper
180 100
182 91.4 72.8 109.2
145 92.2 25.5 38.3#



#71
Naphthalene
Concen: 5.148 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.006 min
Lab File: VW022443.D
Acq: 07 Apr 2022 19:44



Tgt Ion:128 Resp: 59881
Ion Ratio Lower Upper
128 100
127 14.2 10.6 15.8
129 10.0 8.5 12.7

