

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040722\
 Data File : VW022444.D
 Acq On : 07 Apr 2022 20:08
 Operator : SY/VA
 Sample : N2293-09
 Misc : 6.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 08 06:34:47 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	391807	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	415977	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	188380	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	167300	19.315	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.240%
7) Chloroethane-d5	2.885	69	102374	18.859	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.440%
11) 1,1-Dichloroethene-d2	4.013	63	150492	13.396	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.600%
21) 2-Butanone-d5	7.080	46	92091	60.898	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.800%
24) Chloroform-d	7.647	84	281058	22.950	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	8.305	65	178063	25.448	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.800%
32) Benzene-d6	8.275	84	525918	20.694	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.760%
36) 1,2-Dichloropropane-d6	9.274	67	170674	23.206	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.840%
41) Toluene-d8	10.323	98	489379	19.661	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.640%
43) trans-1,3-Dichloroprop...	10.579	79	73153	21.076	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.320%
47) 2-Hexanone-d5	10.921	63	99277	72.552	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	145.100%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	163469	26.140	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.560%
66) 1,2-Dichlorobenzene-d4	13.847	152	172676	25.879	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.520%
Target Compounds						
13) Acetone	4.123	43	196725	191.068	ug/L	98
14) Carbon disulfide	4.385	76	50567	2.914	ug/L	96
22) 2-Butanone	7.177	43	35997	23.149	ug/L	99
27) 1,2-Dichloroethane	8.403	62	96125	11.516	ug/L	98
29) Cyclohexane	7.933	56	25144	2.112	ug/L #	18
33) Benzene	8.323	78	2786624	98.669	ug/L	100
35) Methylcyclohexane	9.335	83	13138	0.968	ug/L	91
37) 1,2-Dichloropropane	9.366	63	2952	0.436	ug/L #	87
39) cis-1,3-Dichloropropene	10.030	75	7016	0.653	ug/L #	59
40) 4-Methyl-2-pentanone	10.201	43	11335	2.745	ug/L	98
42) Toluene	10.384	91	400058	12.362	ug/L	95
48) 2-Hexanone	10.969	43	14857	5.100	ug/L	94
51) Chlorobenzene	11.658	112	10036384	507.495	ug/L	96
53) m,p-Xylene	11.829	106	12908	0.936	ug/L	89
54) o-Xylene	12.164	106	9903	0.751	ug/L	84
61) 1,2,3-Trichloropropane	12.743	75	12926	3.226	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.932	105	5540	0.322	ug/L	93
63) 1,2,4-Trimethylbenzene	13.243	105	13391	0.512	ug/L	97
65) 1,4-Dichlorobenzene	13.572	146	18508	1.461	ug/L	97

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

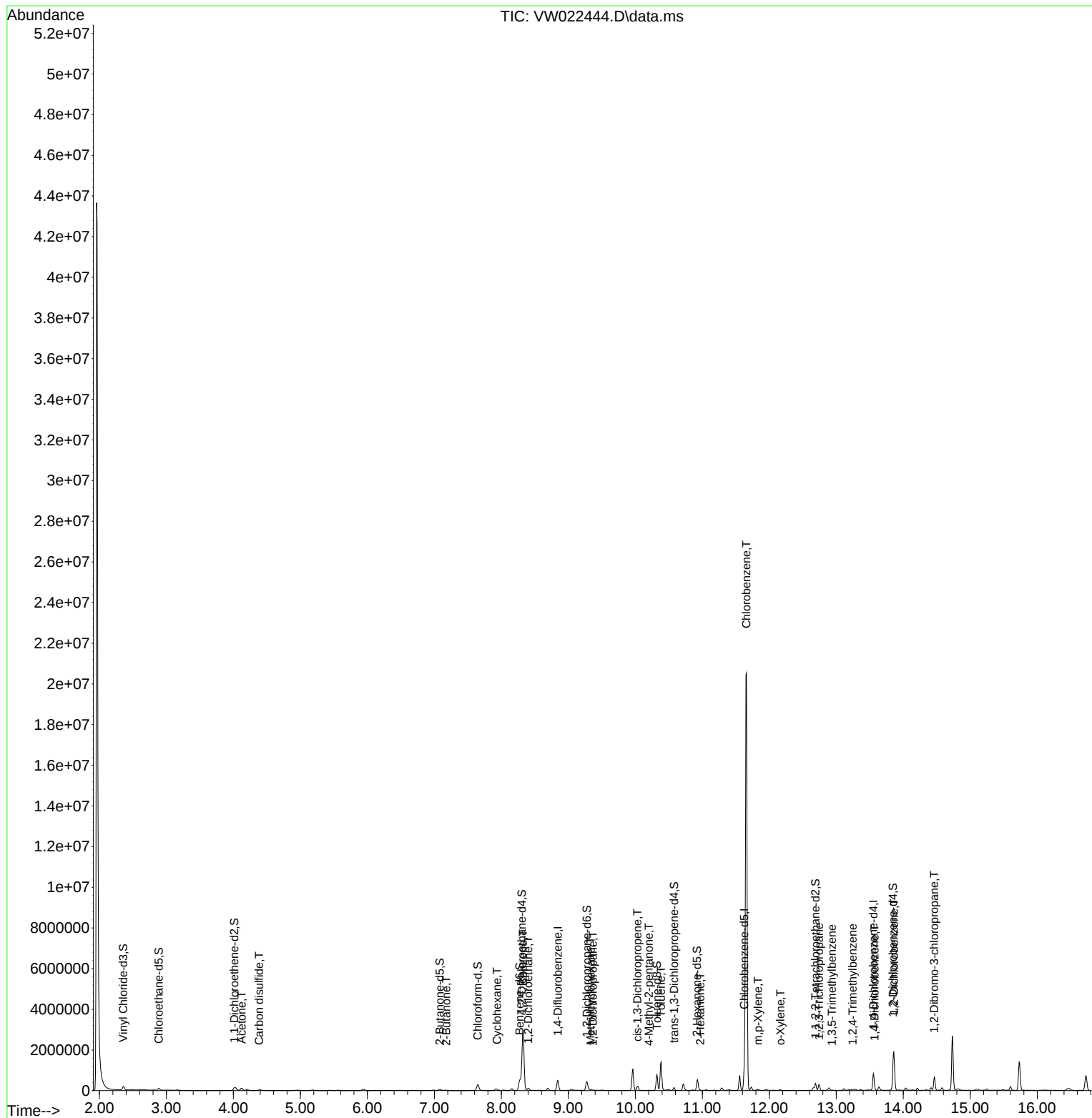
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	13.865	146	168448	14.831	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.463	75	115964	124.776	ug/L #	12

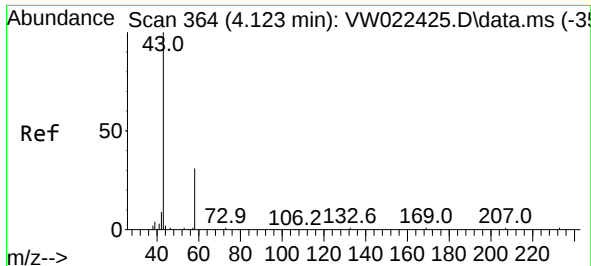
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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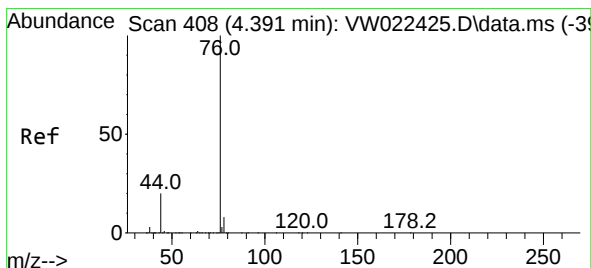
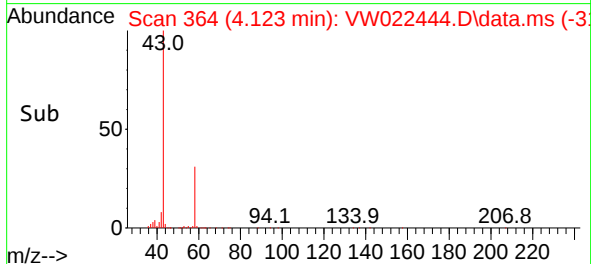
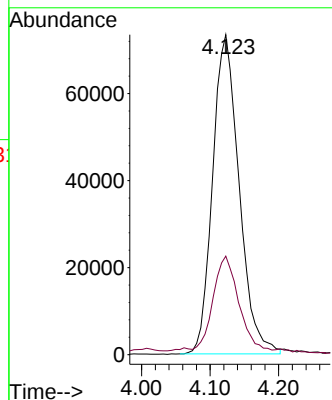
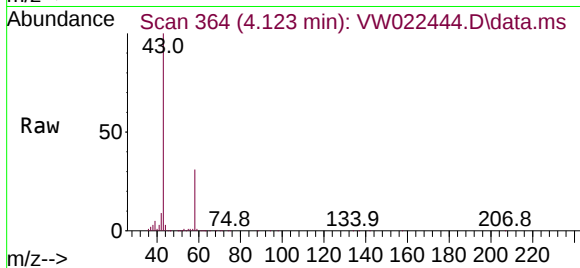




#13
Acetone
Concen: 191.068 ug/L
RT: 4.123 min Scan# 307
Delta R.T. -0.000 min
Lab File: VW022444.D
Acq: 07 Apr 2022 20:08

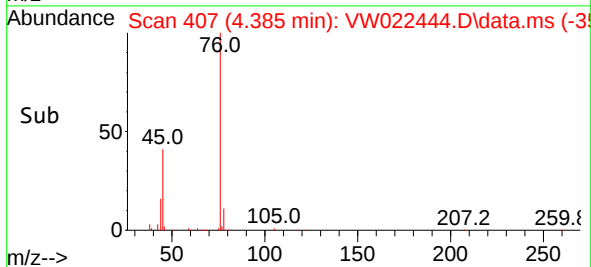
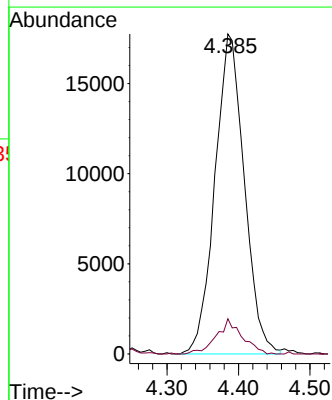
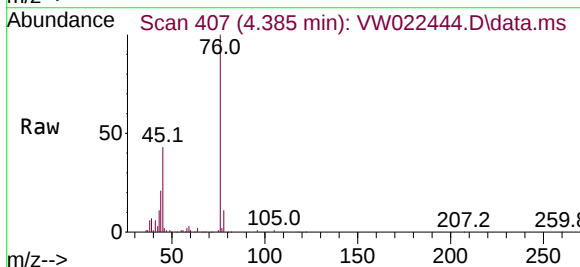
Instrument :
MSVOA_W
ClientSampleId :

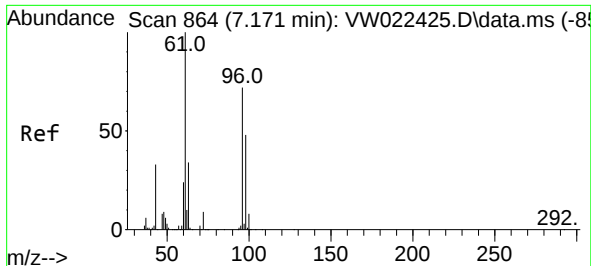
Tgt Ion: 43 Resp: 196725
Ion Ratio Lower Upper
43 100
58 29.8 0.0 57.0



#14
Carbon disulfide
Concen: 2.914 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.006 min
Lab File: VW022444.D
Acq: 07 Apr 2022 20:08

Tgt Ion: 76 Resp: 50567
Ion Ratio Lower Upper
76 100
78 11.0 7.6 11.4

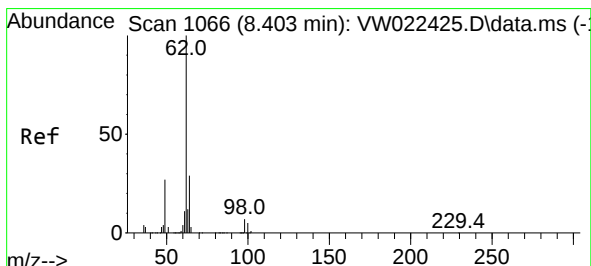
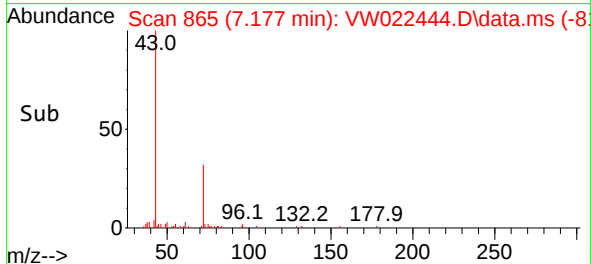
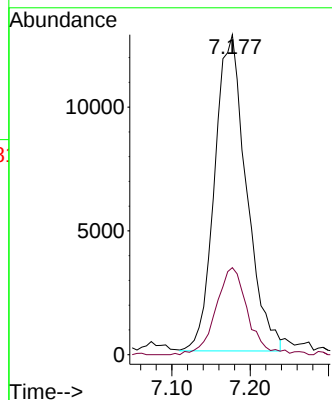
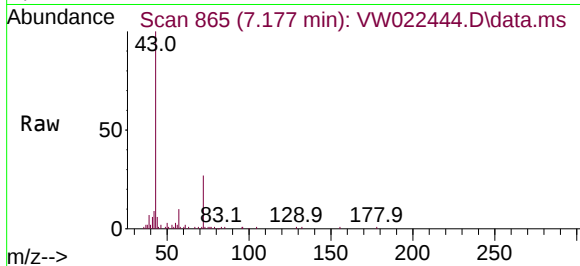




#22
2-Butanone
Concen: 23.149 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW022444.D
Acq: 07 Apr 2022 20:08

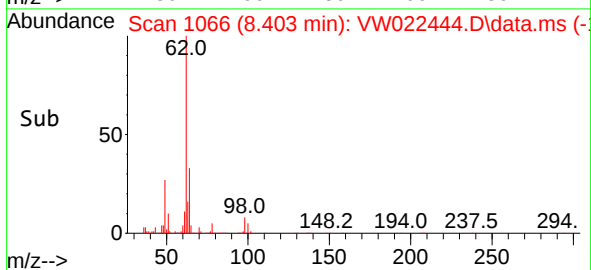
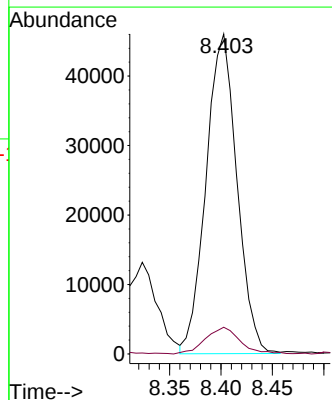
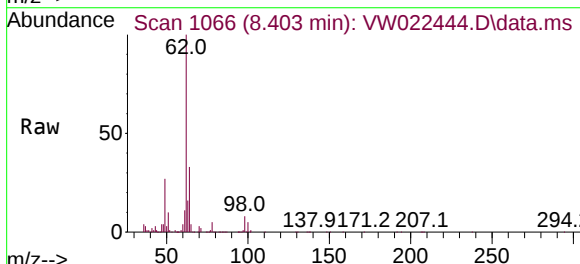
Instrument :
MSVOA_W
ClientSampleId :

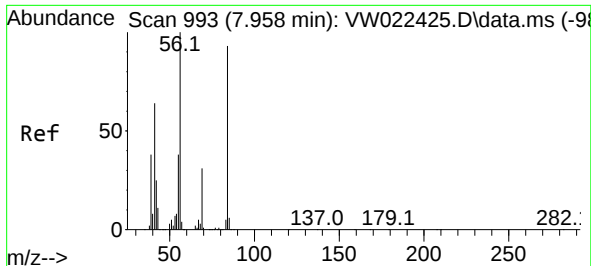
Tgt Ion: 43 Resp: 35997
Ion Ratio Lower Upper
43 100
72 27.2 14.0 42.0



#27
1,2-Dichloroethane
Concen: 11.516 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VW022444.D
Acq: 07 Apr 2022 20:08

Tgt Ion: 62 Resp: 96125
Ion Ratio Lower Upper
62 100
98 8.3 6.2 9.2





#29

Cyclohexane

Concen: 2.112 ug/L

RT: 7.933 min Scan# 91

Delta R.T. -0.024 min

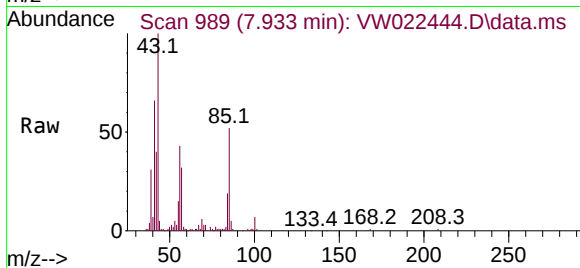
Lab File: VW022444.D

Acq: 07 Apr 2022 20:08

Instrument :

MSVOA_W

ClientSampleId :



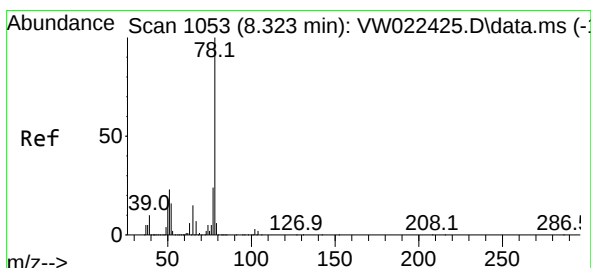
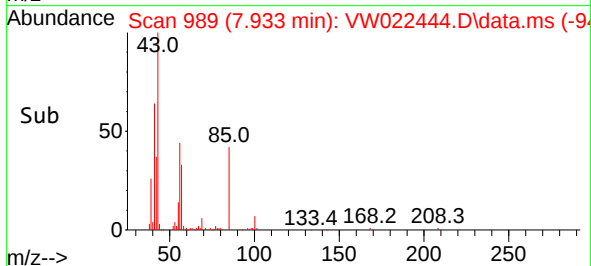
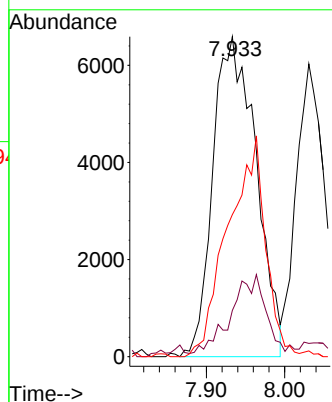
Tgt Ion: 56 Resp: 25144

Ion Ratio Lower Upper

56 100

69 7.9 24.4 36.6#

84 0.0 72.6 108.8#



#33

Benzene

Concen: 98.669 ug/L

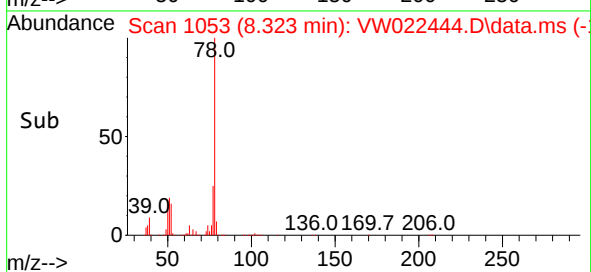
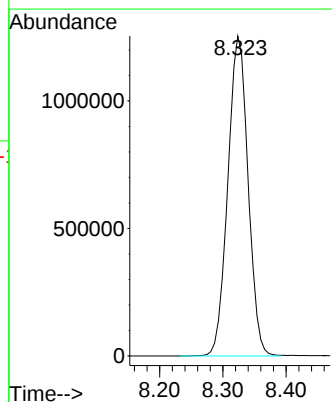
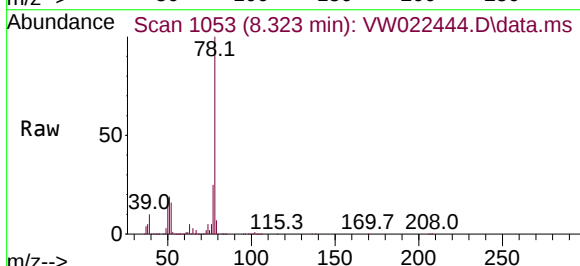
RT: 8.323 min Scan# 1053

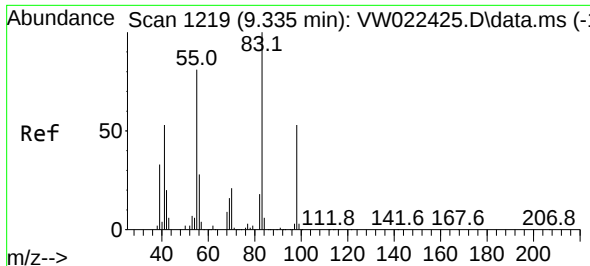
Delta R.T. -0.000 min

Lab File: VW022444.D

Acq: 07 Apr 2022 20:08

Tgt Ion: 78 Resp: 2786624

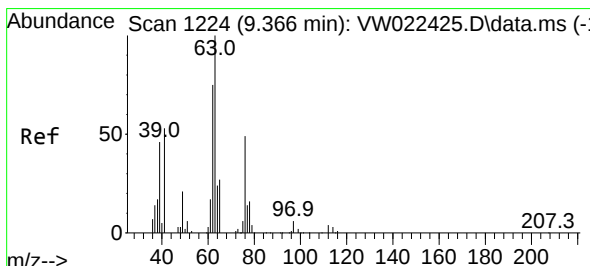
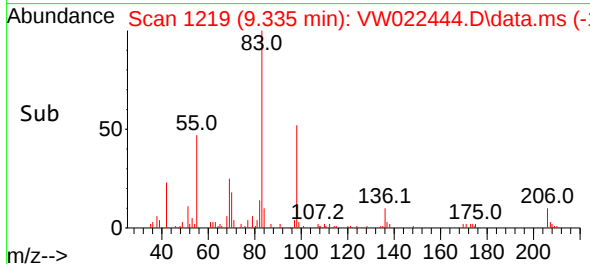
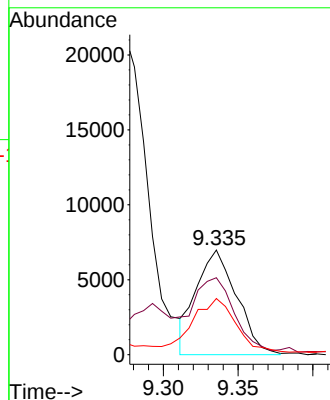
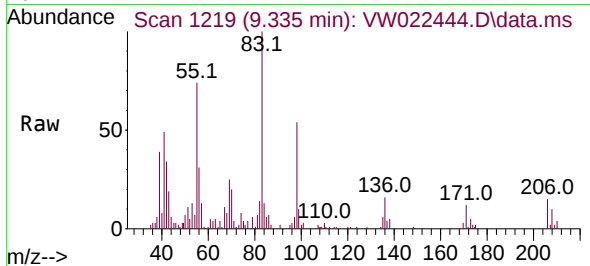




#35
Methylcyclohexane
Concen: 0.968 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW022444.D
Acq: 07 Apr 2022 20:08

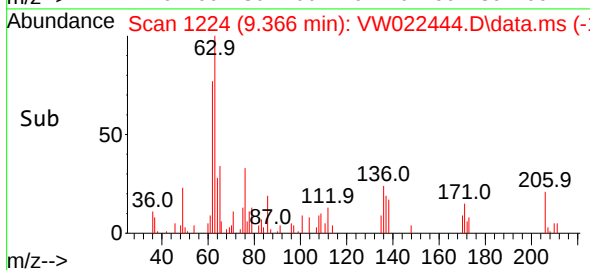
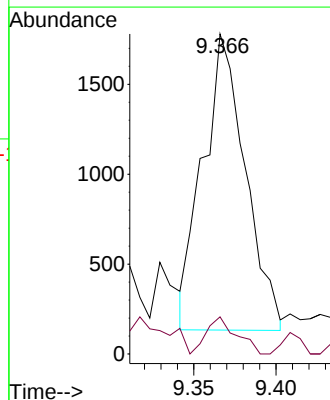
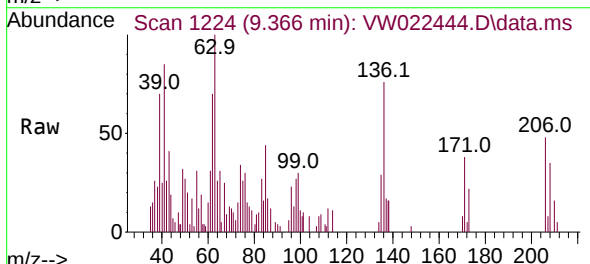
Instrument :
MSVOA_W
ClientSampleId :

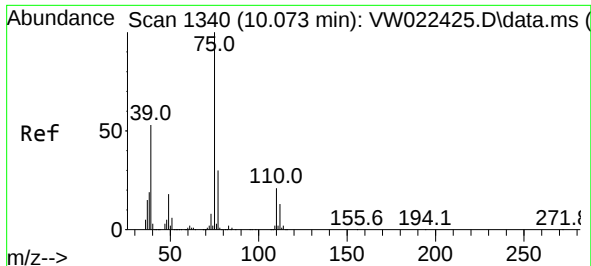
Tgt Ion: 83 Resp: 13138
Ion Ratio Lower Upper
83 100
55 68.2 61.0 91.6
98 54.6 39.2 58.8



#37
1,2-Dichloropropane
Concen: 0.436 ug/L
RT: 9.366 min Scan# 1224
Delta R.T. -0.000 min
Lab File: VW022444.D
Acq: 07 Apr 2022 20:08

Tgt Ion: 63 Resp: 2952
Ion Ratio Lower Upper
63 100
112 8.9 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.653 ug/L

RT: 10.030 min Scan# 11

Delta R.T. -0.043 min

Lab File: VW022444.D

Acq: 07 Apr 2022 20:08

Instrument :

MSVOA_W

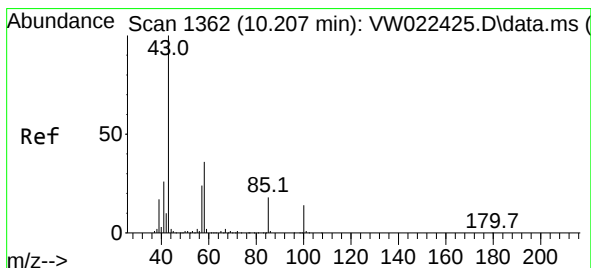
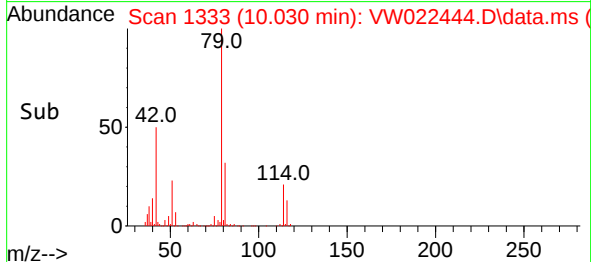
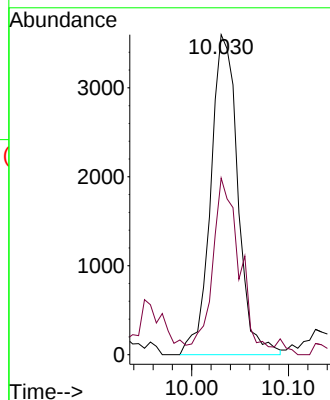
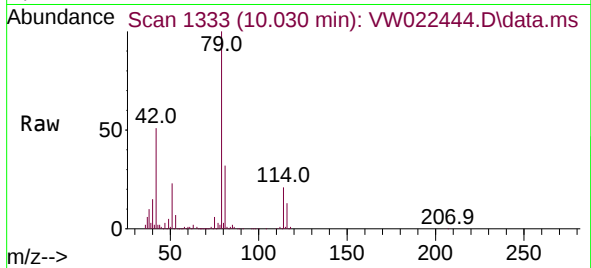
ClientSampleId :

Tgt Ion: 75 Resp: 7016

Ion Ratio Lower Upper

75 100

77 55.2 22.6 42.0#



#40

4-Methyl-2-pentanone

Concen: 2.745 ug/L

RT: 10.201 min Scan# 1361

Delta R.T. -0.006 min

Lab File: VW022444.D

Acq: 07 Apr 2022 20:08

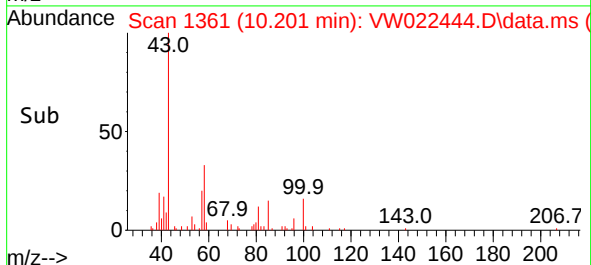
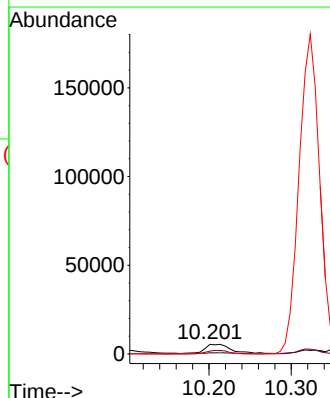
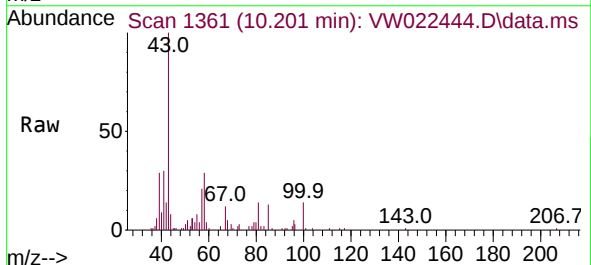
Tgt Ion: 43 Resp: 11335

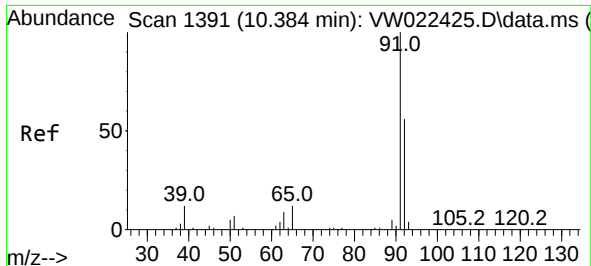
Ion Ratio Lower Upper

43 100

58 35.3 29.3 43.9

100 16.1 12.2 18.4

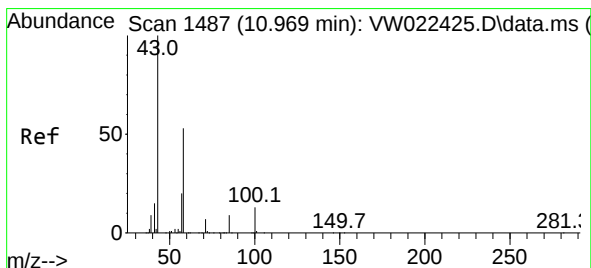
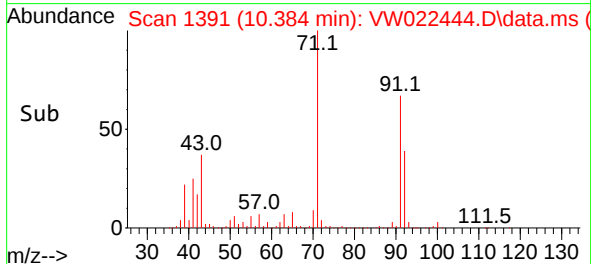
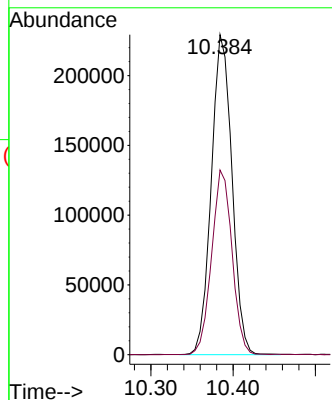
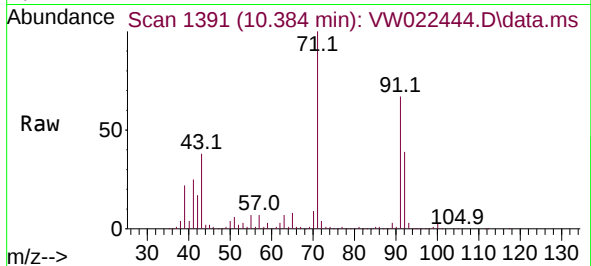




#42
Toluene
Concen: 12.362 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VW022444.D
Acq: 07 Apr 2022 20:08

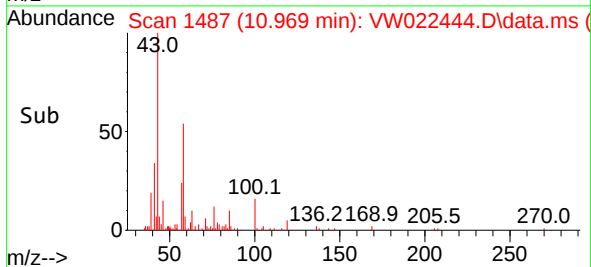
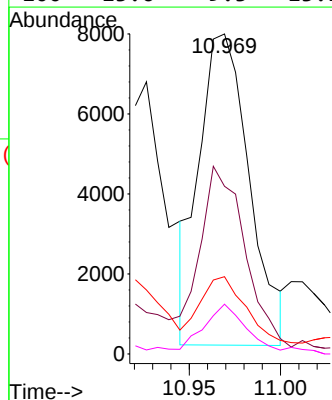
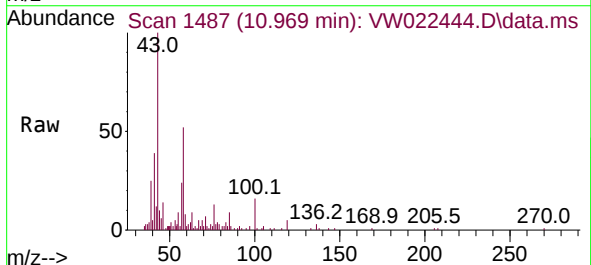
Instrument :
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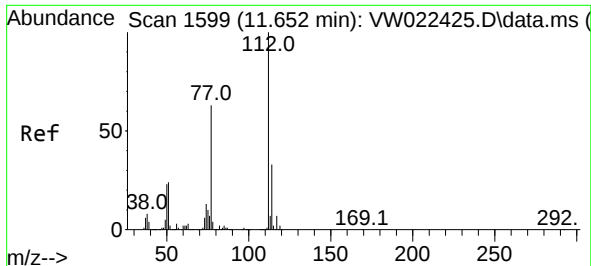
Tgt Ion: 91 Resp: 400058
Ion Ratio Lower Upper
91 100
92 57.7 38.0 70.6



#48
2-Hexanone
Concen: 5.100 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW022444.D
Acq: 07 Apr 2022 20:08

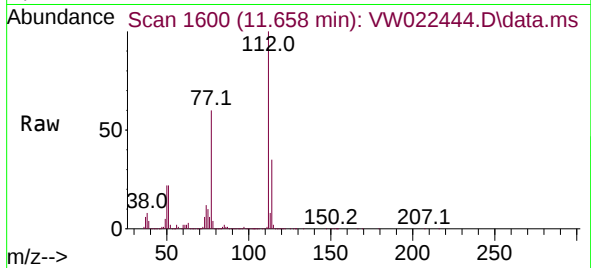
Tgt Ion: 43 Resp: 14857
Ion Ratio Lower Upper
43 100
58 57.6 41.6 62.4
57 19.1 14.5 21.7
100 13.6 9.3 13.9



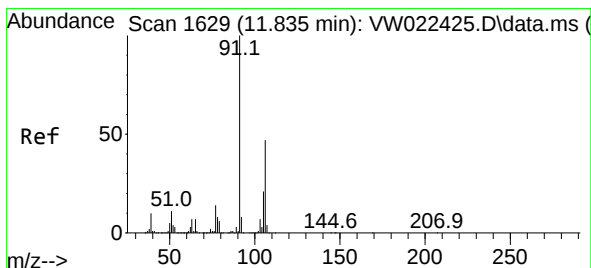
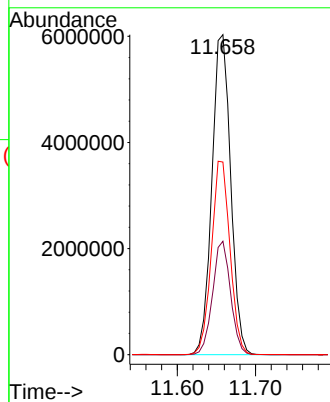
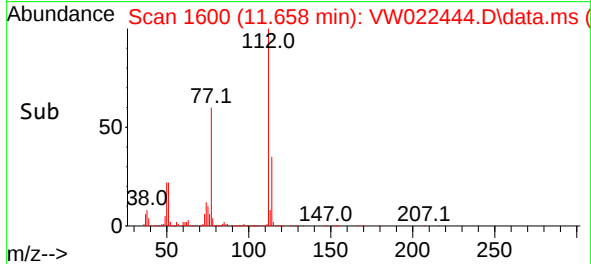


#51
Chlorobenzene
Concen: 507.495 ug/L
RT: 11.658 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW022444.D
Acq: 07 Apr 2022 20:08

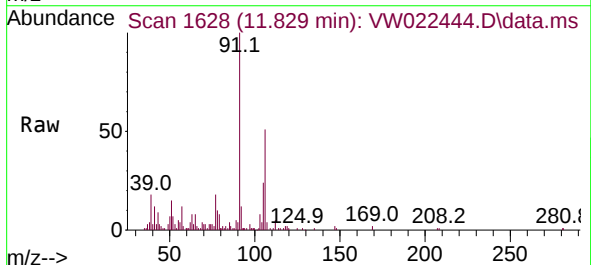
Instrument :
MSVOA_W
ClientSampleId :



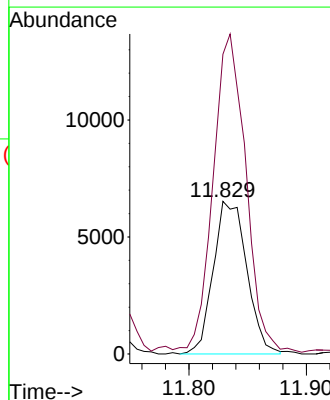
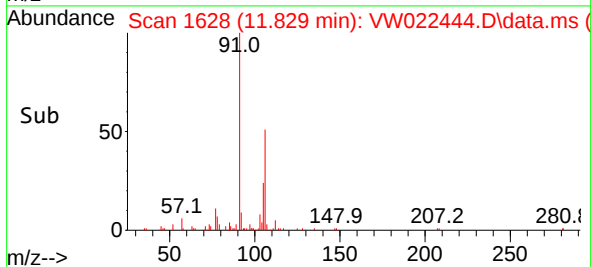
Tgt Ion:112 Resp:10036384
Ion Ratio Lower Upper
112 100
114 35.4 20.5 38.1
77 60.2 48.1 72.1

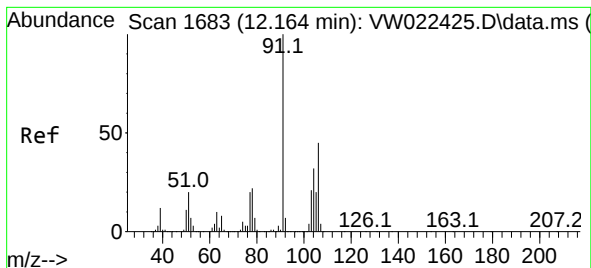


#53
m,p-Xylene
Concen: 0.936 ug/L
RT: 11.829 min Scan# 1628
Delta R.T. -0.006 min
Lab File: VW022444.D
Acq: 07 Apr 2022 20:08



Tgt Ion:106 Resp: 12908
Ion Ratio Lower Upper
106 100
91 196.4 149.9 278.5





#54

o-Xylene

Concen: 0.751 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW022444.D

Acq: 07 Apr 2022 20:08

Instrument :

MSVOA_W

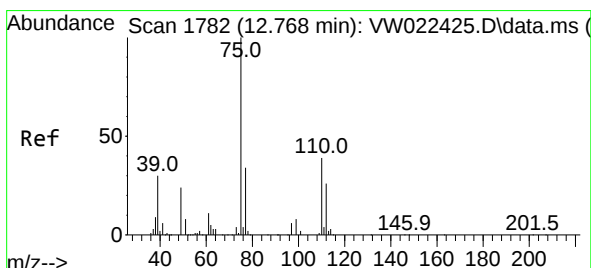
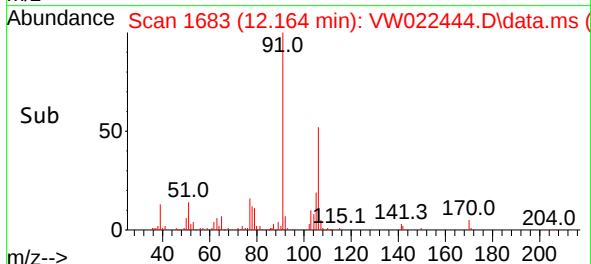
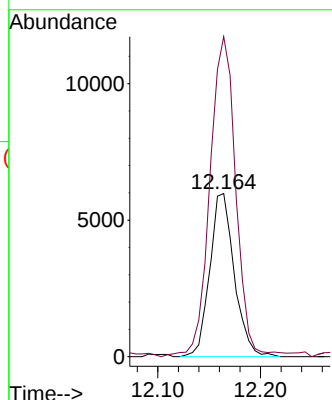
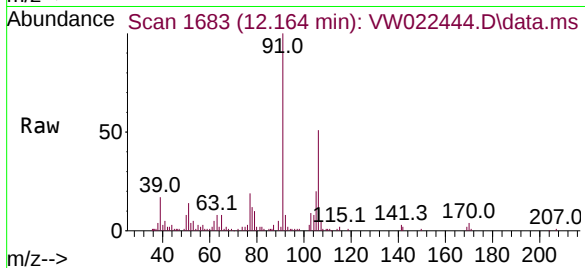
ClientSampleId :

Tgt Ion:106 Resp: 9903

Ion Ratio Lower Upper

106 100

91 196.1 155.3 288.3



#61

1,2,3-Trichloropropane

Concen: 3.226 ug/L

RT: 12.743 min Scan# 1778

Delta R.T. -0.024 min

Lab File: VW022444.D

Acq: 07 Apr 2022 20:08

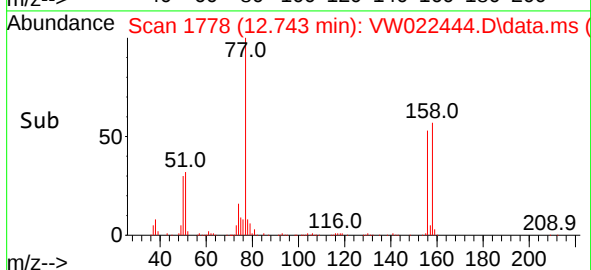
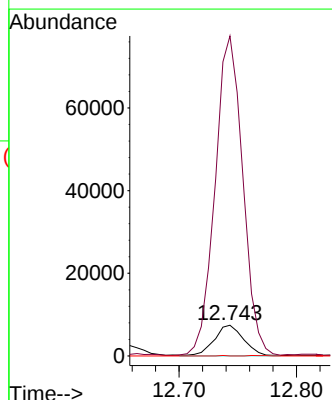
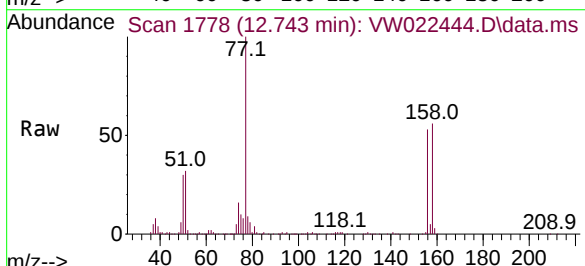
Tgt Ion: 75 Resp: 12926

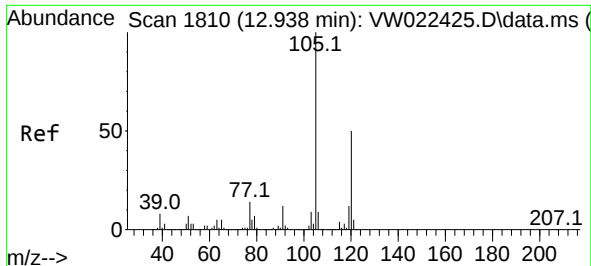
Ion Ratio Lower Upper

75 100

77 981.4 25.7 38.5#

110 0.7 31.8 47.6#





#62

1,3,5-Trimethylbenzene

Concen: 0.322 ug/L

RT: 12.932 min Scan# 1809

Delta R.T. -0.006 min

Lab File: VW022444.D

Acq: 07 Apr 2022 20:08

Instrument :

MSVOA_W

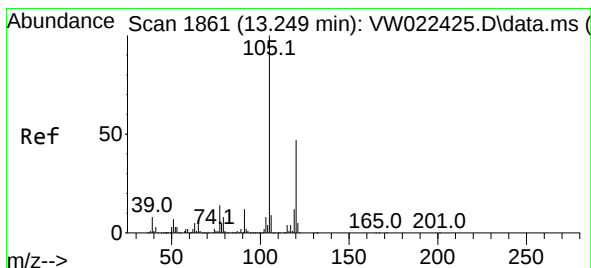
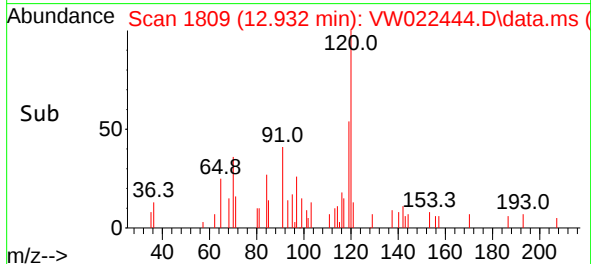
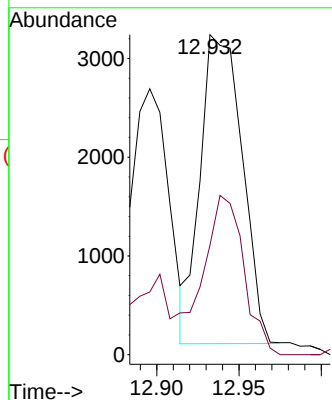
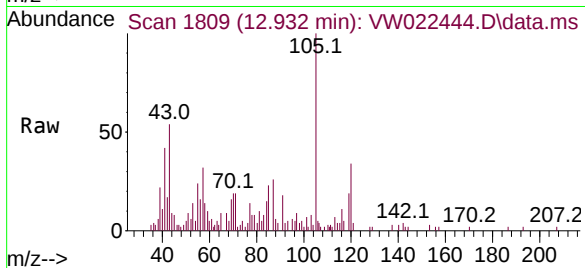
ClientSampleId :

Tgt Ion:105 Resp: 5540

Ion Ratio Lower Upper

105 100

120 51.6 37.5 56.3



#63

1,2,4-Trimethylbenzene

Concen: 0.512 ug/L

RT: 13.243 min Scan# 1860

Delta R.T. -0.006 min

Lab File: VW022444.D

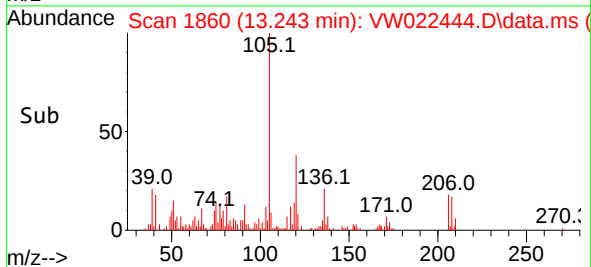
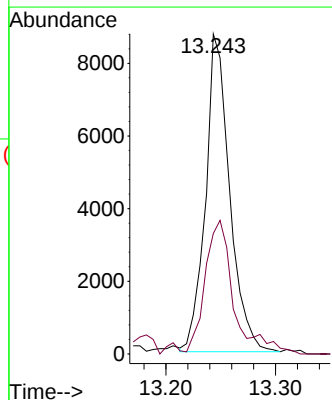
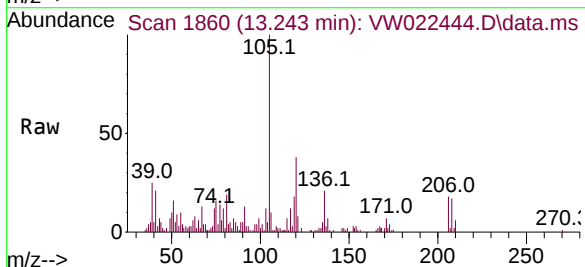
Acq: 07 Apr 2022 20:08

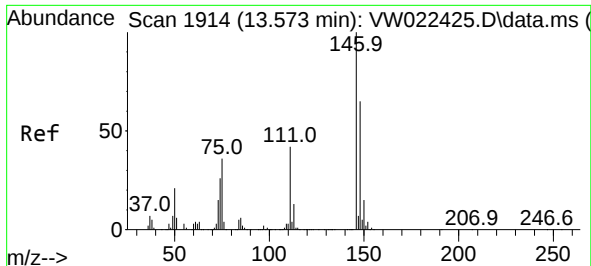
Tgt Ion:105 Resp: 13391

Ion Ratio Lower Upper

105 100

120 44.5 34.2 51.2

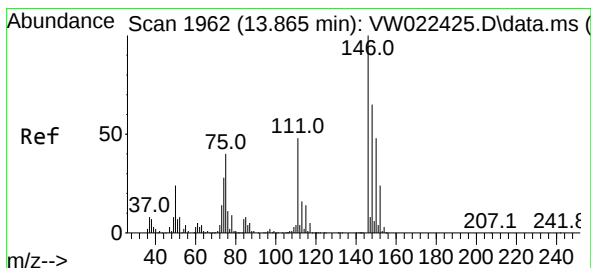
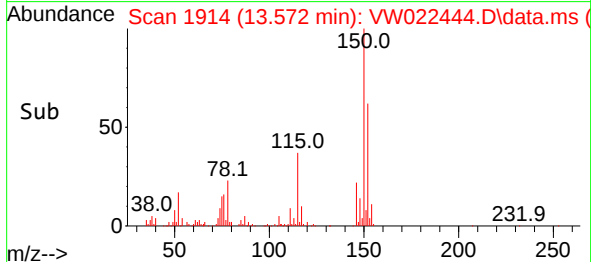
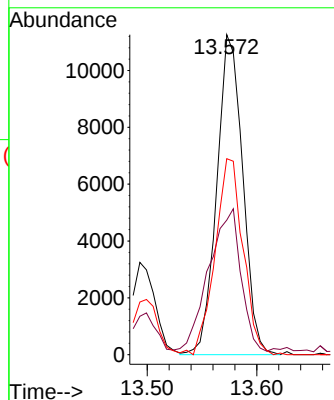
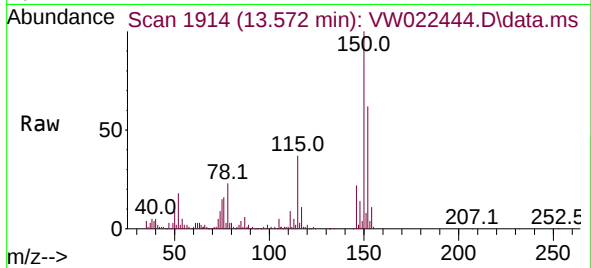




#65
1,4-Dichlorobenzene
Concen: 1.461 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW022444.D
Acq: 07 Apr 2022 20:08

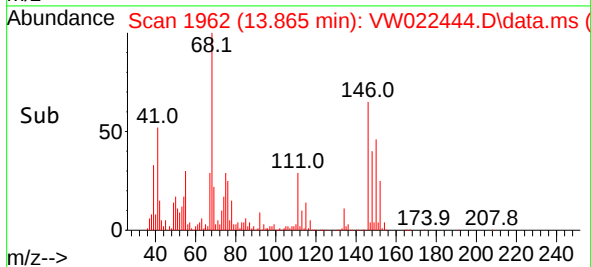
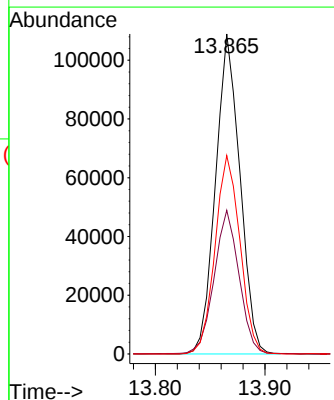
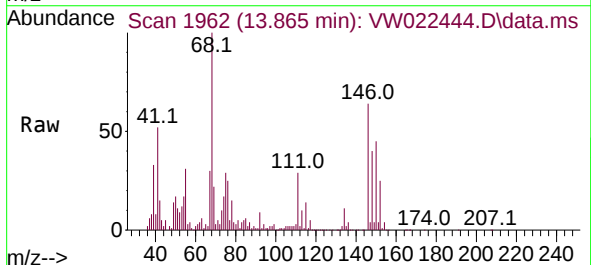
Instrument :
MSVOA_W
ClientSampleId :

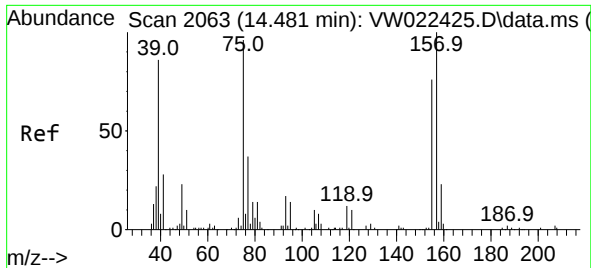
Tgt Ion:146 Resp: 18508
Ion Ratio Lower Upper
146 100
111 42.1 28.5 52.9
148 61.3 44.4 82.4



#67
1,2-Dichlorobenzene
Concen: 14.831 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.000 min
Lab File: VW022444.D
Acq: 07 Apr 2022 20:08

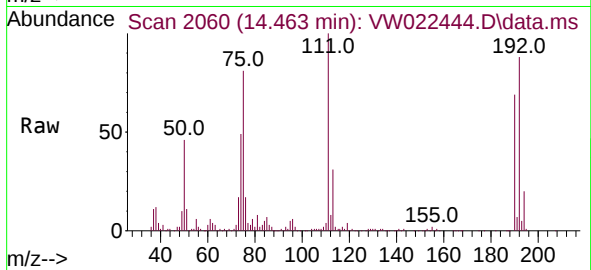
Tgt Ion:146 Resp: 168448
Ion Ratio Lower Upper
146 100
111 44.9 39.0 58.4
148 62.0 52.1 78.1





#68
 1,2-Dibromo-3-chloropropane
 Concen: 124.776 ug/L
 RT: 14.463 min Scan# 2060
 Delta R.T. -0.018 min
 Lab File: VW022444.D
 Acq: 07 Apr 2022 20:08

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 115964
 Ion Ratio Lower Upper
 75 100
 155 2.7 55.6 83.4#
 157 1.8 69.8 104.6#

