

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
 Data File : VW024167.D
 Acq On : 04 Aug 2022 17:53
 Operator : SY/VA
 Sample : N4008-07
 Misc : 6.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 COZF1

Quant Time: Aug 05 01:02:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM080422SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 05 01:00:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	414353	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	340353	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	177128	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.337	65	220763	25.489	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.960%
7) Chloroethane-d5	2.873	69	115392	21.388	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.560%
11) 1,1-Dichloroethene-d2	4.135	63	312	0.032	ug/L	0.12
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.120%#
21) 2-Butanone-d5	7.074	46	83966	52.110	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.220%
24) Chloroform-d	7.647	84	258545	20.622	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.480%
26) 1,2-Dichloroethane-d4	8.433	65	467	0.067	ug/L	0.13
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.280%#
32) Benzene-d6	8.275	84	521569	25.984	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.920%
36) 1,2-Dichloropropane-d6	9.274	67	152985	25.814	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.240%
41) Toluene-d8	10.323	98	490135	26.124	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.480%
43) trans-1,3-Dichloroprop...	10.573	79	64770	24.951	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.800%
47) 2-Hexanone-d5	10.920	63	74244	67.823	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.640%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	136755	23.783	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.120%
66) 1,2-Dichlorobenzene-d4	13.853	152	174360	26.900	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.600%
Target Compounds						Qvalue
16) Methylene chloride	4.909	84	43154	5.906	ug/L	95
29) Cyclohexane	7.952	56	25309	3.627	ug/L	86
33) Benzene	8.323	78	14417	0.717	ug/L	100
34) Trichloroethene	9.092	95	2691	0.506	ug/L	93
35) Methylcyclohexane	9.329	83	230525	27.668	ug/L	97
42) Toluene	10.384	91	555130	25.987	ug/L	97
46) Tetrachloroethene	10.860	164	8272	1.923	ug/L #	54
48) 2-Hexanone	10.933	43	204828	91.518	ug/L #	26
52) Ethylbenzene	11.725	91	875672	37.416	ug/L	100
53) m,p-Xylene	11.835	106	2515716	276.146	ug/L	94
54) o-Xylene	12.164	106	1418185	164.779	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.688	83	21301	4.069	ug/L #	84
60) Isopropylbenzene	12.463	105	670967	31.291	ug/L	99
62) 1,3,5-Trimethylbenzene	12.938	105	5294619	298.799	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	12910341	739.797	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.499	75	22146	26.890	ug/L #	48
70) 1,2,4-trichlorobenzene	15.133	180	25230	4.576	ug/L #	1
71) Naphthalene	15.365	128	14500145	1350.117	ug/L	98
72) 1,2,3-Trichlorobenzene	15.578	180	68257	13.597	ug/L #	1

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Quant Title : SFAM01.0
QLast Update : Fri Aug 05 01:00:42 2022
Response via : Initial Calibration

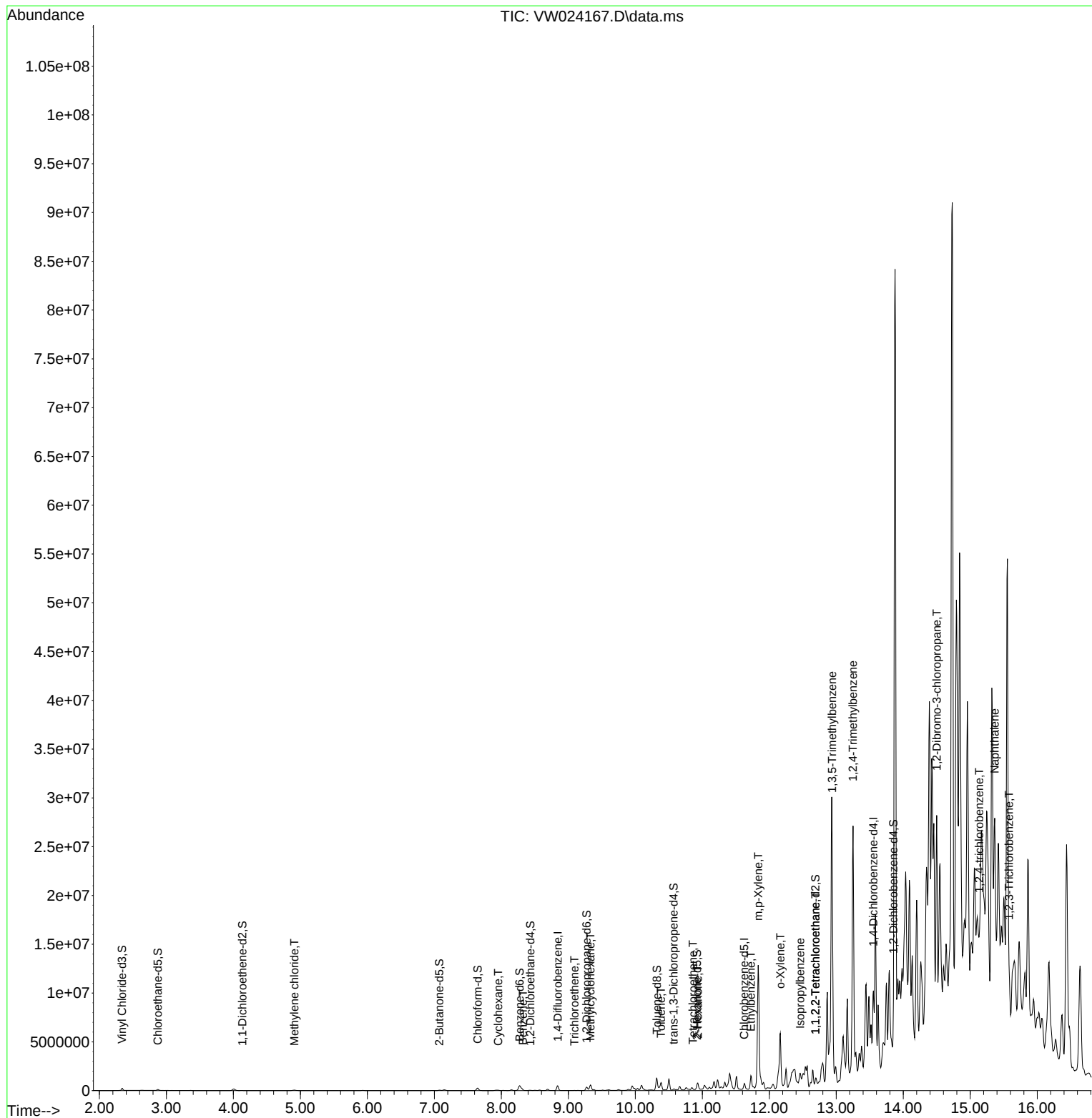
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

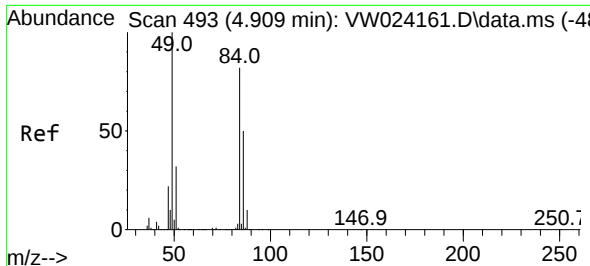
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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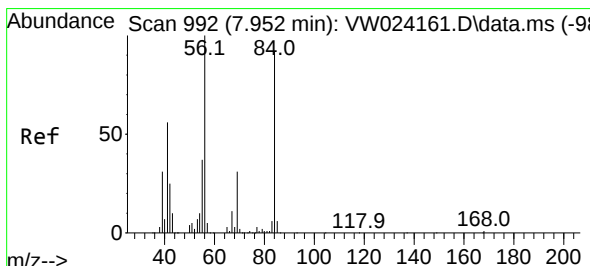
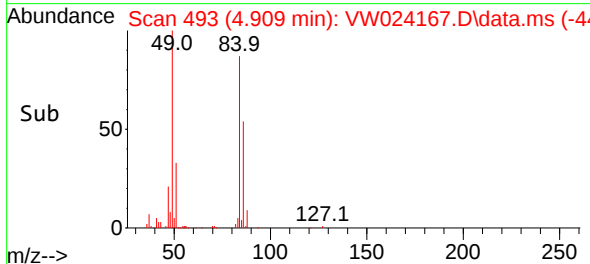
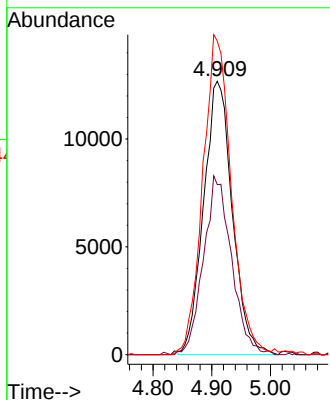
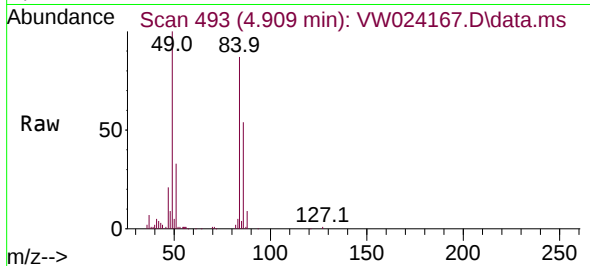




#16
Methylene chloride
Concen: 5.906 ug/L
RT: 4.909 min Scan# 493
Delta R.T. -0.000 min
Lab File: VW024167.D
Acq: 04 Aug 2022 17:53

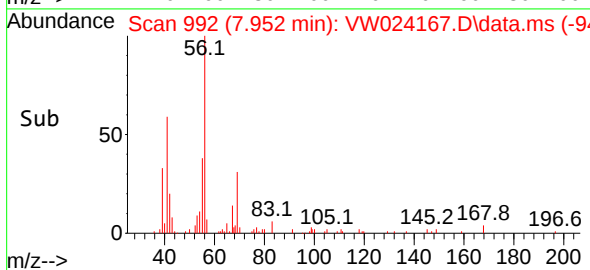
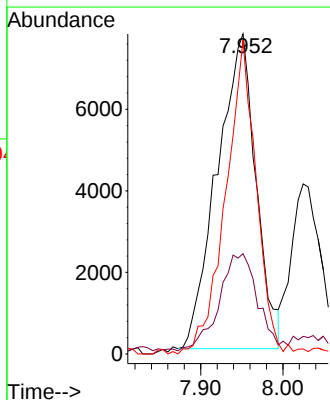
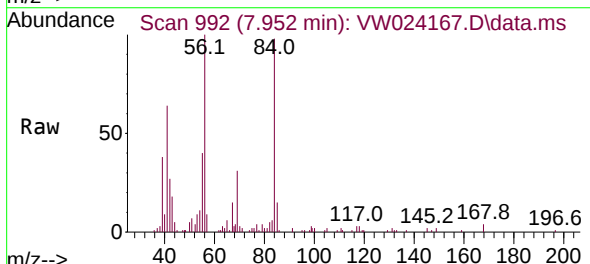
Instrument :
MSVOA_W
ClientSampleId :
C0ZF1

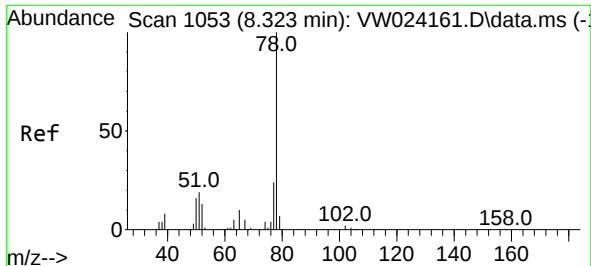
Tgt Ion: 84 Resp: 43154
Ion Ratio Lower Upper
84 100
86 62.2 42.8 79.6
49 114.8 85.3 158.3



#29
Cyclohexane
Concen: 3.627 ug/L
RT: 7.952 min Scan# 992
Delta R.T. -0.000 min
Lab File: VW024167.D
Acq: 04 Aug 2022 17:53

Tgt Ion: 56 Resp: 25309
Ion Ratio Lower Upper
56 100
69 30.3 24.5 36.7
84 76.5 75.5 113.3

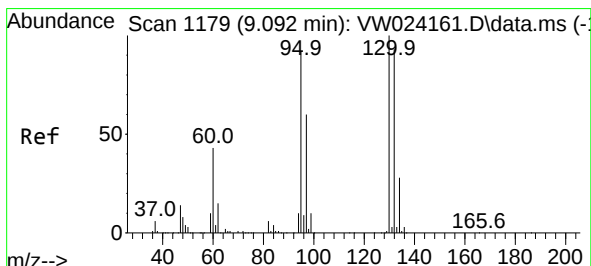
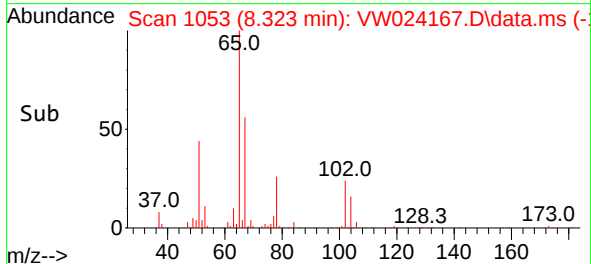
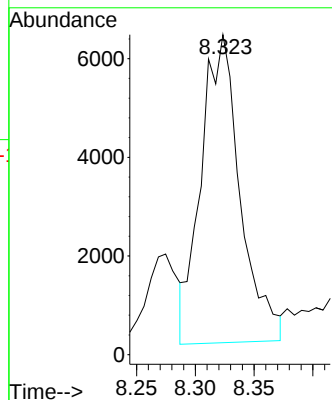
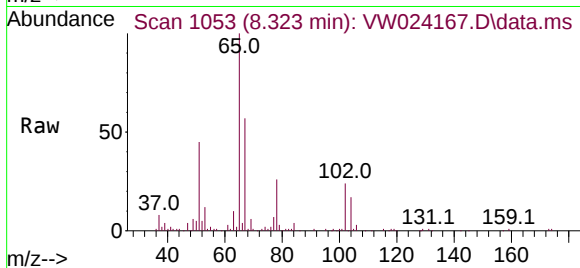




#33
Benzene
Concen: 0.717 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW024167.D
Acq: 04 Aug 2022 17:53

Instrument :
MSVOA_W
ClientSampleId :
C0ZF1

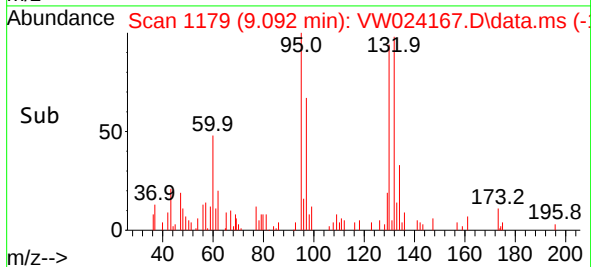
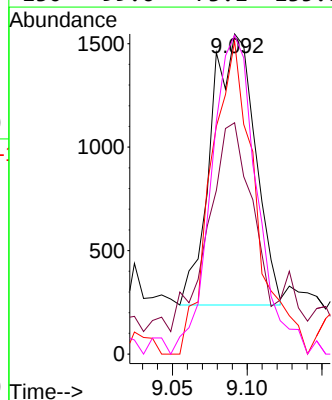
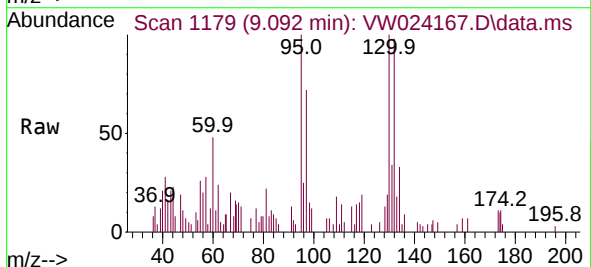
Tgt Ion: 78 Resp: 14417

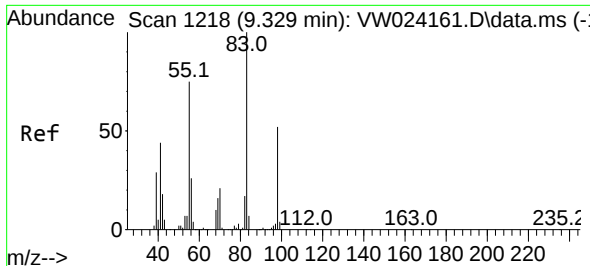


#34
Trichloroethene
Concen: 0.506 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW024167.D
Acq: 04 Aug 2022 17:53

Tgt Ion: 95 Resp: 2691

Ion	Ratio	Lower	Upper
95	100		
97	72.3	41.6	77.2
132	97.7	67.0	124.4
130	99.6	73.1	135.8

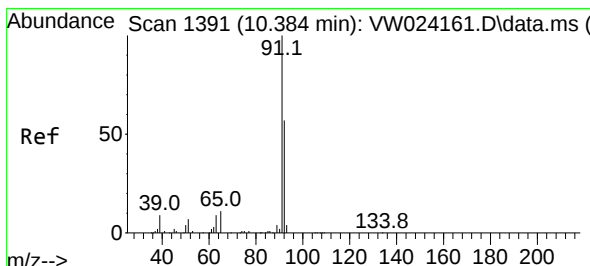
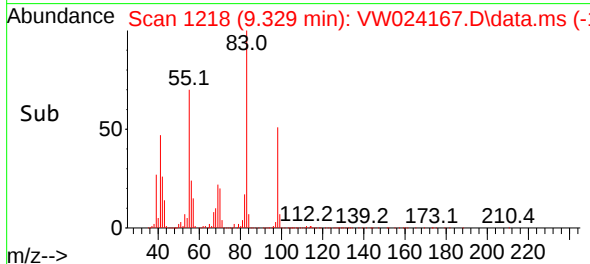
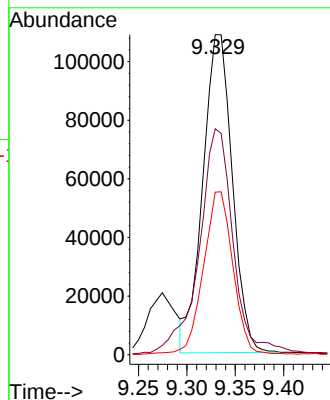
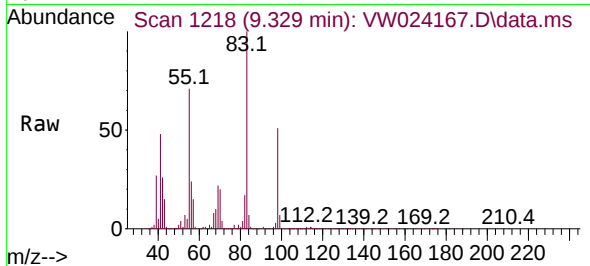




#35
Methylcyclohexane
Concen: 27.668 ug/L
RT: 9.329 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW024167.D
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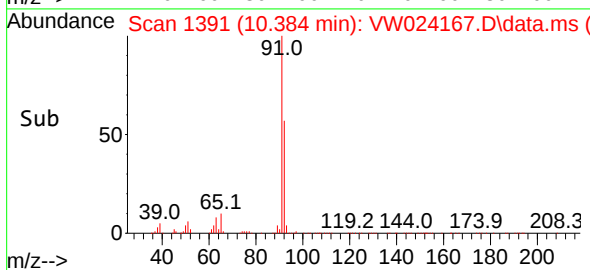
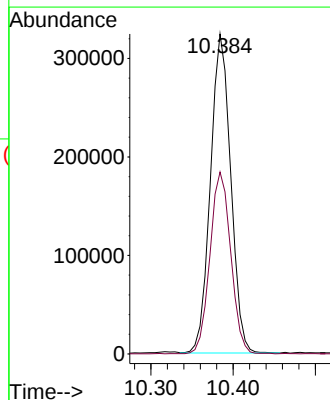
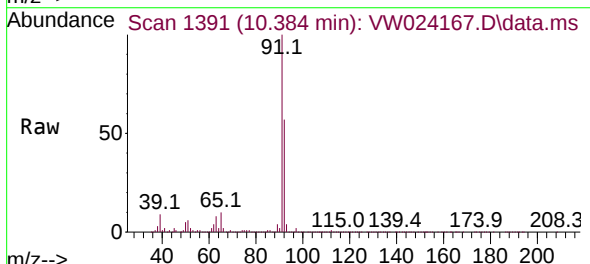
Instrument :
MSVOA_W
ClientSampleId :
C0ZF1

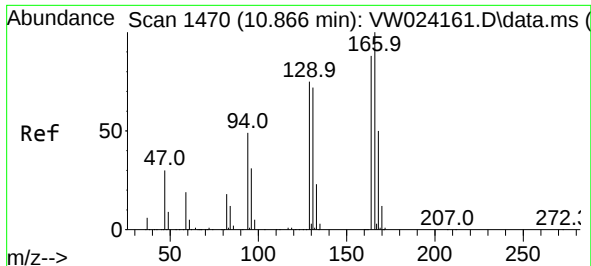
Tgt Ion: 83 Resp: 230525
Ion Ratio Lower Upper
83 100
55 78.5 59.1 88.7
98 51.3 40.8 61.2



#42
Toluene
Concen: 25.987 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VW024167.D
Acq: 04 Aug 2022 17:53

Tgt Ion: 91 Resp: 555130
Ion Ratio Lower Upper
91 100
92 56.9 41.4 77.0

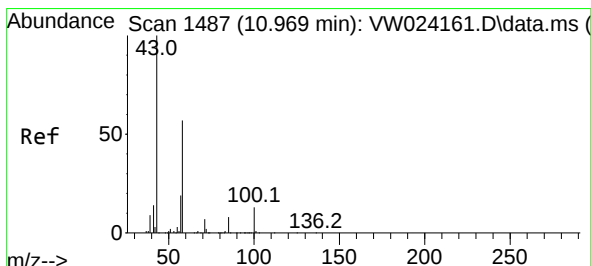
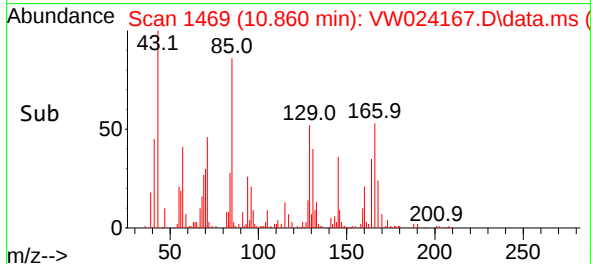
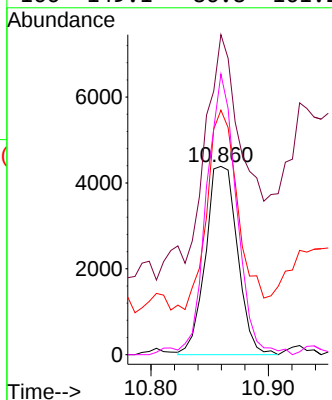
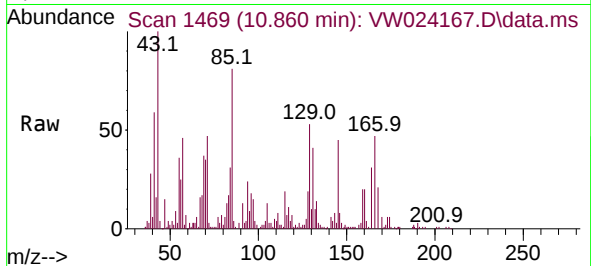




#46
Tetrachloroethene
Concen: 1.923 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW024167.D
Acq: 04 Aug 2022 17:53

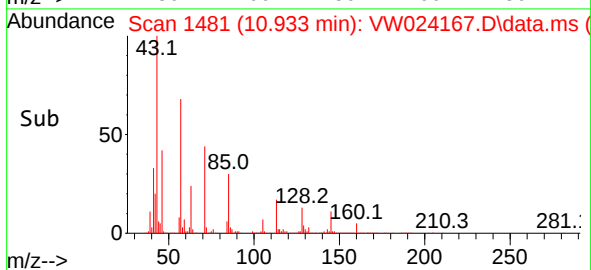
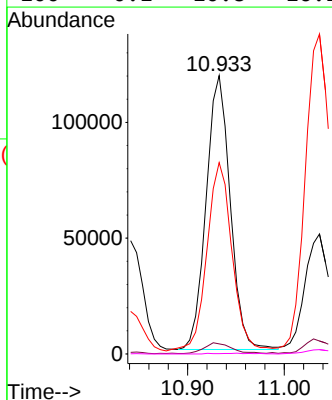
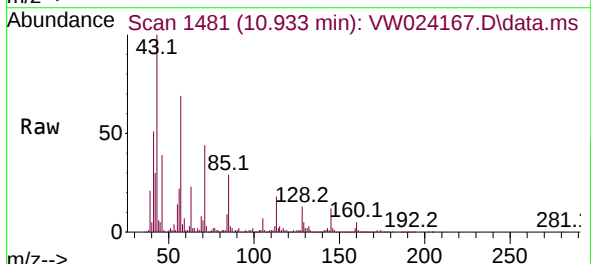
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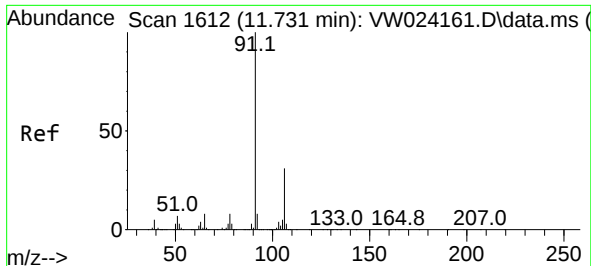
Tgt Ion:	164	Resp:	8272
Ion	Ratio	Lower	Upper
164	100		
129	169.9	63.1	117.3#
131	129.8	63.9	118.7#
166	149.1	86.8	161.2



#48
2-Hexanone
Concen: 91.518 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.037 min
Lab File: VW024167.D
Acq: 04 Aug 2022 17:53

Tgt Ion:	43	Resp:	204828
Ion	Ratio	Lower	Upper
43	100		
58	4.3	43.4	65.0#
57	71.5	15.0	22.4#
100	0.1	10.8	16.2#

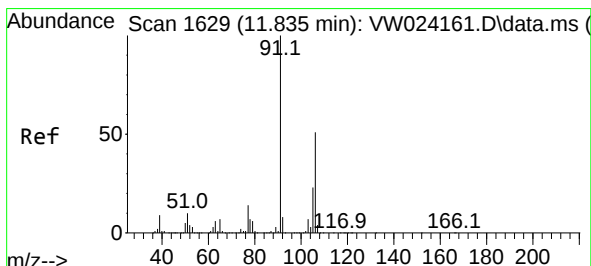
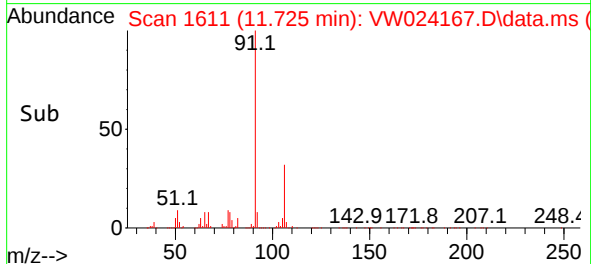
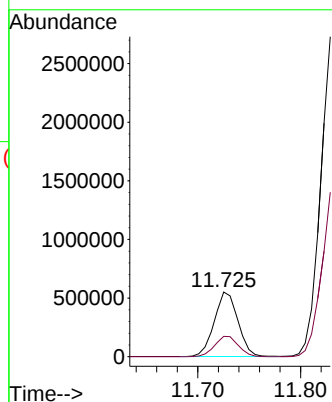
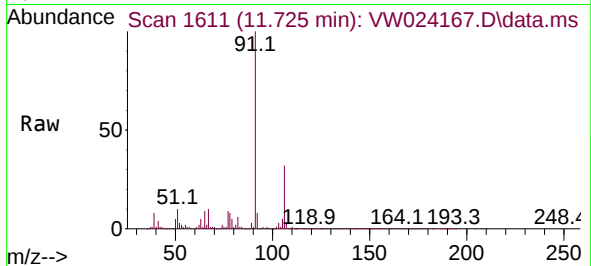




#52
Ethylbenzene
Concen: 37.416 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. -0.006 min
Lab File: VW024167.D
Acq: 04 Aug 2022 17:53

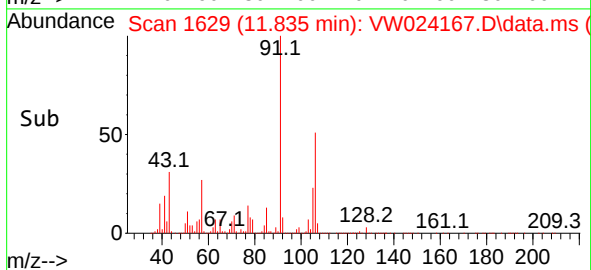
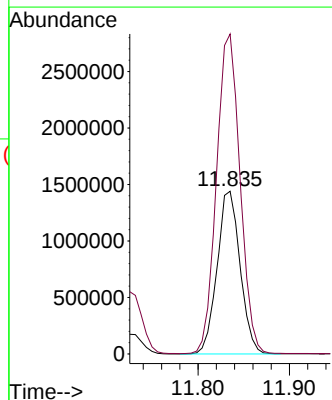
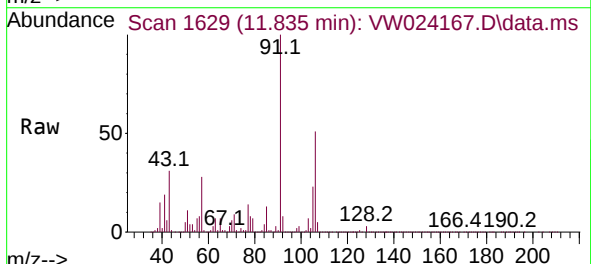
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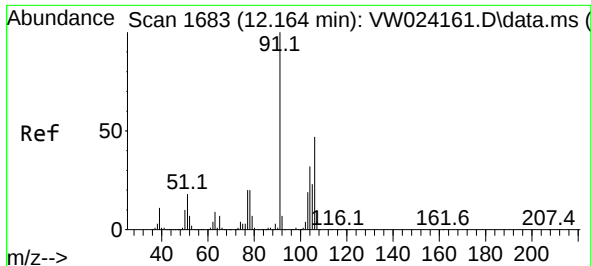
Tgt Ion: 91 Resp: 875672
Ion Ratio Lower Upper
91 100
106 31.5 21.9 40.7



#53
m,p-Xylene
Concen: 276.146 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW024167.D
Acq: 04 Aug 2022 17:53

Tgt Ion: 106 Resp: 2515716
Ion Ratio Lower Upper
106 100
91 196.7 144.1 267.7

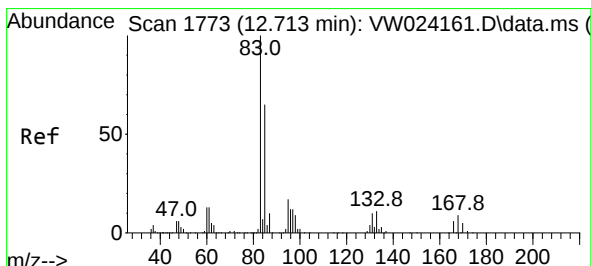
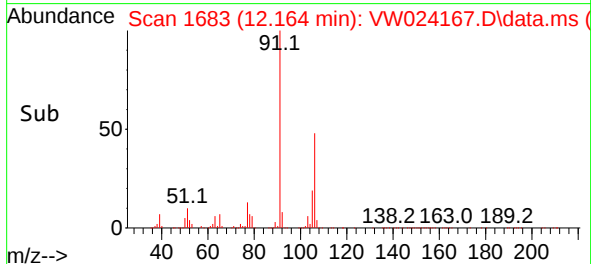
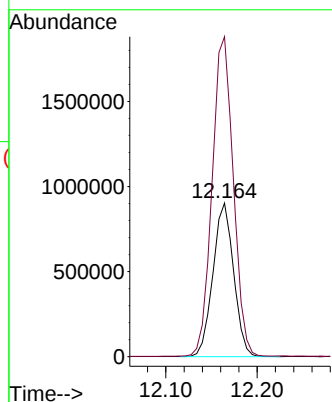
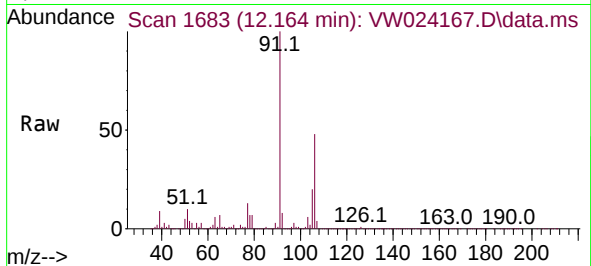




#54
o-Xylene
Concen: 164.779 ug/L
RT: 12.164 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VW024167.D
Acq: 04 Aug 2022 17:53

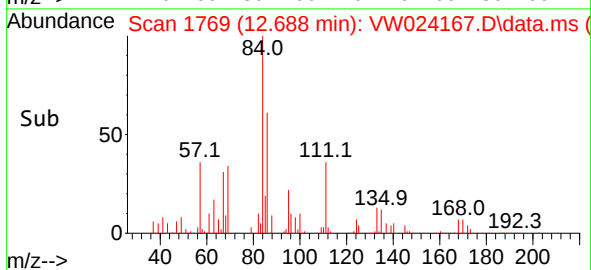
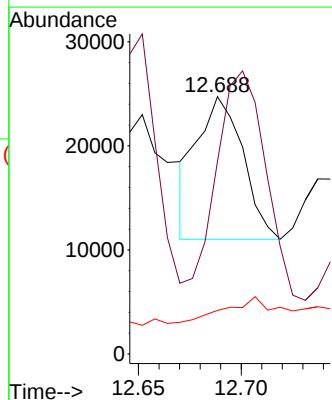
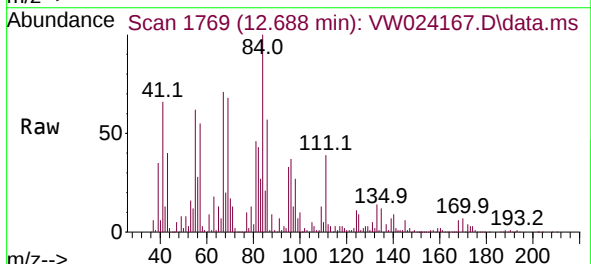
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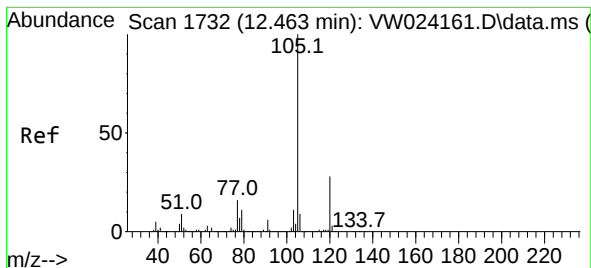
Tgt Ion:106 Resp: 1418185
Ion Ratio Lower Upper
106 100
91 208.2 150.9 280.3



#57
1,1,2,2-Tetrachloroethane
Concen: 4.069 ug/L
RT: 12.688 min Scan# 1769
Delta R.T. -0.024 min
Lab File: VW024167.D
Acq: 04 Aug 2022 17:53

Tgt Ion: 83 Resp: 21301
Ion Ratio Lower Upper
83 100
85 74.9 44.1 81.9
131 16.9 8.3 12.5#





#60

Isopropylbenzene

Concen: 31.291 ug/L

RT: 12.463 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW024167.D

Acq: 04 Aug 2022 17:53

Instrument :

MSVOA_W

ClientSampleId :

C0ZF1

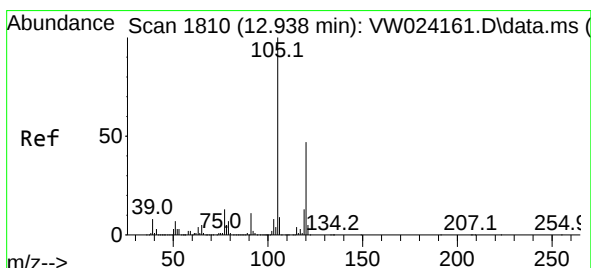
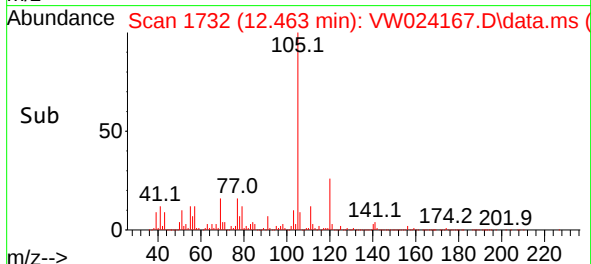
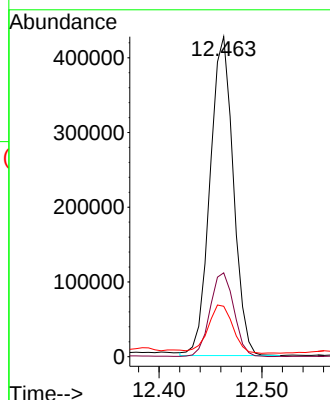
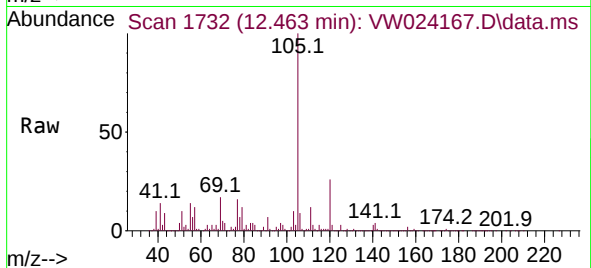
Tgt Ion:105 Resp: 670967

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

77 16.4 12.4 18.6



#62

1,3,5-Trimethylbenzene

Concen: 298.799 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW024167.D

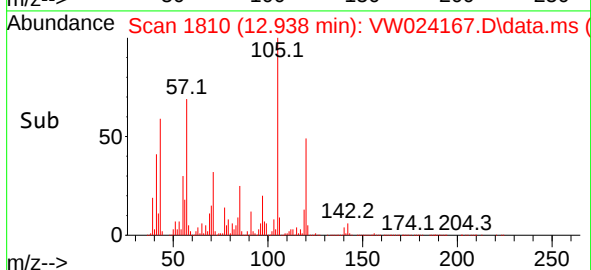
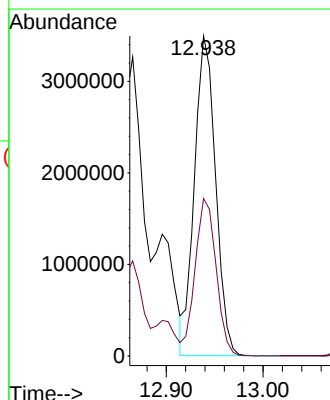
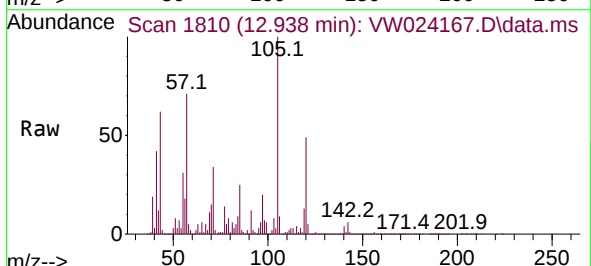
Acq: 04 Aug 2022 17:53

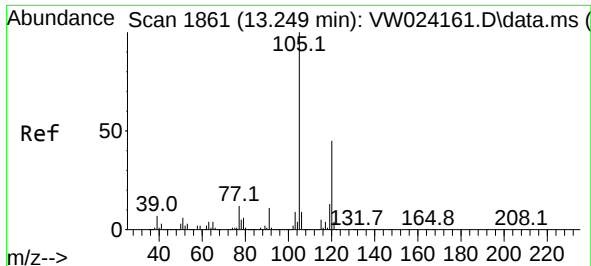
Tgt Ion:105 Resp: 5294619

Ion Ratio Lower Upper

105 100

120 49.1 39.7 59.5

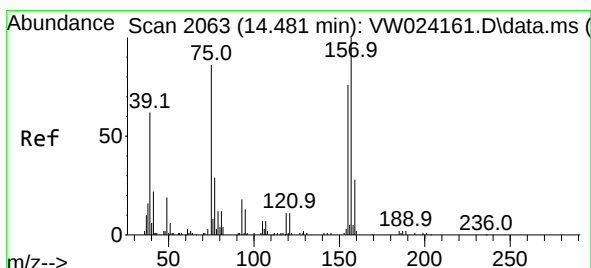
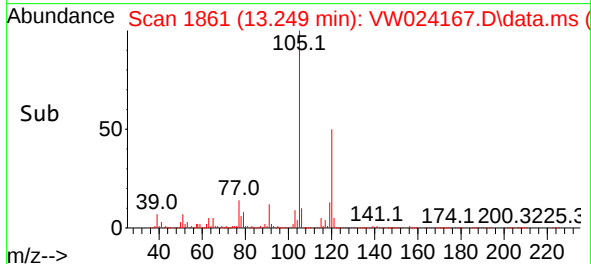
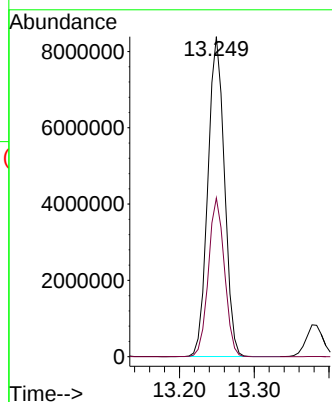
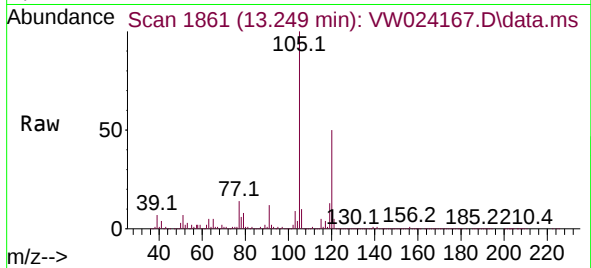




#63
1,2,4-Trimethylbenzene
Concen: 739.797 ug/L
RT: 13.249 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW024167.D
Acq: 04 Aug 2022 17:53

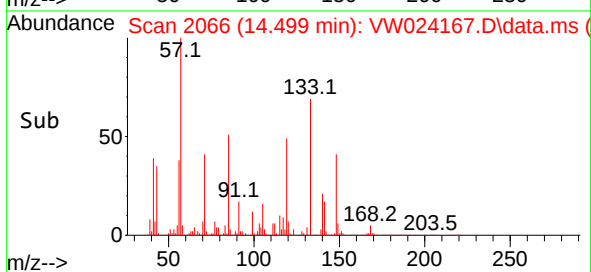
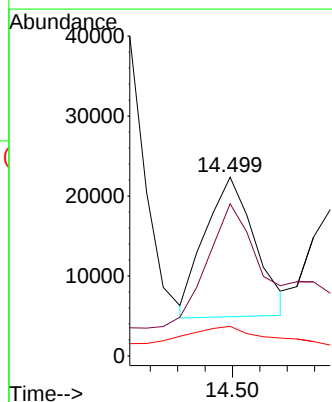
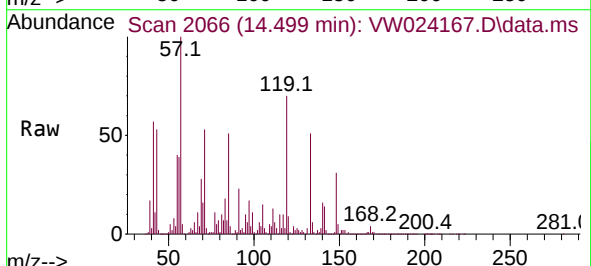
Instrument :
MSVOA_W
ClientSampleId :
C0ZF1

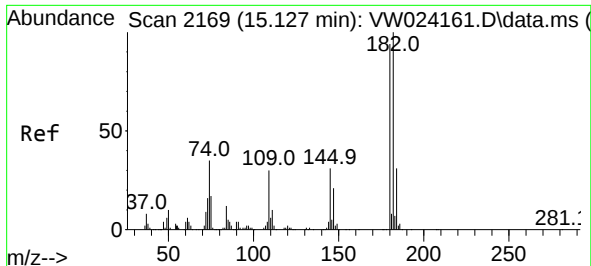
Tgt Ion:105 Resp:12910341
Ion Ratio Lower Upper
105 100
120 48.1 36.4 54.6



#68
1,2-Dibromo-3-chloropropane
Concen: 26.890 ug/L
RT: 14.499 min Scan# 2066
Delta R.T. 0.018 min
Lab File: VW024167.D
Acq: 04 Aug 2022 17:53

Tgt Ion: 75 Resp: 22146
Ion Ratio Lower Upper
75 100
155 85.2 68.8 103.2
157 16.6 91.5 137.3#

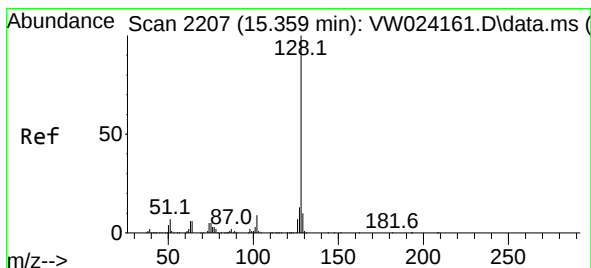
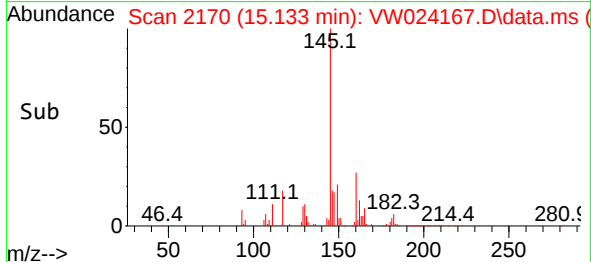
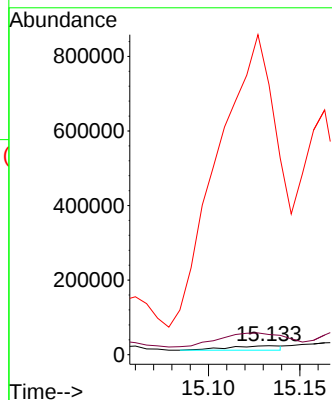
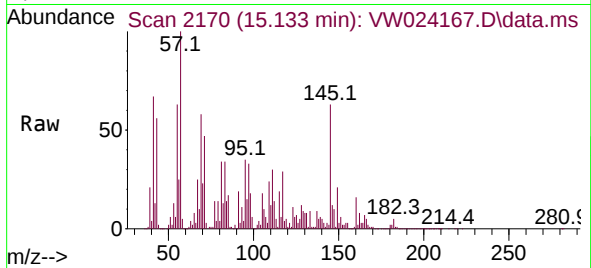




#70
1,2,4-trichlorobenzene
Concen: 4.576 ug/L
RT: 15.133 min Scan# 2169
Delta R.T. 0.006 min
Lab File: VW024167.D
Acq: 04 Aug 2022 17:53

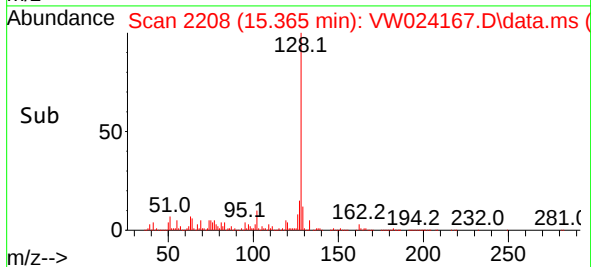
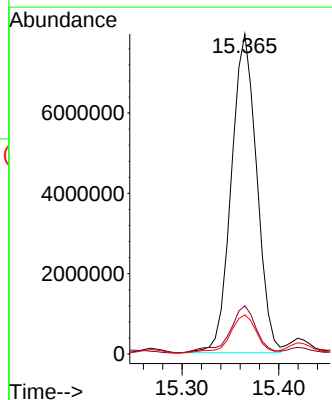
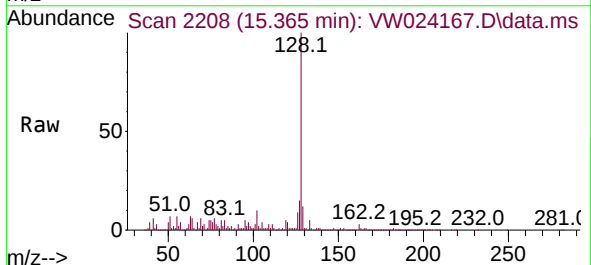
Instrument :
MSVOA_W
ClientSampleId :
C0ZF1

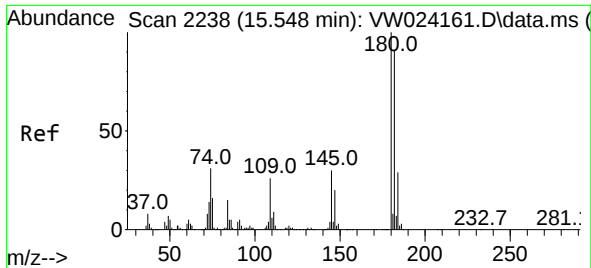
Tgt Ion:180 Resp: 25230
Ion Ratio Lower Upper
180 100
182 386.3 75.0 112.4#
145 7256.7 25.1 37.7#



#71
Naphthalene
Concen: 1350.117 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.006 min
Lab File: VW024167.D
Acq: 04 Aug 2022 17:53

Tgt Ion:128 Resp:14500145
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 12.2 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 13.597 ug/L
 RT: 15.578 min Scan# 21
 Delta R.T. 0.030 min
 Lab File: VW024167.D
 Acq: 04 Aug 2022 17:53

Instrument :
 MSVOA_W
 ClientSampleId :
 C0ZF1

Tgt Ion:180 Resp: 68257
 Ion Ratio Lower Upper
 180 100
 182 79.3 75.4 113.2
 145 3165.9 26.9 40.3#

