

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121124\
 Data File : VW031211.D
 Acq On : 11 Dec 2024 14:05
 Operator : SY/MD
 Sample : P5153-16
 Misc : 8.66g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 12 03:03:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 12 03:01:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	278513	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.721	117	384	25.000	ug/L	0.09
58) 1,4-Dichlorobenzene-d4	13.550	152	107428	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	89078	20.783	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.120%
7) Chloroethane-d5	2.899	69	77134	23.196	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.800%
11) 1,1-Dichloroethene-d2	4.015	65	40715	20.821	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.280%
21) 2-Butanone-d5	7.094	46	49116	65.525	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.060%
24) Chloroform-d	7.648	84	219751	26.939	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.760%
26) 1,2-Dichloroethane-d4	8.307	65	128938	32.122	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	128.480%
32) Benzene-d6	8.270	84	351464	14891.620	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	59566.480%#
36) 1,2-Dichloropropane-d6	9.270	67	132862	19218.063	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	76872.240%#
41) Toluene-d8	10.319	98	309359	14524.427	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	58097.720%#
43) trans-1,3-Dichloroprop...	10.575	79	49590	17816.921	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	71267.680%#
47) 2-Hexanone-d5	10.922	63	33285	41094.230	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82188.460%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	105251	22558.331	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90233.320%#
66) 1,2-Dichlorobenzene-d4	13.848	152	103286	27.068	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.280%
Target Compounds						
					Qvalue	
29) Cyclohexane	7.935	56	121	12.519	ug/L	# 1
30) 1,1,1-Trichloroethane	7.789	97	20	1.934	ug/L	# 1
31) Carbon tetrachloride	8.045	117	21	2.222	ug/L	90
33) Benzene	8.325	78	170	6.547	ug/L	100
34) Trichloroethene	9.081	95	128	17.870	ug/L	# 28
35) Methylcyclohexane	9.331	83	176	15.441	ug/L	# 35
37) 1,2-Dichloropropane	9.368	63	138	21.363	ug/L	# 1
38) Bromodichloromethane	9.660	83	61	7.214	ug/L	# 22
39) cis-1,3-Dichloropropene	10.038	75	4021	412.287	ug/L	96
40) 4-Methyl-2-pentanone	10.197	43	92	31.805	ug/L	# 24
42) Toluene	10.386	91	481	17.584	ug/L	91
44) trans-1,3-Dichloropropene	10.575	75	2487	310.177	ug/L	99
45) 1,1,2-Trichloroethane	10.544	97	92	20.724	ug/L	87
48) 2-Hexanone	10.965	43	571	218.188	ug/L	# 41
49) Dibromochloromethane	11.172	129	20	4.090	ug/L	# 13
50) 1,2-Dibromoethane	11.233	107	46	11.088	ug/L	# 3
51) Chlorobenzene	11.642	112	241	13.802	ug/L	# 1
52) Ethylbenzene	11.733	91	119	3.839	ug/L	92
53) m,p-Xylene	11.837	106	154	13.349	ug/L	86

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120424SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 12 03:01:22 2024
Response via : Initial Calibration

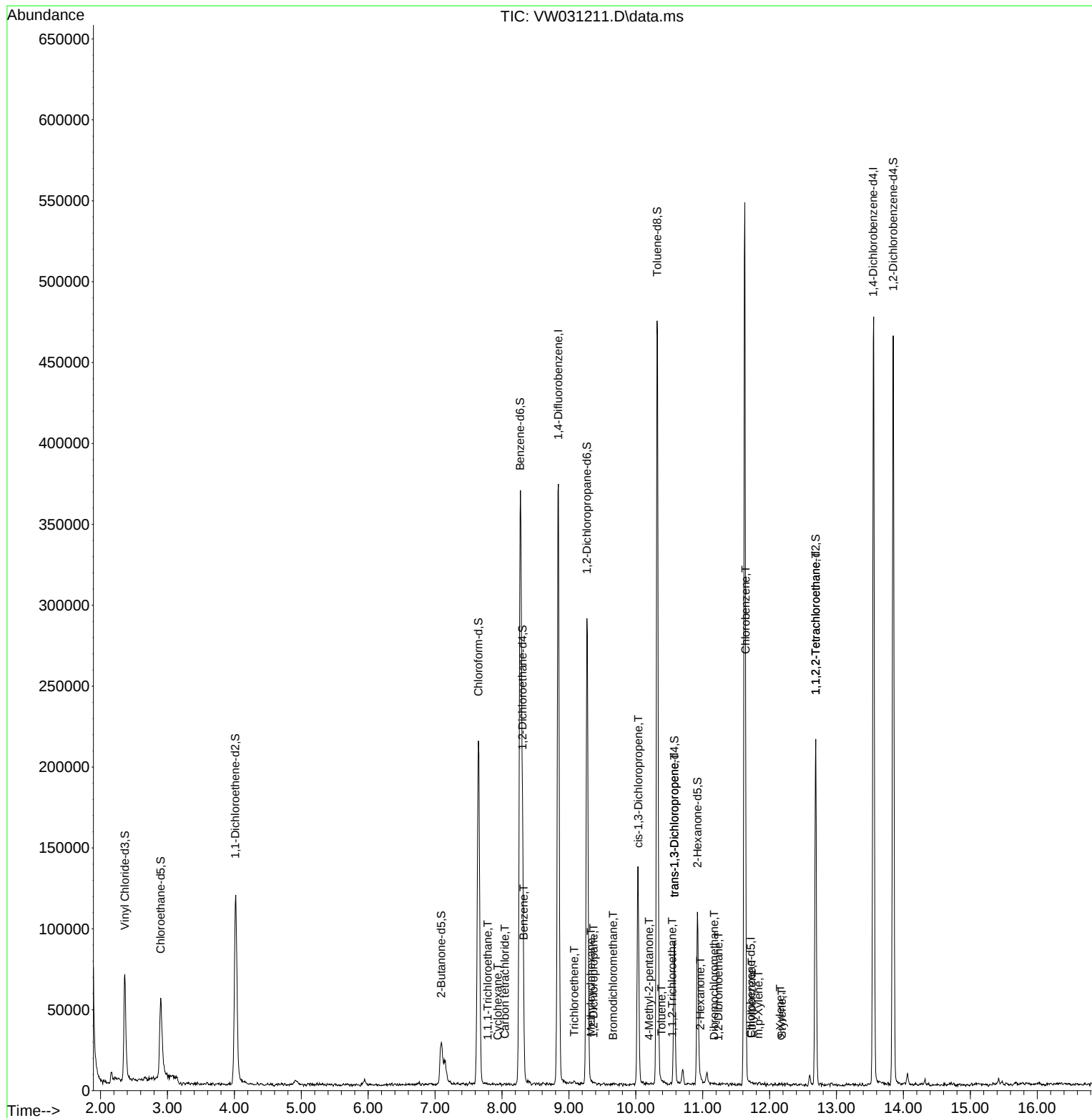
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	12.160	106	133	12.392	ug/L #	10
55) Styrene	12.184	104	153	8.469	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.690	83	356	74.024	ug/L #	1

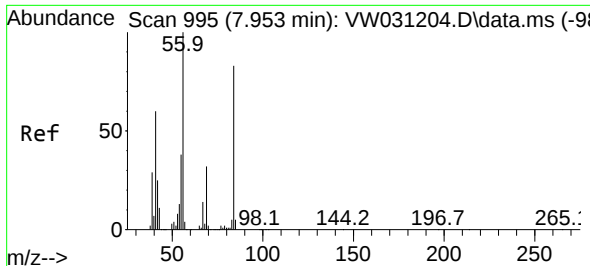
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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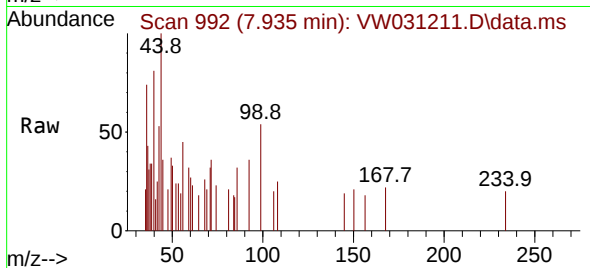
Quant Time: Dec 12 03:03:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120424SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 12 03:01:22 2024
Response via : Initial Calibration





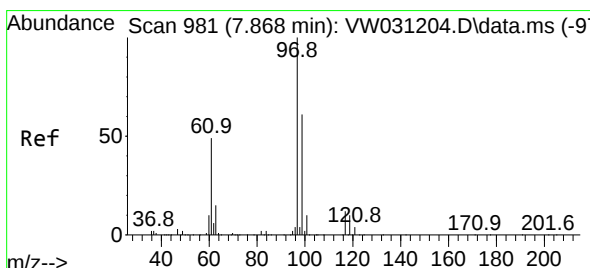
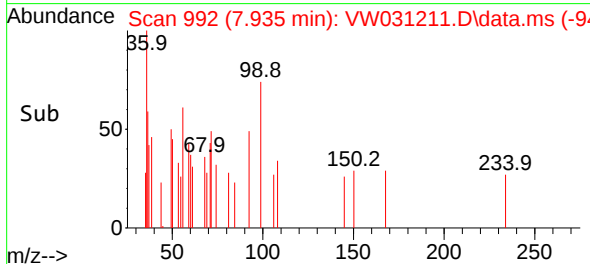
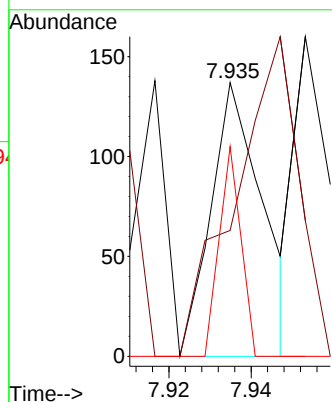
#29
Cyclohexane
Concen: 12.519 ug/L
RT: 7.935 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW031211.D
Acq: 11 Dec 2024 14:05

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 56 Resp: 121

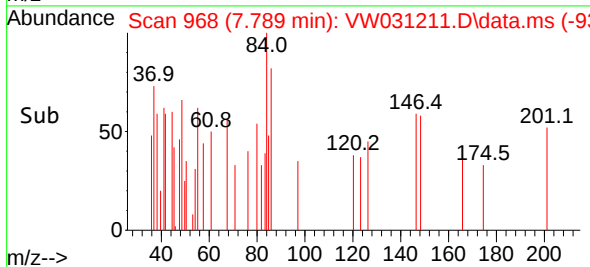
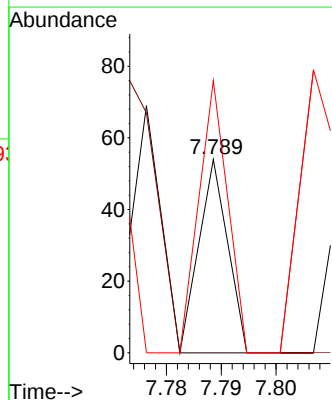
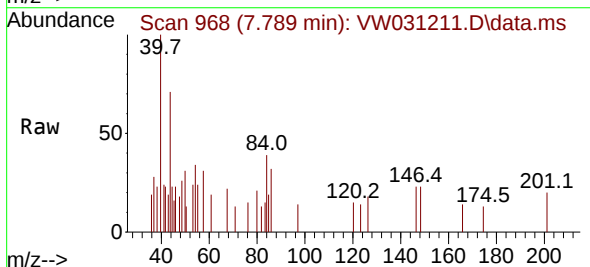
Ion	Ratio	Lower	Upper
56	100		
69	141.3	25.4	38.2#
84	0.0	71.1	106.7#

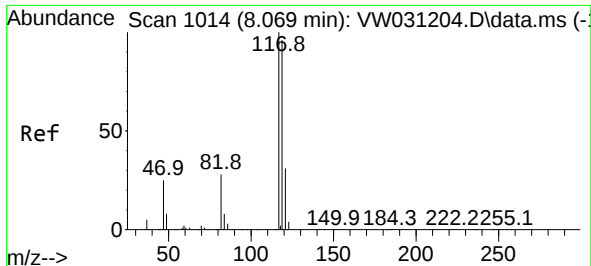


#30
1,1,1-Trichloroethane
Concen: 1.934 ug/L
RT: 7.789 min Scan# 968
Delta R.T. -0.079 min
Lab File: VW031211.D
Acq: 11 Dec 2024 14:05

Tgt Ion: 97 Resp: 20

Ion	Ratio	Lower	Upper
97	100		
99	95.0	51.6	77.4#
61	495.0	33.8	50.6#

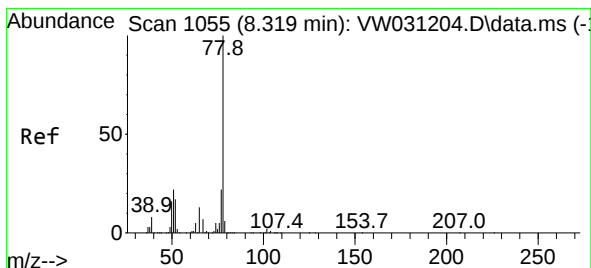
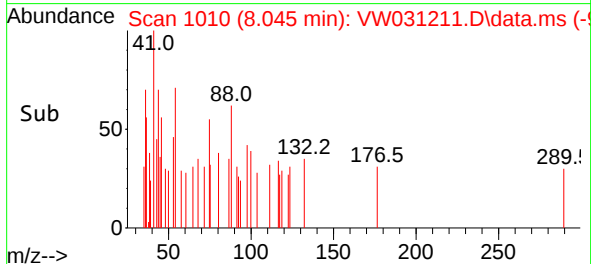
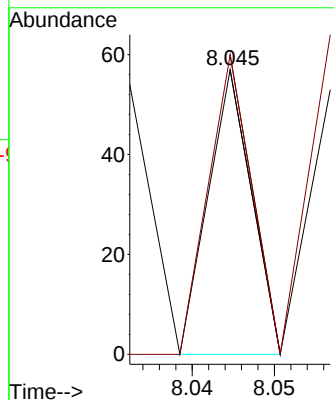
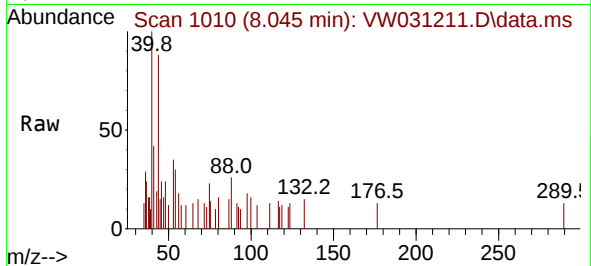




#31
Carbon tetrachloride
Concen: 2.222 ug/L
RT: 8.045 min Scan# 1014
Delta R.T. -0.024 min
Lab File: VW031211.D
Acq: 11 Dec 2024 14:05

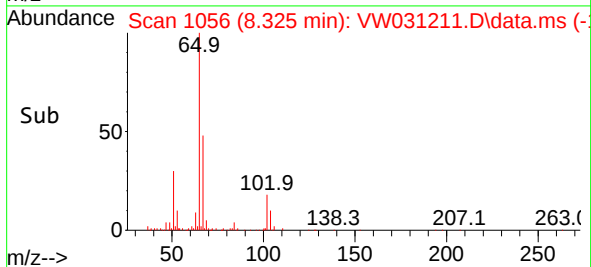
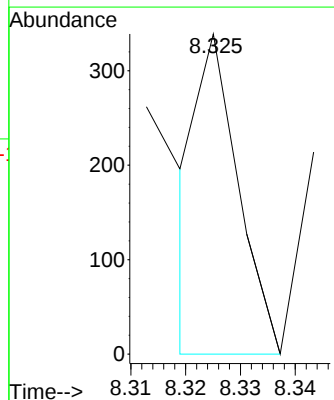
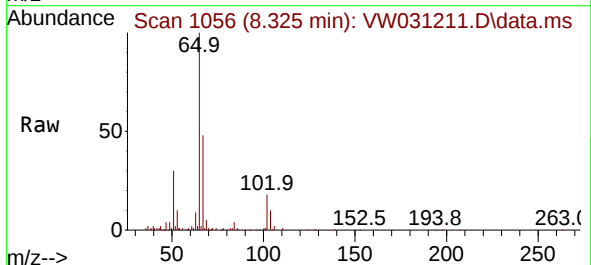
Instrument :
MSVOA_W
ClientSampleId :

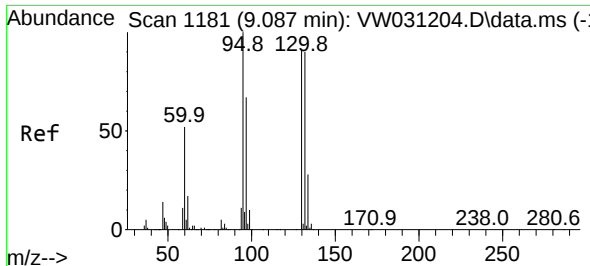
Tgt Ion:117 Resp: 21
Ion Ratio Lower Upper
117 100
119 104.8 75.8 113.8



#33
Benzene
Concen: 6.547 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW031211.D
Acq: 11 Dec 2024 14:05

Tgt Ion: 78 Resp: 170





#34

Trichloroethene

Concen: 17.870 ug/L

RT: 9.081 min Scan# 1181

Delta R.T. -0.006 min

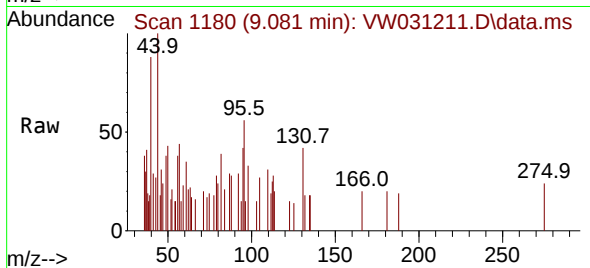
Lab File: VW031211.D

Acq: 11 Dec 2024 14:05

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 128

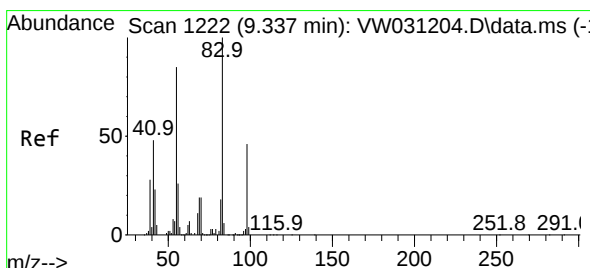
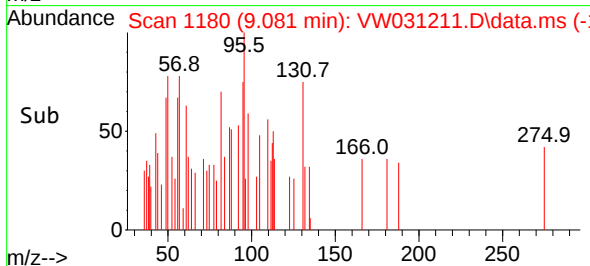
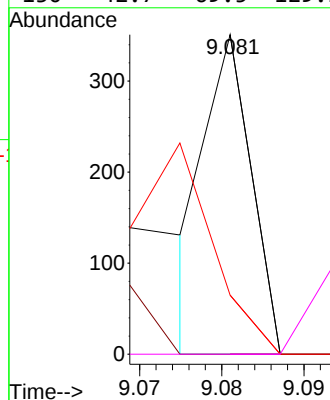
Ion Ratio Lower Upper

95 100

97 0.0 48.0 89.2#

132 18.5 67.4 125.2#

130 42.7 69.5 129.1#



#35

Methylcyclohexane

Concen: 15.441 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW031211.D

Acq: 11 Dec 2024 14:05

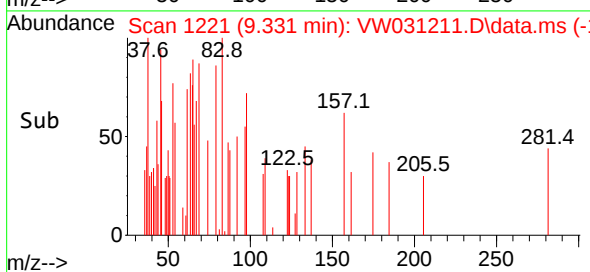
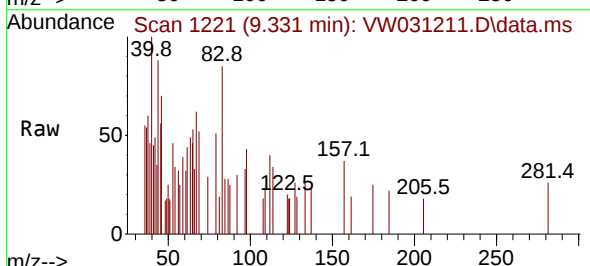
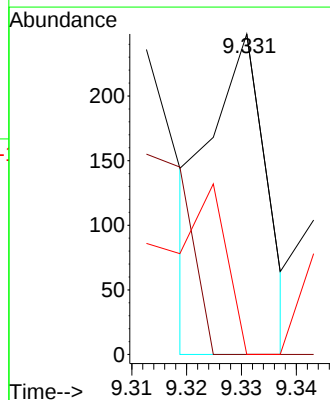
Tgt Ion: 83 Resp: 176

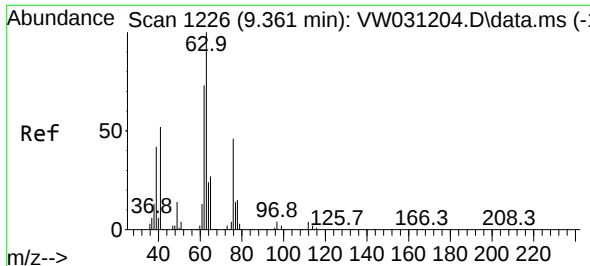
Ion Ratio Lower Upper

83 100

55 0.0 59.5 89.3#

98 27.3 38.7 58.1#





#37

1,2-Dichloropropane

Concen: 21.363 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW031211.D

Acq: 11 Dec 2024 14:05

Instrument :

MSVOA_W

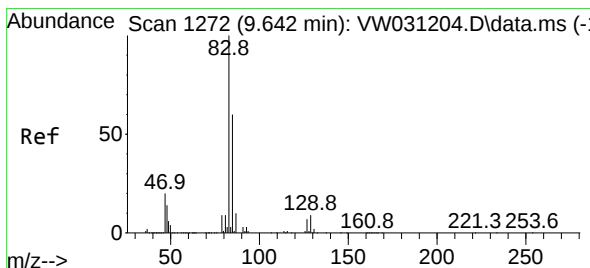
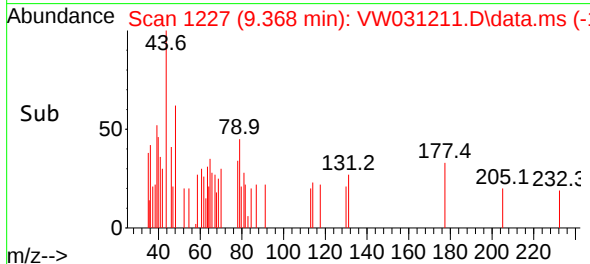
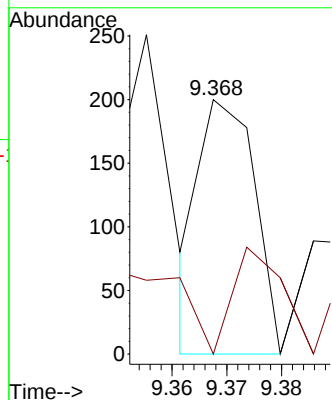
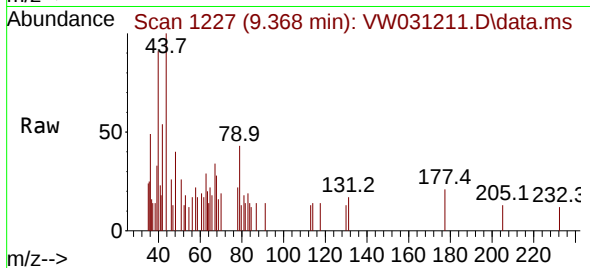
ClientSampleId :

Tgt Ion: 63 Resp: 138

Ion Ratio Lower Upper

63 100

112 38.4 3.9 5.9#



#38

Bromodichloromethane

Concen: 7.214 ug/L

RT: 9.660 min Scan# 1275

Delta R.T. 0.018 min

Lab File: VW031211.D

Acq: 11 Dec 2024 14:05

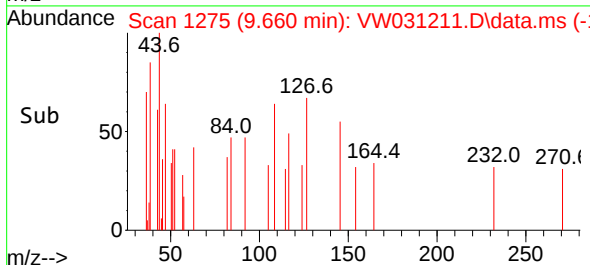
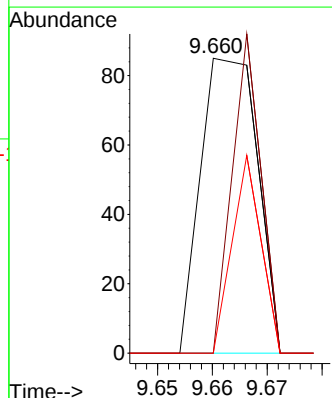
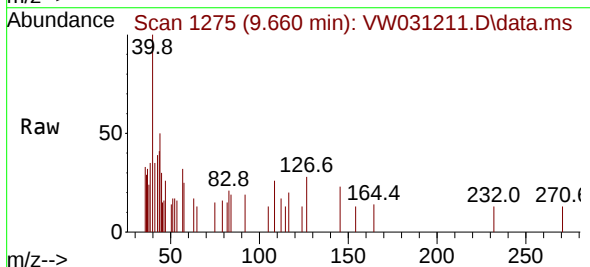
Tgt Ion: 83 Resp: 61

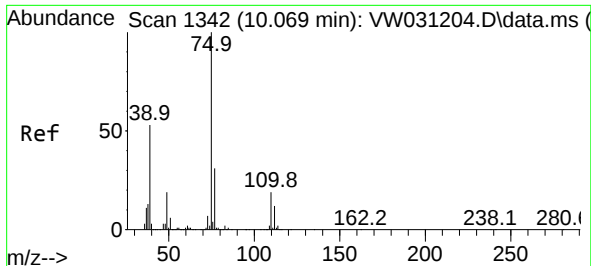
Ion Ratio Lower Upper

83 100

85 0.0 48.7 90.5#

127 0.0 7.2 10.8#

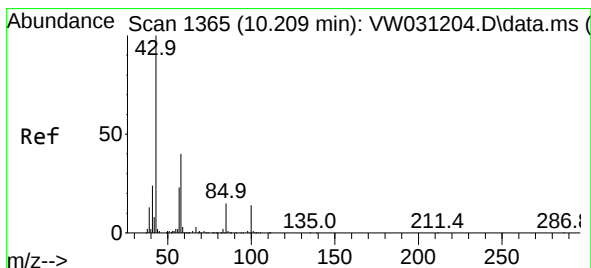
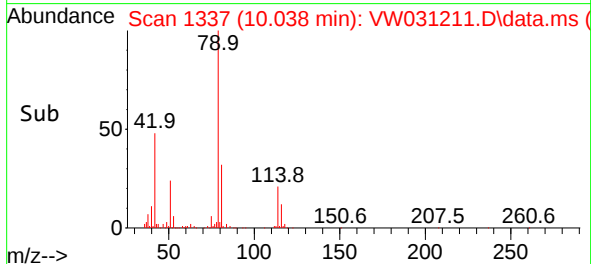
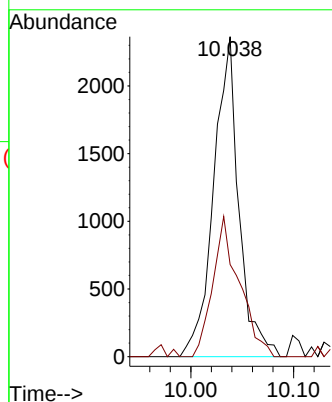
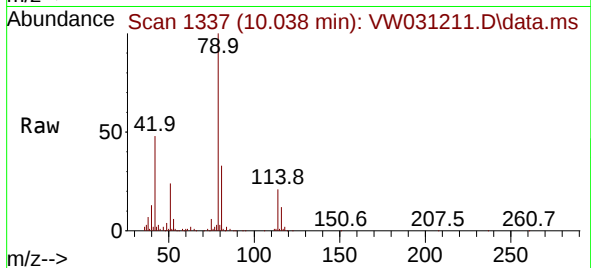




#39
 cis-1,3-Dichloropropene
 Concen: 412.287 ug/L
 RT: 10.038 min Scan# 11
 Delta R.T. -0.030 min
 Lab File: VW031211.D
 Acq: 11 Dec 2024 14:05

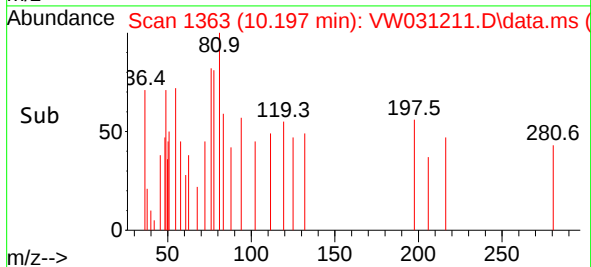
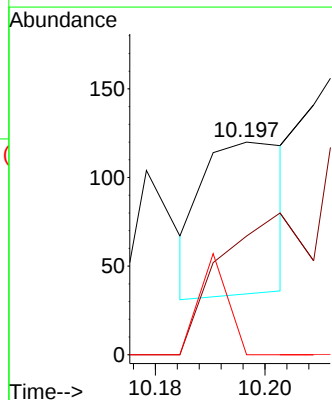
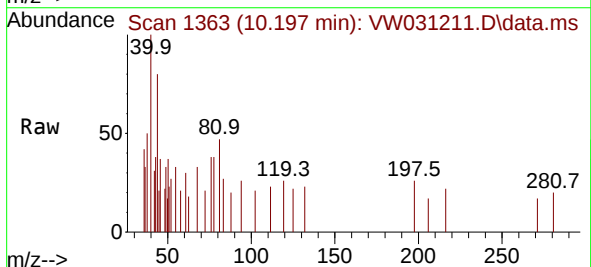
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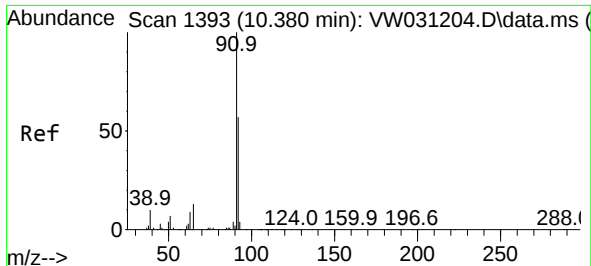
Tgt Ion: 75 Resp: 4021
 Ion Ratio Lower Upper
 75 100
 77 28.8 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 31.805 ug/L
 RT: 10.197 min Scan# 1363
 Delta R.T. -0.012 min
 Lab File: VW031211.D
 Acq: 11 Dec 2024 14:05

Tgt Ion: 43 Resp: 92
 Ion Ratio Lower Upper
 43 100
 58 100.0 33.7 50.5#
 100 0.0 14.2 21.2#

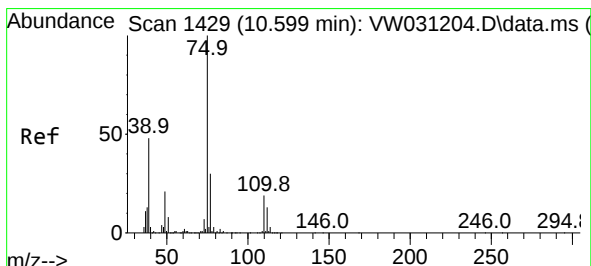
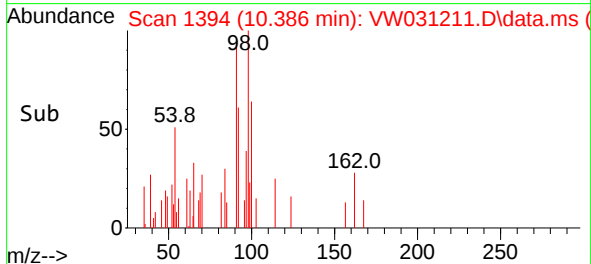
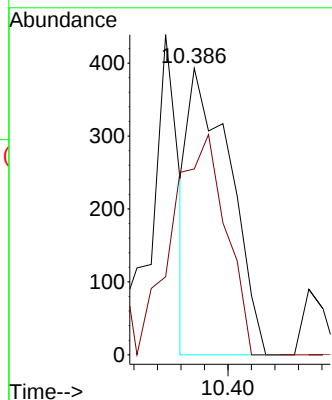
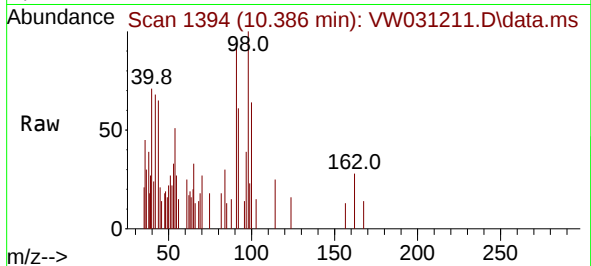




#42
Toluene
Concen: 17.584 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031211.D
Acq: 11 Dec 2024 14:05

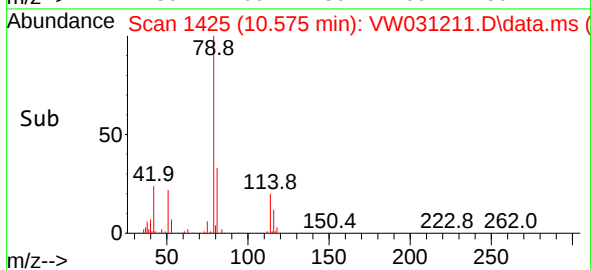
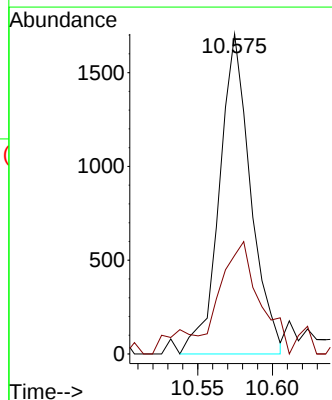
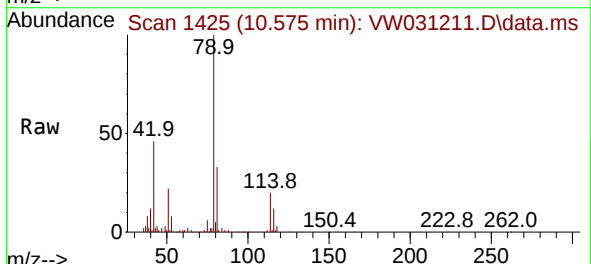
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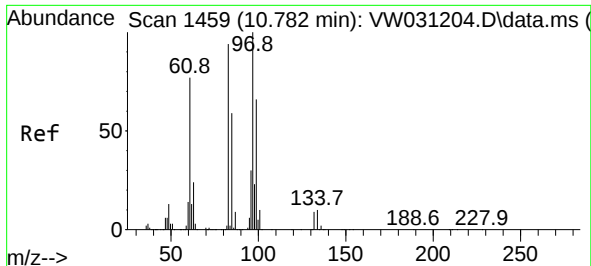
Tgt Ion: 91 Resp: 481
Ion Ratio Lower Upper
91 100
92 64.9 40.8 75.8



#44
trans-1,3-Dichloropropene
Concen: 310.177 ug/L
RT: 10.575 min Scan# 1425
Delta R.T. -0.024 min
Lab File: VW031211.D
Acq: 11 Dec 2024 14:05

Tgt Ion: 75 Resp: 2487
Ion Ratio Lower Upper
75 100
77 30.8 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 20.724 ug/L

RT: 10.544 min Scan# 14

Delta R.T. -0.238 min

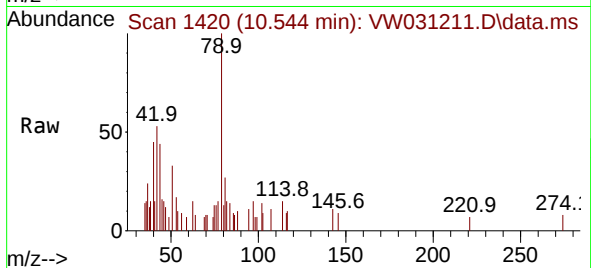
Lab File: VW031211.D

Acq: 11 Dec 2024 14:05

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 92

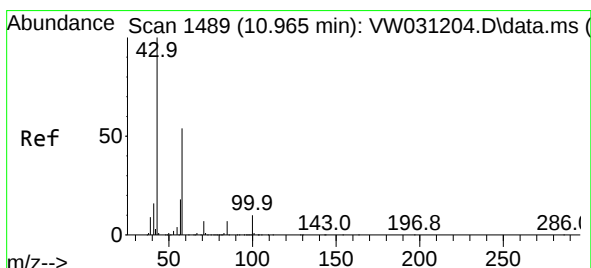
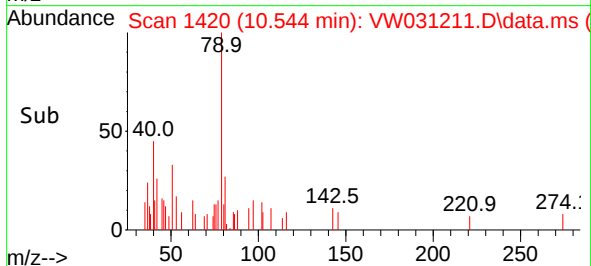
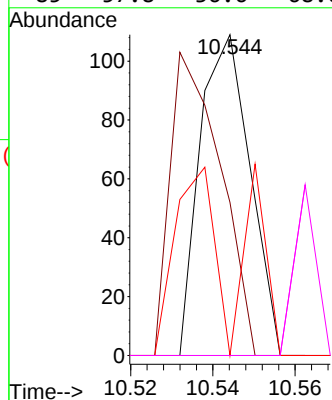
Ion Ratio Lower Upper

97 100

99 47.7 42.4 78.8

83 93.6 57.8 107.4

85 57.8 36.6 68.0



#48

2-Hexanone

Concen: 218.188 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW031211.D

Acq: 11 Dec 2024 14:05

Tgt Ion: 43 Resp: 571

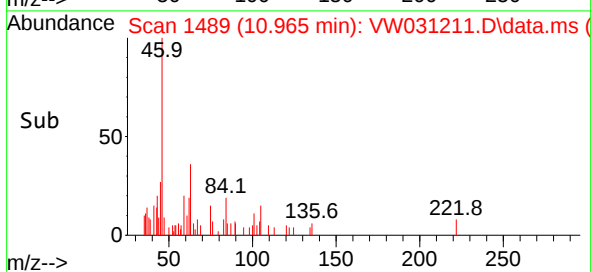
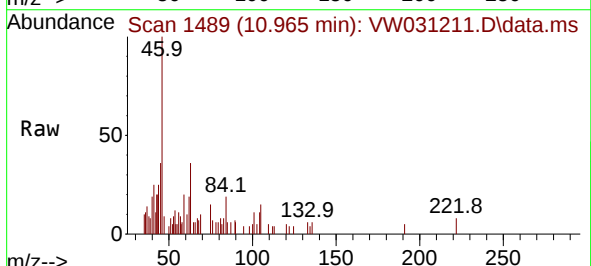
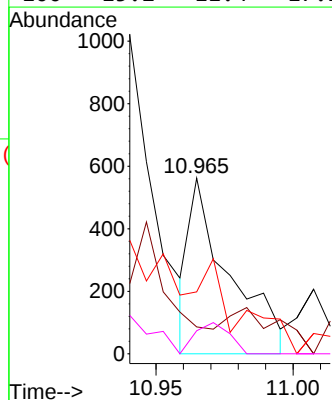
Ion Ratio Lower Upper

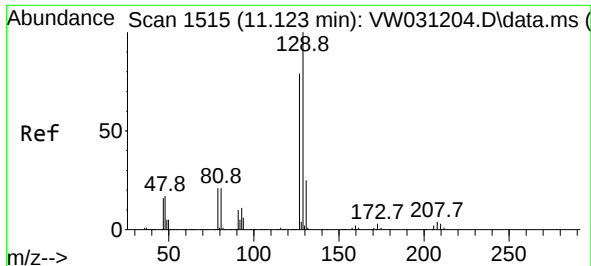
43 100

58 0.0 49.8 74.6#

57 36.6 16.6 24.8#

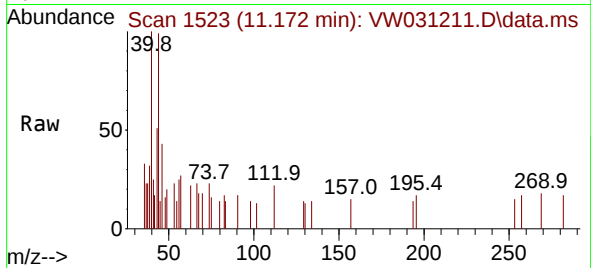
100 15.2 11.4 17.2



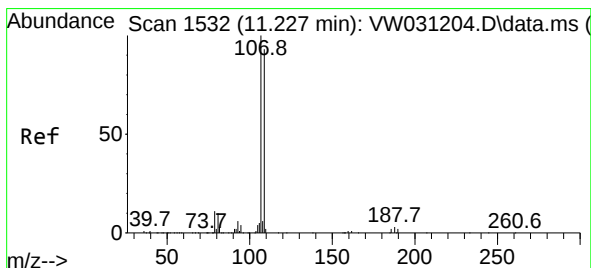
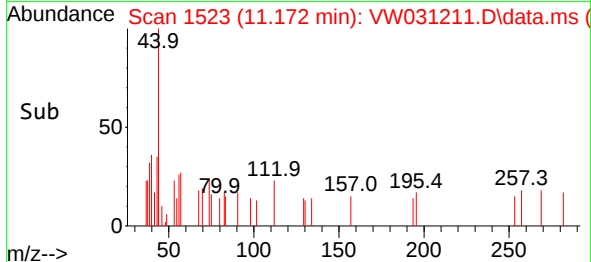
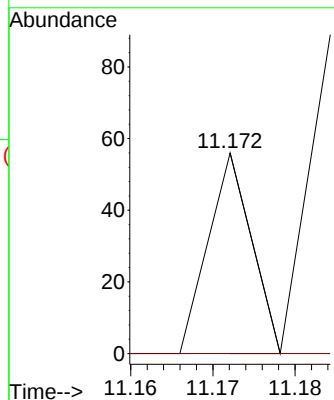


#49
Dibromochloromethane
Concen: 4.090 ug/L
RT: 11.172 min Scan# 11
Delta R.T. 0.049 min
Lab File: VW031211.D
Acq: 11 Dec 2024 14:05

Instrument :
MSVOA_W
ClientSampleId :

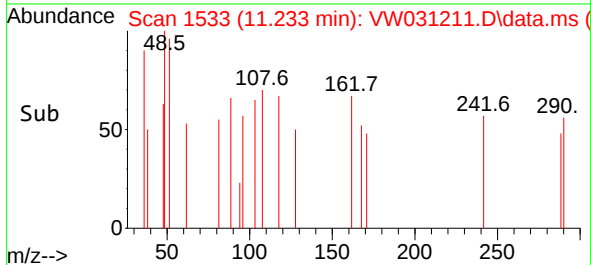
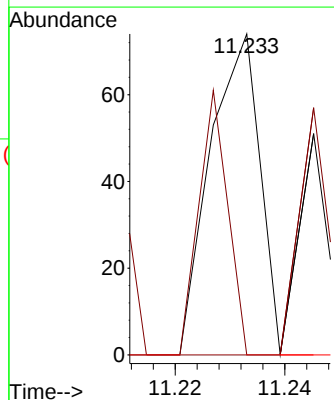
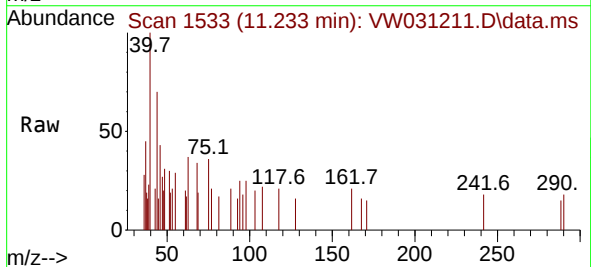


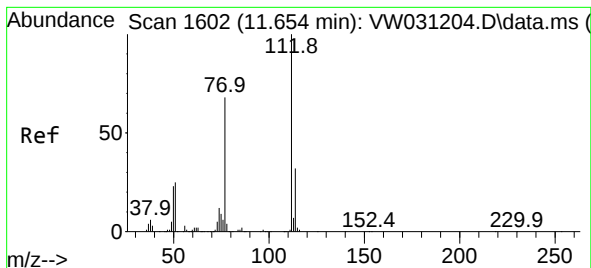
Tgt Ion:129 Resp: 20
Ion Ratio Lower Upper
129 100
127 0.0 51.4 95.4#



#50
1,2-Dibromoethane
Concen: 11.088 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.006 min
Lab File: VW031211.D
Acq: 11 Dec 2024 14:05

Tgt Ion:107 Resp: 46
Ion Ratio Lower Upper
107 100
109 0.0 71.0 131.9#
188 0.0 3.0 4.4#





#51

Chlorobenzene

Concen: 13.802 ug/L

RT: 11.642 min Scan# 1

Delta R.T. -0.012 min

Lab File: VW031211.D

Acq: 11 Dec 2024 14:05

Instrument :

MSVOA_W

ClientSampleId :

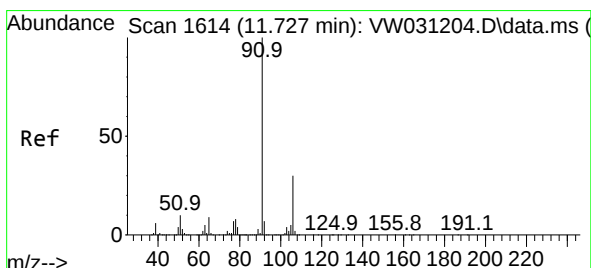
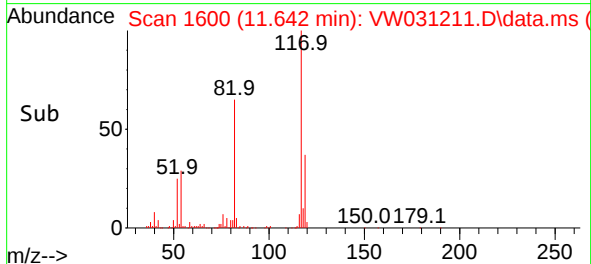
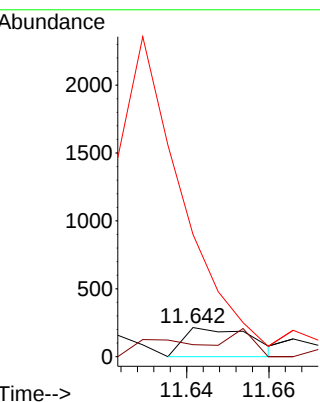
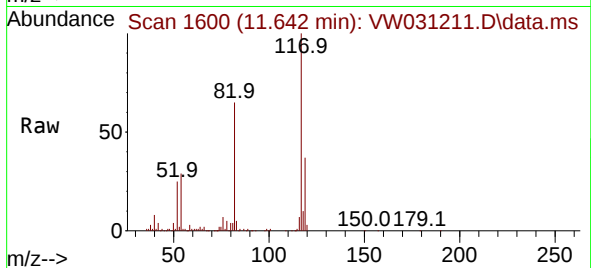
Tgt Ion:112 Resp: 241

Ion Ratio Lower Upper

112 100

114 291.1 21.2 39.4#

77 420.6 45.4 68.0#



#52

Ethylbenzene

Concen: 3.839 ug/L

RT: 11.733 min Scan# 1615

Delta R.T. 0.006 min

Lab File: VW031211.D

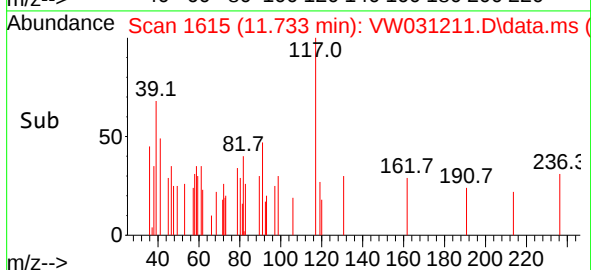
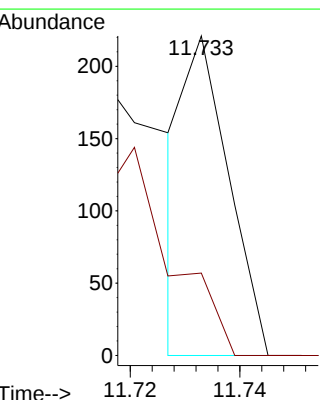
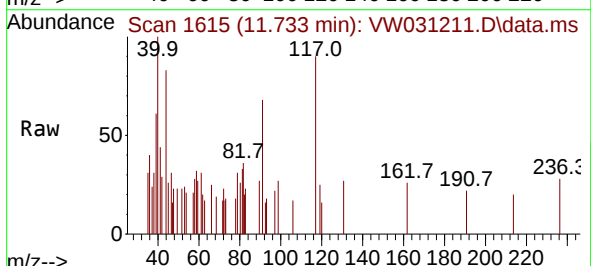
Acq: 11 Dec 2024 14:05

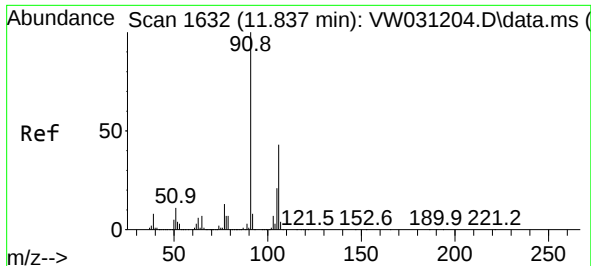
Tgt Ion: 91 Resp: 119

Ion Ratio Lower Upper

91 100

106 25.8 21.3 39.5

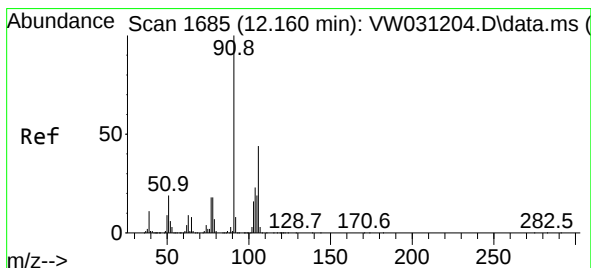
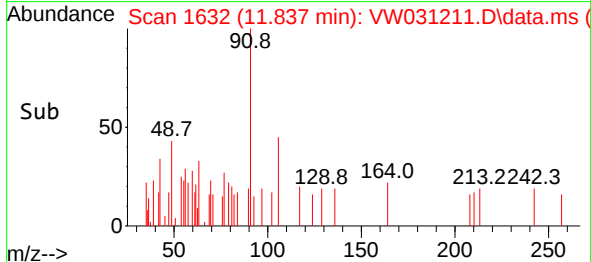
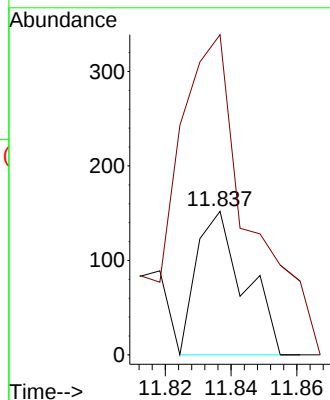
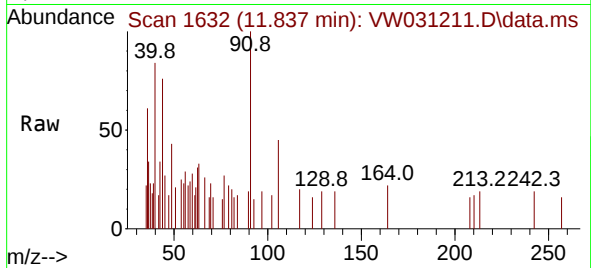




#53
m,p-Xylene
Concen: 13.349 ug/L
RT: 11.837 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031211.D
Acq: 11 Dec 2024 14:05

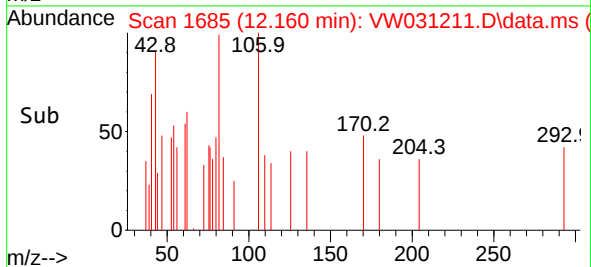
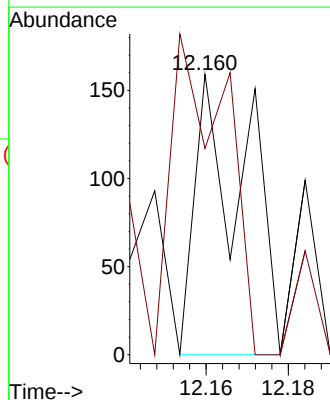
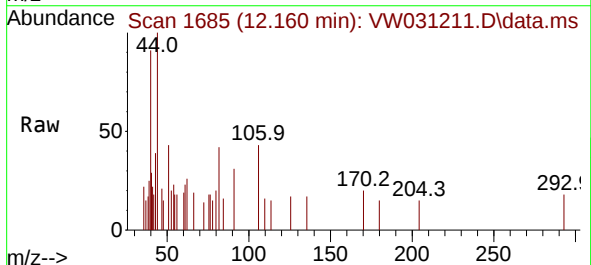
Instrument :
MSVOA_W
ClientSampleId :

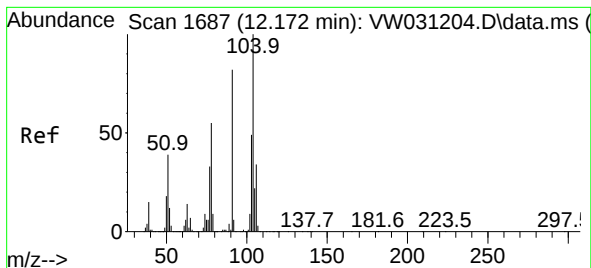
Tgt Ion:106 Resp: 154
Ion Ratio Lower Upper
106 100
91 223.0 140.9 261.7



#54
o-Xylene
Concen: 12.392 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW031211.D
Acq: 11 Dec 2024 14:05

Tgt Ion:106 Resp: 133
Ion Ratio Lower Upper
106 100
91 73.6 152.7 283.5#





#55

Styrene

Concen: 8.469 ug/L

RT: 12.184 min Scan# 1

Delta R.T. 0.012 min

Lab File: VW031211.D

Acq: 11 Dec 2024 14:05

Instrument :

MSVOA_W

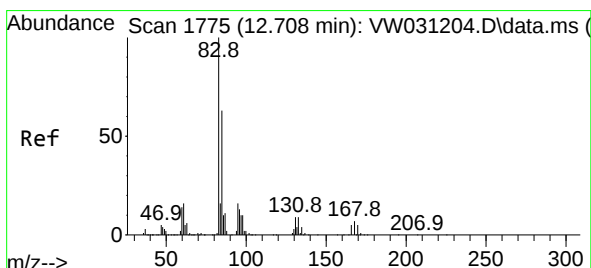
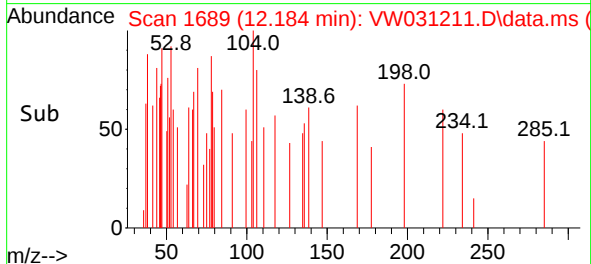
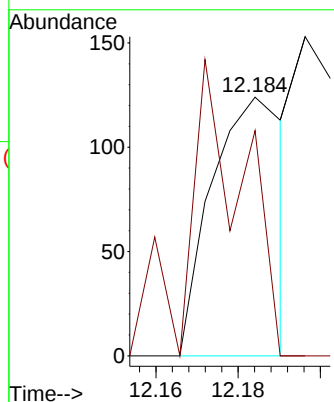
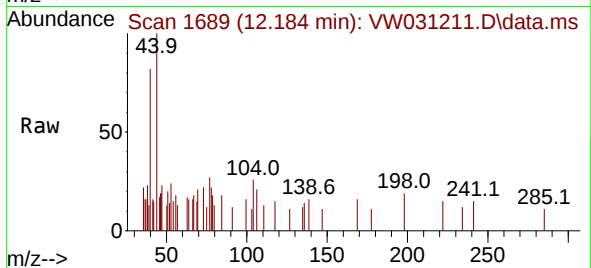
ClientSampleId :

Tgt Ion:104 Resp: 153

Ion Ratio Lower Upper

104 100

78 155.6 30.2 56.0#



#57

1,1,2,2-Tetrachloroethane

Concen: 74.024 ug/L

RT: 12.690 min Scan# 1772

Delta R.T. -0.018 min

Lab File: VW031211.D

Acq: 11 Dec 2024 14:05

Tgt Ion: 83 Resp: 356

Ion Ratio Lower Upper

83 100

85 304.4 48.3 89.7#

131 390.2 8.9 13.3#

