

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120624\
 Data File : VW031146.D
 Acq On : 06 Dec 2024 13:24
 Operator : SY/MD
 Sample : P5066-13
 Misc : 6.47g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 06 23:39:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 06 23:31:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	31381	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	15437	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	2097	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.357	65	22099	45.761	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 183.040%#	
7) Chloroethane-d5	2.893	69	16237	43.337	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 173.360%#	
11) 1,1-Dichloroethene-d2	4.021	65	8278	37.571	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 150.280%#	
21) 2-Butanone-d5	7.081	46	8488	100.501	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	= 201.000%#	
24) Chloroform-d	7.654	84	31461	34.230	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 136.920%	
26) 1,2-Dichloroethane-d4	8.301	65	17452	38.588	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 154.360%#	
32) Benzene-d6	8.270	84	51332	54.103	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 216.400%#	
36) 1,2-Dichloropropane-d6	9.270	67	17164	61.758	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 247.040%#	
41) Toluene-d8	10.325	98	23163	27.052	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 108.200%	
43) trans-1,3-Dichloroprop...	10.581	79	3107	27.768	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 111.080%	
47) 2-Hexanone-d5	10.922	63	3468	106.507	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 213.020%#	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	10755	57.340	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 229.360%#	
66) 1,2-Dichlorobenzene-d4	13.855	152	1591	21.360	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 85.440%	
Target Compounds						
						Qvalue
14) Carbon disulfide	4.381	76	972	0.665	ug/L	98
15) Methyl Acetate	4.685	43	68	0.426	ug/L #	49
27) 1,2-Dichloroethane	8.270	62	410	0.734	ug/L #	74
34) Trichloroethene	8.837	95	1123	3.900	ug/L #	5
35) Methylcyclohexane	9.276	83	4558	9.948	ug/L #	20
37) 1,2-Dichloropropane	9.276	63	2115	8.145	ug/L #	91
40) 4-Methyl-2-pentanone	10.014	43	113	0.972	ug/L #	82
57) 1,1,2,2-Tetrachloroethane	12.690	83	115	0.595	ug/L #	85
59) Bromoform	12.611	173	57	1.860	ug/L #	38
61) 1,2,3-Trichloropropane	12.617	75	87	2.220	ug/L #	30
62) 1,3,5-Trimethylbenzene	13.239	105	86	0.323	ug/L #	27
64) 1,3-Dichlorobenzene	13.507	146	178	1.206	ug/L #	70
65) 1,4-Dichlorobenzene	13.574	146	175	1.174	ug/L #	27
67) 1,2-Dichlorobenzene	13.861	146	97	0.751	ug/L #	77
69) 1,3,5-Trichlorobenzene	15.135	180	65	0.648	ug/L #	18
70) 1,2,4-trichlorobenzene	15.135	180	65	0.826	ug/L #	12
71) Naphthalene	15.366	128	272	2.146	ug/L #	69
72) 1,2,3-Trichlorobenzene	15.543	180	107	1.589	ug/L #	12

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Quant Time: Dec 06 23:39:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120424SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 06 23:31:46 2024
Response via : Initial Calibration

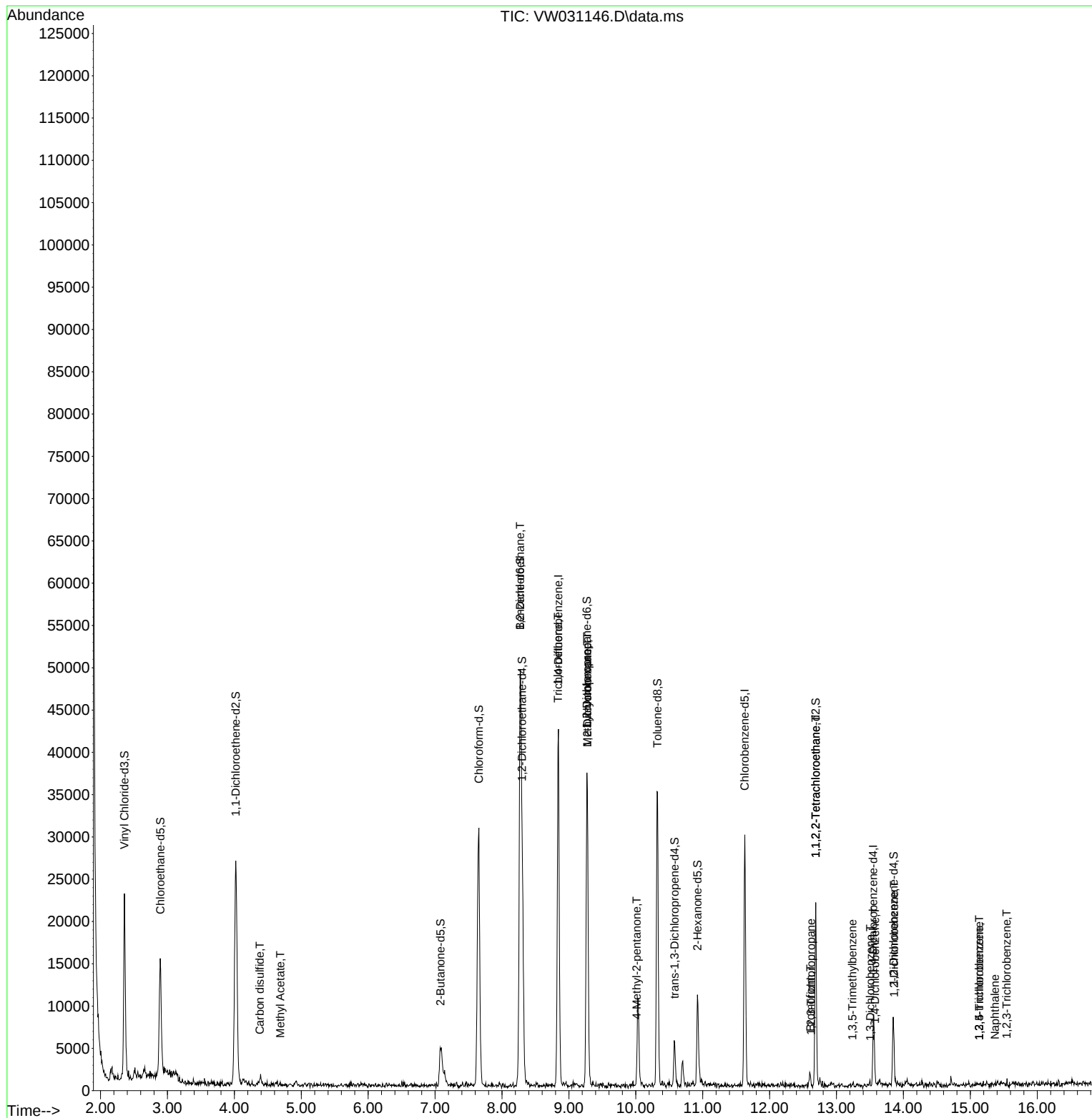
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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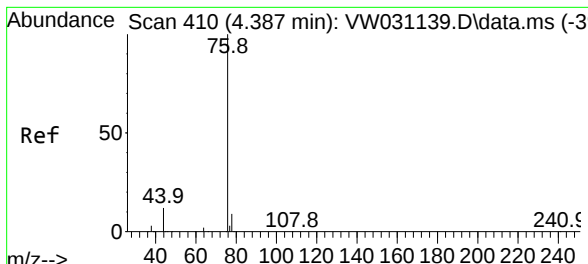
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120424SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 06 23:31:46 2024
Response via : Initial Calibration

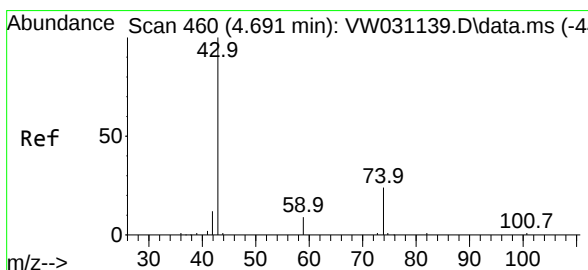
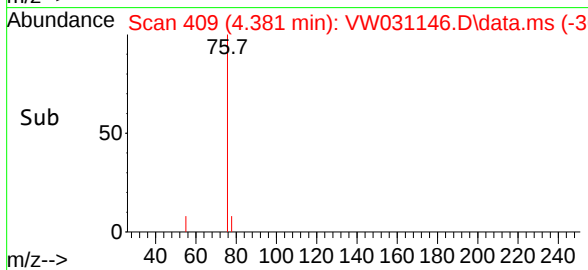
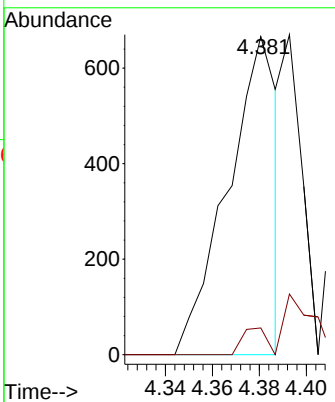
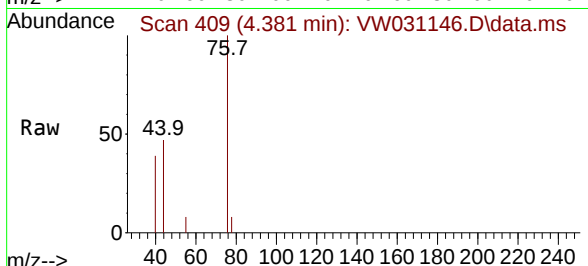




#14
Carbon disulfide
Concen: 0.665 ug/L
RT: 4.381 min Scan# 409
Delta R.T. -0.006 min
Lab File: VW031146.D
Acq: 06 Dec 2024 13:24

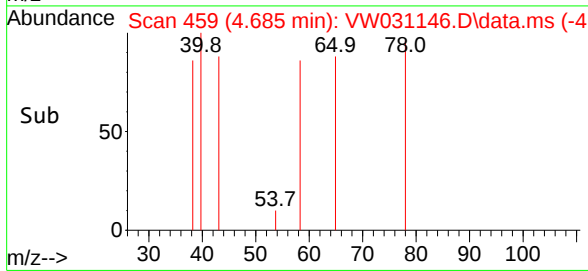
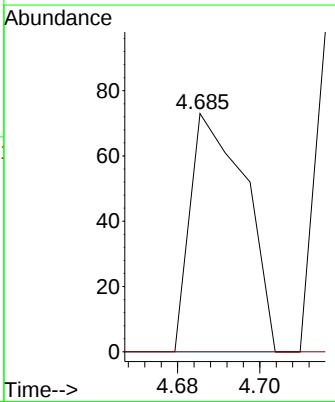
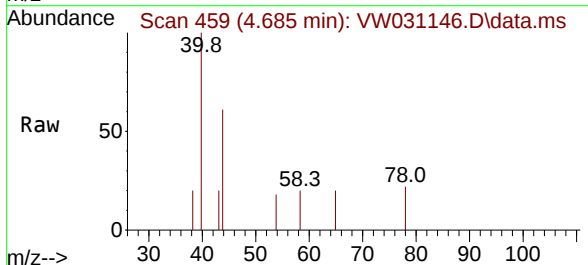
Instrument :
MSVOA_W
ClientSampleId :

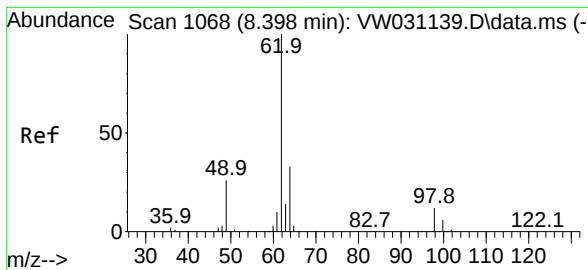
Tgt Ion: 76 Resp: 972
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2



#15
Methyl Acetate
Concen: 0.426 ug/L
RT: 4.685 min Scan# 459
Delta R.T. -0.006 min
Lab File: VW031146.D
Acq: 06 Dec 2024 13:24

Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#





#27

1,2-Dichloroethane

Concen: 0.734 ug/L

RT: 8.270 min Scan# 1140

Delta R.T. -0.128 min

Lab File: VW031146.D

Acq: 06 Dec 2024 13:24

Instrument :

MSVOA_W

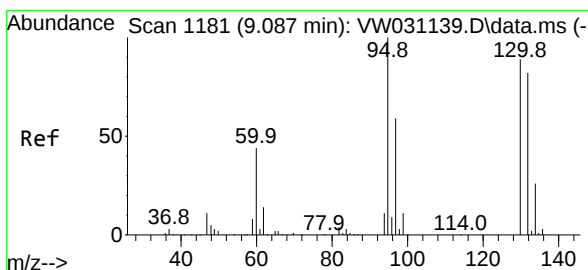
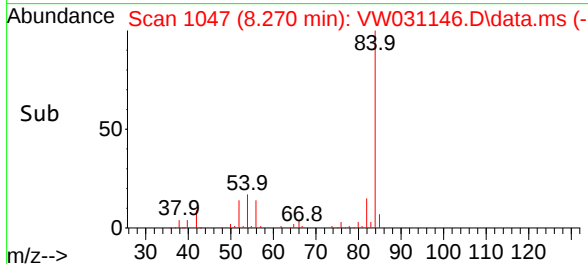
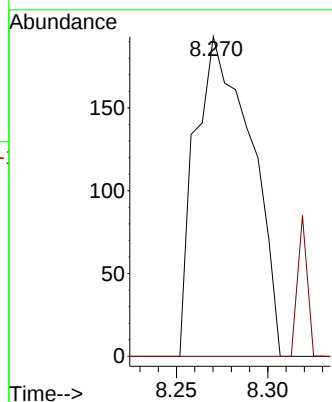
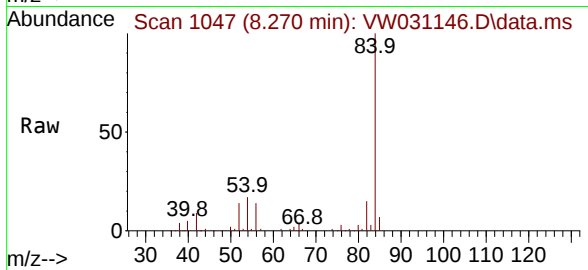
ClientSampleId :

Tgt Ion: 62 Resp: 410

Ion Ratio Lower Upper

62 100

98 0.0 7.7 11.5#



#34

Trichloroethene

Concen: 3.900 ug/L

RT: 8.837 min Scan# 1140

Delta R.T. -0.250 min

Lab File: VW031146.D

Acq: 06 Dec 2024 13:24

Tgt Ion: 95 Resp: 1123

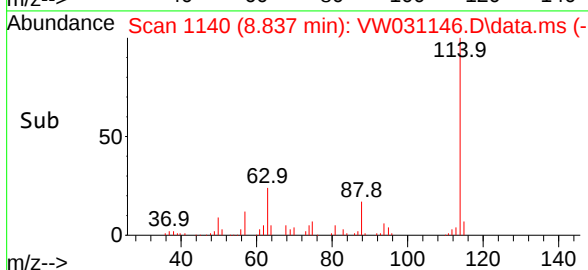
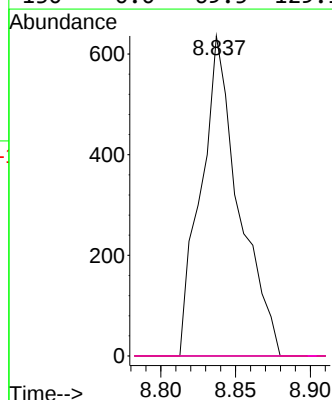
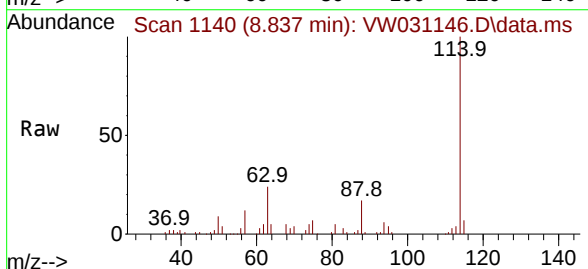
Ion Ratio Lower Upper

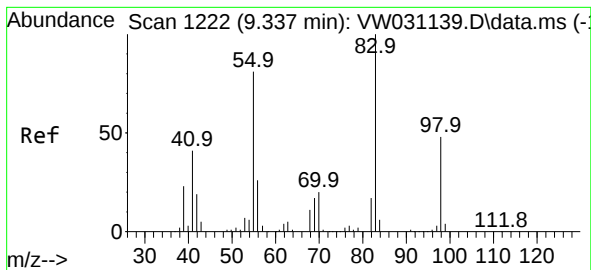
95 100

97 0.0 48.0 89.2#

132 0.0 67.4 125.2#

130 0.0 69.5 129.1#





#35

Methylcyclohexane

Concen: 9.948 ug/L

RT: 9.276 min Scan# 1212

Delta R.T. -0.061 min

Lab File: VW031146.D

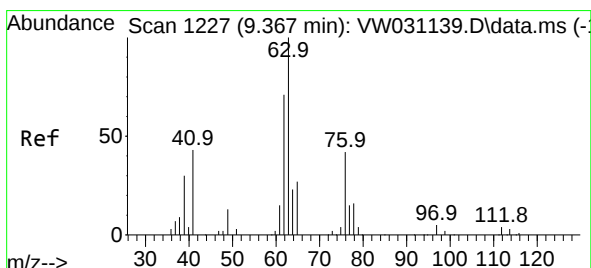
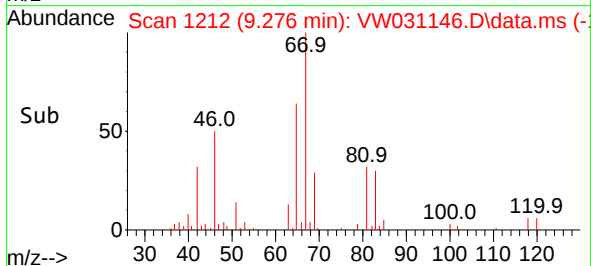
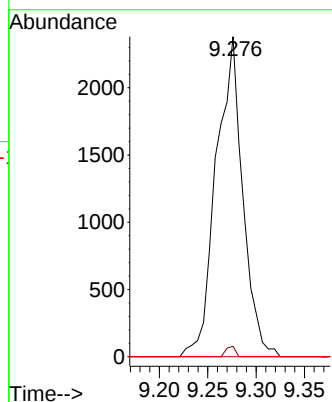
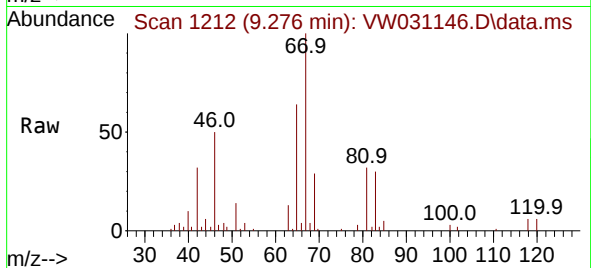
Acq: 06 Dec 2024 13:24

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	83	Resp:	4558
Ion	Ratio	Lower	Upper
83	100		
55	1.1	59.5	89.3#
98	0.0	38.7	58.1#



#37

1,2-Dichloropropane

Concen: 8.145 ug/L

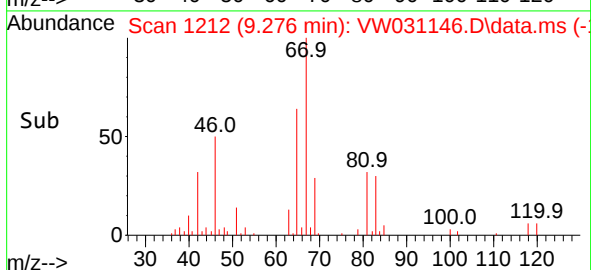
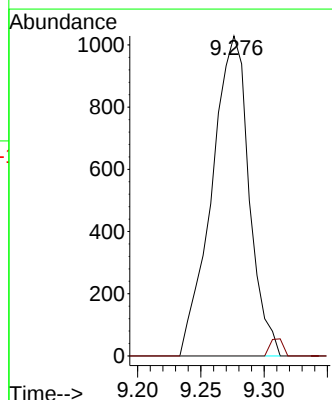
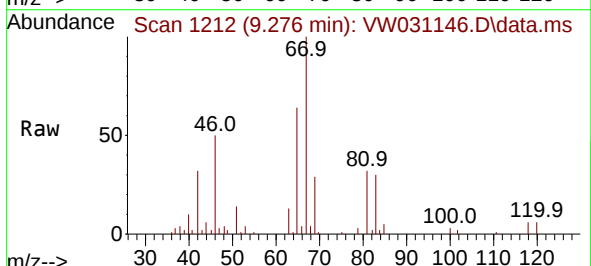
RT: 9.276 min Scan# 1212

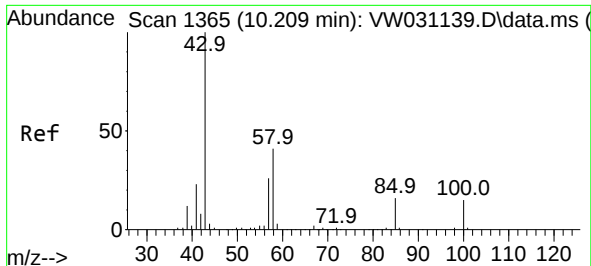
Delta R.T. -0.091 min

Lab File: VW031146.D

Acq: 06 Dec 2024 13:24

Tgt Ion:	63	Resp:	2115
Ion	Ratio	Lower	Upper
63	100		
112	1.8	3.9	5.9#





#40

4-Methyl-2-pentanone

Concen: 0.972 ug/L

RT: 10.014 min Scan# 11

Delta R.T. -0.195 min

Lab File: VW031146.D

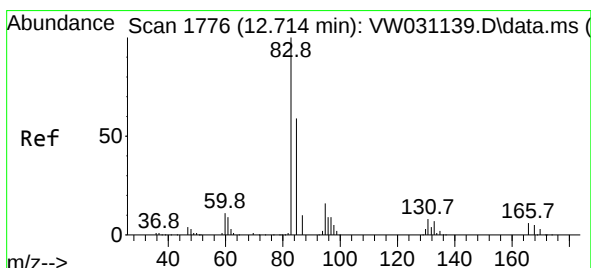
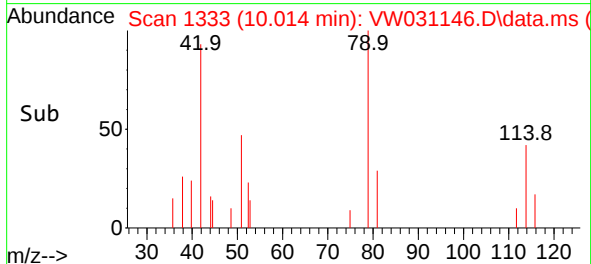
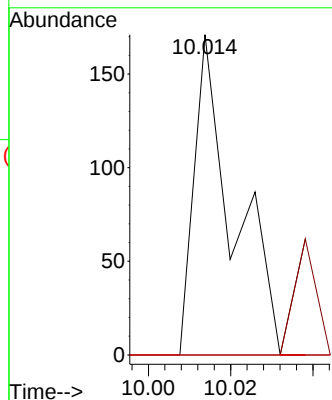
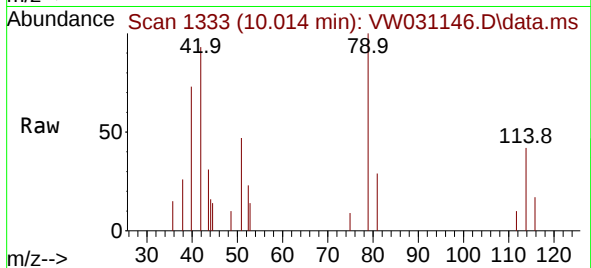
Acq: 06 Dec 2024 13:24

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	43	Resp:	113
Ion	Ratio	Lower	Upper
43	100		
58	47.8	33.7	50.5
100	0.0	14.2	21.2#



#57

1,1,2,2-Tetrachloroethane

Concen: 0.595 ug/L

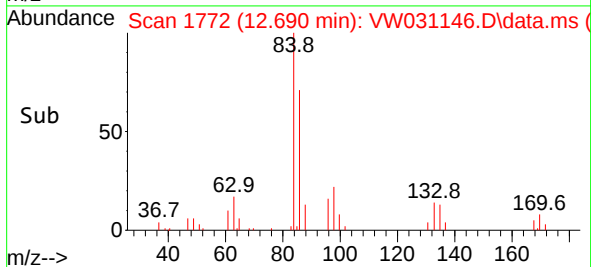
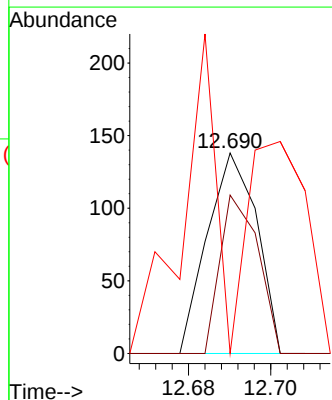
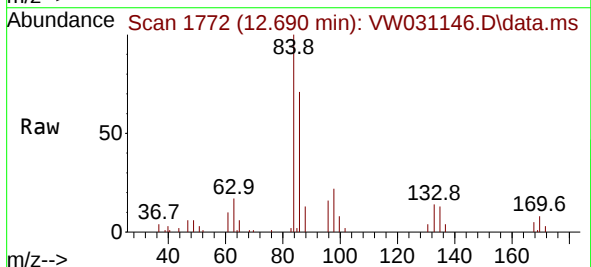
RT: 12.690 min Scan# 1772

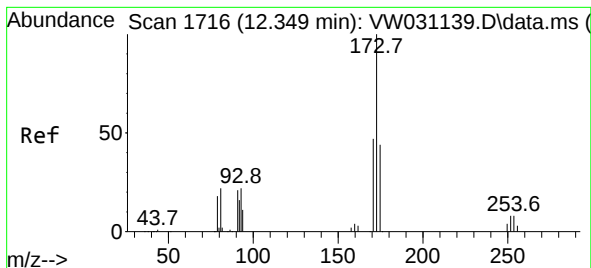
Delta R.T. -0.024 min

Lab File: VW031146.D

Acq: 06 Dec 2024 13:24

Tgt Ion:	83	Resp:	115
Ion	Ratio	Lower	Upper
83	100		
85	79.0	48.3	89.7
131	0.0	8.9	13.3#





#59

Bromoform

Concen: 1.860 ug/L

RT: 12.611 min Scan# 11

Delta R.T. 0.262 min

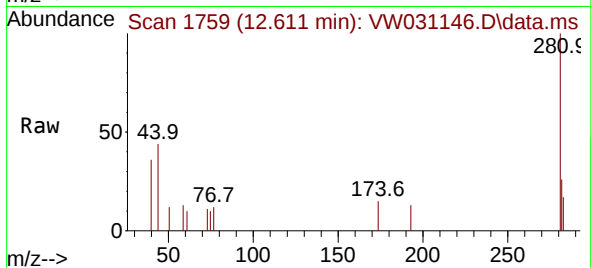
Lab File: VW031146.D

Acq: 06 Dec 2024 13:24

Instrument :

MSVOA_W

ClientSampleId :



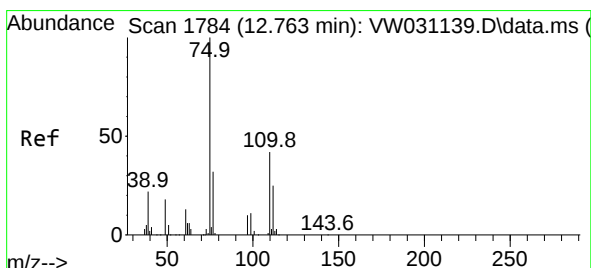
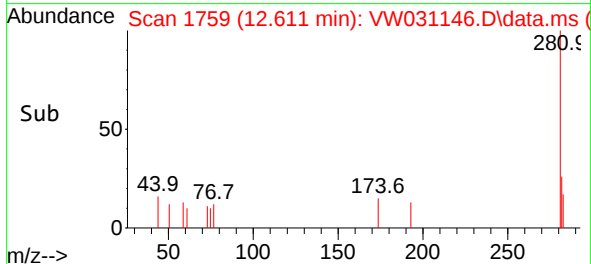
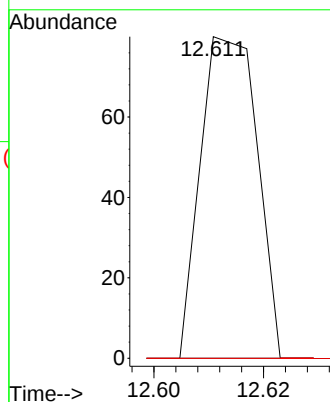
Tgt Ion:173 Resp: 57

Ion Ratio Lower Upper

173 100

175 0.0 36.6 54.8#

254 0.0 7.7 11.5#



#61

1,2,3-Trichloropropane

Concen: 2.220 ug/L

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW031146.D

Acq: 06 Dec 2024 13:24

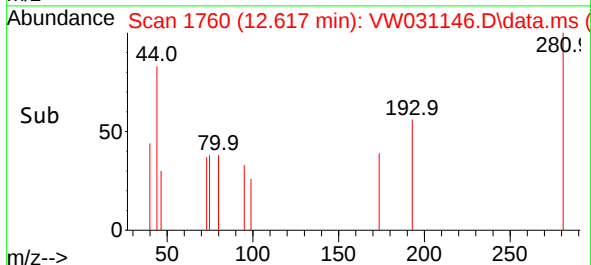
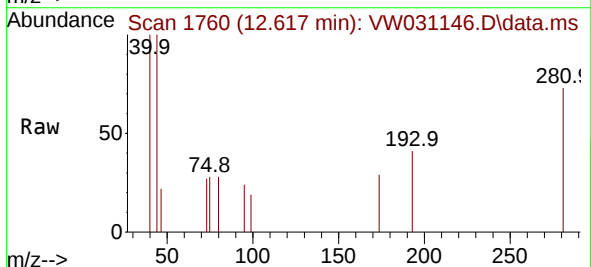
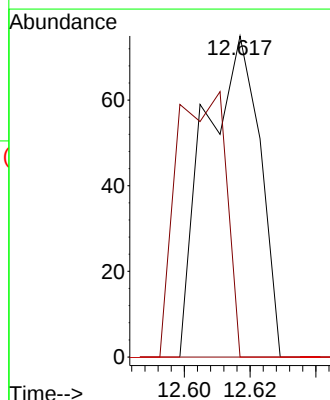
Tgt Ion: 75 Resp: 87

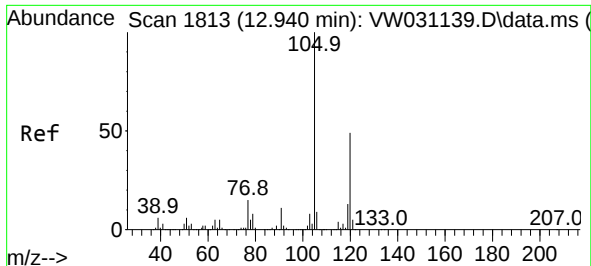
Ion Ratio Lower Upper

75 100

77 73.6 25.4 38.2#

110 0.0 33.1 49.7#





#62

1,3,5-Trimethylbenzene

Concen: 0.323 ug/L

RT: 13.239 min Scan# 1862

Delta R.T. 0.299 min

Lab File: VW031146.D

Acq: 06 Dec 2024 13:24

Instrument :

MSVOA_W

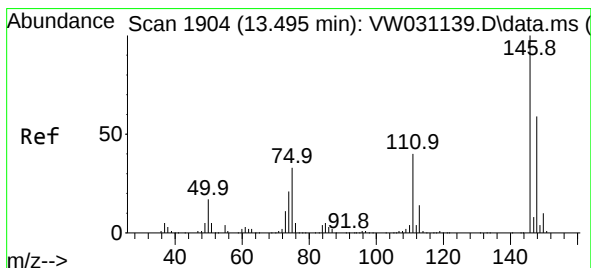
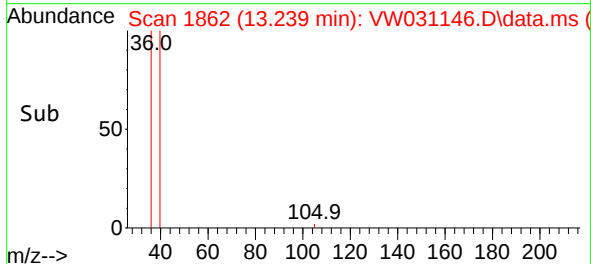
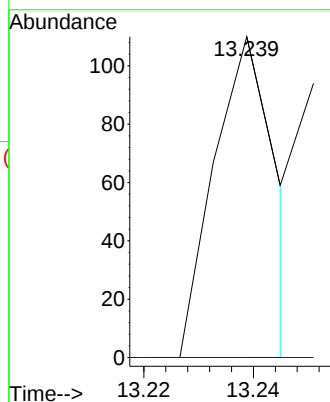
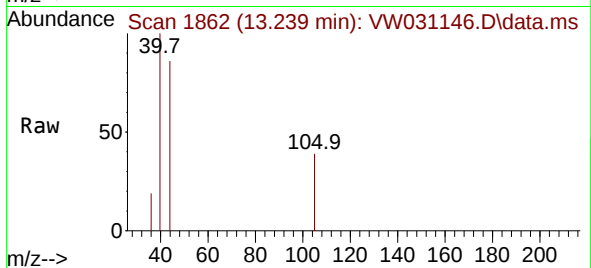
ClientSampleId :

Tgt Ion:105 Resp: 86

Ion Ratio Lower Upper

105 100

120 0.0 40.5 60.7#



#64

1,3-Dichlorobenzene

Concen: 1.206 ug/L

RT: 13.507 min Scan# 1906

Delta R.T. 0.012 min

Lab File: VW031146.D

Acq: 06 Dec 2024 13:24

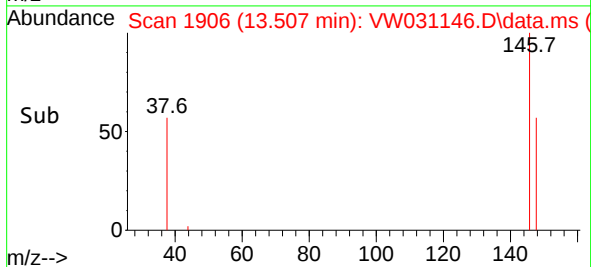
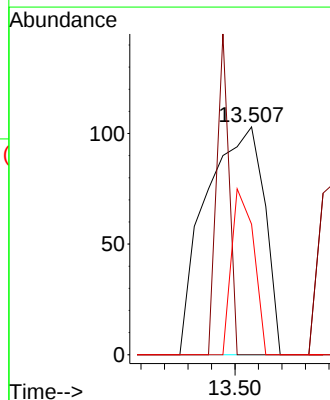
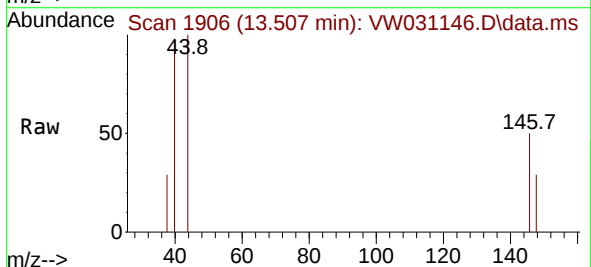
Tgt Ion:146 Resp: 178

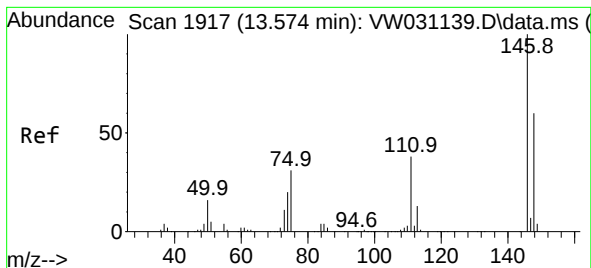
Ion Ratio Lower Upper

146 100

111 0.0 28.5 52.9#

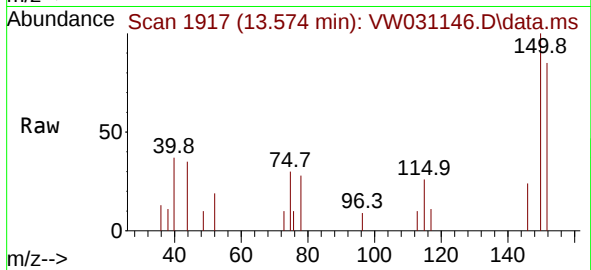
148 57.3 44.1 81.9



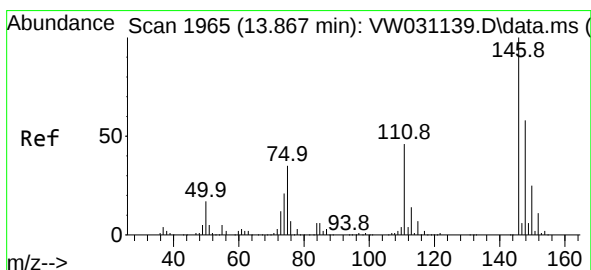
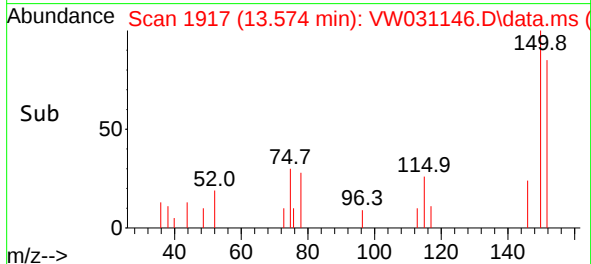
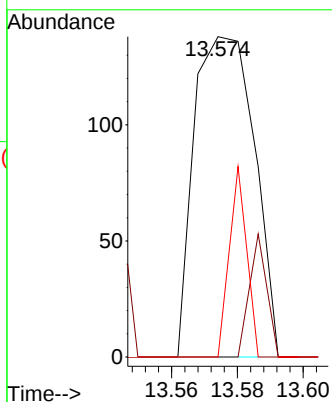


#65
1,4-Dichlorobenzene
Concen: 1.174 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031146.D
Acq: 06 Dec 2024 13:24

Instrument :
MSVOA_W
ClientSampleId :

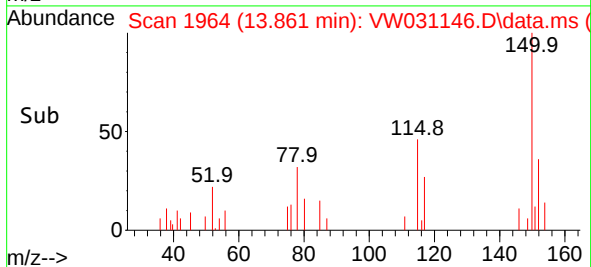
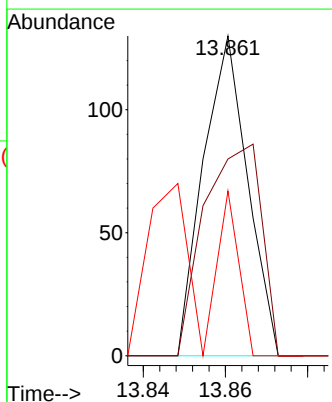
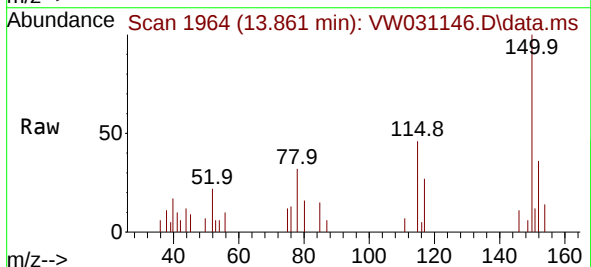


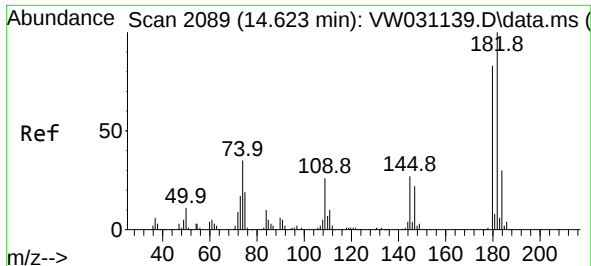
Tgt Ion:146 Resp: 175
Ion Ratio Lower Upper
146 100
111 0.0 26.6 49.4#
148 0.0 42.1 78.1#



#67
1,2-Dichlorobenzene
Concen: 0.751 ug/L
RT: 13.861 min Scan# 1964
Delta R.T. -0.006 min
Lab File: VW031146.D
Acq: 06 Dec 2024 13:24

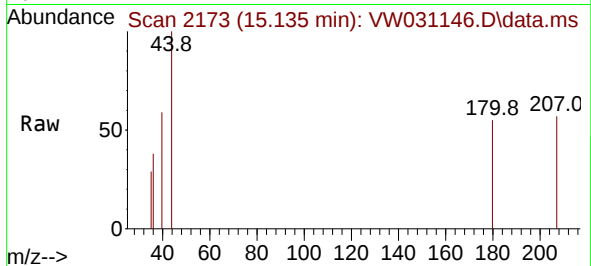
Tgt Ion:146 Resp: 97
Ion Ratio Lower Upper
146 100
111 61.5 30.9 46.3#
148 51.5 50.0 75.0



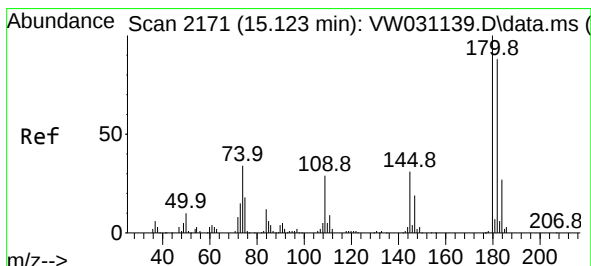
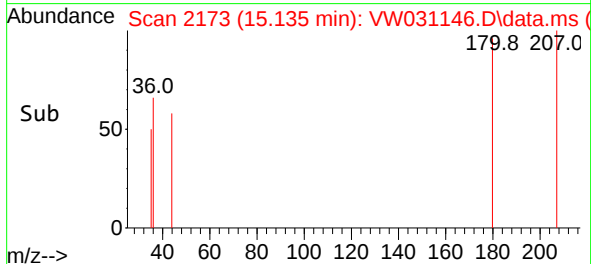
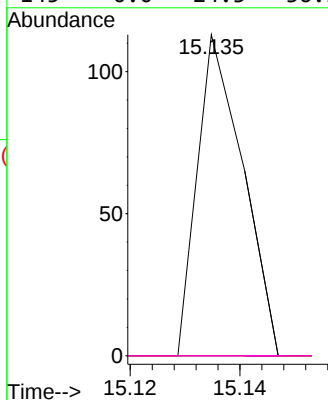


#69
 1,3,5-Trichlorobenzene
 Concen: 0.648 ug/L
 RT: 15.135 min Scan# 2173
 Delta R.T. 0.512 min
 Lab File: VW031146.D
 Acq: 06 Dec 2024 13:24

Instrument :
 MSVOA_W
 ClientSampleId :

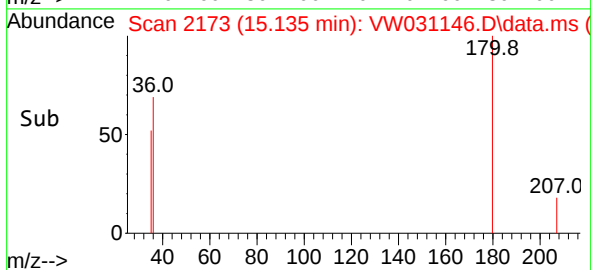
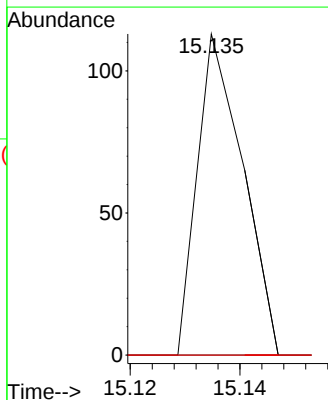
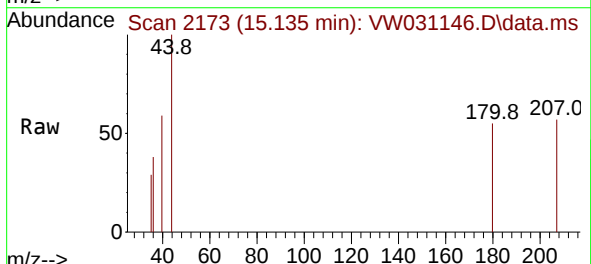


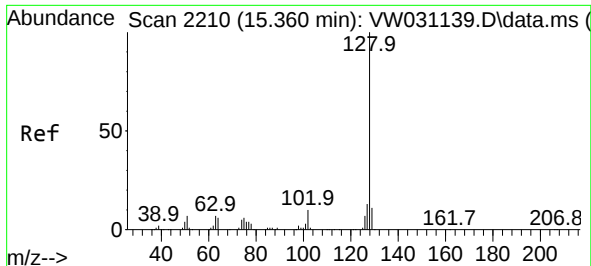
Tgt Ion:	180	Resp:	65
Ion	Ratio	Lower	Upper
180	100		
182	0.0	78.2	117.2#
184	0.0	24.0	36.0#
145	0.0	24.3	36.5#



#70
 1,2,4-trichlorobenzene
 Concen: 0.826 ug/L
 RT: 15.135 min Scan# 2173
 Delta R.T. 0.012 min
 Lab File: VW031146.D
 Acq: 06 Dec 2024 13:24

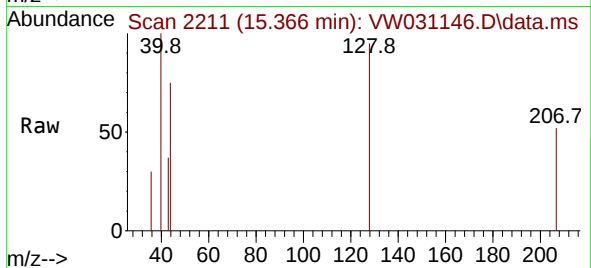
Tgt Ion:	180	Resp:	65
Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.1	114.1#
145	0.0	25.7	38.5#



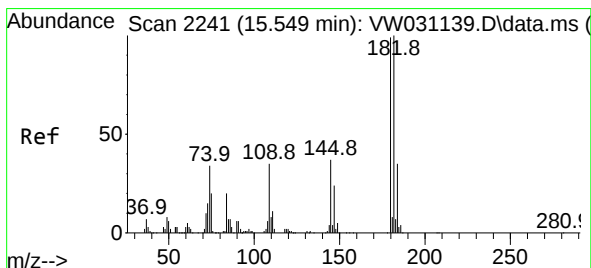
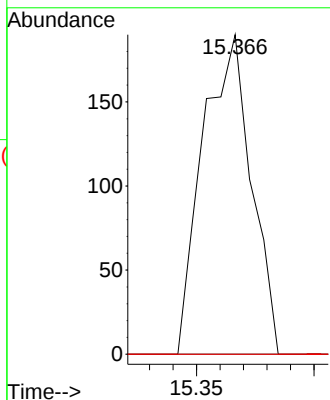
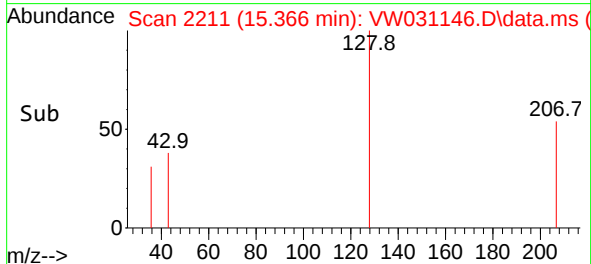


#71
Naphthalene
Concen: 2.146 ug/L
RT: 15.366 min Scan# 211
Delta R.T. 0.006 min
Lab File: VW031146.D
Acq: 06 Dec 2024 13:24

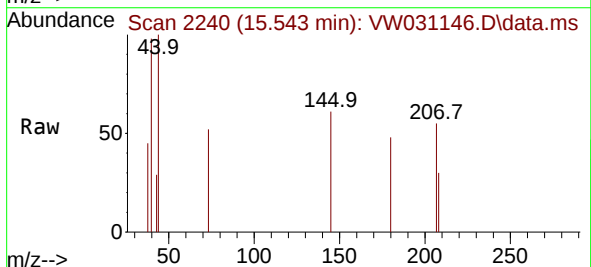
Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 272
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.3 12.5#



#72
1,2,3-Trichlorobenzene
Concen: 1.589 ug/L
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW031146.D
Acq: 06 Dec 2024 13:24



Tgt Ion:180 Resp: 107
Ion Ratio Lower Upper
180 100
182 0.0 78.7 118.1#
145 64.5 26.3 39.5#

