

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100224\
 Data File : VW030327.D
 Acq On : 02 Oct 2024 15:21
 Operator : SY/MD
 Sample : P4237-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E69

Quant Time: Oct 03 04:11:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 03 04:10:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	169887	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	152370	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	73143	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	37220	28.037	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 112.160%	
7) Chloroethane-d5	2.905	69	27749	28.728	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 114.920%	
11) 1,1-Dichloroethene-d2	4.021	65	22748	23.475	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 93.880%	
21) 2-Butanone-d5	7.075	46	27345	51.221	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 102.440%	
24) Chloroform-d	7.655	84	121544	26.631	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 106.520%	
26) 1,2-Dichloroethane-d4	8.307	65	58946	24.744	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 98.960%	
32) Benzene-d6	8.276	84	197749	23.156	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 92.640%	
36) 1,2-Dichloropropane-d6	9.276	67	63620	24.769	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 99.080%	
41) Toluene-d8	10.325	98	181679	23.201	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 92.800%	
43) trans-1,3-Dichloroprop...	10.575	79	26066	24.398	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 97.600%	
47) 2-Hexanone-d5	10.922	63	22733	53.598	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 107.200%	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	48898	25.477	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 101.920%	
66) 1,2-Dichlorobenzene-d4	13.855	152	55215	22.737	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 90.960%	

Target Compounds					Qvalue	
12) 1,1-Dichloroethene	4.052	96	88554	44.866	ug/L	# 79
13) Acetone	4.119	43	67751	119.634	ug/L	98
16) Methylene chloride	4.923	84	202208	77.333	ug/L	94
17) trans-1,2-Dichloroethene	5.429	96	70450	30.748	ug/L	95
18) Methyl tert-butyl Ether	5.429	73	162070	44.473	ug/L	98
19) 1,1-Dichloroethane	6.222	63	404474	92.698	ug/L	96
22) 2-Butanone	7.167	43	166078	229.402	ug/L	95
25) Chloroform	7.679	83	413701	91.422	ug/L	97
31) Carbon tetrachloride	8.075	117	57576	18.251	ug/L	98
33) Benzene	8.325	78	633584	68.269	ug/L	100
34) Trichloroethene	9.093	95	249214	100.953	ug/L	96
37) 1,2-Dichloropropane	9.368	63	97844	39.958	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	251202	66.905	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	215021	170.725	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	243999	78.429	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	89018	51.587	ug/L	97
50) 1,2-Dibromoethane	11.239	107	77719	47.599	ug/L	88
53) m,p-Xylene	11.831	106	212573	50.592	ug/L	96
54) o-Xylene	12.166	106	263504	65.890	ug/L	92

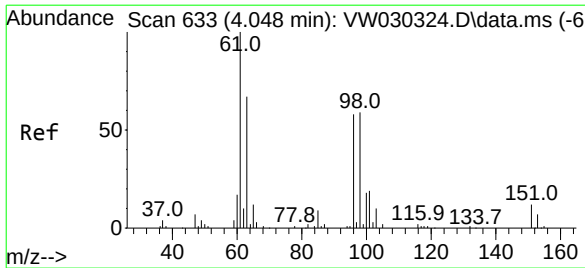
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100224\
Data File : VW030327.D
Acq On : 02 Oct 2024 15:21
Operator : SY/MD
Sample : P4237-01
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
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Quant Time: Oct 03 04:11:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092724SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Oct 03 04:10:12 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.715	83	105043	51.977	ug/L	99
59) Bromoform	12.349	173	21040	19.856	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	120392	86.583	ug/L	99
64) 1,3-Dichlorobenzene	13.501	146	182266	39.285	ug/L	90
65) 1,4-Dichlorobenzene	13.574	146	187986	39.663	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.483	75	7955	24.969	ug/L #	87
70) 1,2,4-trichlorobenzene	15.129	180	53123	20.037	ug/L	97

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



#12

1,1-Dichloroethene

Concen: 44.866 ug/L

RT: 4.052 min Scan# 35

Delta R.T. 0.004 min

Lab File: VW030327.D

Acq: 02 Oct 2024 15:21

Instrument :

MSVOA_W

ClientSampleId :

A4E69

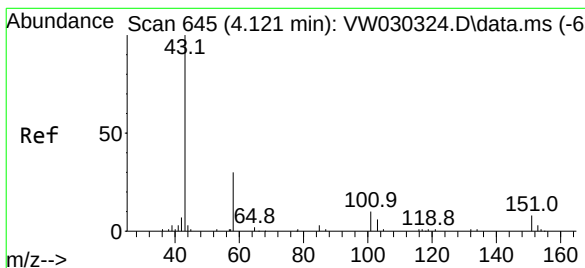
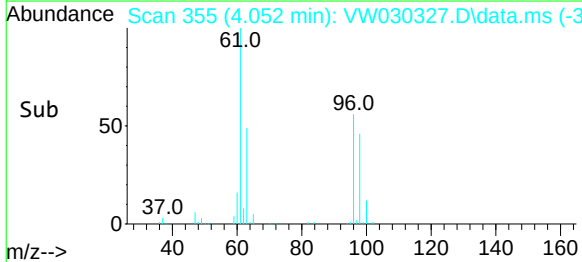
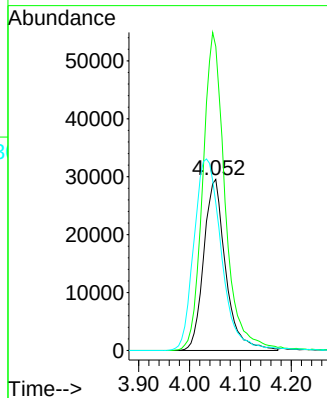
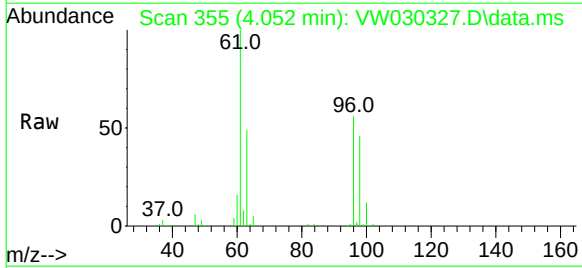
Tgt Ion: 96 Resp: 88554

Ion Ratio Lower Upper

96 100

61 177.7 120.1 223.1

63 86.3 94.8 176.2#



#13

Acetone

Concen: 119.634 ug/L

RT: 4.119 min Scan# 366

Delta R.T. -0.003 min

Lab File: VW030327.D

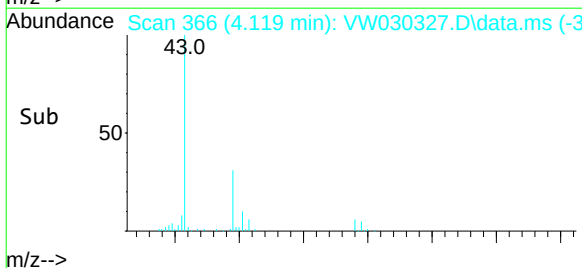
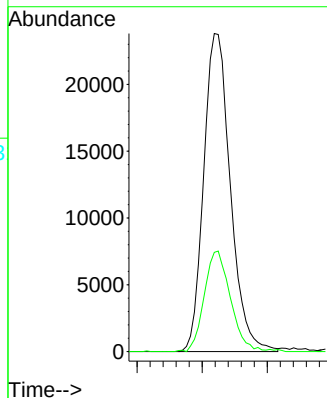
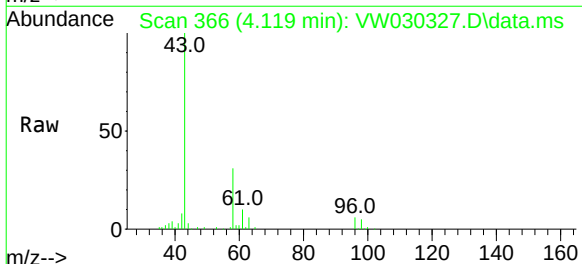
Acq: 02 Oct 2024 15:21

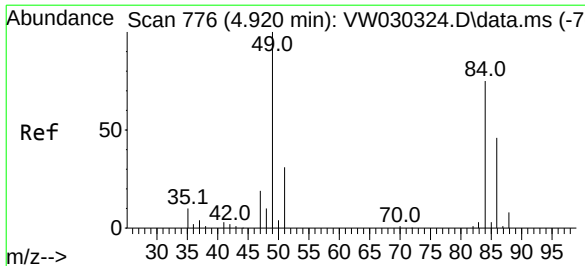
Tgt Ion: 43 Resp: 67751

Ion Ratio Lower Upper

43 100

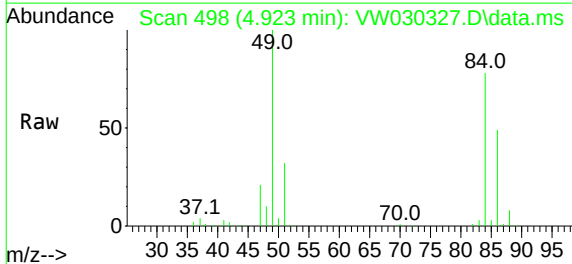
58 30.8 0.0 64.0



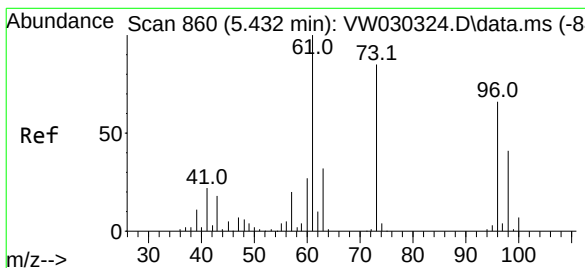
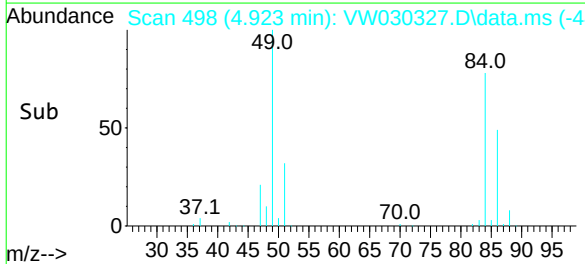
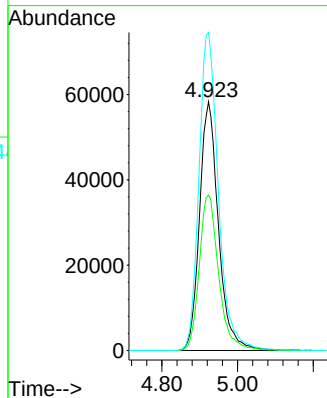


#16
Methylene chloride
Concen: 77.333 ug/L
RT: 4.923 min Scan# 49
Delta R.T. 0.004 min
Lab File: VW030327.D
Acq: 02 Oct 2024 15:21

Instrument :
MSVOA_W
ClientSampleId :
A4E69

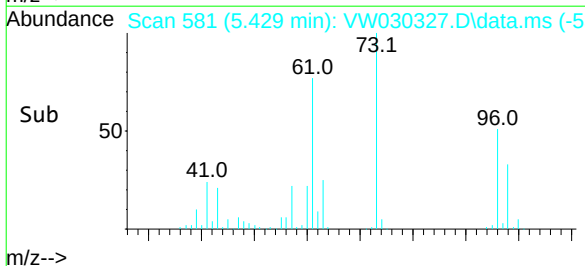
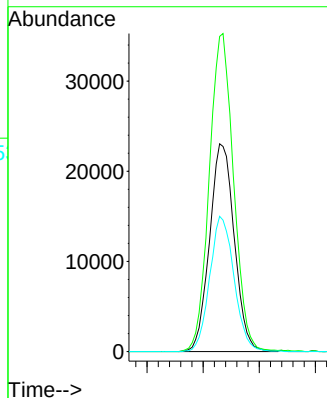
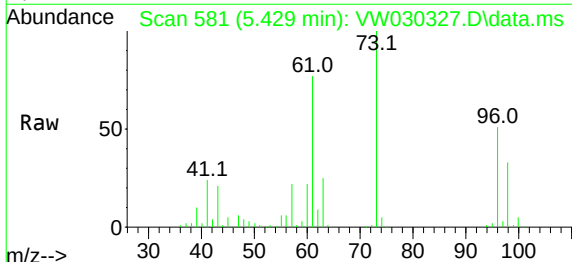


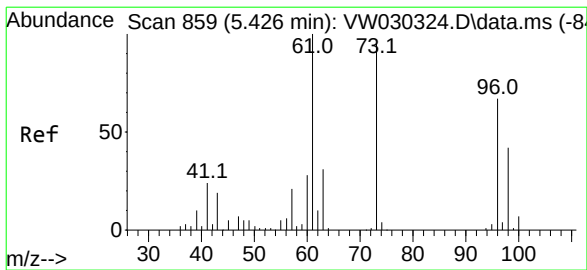
Tgt Ion:	84	Resp:	202208
Ion	Ratio	Lower	Upper
84	100		
86	62.4	44.8	83.2
49	127.8	83.6	155.2



#17
trans-1,2-Dichloroethene
Concen: 30.748 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.003 min
Lab File: VW030327.D
Acq: 02 Oct 2024 15:21

Tgt Ion:	96	Resp:	70450
Ion	Ratio	Lower	Upper
96	100		
61	151.7	100.3	186.3
98	65.1	46.3	86.1





#18

Methyl tert-butyl Ether

Concen: 44.473 ug/L

RT: 5.429 min Scan# 58

Delta R.T. 0.004 min

Lab File: VW030327.D

Acq: 02 Oct 2024 15:21

Instrument :

MSVOA_W

ClientSampleId :

A4E69

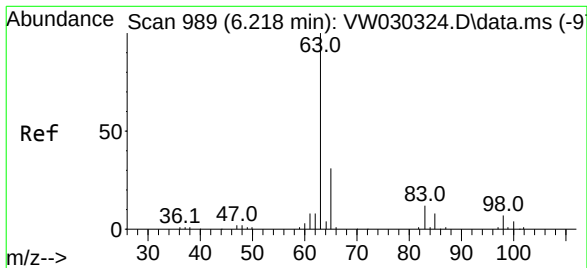
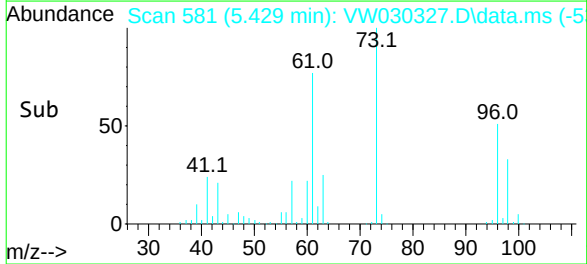
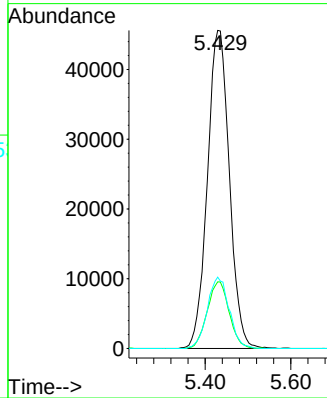
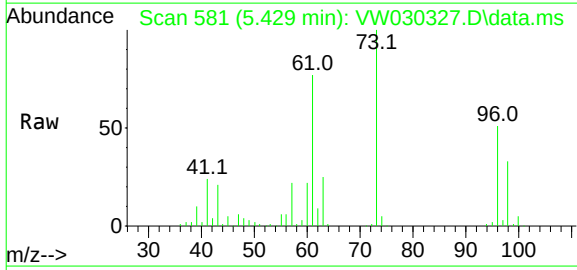
Tgt Ion: 73 Resp: 162070

Ion Ratio Lower Upper

73 100

43 21.0 15.9 23.9

57 22.3 17.6 26.4



#19

1,1-Dichloroethane

Concen: 92.698 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.004 min

Lab File: VW030327.D

Acq: 02 Oct 2024 15:21

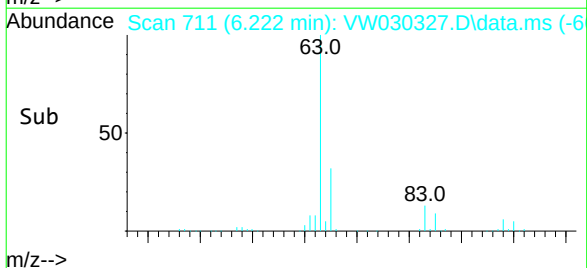
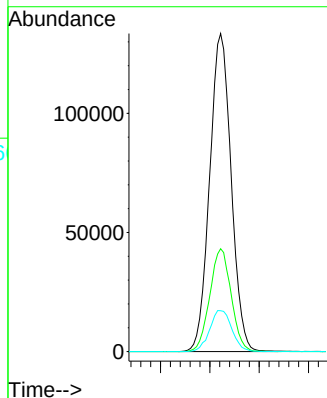
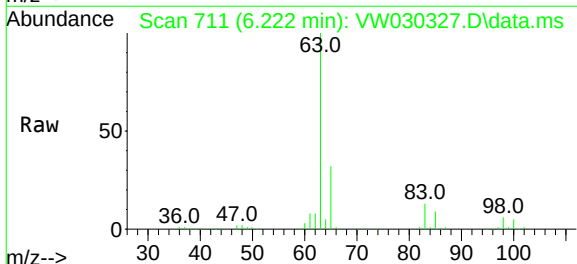
Tgt Ion: 63 Resp: 404474

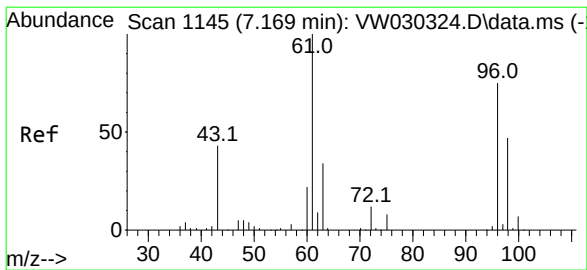
Ion Ratio Lower Upper

63 100

65 32.3 20.7 38.5

83 12.9 9.9 18.3





#22

2-Butanone

Concen: 229.402 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.003 min

Lab File: VW030327.D

Acq: 02 Oct 2024 15:21

Instrument :

MSVOA_W

ClientSampleId :

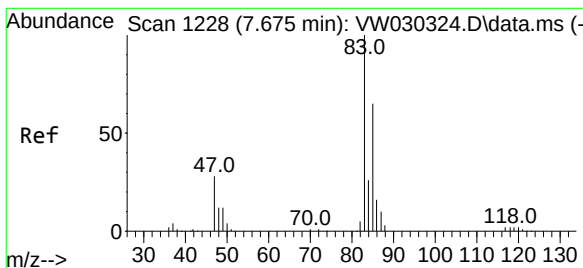
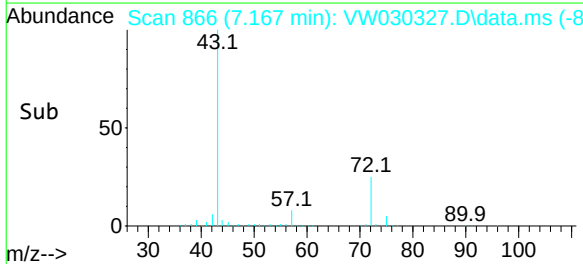
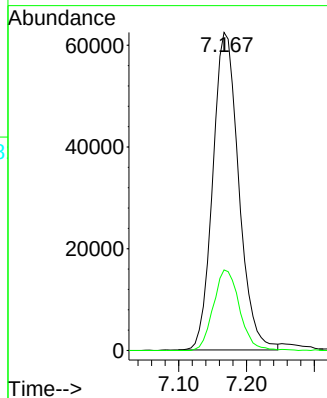
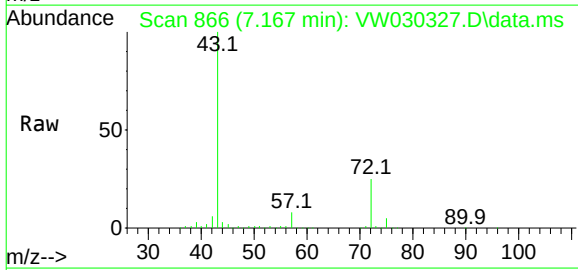
A4E69

Tgt Ion: 43 Resp: 166078

Ion Ratio Lower Upper

43 100

72 25.4 14.1 42.3



#25

Chloroform

Concen: 91.422 ug/L

RT: 7.679 min Scan# 950

Delta R.T. 0.004 min

Lab File: VW030327.D

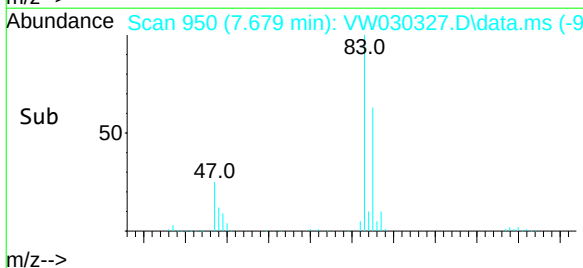
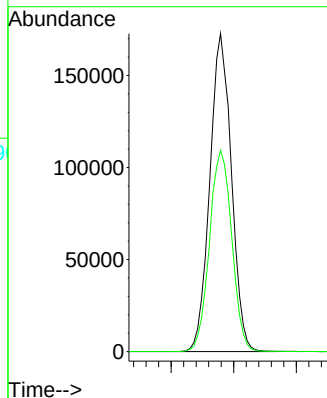
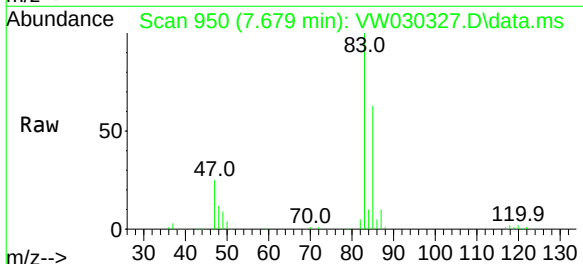
Acq: 02 Oct 2024 15:21

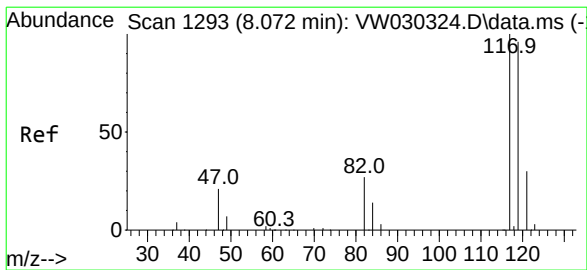
Tgt Ion: 83 Resp: 413701

Ion Ratio Lower Upper

83 100

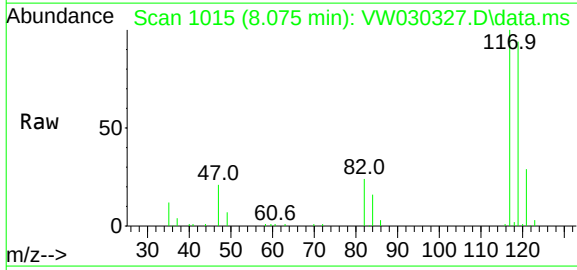
85 63.2 45.8 85.0



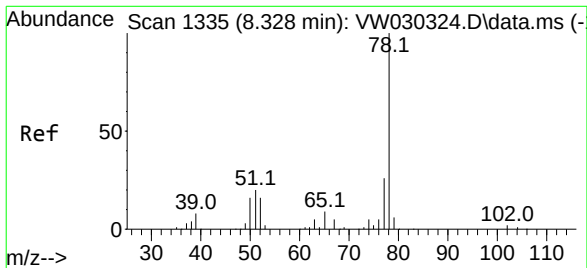
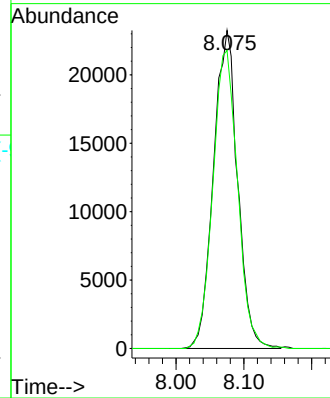
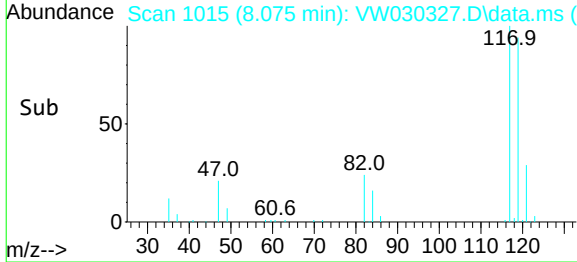


#31
Carbon tetrachloride
Concen: 18.251 ug/L
RT: 8.075 min Scan# 1056
Delta R.T. 0.004 min
Lab File: VW030327.D
Acq: 02 Oct 2024 15:21

Instrument :
MSVOA_W
ClientSampleId :
A4E69

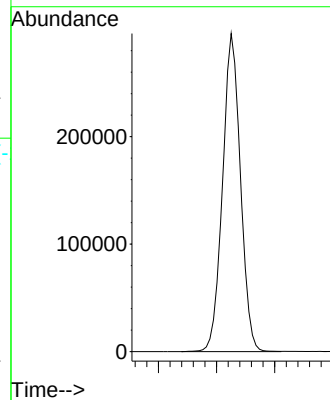
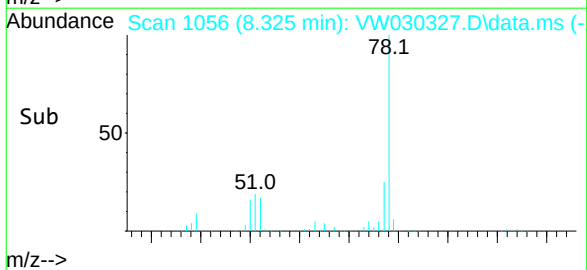
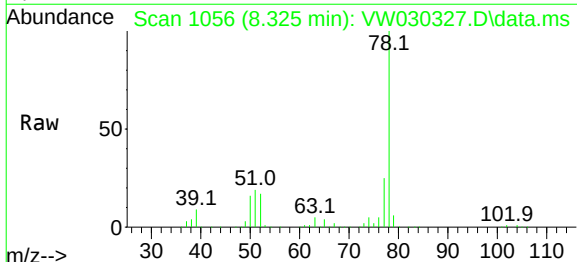


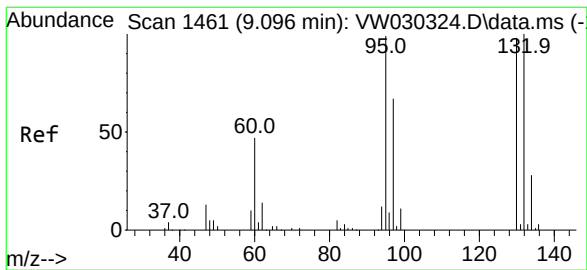
Tgt Ion:117 Resp: 57576
Ion Ratio Lower Upper
117 100
119 96.1 75.5 113.3



#33
Benzene
Concen: 68.269 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.003 min
Lab File: VW030327.D
Acq: 02 Oct 2024 15:21

Tgt Ion: 78 Resp: 633584





#34

Trichloroethene

Concen: 100.953 ug/L

RT: 9.093 min Scan# 11

Delta R.T. -0.003 min

Lab File: VW030327.D

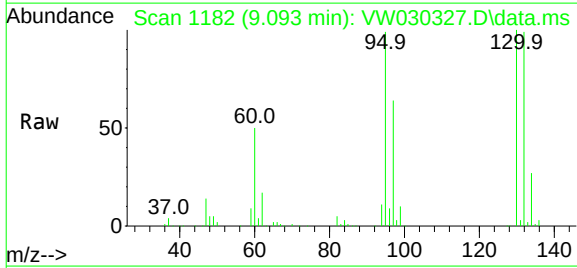
Acq: 02 Oct 2024 15:21

Instrument :

MSVOA_W

ClientSampleId :

A4E69



Tgt Ion: 95 Resp: 249214

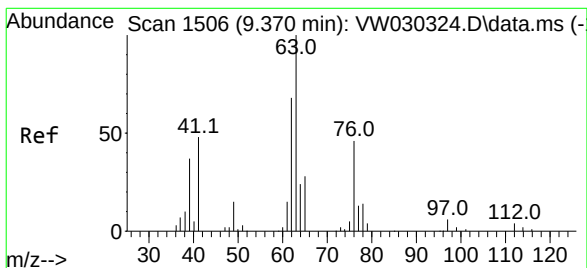
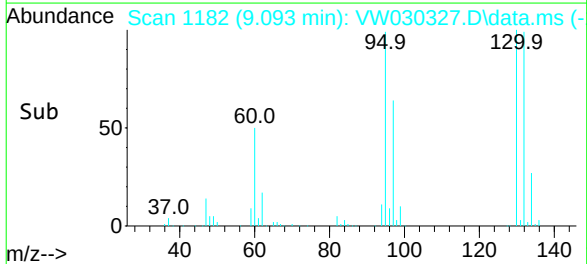
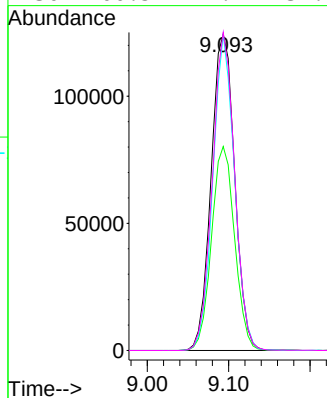
Ion Ratio Lower Upper

95 100

97 64.5 47.5 88.1

132 99.9 66.7 123.9

130 100.5 72.4 134.5



#37

1,2-Dichloropropane

Concen: 39.958 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. -0.003 min

Lab File: VW030327.D

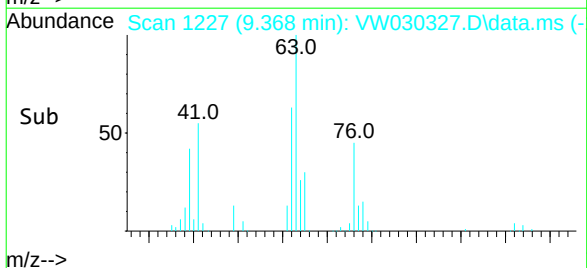
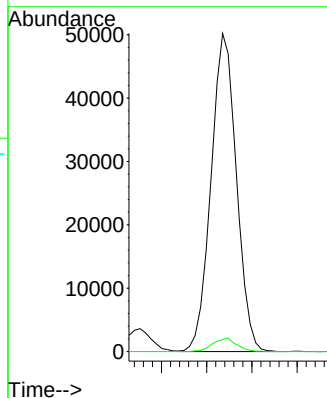
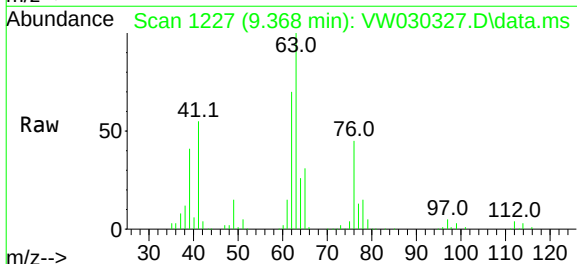
Acq: 02 Oct 2024 15:21

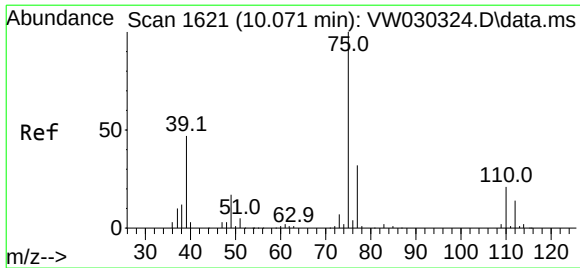
Tgt Ion: 63 Resp: 97844

Ion Ratio Lower Upper

63 100

112 4.0 3.4 5.2

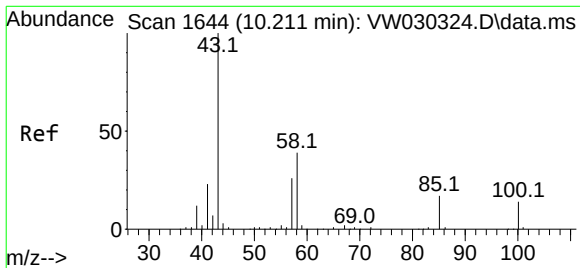
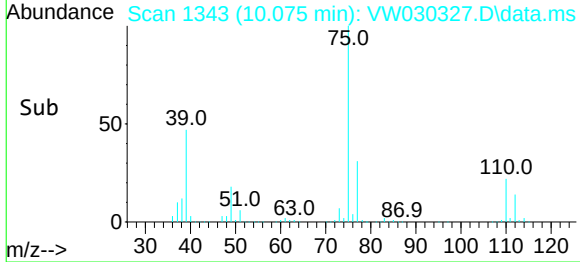
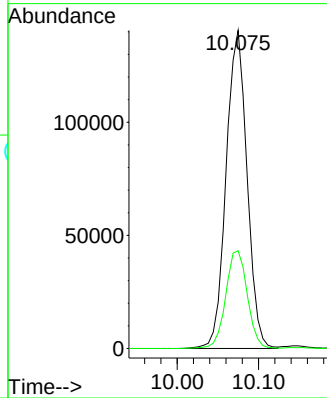
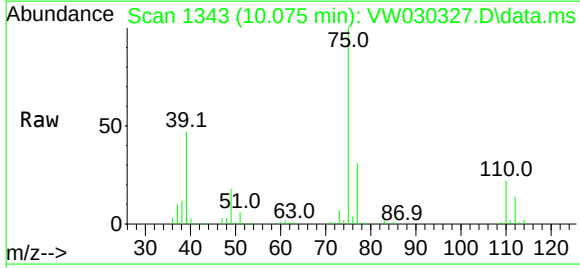




#39
cis-1,3-Dichloropropene
Concen: 66.905 ug/L
RT: 10.075 min Scan# 13
Delta R.T. 0.004 min
Lab File: VW030327.D
Acq: 02 Oct 2024 15:21

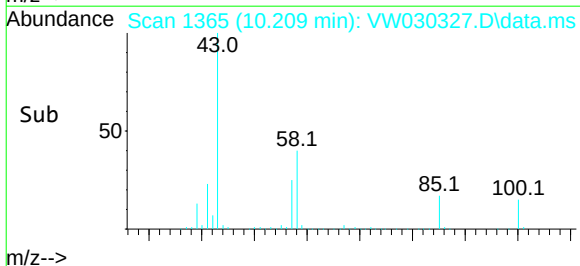
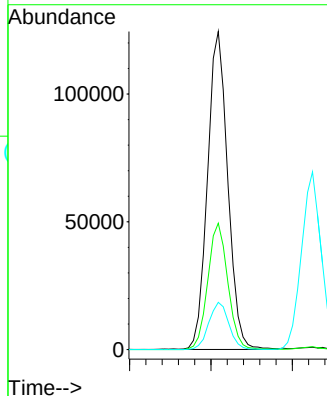
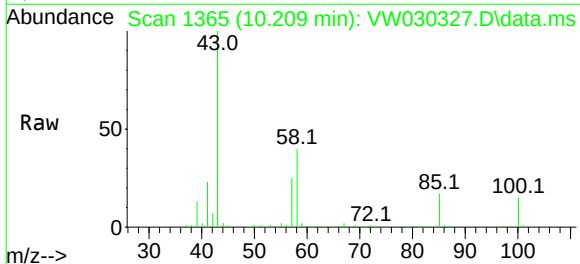
Instrument :
MSVOA_W
ClientSampleId :
A4E69

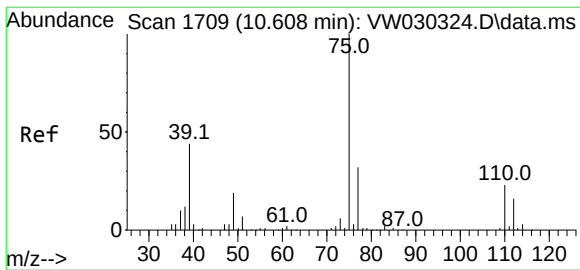
Tgt Ion: 75 Resp: 251202
Ion Ratio Lower Upper
75 100
77 30.8 22.0 40.8



#40
4-Methyl-2-pentanone
Concen: 170.725 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.003 min
Lab File: VW030327.D
Acq: 02 Oct 2024 15:21

Tgt Ion: 43 Resp: 215021
Ion Ratio Lower Upper
43 100
58 39.3 32.6 48.8
100 14.8 12.5 18.7

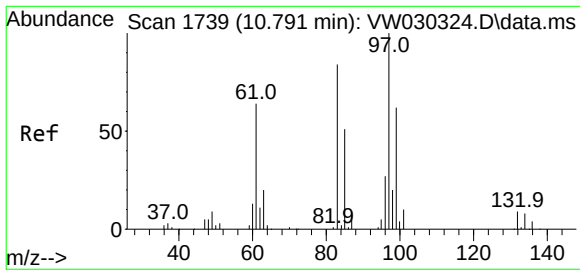
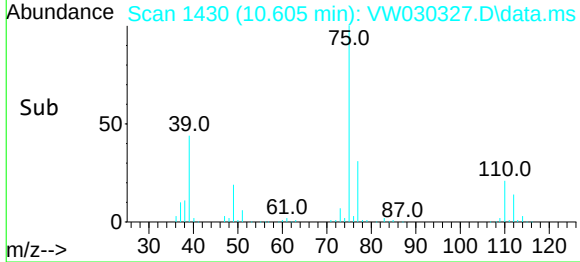
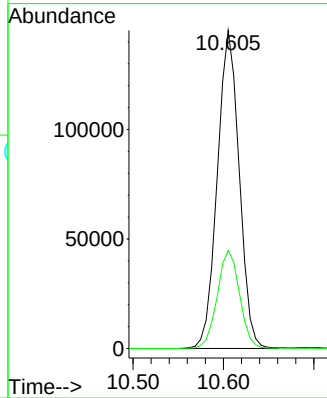
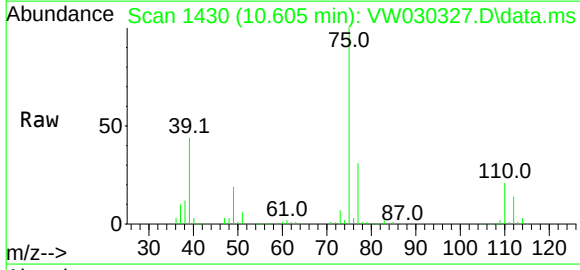




#44
trans-1,3-Dichloropropene
Concen: 78.429 ug/L
RT: 10.605 min Scan# 14
Delta R.T. -0.003 min
Lab File: VW030327.D
Acq: 02 Oct 2024 15:21

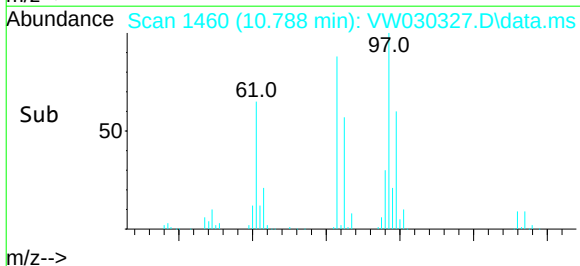
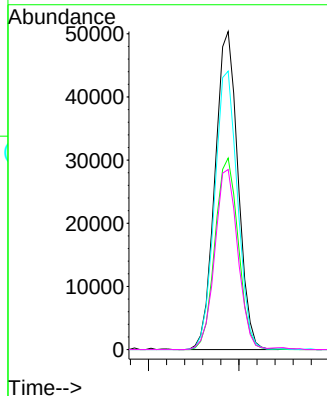
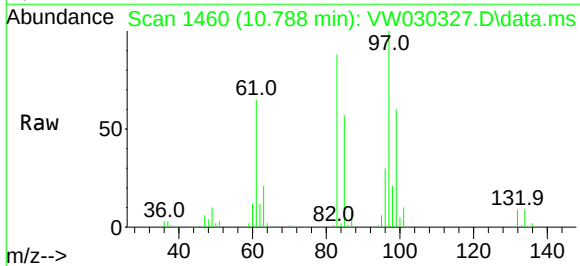
Instrument :
MSVOA_W
ClientSampleId :
A4E69

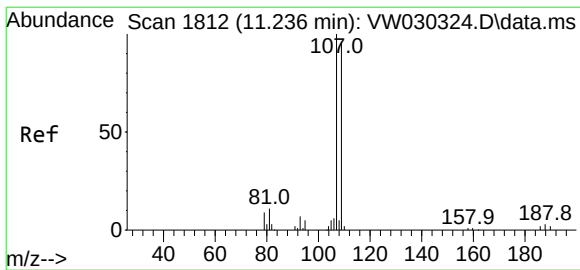
Tgt Ion: 75 Resp: 243999
Ion Ratio Lower Upper
75 100
77 30.8 20.8 38.6



#45
1,1,2-Trichloroethane
Concen: 51.587 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. -0.003 min
Lab File: VW030327.D
Acq: 02 Oct 2024 15:21

Tgt Ion: 97 Resp: 89018
Ion Ratio Lower Upper
97 100
99 60.2 40.8 75.8
83 87.5 59.1 109.7
85 56.6 38.4 71.4

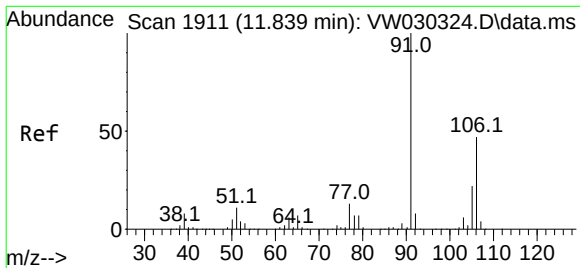
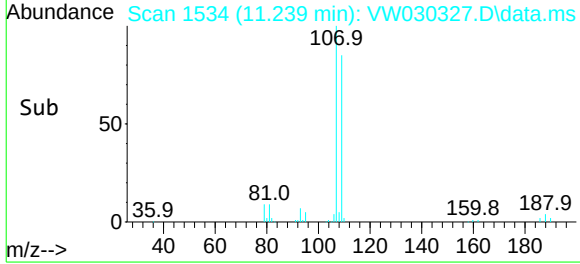
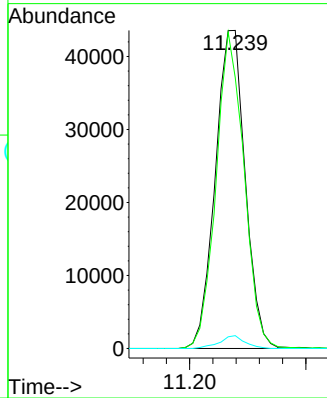
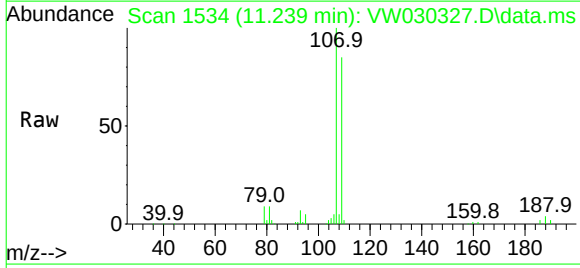




#50
1,2-Dibromoethane
Concen: 47.599 ug/L
RT: 11.239 min Scan# 1515
Delta R.T. 0.004 min
Lab File: VW030327.D
Acq: 02 Oct 2024 15:21

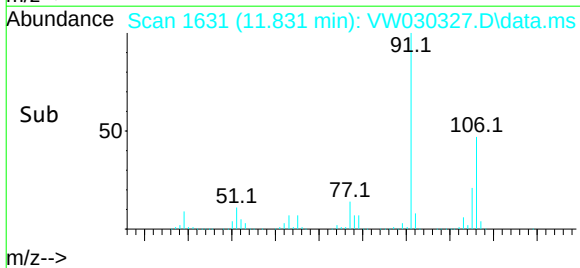
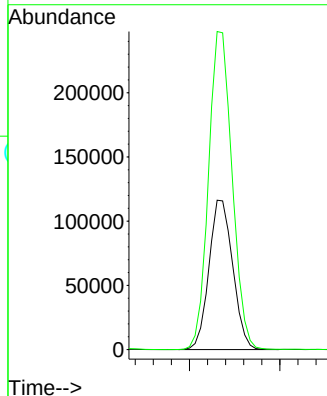
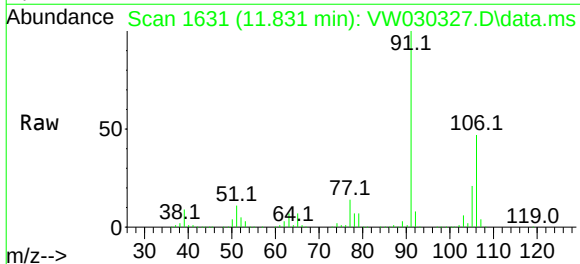
Instrument :
MSVOA_W
ClientSampleId :
A4E69

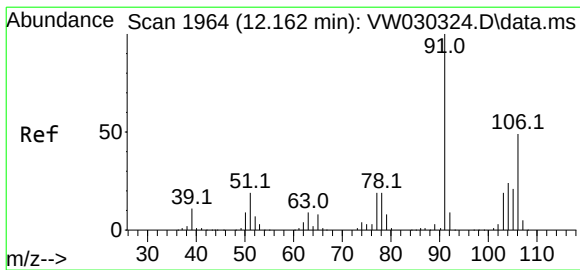
Tgt Ion:107 Resp: 77719
Ion Ratio Lower Upper
107 100
109 85.1 67.8 125.8
188 4.0 2.9 4.3



#53
m,p-Xylene
Concen: 50.592 ug/L
RT: 11.831 min Scan# 1631
Delta R.T. -0.009 min
Lab File: VW030327.D
Acq: 02 Oct 2024 15:21

Tgt Ion:106 Resp: 212573
Ion Ratio Lower Upper
106 100
91 212.9 144.4 268.2





#54

o-Xylene

Concen: 65.890 ug/L

RT: 12.166 min Scan# 16

Delta R.T. 0.004 min

Lab File: VW030327.D

Acq: 02 Oct 2024 15:21

Instrument :

MSVOA_W

ClientSampleId :

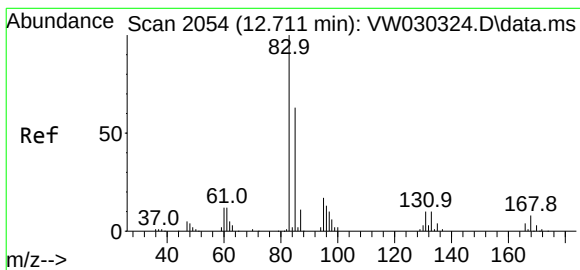
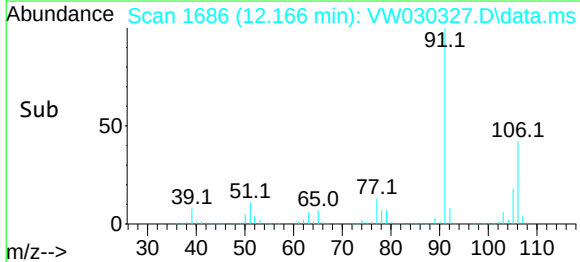
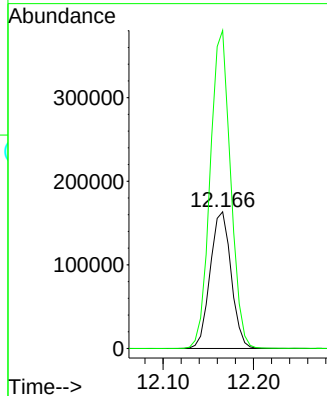
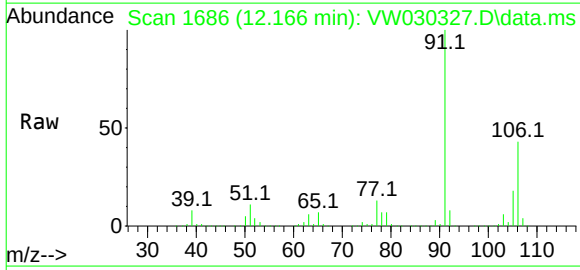
A4E69

Tgt Ion:106 Resp: 263504

Ion Ratio Lower Upper

106 100

91 232.7 153.6 285.2



#57

1,1,2-Tetrachloroethane

Concen: 51.977 ug/L

RT: 12.715 min Scan# 1776

Delta R.T. 0.004 min

Lab File: VW030327.D

Acq: 02 Oct 2024 15:21

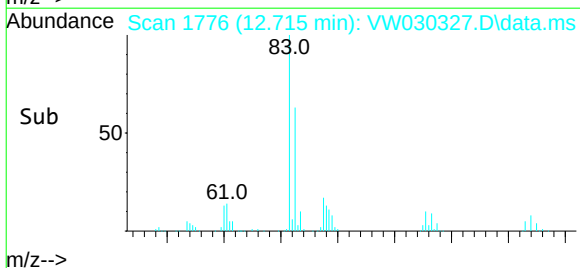
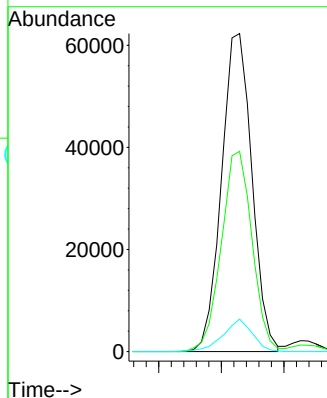
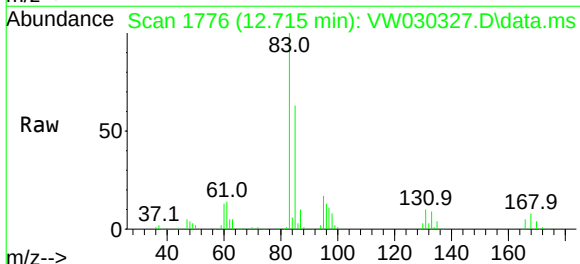
Tgt Ion: 83 Resp: 105043

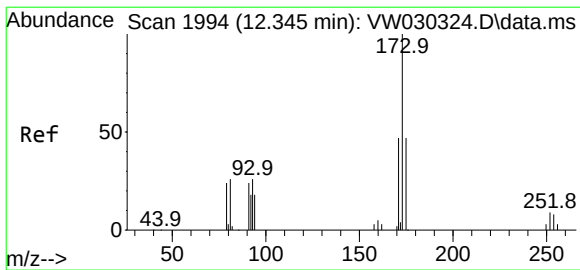
Ion Ratio Lower Upper

83 100

85 63.0 43.9 81.5

131 10.2 7.1 10.7

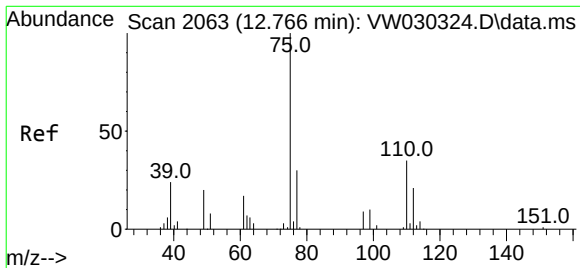
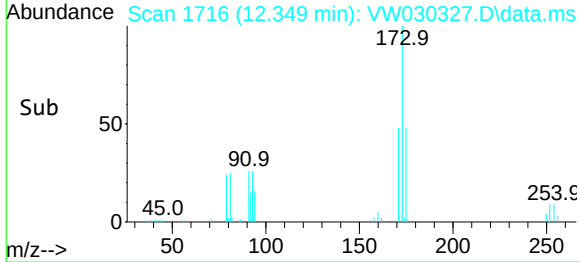
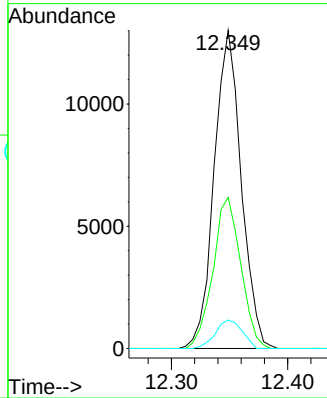
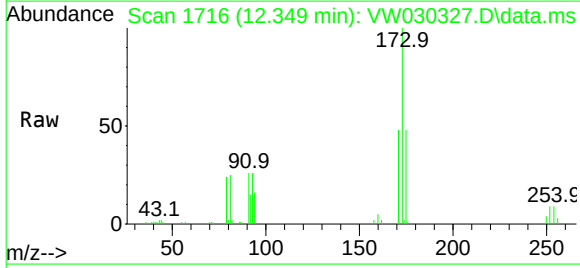




#59
Bromoform
Concen: 19.856 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. 0.004 min
Lab File: VW030327.D
Acq: 02 Oct 2024 15:21

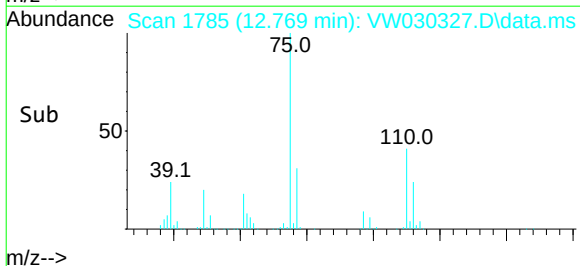
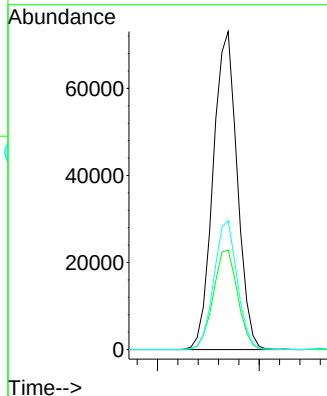
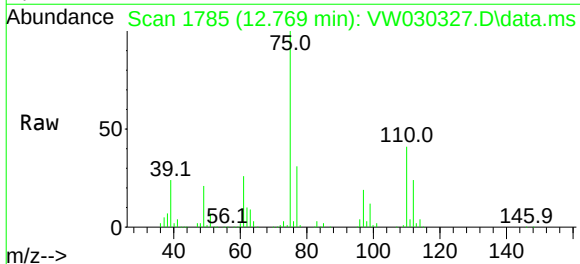
Instrument :
MSVOA_W
ClientSampleId :
A4E69

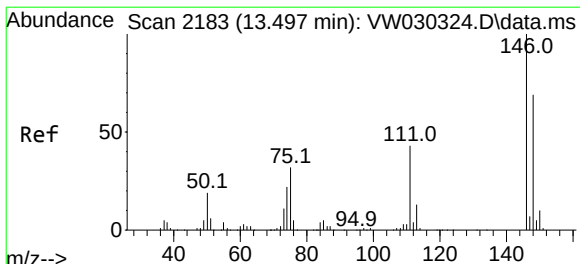
Tgt Ion:	173	Resp:	21040
Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.7	58.1
254	8.9	7.4	11.2



#61
1,2,3-Trichloropropane
Concen: 86.583 ug/L
RT: 12.769 min Scan# 1785
Delta R.T. 0.004 min
Lab File: VW030327.D
Acq: 02 Oct 2024 15:21

Tgt Ion:	75	Resp:	120392
Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2
110	39.3	30.8	46.2

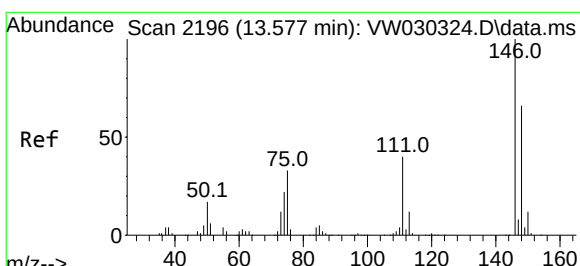
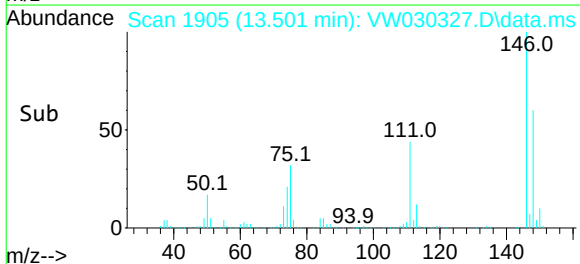
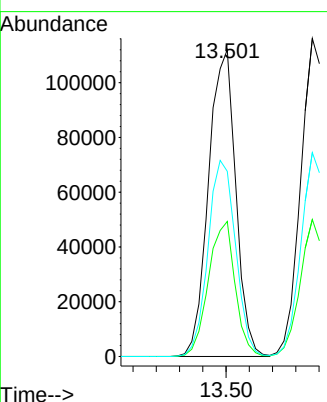
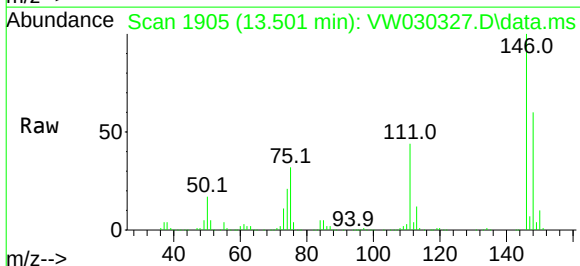




#64
 1,3-Dichlorobenzene
 Concen: 39.285 ug/L
 RT: 13.501 min Scan# 1916
 Delta R.T. 0.004 min
 Lab File: VW030327.D
 Acq: 02 Oct 2024 15:21

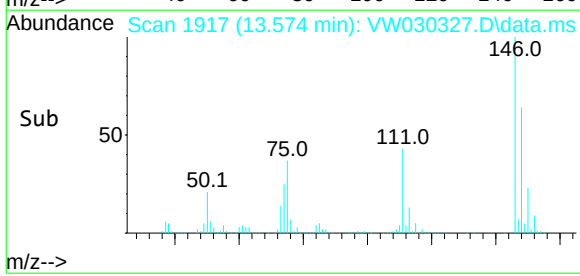
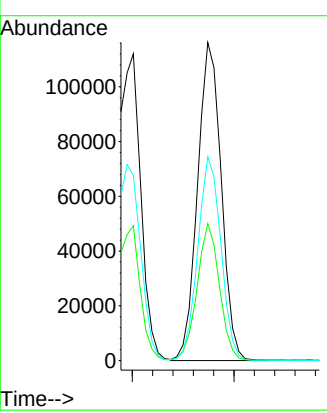
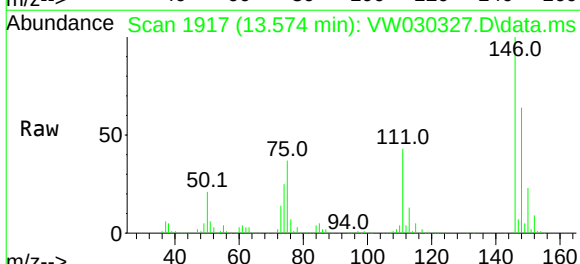
Instrument :
 MSVOA_W
 ClientSampleId :
 A4E69

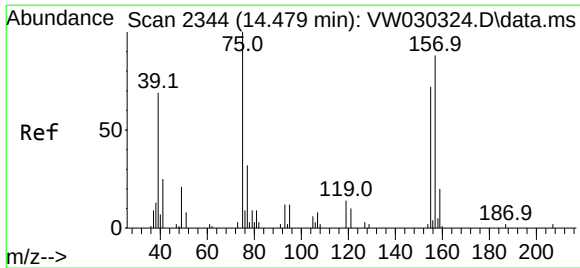
Tgt Ion:	146	Resp:	182266
Ion	Ratio	Lower	Upper
146	100		
111	44.0	33.2	61.6
148	60.3	50.4	93.6



#65
 1,4-Dichlorobenzene
 Concen: 39.663 ug/L
 RT: 13.574 min Scan# 1917
 Delta R.T. -0.003 min
 Lab File: VW030327.D
 Acq: 02 Oct 2024 15:21

Tgt Ion:	146	Resp:	187986
Ion	Ratio	Lower	Upper
146	100		
111	43.1	29.1	54.1
148	64.1	42.1	78.1

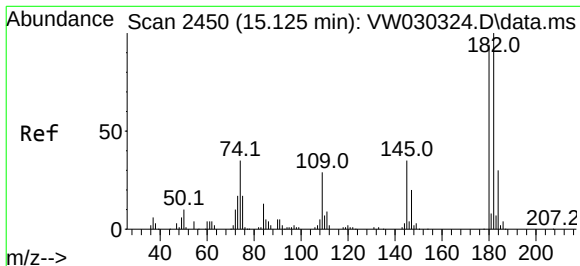
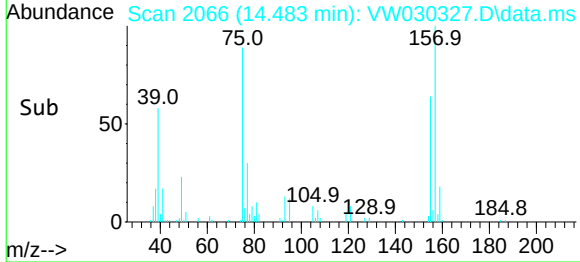
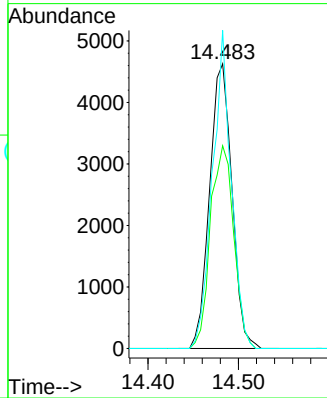
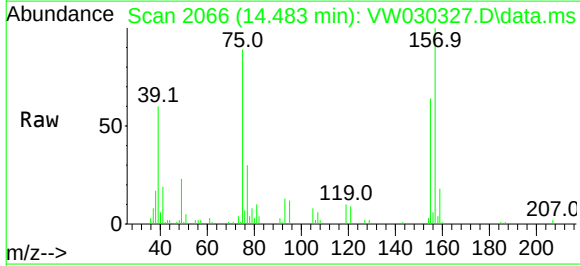




#68
1,2-Dibromo-3-chloropropane
Concen: 24.969 ug/L
RT: 14.483 min Scan# 2066
Delta R.T. 0.004 min
Lab File: VW030327.D
Acq: 02 Oct 2024 15:21

Instrument :
MSVOA_W
ClientSampleId :
A4E69

Tgt Ion:	75	Resp:	7955
Ion	Ratio	Lower	Upper
75	100		
155	71.2	60.1	90.1
157	111.7	74.3	111.5



#70
1,2,4-trichlorobenzene
Concen: 20.037 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.004 min
Lab File: VW030327.D
Acq: 02 Oct 2024 15:21

Tgt Ion:	180	Resp:	53123
Ion	Ratio	Lower	Upper
180	100		
182	92.4	77.2	115.8
145	32.2	25.3	37.9

