

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082924\
 Data File : VV037164.D
 Acq On : 29 Aug 2024 17:39
 Operator : SY/MD
 Sample : P3733-22DL 2X
 Misc : 10.00G/10mL/100uL/5.00mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 30 17:18:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 30 01:20:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	572816	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	560330	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	295488	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	211736	40.408	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.820%
7) Chloroethane-d5	1.500	69	81703	20.175	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	40.360%#
11) 1,1-Dichloroethene-d2	2.047	65	97806	44.410	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.820%
21) 2-Butanone-d5	3.796	46	213958	105.442	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.440%
24) Chloroform-d	4.239	84	393576	47.992	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.980%
26) 1,2-Dichloroethane-d4	4.934	65	246807	47.789	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.580%
32) Benzene-d6	4.947	84	777916	45.965	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.920%
36) 1,2-Dichloropropane-d6	5.982	67	251252	47.398	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.800%
41) Toluene-d8	7.236	98	690303	45.194	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.380%
43) trans-1,3-Dichloroprop...	7.551	79	107809	43.960	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.920%
47) 2-Hexanone-d5	8.027	63	148244	102.470	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.470%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	329318	51.224	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.440%
66) 1,2-Dichlorobenzene-d4	11.554	152	278712	47.095	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.200%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.047	101	3537	0.892	ug/L #	24
12) 1,1-Dichloroethene	2.056	96	311584	83.376	ug/L	84
13) Acetone	2.114	43	261532	120.177	ug/L	99
15) Methyl Acetate	2.371	43	41058	11.254	ug/L	96
16) Methylene chloride	2.436	84	299078	70.931	ug/L	99
17) trans-1,2-Dichloroethene	2.680	96	293939	75.766	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	20166	1.652	ug/L #	94
20) cis-1,2-Dichloroethene	3.799	96	315489	73.593	ug/L	98
22) 2-Butanone	3.873	43	440191	183.715	ug/L	99
25) Chloroform	4.265	83	320291	41.049	ug/L	98
31) Carbon tetrachloride	4.722	117	200054	36.772	ug/L	98
33) Benzene	4.998	78	1347937	83.357	ug/L	100
34) Trichloroethene	5.825	95	347953	81.523	ug/L	98
42) Toluene	7.310	91	679855	40.380	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	168143	27.497	ug/L	99
46) Tetrachloroethene	7.898	164	227969	74.441	ug/L	97
48) 2-Hexanone	8.027	43	18229	5.348	ug/L #	69
49) Dibromochloromethane	8.172	129	377352	93.382	ug/L	98
50) 1,2-Dibromoethane	8.278	107	362189	88.692	ug/L	99

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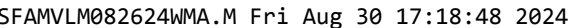
Instrument :
MSVOA_V
ClientSampleId :

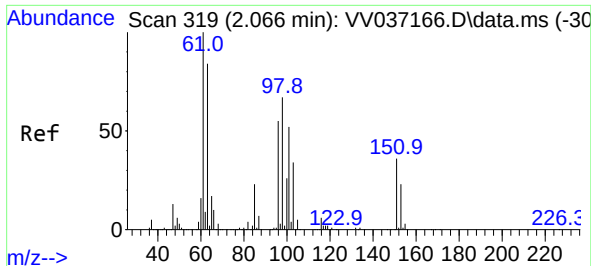
Quant Time: Aug 30 17:18:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 30 01:20:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	8.940	91	1155063	60.736	ug/L	99
53) m,p-Xylene	9.069	106	431537	61.244	ug/L	100
54) o-Xylene	9.474	106	194546	28.199	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	445619	74.557	ug/L	98
59) Bromoform	9.664	173	55321	20.106	ug/L	98
64) 1,3-Dichlorobenzene	11.111	146	414488	46.858	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	347406	38.373	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	786874	90.470	ug/L	99

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

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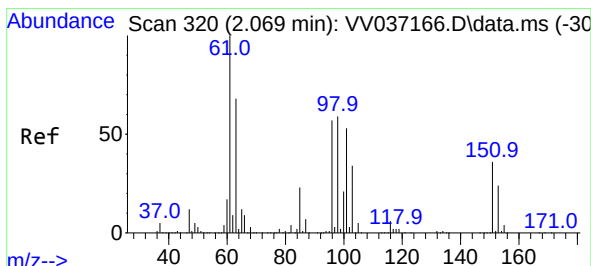
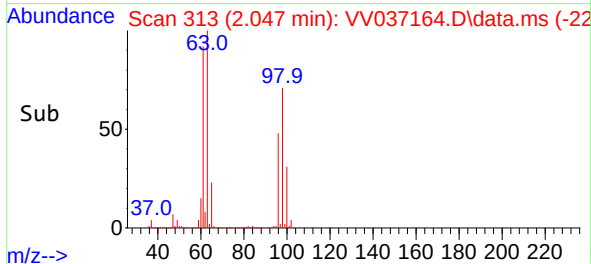
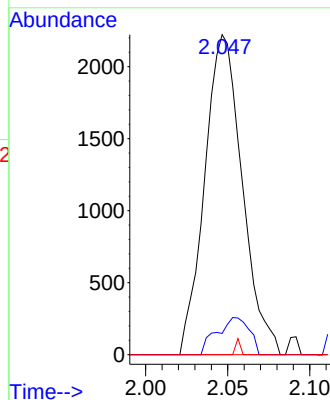
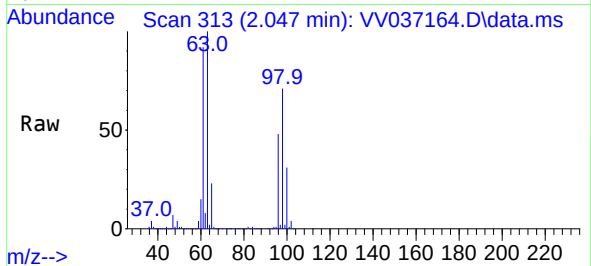




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.892 ug/L
RT: 2.047 min Scan# 31
Delta R.T. -0.019 min
Lab File: VV037164.D
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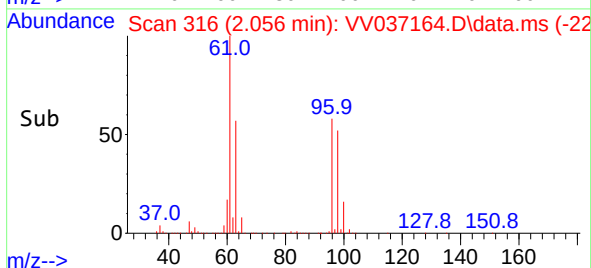
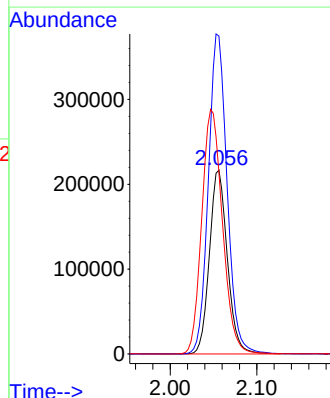
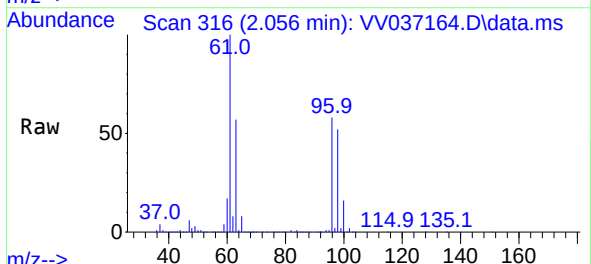
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MSVOA_V
ClientSampleId :

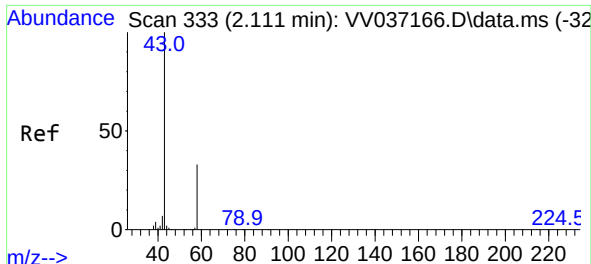
Tgt Ion:101 Resp: 3537
Ion Ratio Lower Upper
101 100
85 3.1 35.6 53.4#
151 0.0 55.0 82.4#



#12
1,1-Dichloroethene
Concen: 83.376 ug/L
RT: 2.056 min Scan# 316
Delta R.T. -0.013 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

Tgt Ion: 96 Resp: 311584
Ion Ratio Lower Upper
96 100
61 172.9 123.8 229.8
63 98.8 96.5 179.1

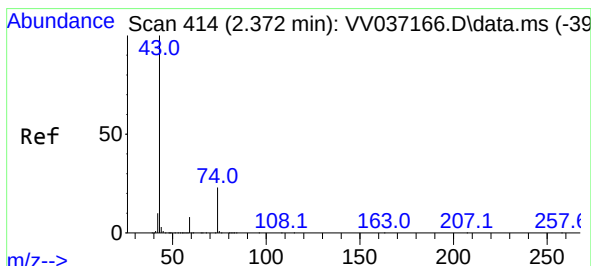
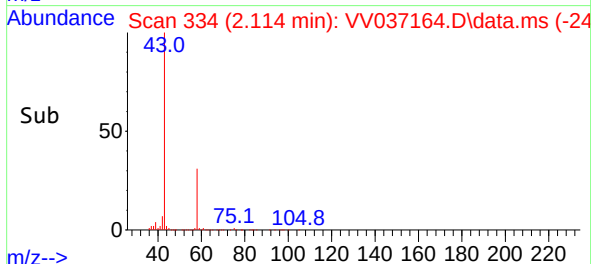
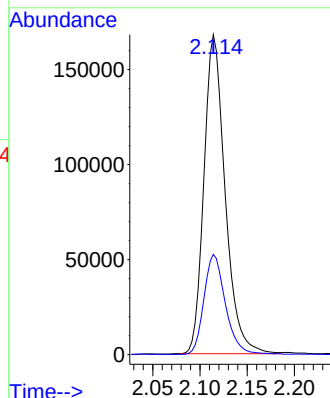
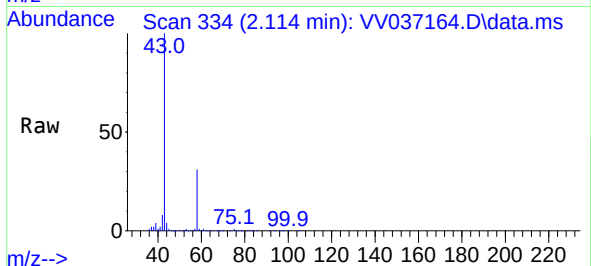




#13
Acetone
Concen: 120.177 ug/L
RT: 2.114 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

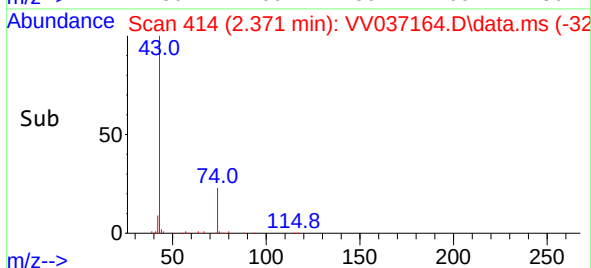
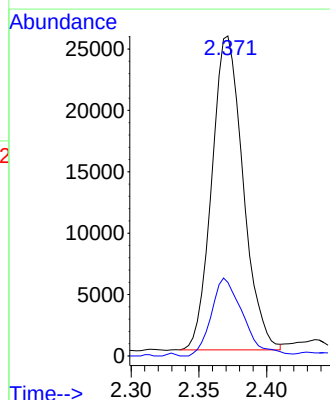
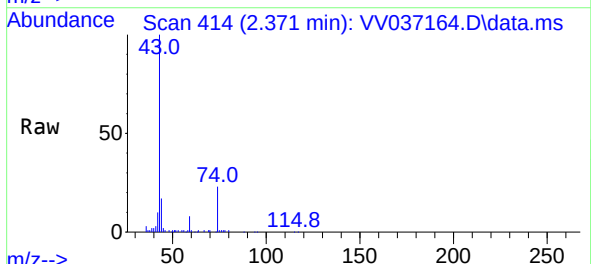
Instrument :
MSVOA_V
ClientSampleId :

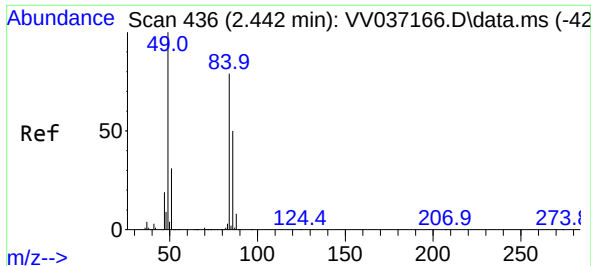
Tgt Ion: 43 Resp: 261532
Ion Ratio Lower Upper
43 100
58 31.9 0.0 64.8



#15
Methyl Acetate
Concen: 11.254 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

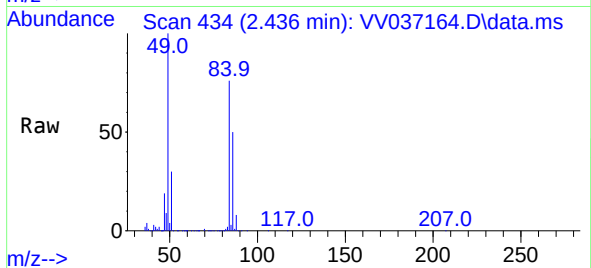
Tgt Ion: 43 Resp: 41058
Ion Ratio Lower Upper
43 100
74 25.2 18.4 27.6





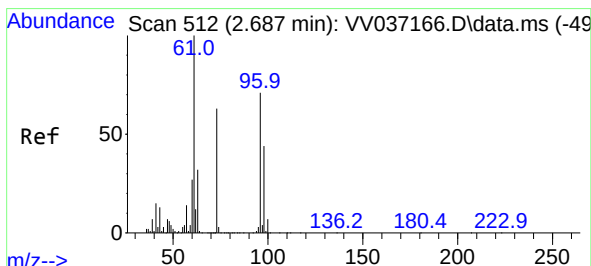
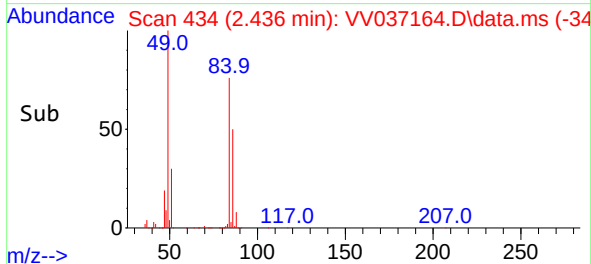
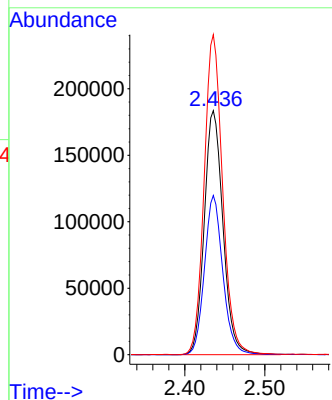
#16
Methylene chloride
Concen: 70.931 ug/L
RT: 2.436 min Scan# 41
Delta R.T. -0.007 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 84 Resp: 299078

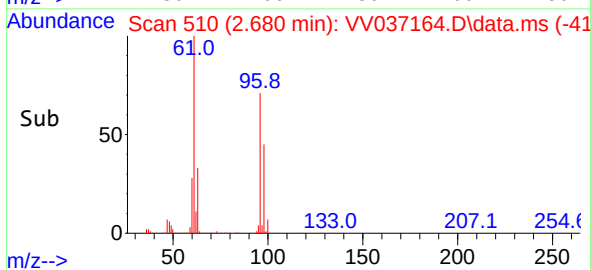
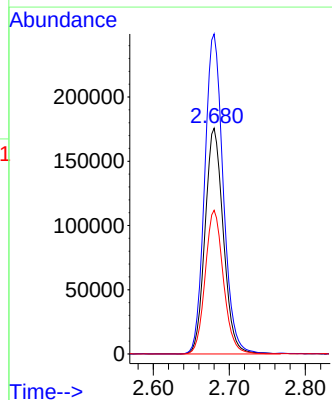
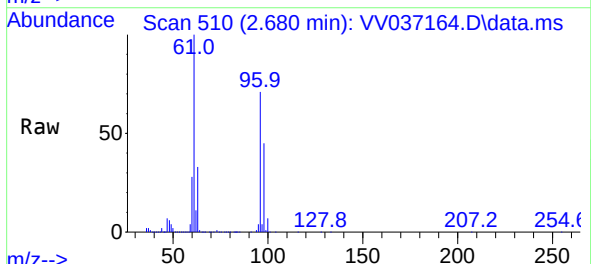
Ion	Ratio	Lower	Upper
84	100		
86	65.3	44.7	82.9
49	131.1	91.4	169.8

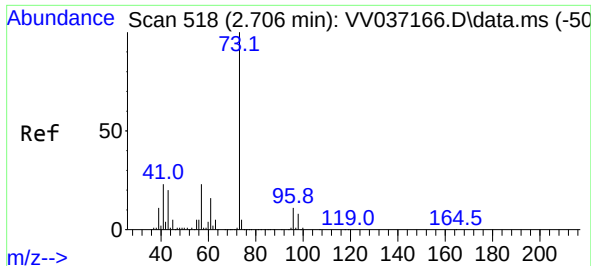


#17
trans-1,2-Dichloroethene
Concen: 75.766 ug/L
RT: 2.680 min Scan# 510
Delta R.T. -0.007 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

Tgt Ion: 96 Resp: 293939

Ion	Ratio	Lower	Upper
96	100		
61	141.7	102.3	189.9
98	63.6	44.8	83.2

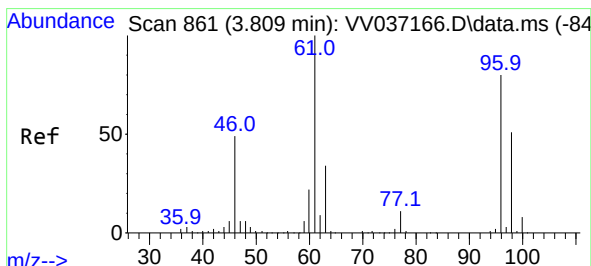
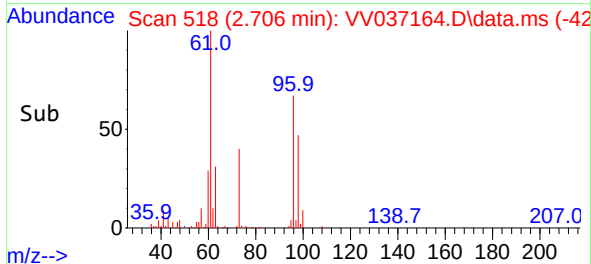
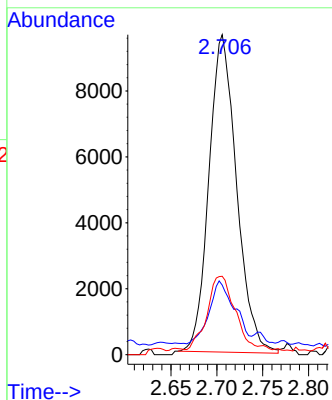
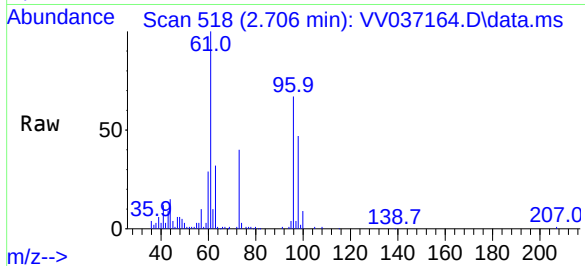




#18
Methyl tert-butyl Ether
Concen: 1.652 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.000 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

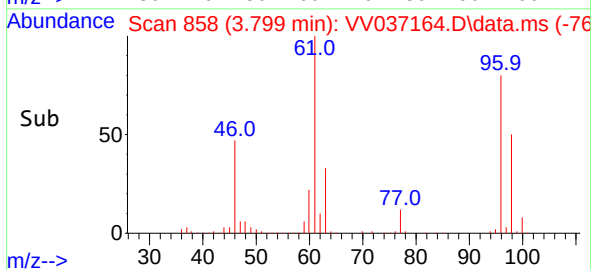
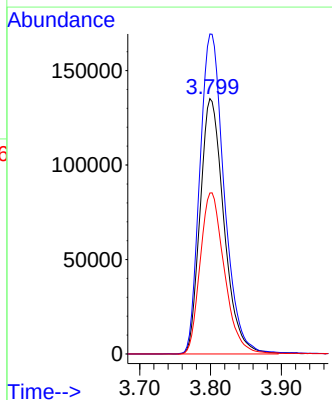
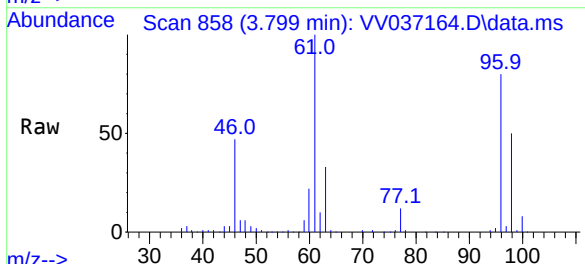
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MSVOA_V
ClientSampleId :

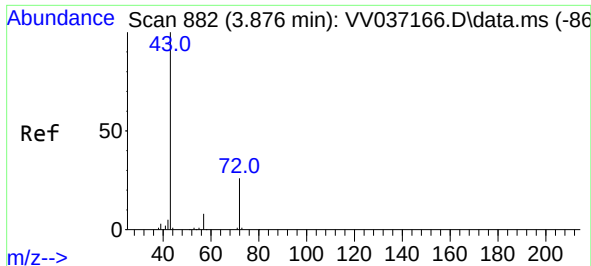
Tgt Ion: 73	Resp: 20166
Ion Ratio	Lower Upper
73	100
43	14.8 15.8 23.6#
57	23.4 18.1 27.1



#20
cis-1,2-Dichloroethene
Concen: 73.593 ug/L
RT: 3.799 min Scan# 858
Delta R.T. -0.010 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

Tgt Ion: 96	Resp: 315489
Ion Ratio	Lower Upper
96	100
61	125.3 89.9 166.9
98	63.0 44.8 83.2

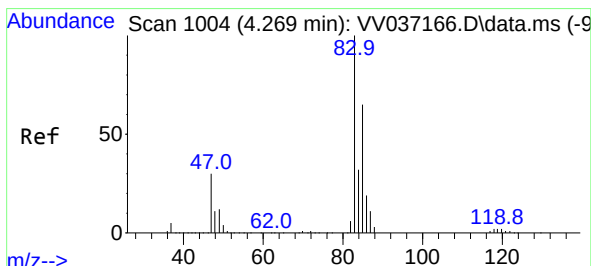
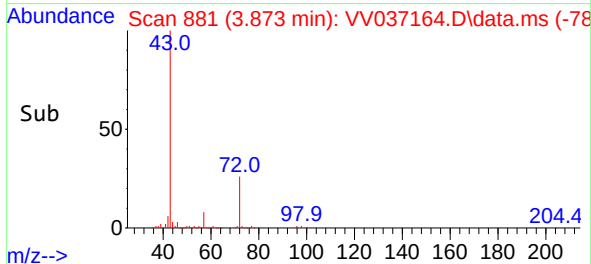
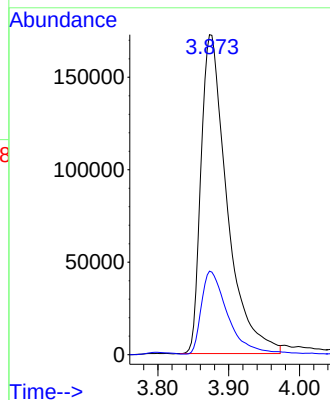
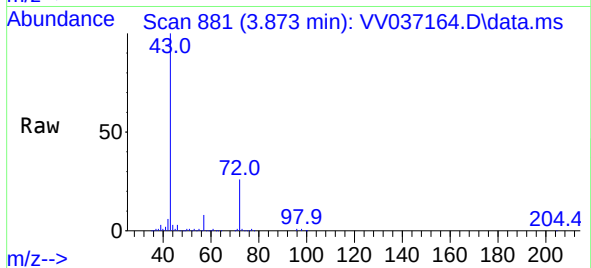




#22
2-Butanone
Concen: 183.715 ug/L
RT: 3.873 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

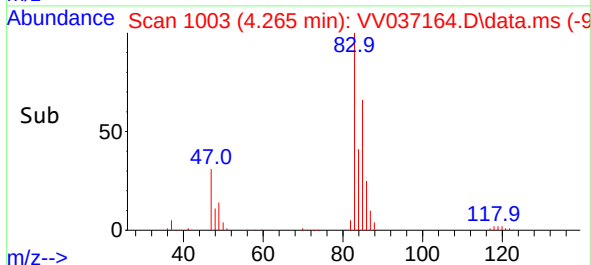
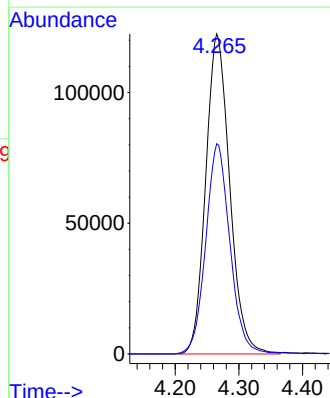
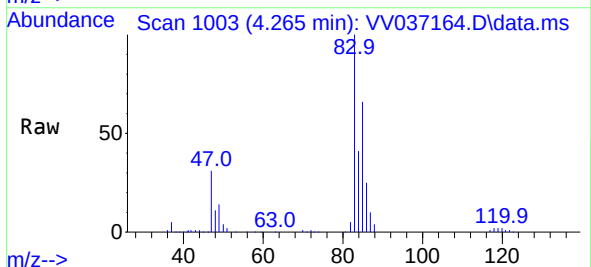
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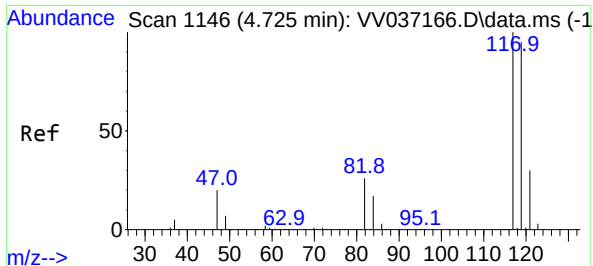
Tgt Ion: 43 Resp: 440191
Ion Ratio Lower Upper
43 100
72 26.0 12.7 38.0



#25
Chloroform
Concen: 41.049 ug/L
RT: 4.265 min Scan# 1003
Delta R.T. -0.003 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

Tgt Ion: 83 Resp: 320291
Ion Ratio Lower Upper
83 100
85 65.7 45.1 83.7

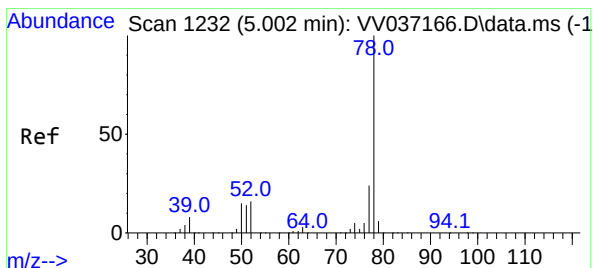
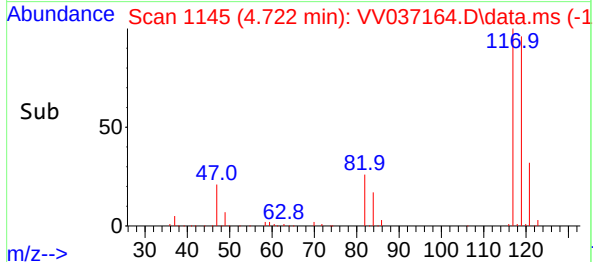
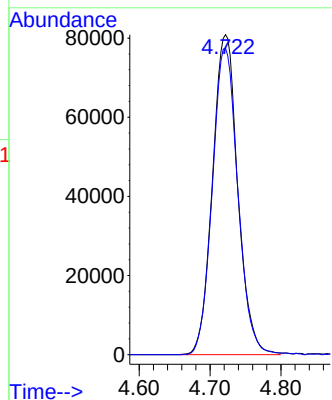
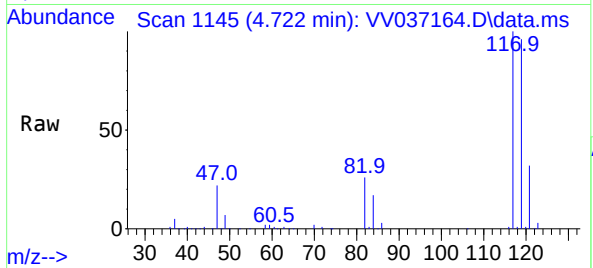




#31
Carbon tetrachloride
Concen: 36.772 ug/L
RT: 4.722 min Scan# 1145
Delta R.T. -0.003 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

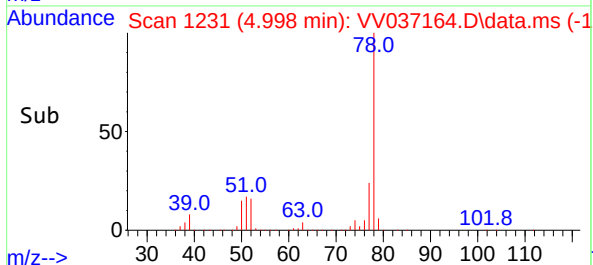
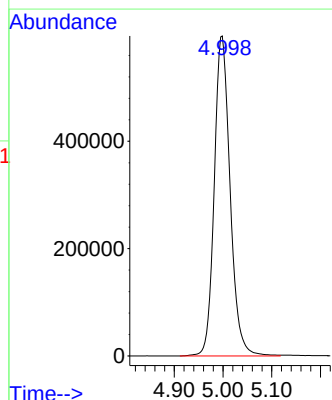
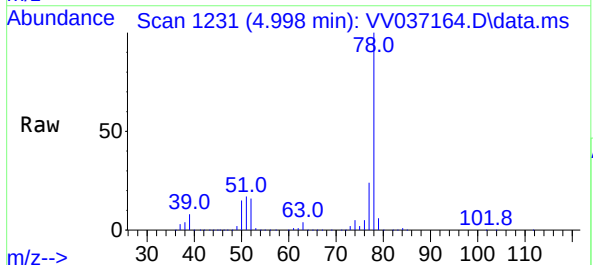
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MSVOA_V
ClientSampleId :

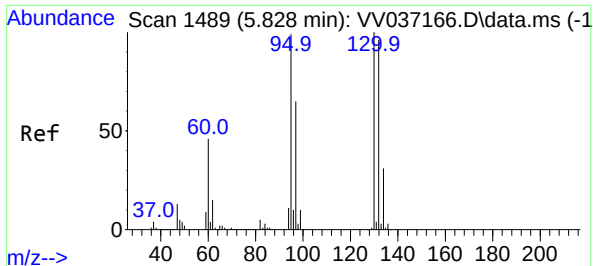
Tgt Ion:117 Resp: 200054
Ion Ratio Lower Upper
117 100
119 96.6 75.8 113.6



#33
Benzene
Concen: 83.357 ug/L
RT: 4.998 min Scan# 1231
Delta R.T. -0.003 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

Tgt Ion: 78 Resp: 1347937



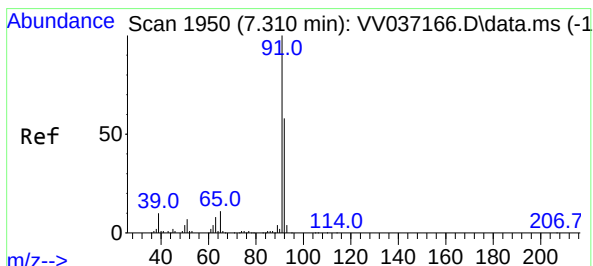
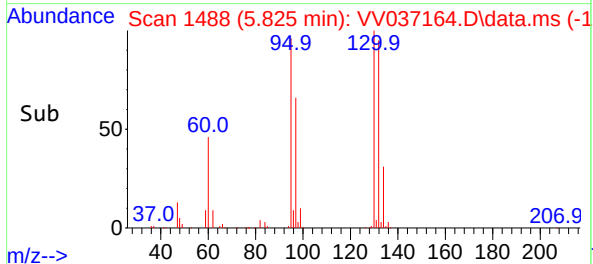
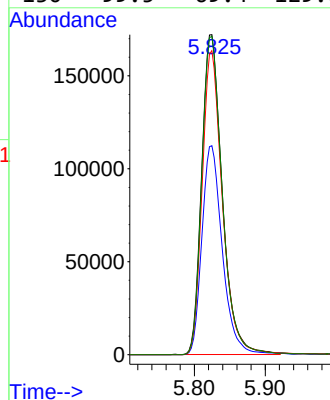
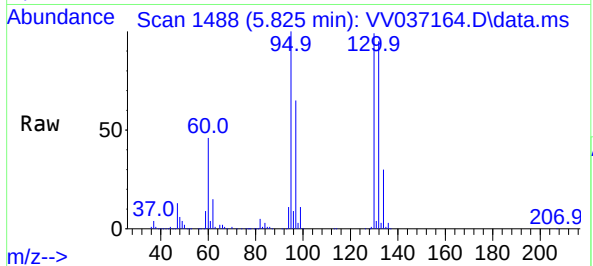


#34
Trichloroethene
Concen: 81.523 ug/L
RT: 5.825 min Scan# 1489
Delta R.T. -0.003 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 95 Resp: 347953

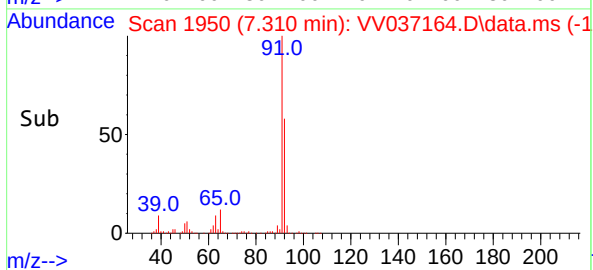
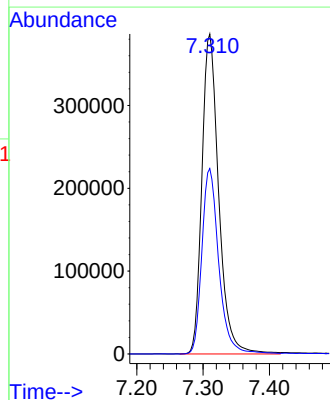
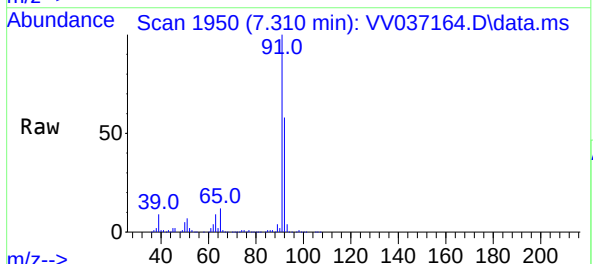
Ion	Ratio	Lower	Upper
95	100		
97	65.3	44.4	82.5
132	95.0	64.9	120.5
130	99.5	69.4	129.0

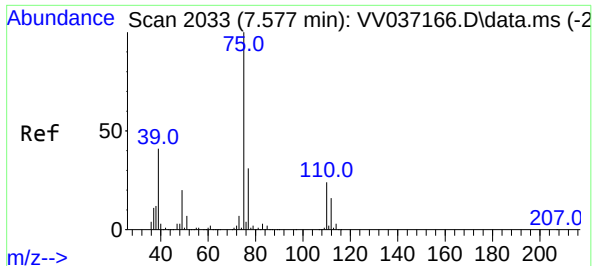


#42
Toluene
Concen: 40.380 ug/L
RT: 7.310 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

Tgt Ion: 91 Resp: 679855

Ion	Ratio	Lower	Upper
91	100		
92	58.0	40.8	75.8

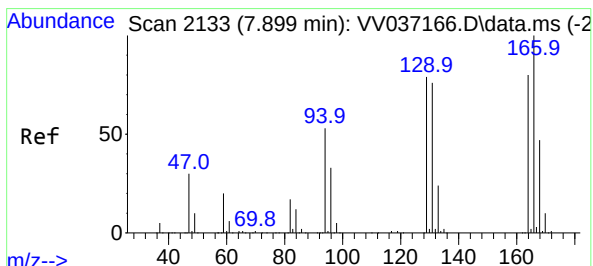
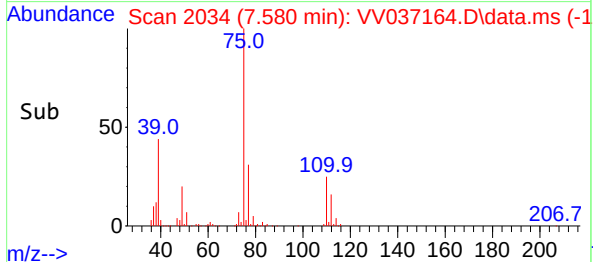
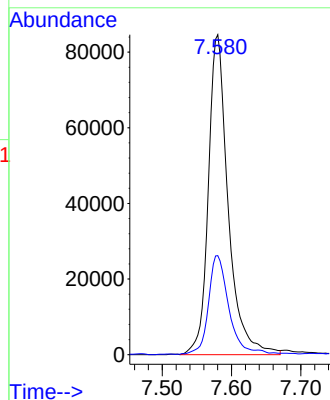
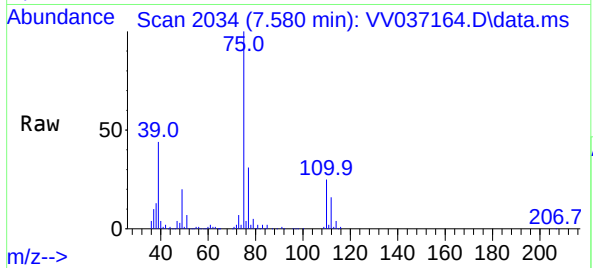




#44
trans-1,3-Dichloropropene
Concen: 27.497 ug/L
RT: 7.580 min Scan# 2033
Delta R.T. 0.003 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

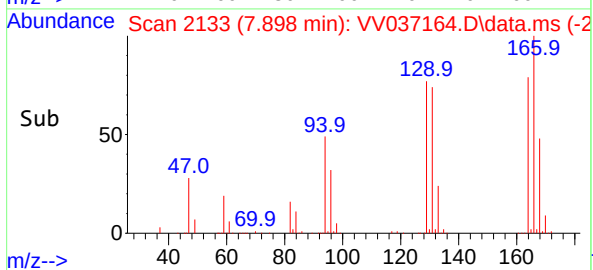
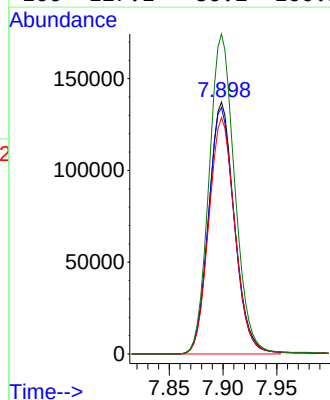
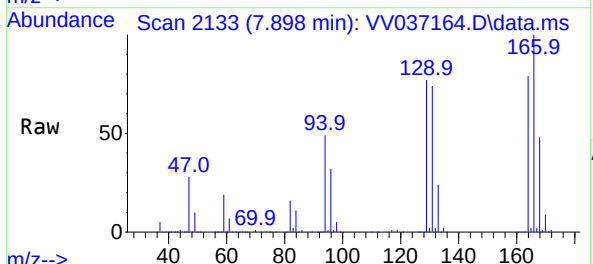
Instrument :
MSVOA_V
ClientSampleId :

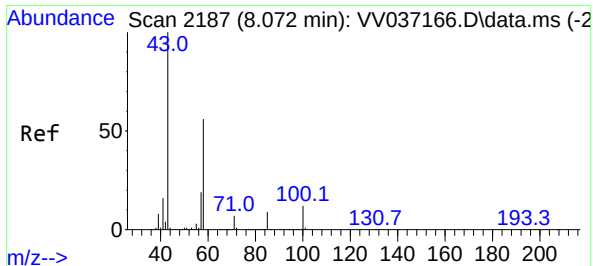
Tgt Ion: 75 Resp: 168143
Ion Ratio Lower Upper
75 100
77 31.0 22.0 40.8



#46
Tetrachloroethene
Concen: 74.441 ug/L
RT: 7.898 min Scan# 2133
Delta R.T. -0.000 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

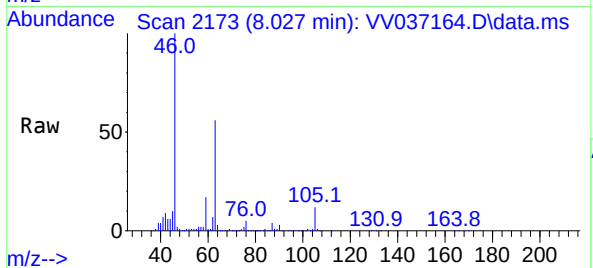
Tgt Ion: 164 Resp: 227969
Ion Ratio Lower Upper
164 100
129 97.8 67.1 124.7
131 93.8 67.0 124.4
166 127.1 86.2 160.2



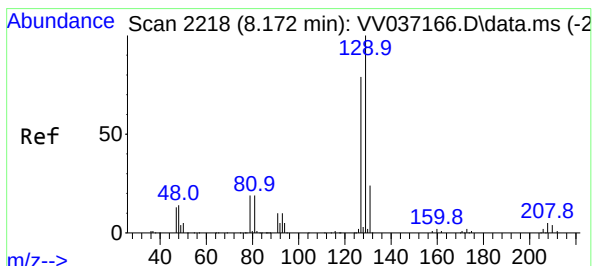
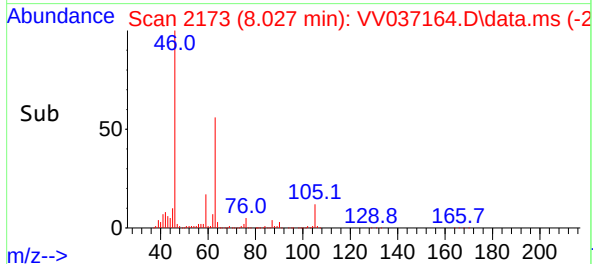
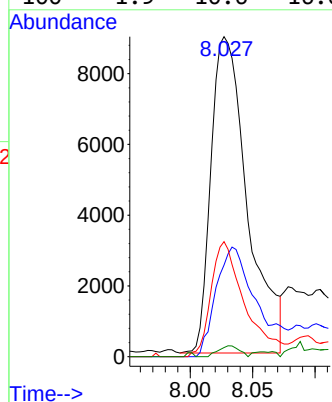


#48
2-Hexanone
Concen: 5.348 ug/L
RT: 8.027 min Scan# 2187
Delta R.T. -0.045 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

Instrument :
MSVOA_V
ClientSampleId :

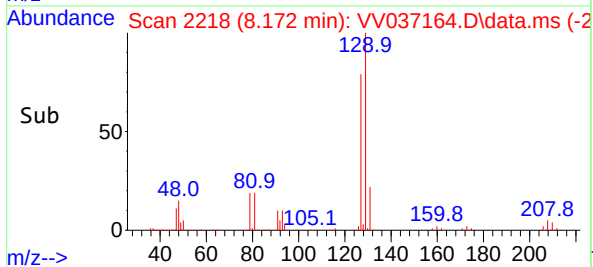
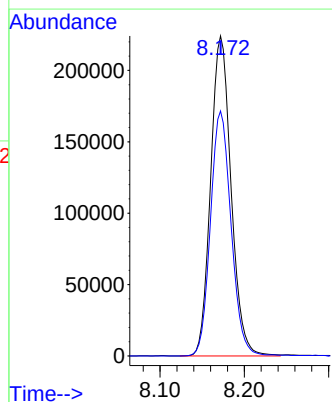
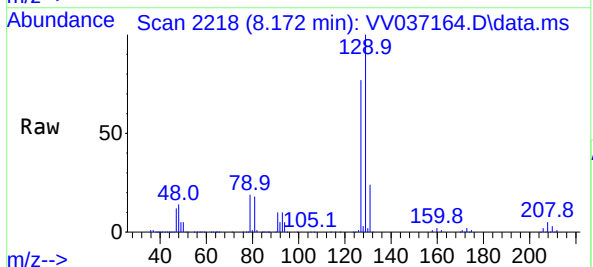


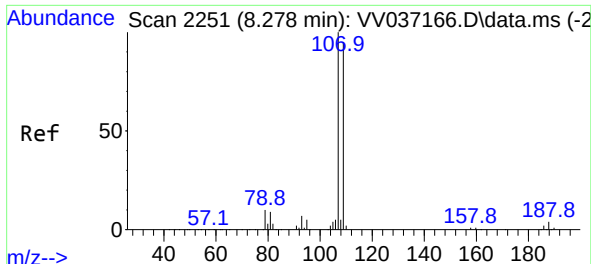
Tgt Ion: 43 Resp: 18229
Ion Ratio Lower Upper
43 100
58 34.3 46.0 69.0#
57 34.0 15.6 23.4#
100 1.9 10.6 16.0#



#49
Dibromochloromethane
Concen: 93.382 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. -0.000 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

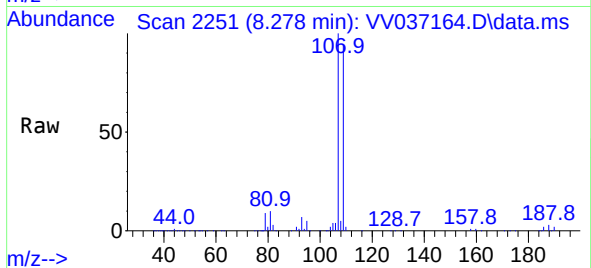
Tgt Ion: 129 Resp: 377352
Ion Ratio Lower Upper
129 100
127 76.6 54.7 101.7



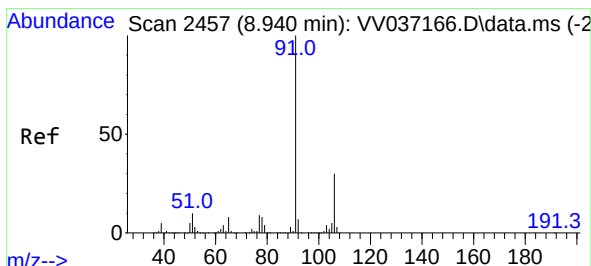
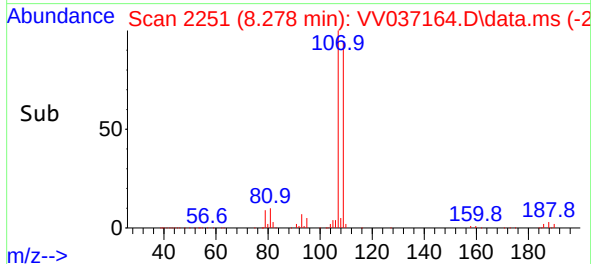
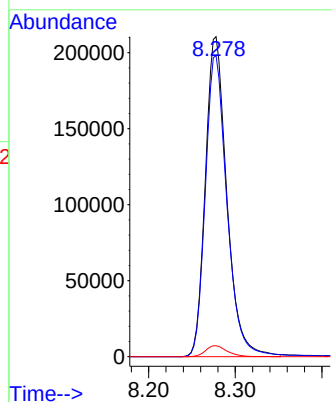


#50
1,2-Dibromoethane
Concen: 88.692 ug/L
RT: 8.278 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

Instrument :
MSVOA_V
ClientSampleId :

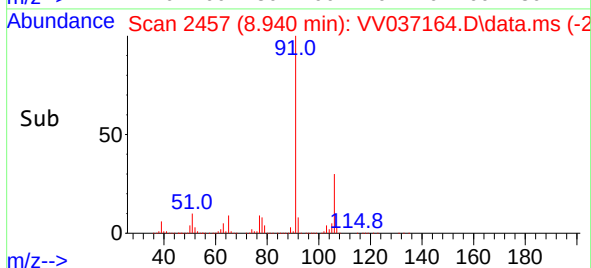
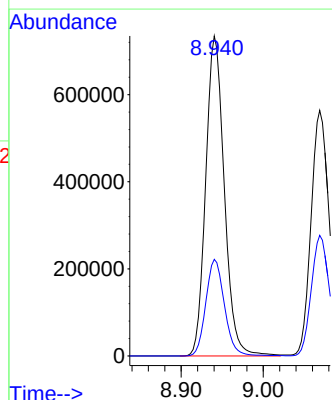
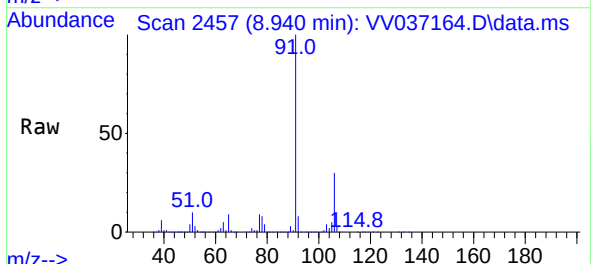


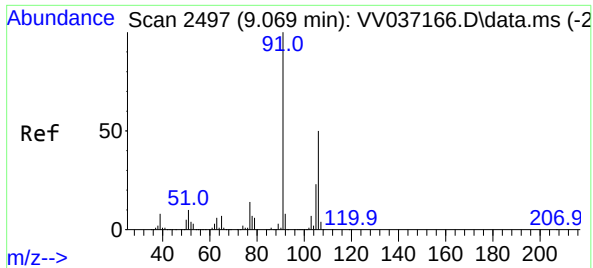
Tgt Ion:107 Resp: 362189
Ion Ratio Lower Upper
107 100
109 94.2 66.6 123.6
188 3.6 2.6 3.8



#52
Ethylbenzene
Concen: 60.736 ug/L
RT: 8.940 min Scan# 2457
Delta R.T. -0.000 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

Tgt Ion: 91 Resp: 1155063
Ion Ratio Lower Upper
91 100
106 30.2 21.4 39.8

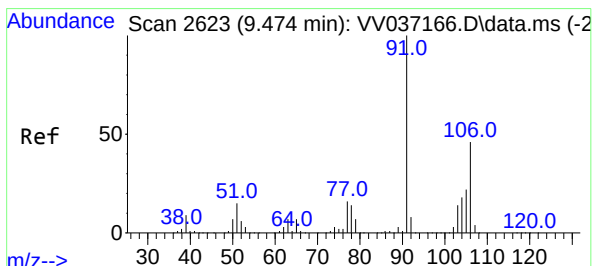
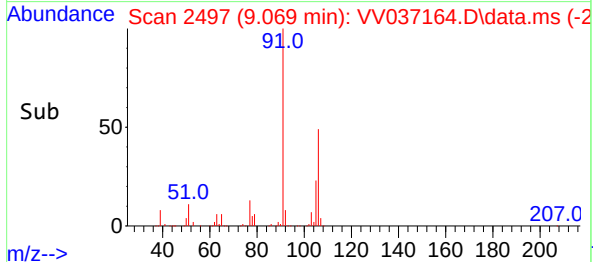
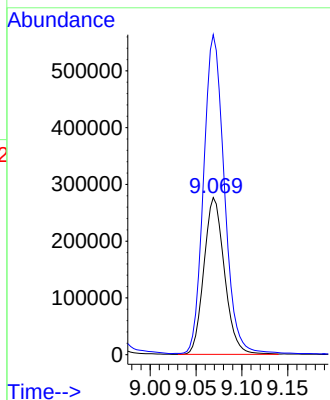
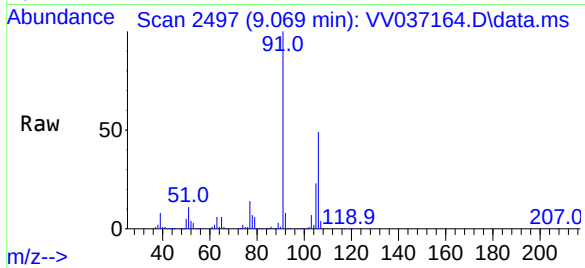




#53
m,p-Xylene
Concen: 61.244 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. -0.000 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

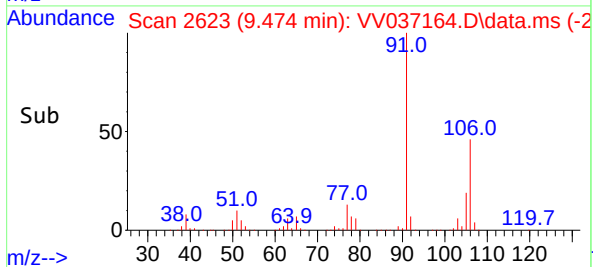
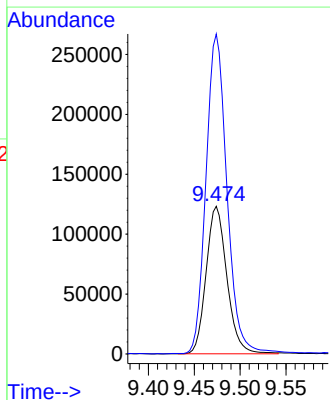
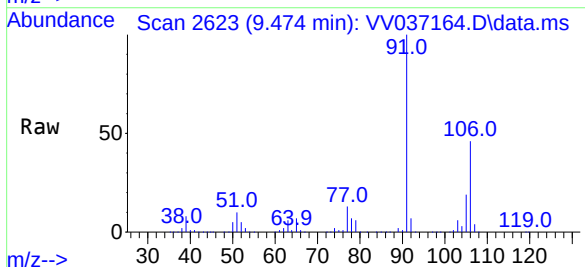
Instrument :
MSVOA_V
ClientSampleId :

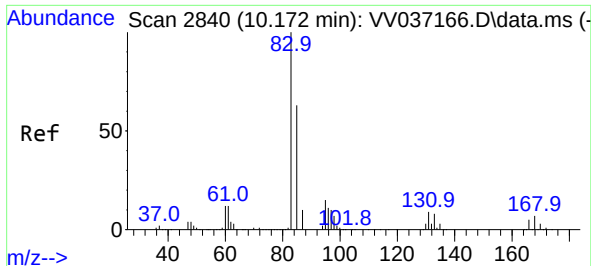
Tgt Ion:106 Resp: 431537
Ion Ratio Lower Upper
106 100
91 203.7 143.0 265.6



#54
o-Xylene
Concen: 28.199 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. -0.000 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

Tgt Ion:106 Resp: 194546
Ion Ratio Lower Upper
106 100
91 216.5 153.2 284.6





#57

1,1,2,2-Tetrachloroethane

Concen: 74.557 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. -0.000 min

Lab File: VV037164.D

Acq: 29 Aug 2024 17:39

Instrument :

MSVOA_V

ClientSampleId :

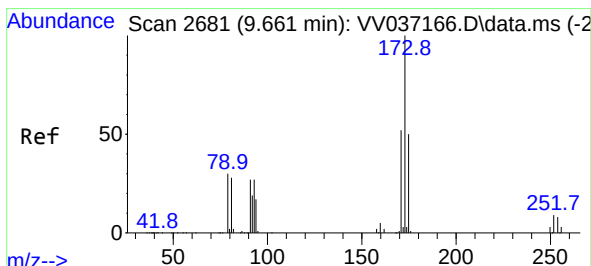
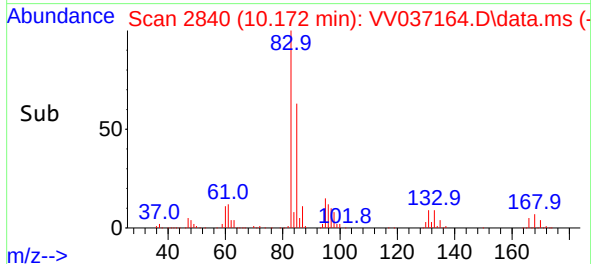
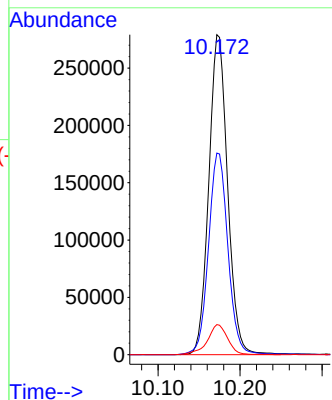
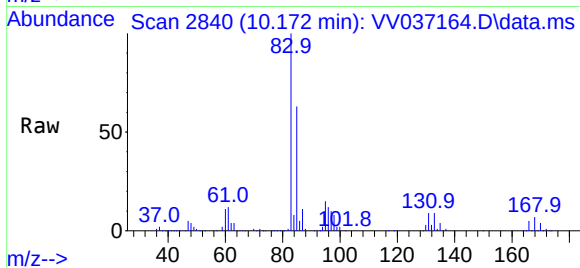
Tgt Ion: 83 Resp: 445619

Ion Ratio Lower Upper

83 100

85 63.0 45.1 83.7

131 9.4 7.4 11.0



#59

Bromoform

Concen: 20.106 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.003 min

Lab File: VV037164.D

Acq: 29 Aug 2024 17:39

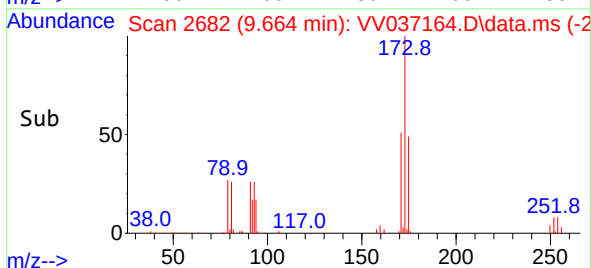
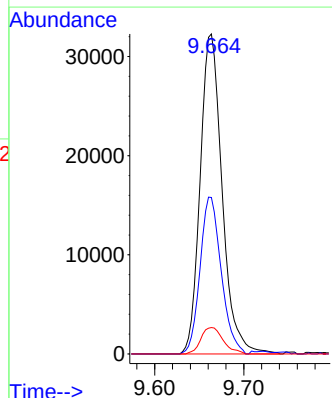
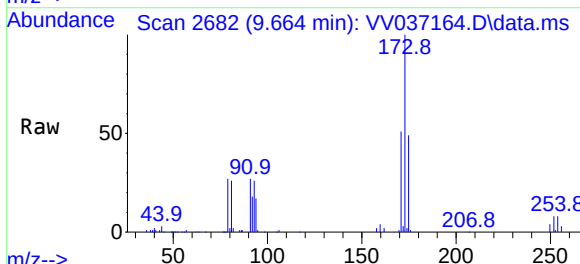
Tgt Ion: 173 Resp: 55321

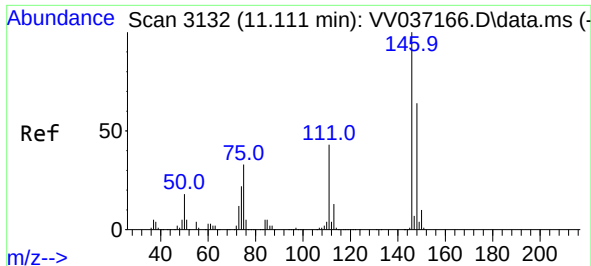
Ion Ratio Lower Upper

173 100

175 47.1 38.7 58.1

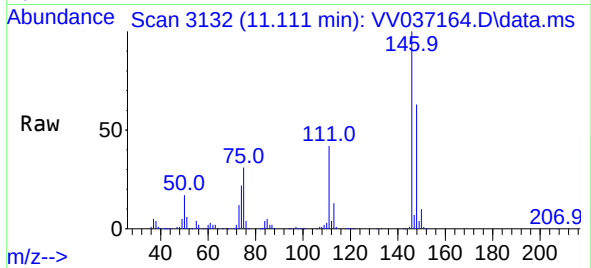
254 8.4 6.8 10.2



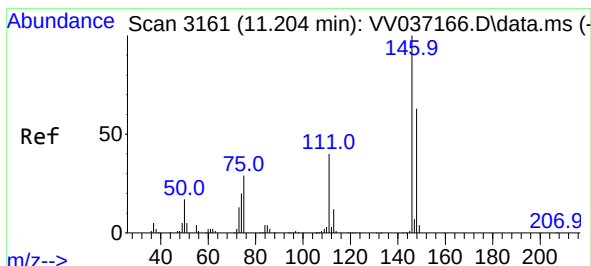
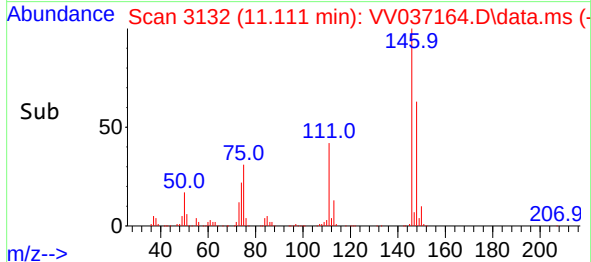
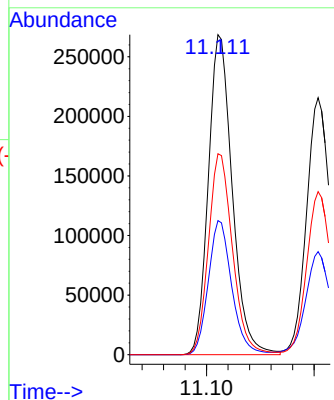


#64
1,3-Dichlorobenzene
Concen: 46.858 ug/L
RT: 11.111 min Scan# 3132
Delta R.T. -0.000 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

Instrument :
MSVOA_V
ClientSampleId :

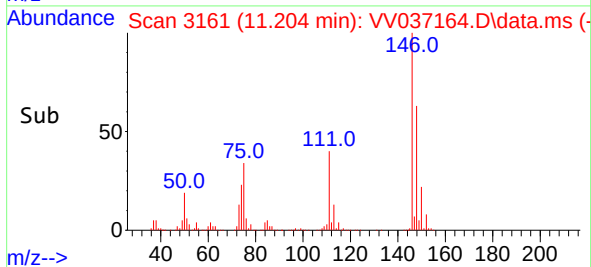
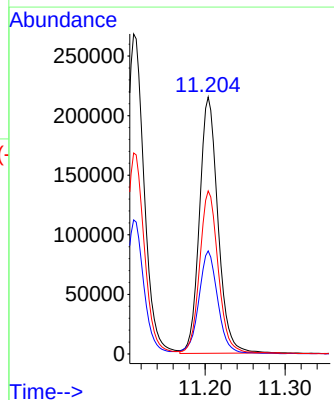
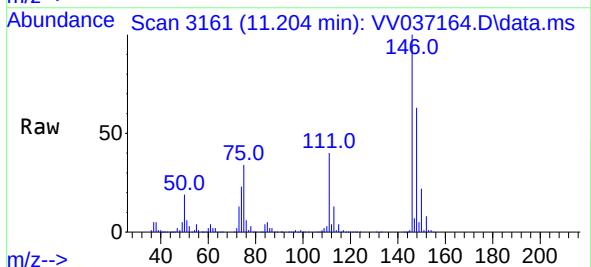


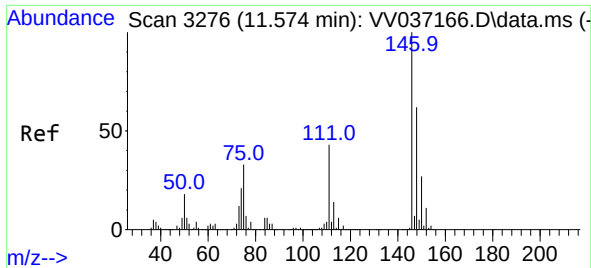
Tgt Ion:146 Resp: 414488
Ion Ratio Lower Upper
146 100
111 41.9 29.7 55.1
148 62.8 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 38.373 ug/L
RT: 11.204 min Scan# 3161
Delta R.T. -0.000 min
Lab File: VV037164.D
Acq: 29 Aug 2024 17:39

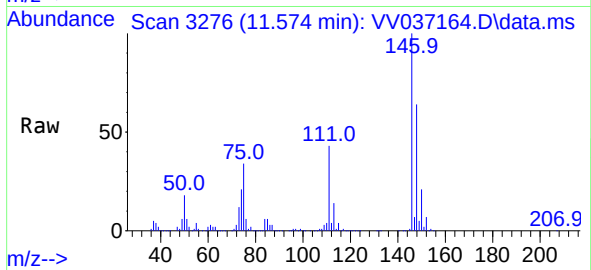
Tgt Ion:146 Resp: 347406
Ion Ratio Lower Upper
146 100
111 40.1 28.1 52.1
148 63.4 44.2 82.0





#67
 1,2-Dichlorobenzene
 Concen: 90.470 ug/L
 RT: 11.574 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV037164.D
 Acq: 29 Aug 2024 17:39

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	146	Resp:	786874
Ion	Ratio	Lower	Upper
146	100		
111	43.5	34.6	51.8
148	63.7	50.2	75.4

