

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082924\
 Data File : VV037146.D
 Acq On : 29 Aug 2024 11:07
 Operator : SY/MD
 Sample : P3733-22
 Misc : 10.00G/10mL/100uL/5.00mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 30 17:18:27 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	699829	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	680652	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	353362	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	296996	46.393	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.780%
7) Chloroethane-d5	1.506	69	153953	31.116	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	62.240%#
11) 1,1-Dichloroethene-d2	2.040	65	136179	50.611	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.220%
21) 2-Butanone-d5	3.796	46	152692	61.592	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	61.590%
24) Chloroform-d	4.239	84	543199	54.215	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.440%
26) 1,2-Dichloroethane-d4	4.934	65	335042	53.100	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.200%
32) Benzene-d6	4.947	84	1075826	52.330	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.660%
36) 1,2-Dichloropropane-d6	5.982	67	341811	53.083	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.160%
41) Toluene-d8	7.236	98	961750	51.835	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.680%
43) trans-1,3-Dichloroprop...	7.551	79	154254	51.780	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.560%
47) 2-Hexanone-d5	8.030	63	198391	112.891	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.890%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	430291	55.099	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.200%
66) 1,2-Dichlorobenzene-d4	11.554	152	371110	52.438	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.880%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.047	101	5386	1.111	ug/L #	29
13) Acetone	2.117	43	298149	112.138	ug/L	100
15) Methyl Acetate	2.371	43	55666	12.488	ug/L	92
16) Methylene chloride	2.436	84	615594	119.501	ug/L	99
17) trans-1,2-Dichloroethene	2.677	96	600661	126.727	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	37774	2.533	ug/L	97
20) cis-1,2-Dichloroethene	3.799	96	661645	126.328	ug/L	98
22) 2-Butanone	3.876	43	581998	198.815	ug/L	96
25) Chloroform	4.265	83	654596	68.667	ug/L	99
31) Carbon tetrachloride	4.719	117	427638	64.710	ug/L	98
33) Benzene	4.995	78	2796918	142.387	ug/L	100
34) Trichloroethene	5.821	95	739722	142.675	ug/L	99
42) Toluene	7.310	91	1445917	70.698	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	377223	50.783	ug/L	100
46) Tetrachloroethene	7.898	164	479028	128.771	ug/L	96
48) 2-Hexanone	8.037	43	26763	6.464	ug/L #	67
49) Dibromochloromethane	8.172	129	813093	165.645	ug/L	100
50) 1,2-Dibromoethane	8.278	107	758068	152.818	ug/L	99
52) Ethylbenzene	8.940	91	2495443	108.021	ug/L	99

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QLast Update : Fri Aug 30 01:20:16 2024
Response via : Initial Calibration

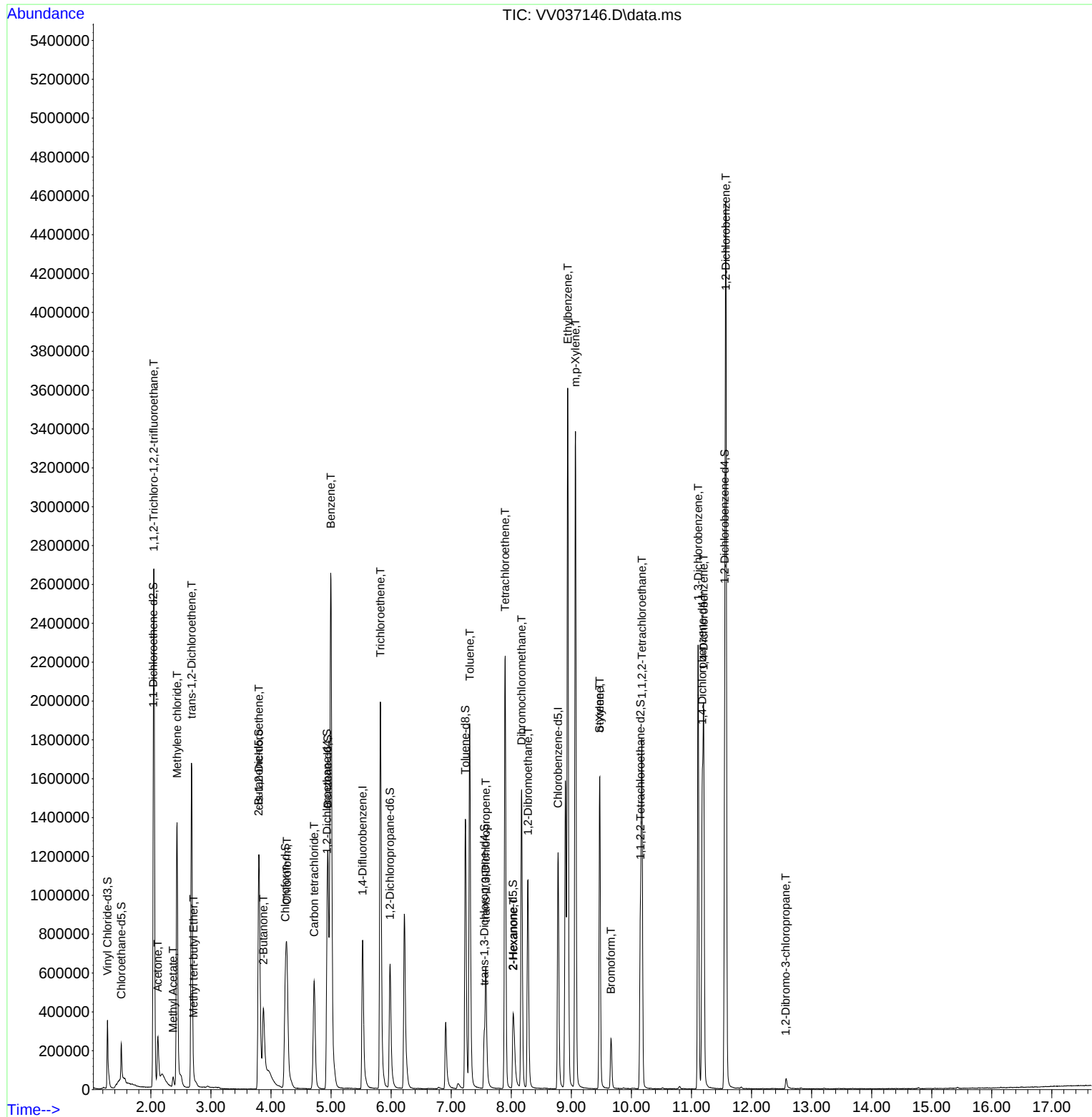
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.069	106	929732	108.622	ug/L	99
54) o-Xylene	9.474	106	418822	49.975	ug/L	98
55) Styrene	9.471	104	21292	1.464	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.175	83	880539	121.280	ug/L	100
59) Bromoform	9.660	173	115839	35.205	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	870051	82.250	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	721670	66.657	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	1597228	153.563	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.570	75	2024	1.476	ug/L #	4

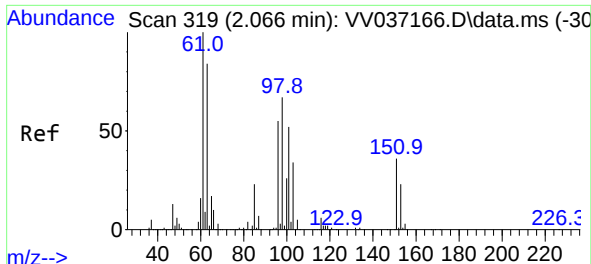
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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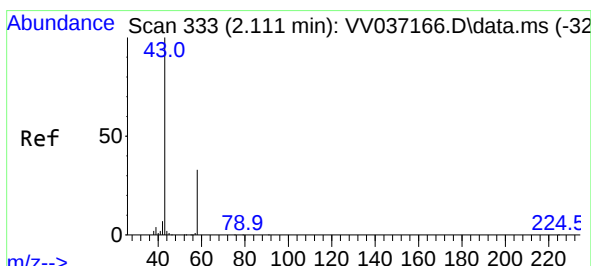
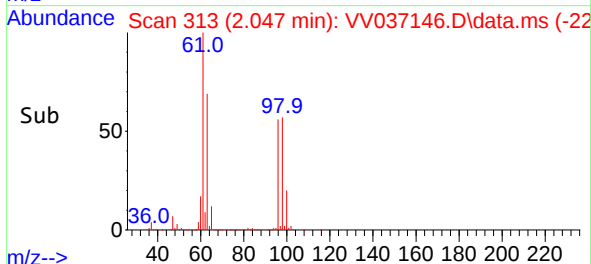
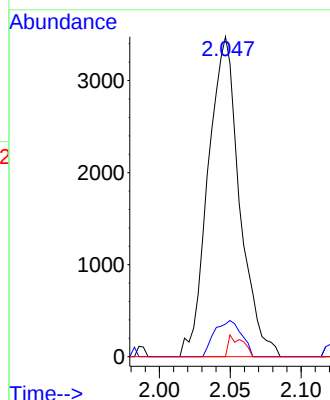
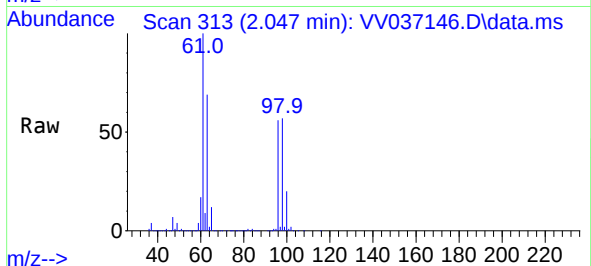




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.111 ug/L
RT: 2.047 min Scan# 319
Delta R.T. -0.019 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

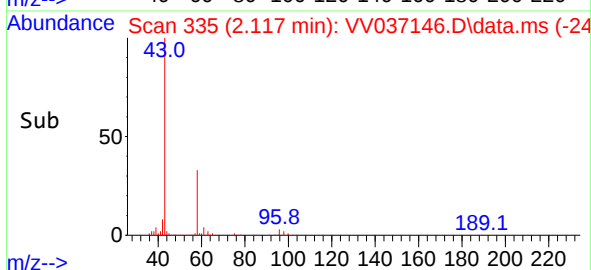
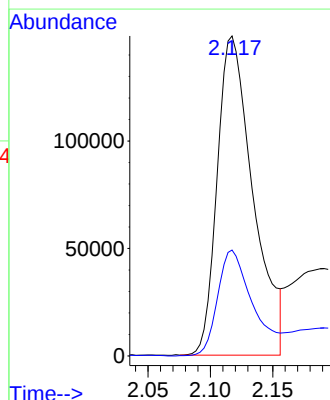
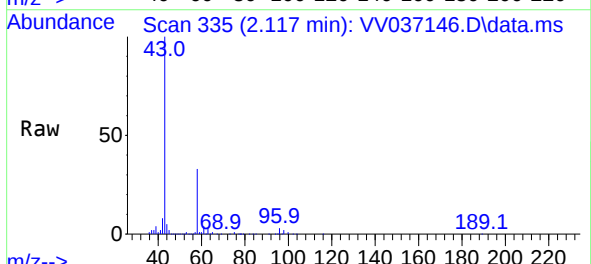
Instrument :
MSVOA_V
ClientSampleId :

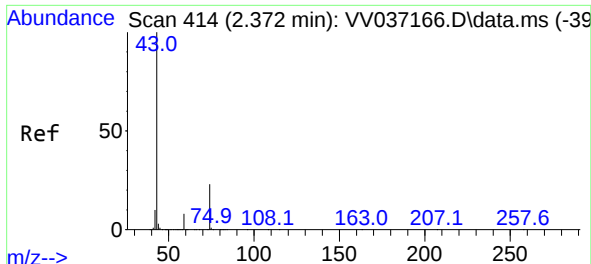
Tgt Ion:101 Resp: 5386
Ion Ratio Lower Upper
101 100
85 9.7 35.6 53.4#
151 1.4 55.0 82.4#



#13
Acetone
Concen: 112.138 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.006 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

Tgt Ion: 43 Resp: 298149
Ion Ratio Lower Upper
43 100
58 32.5 0.0 64.8

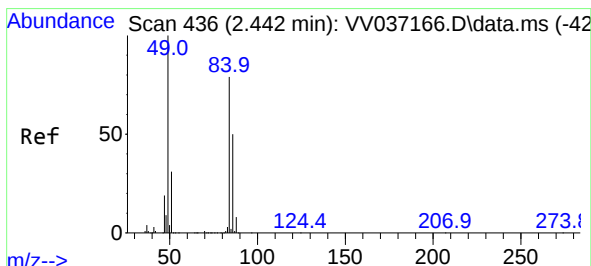
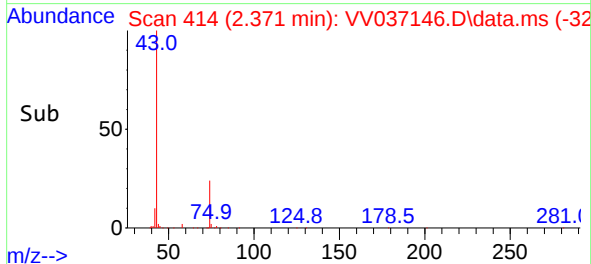
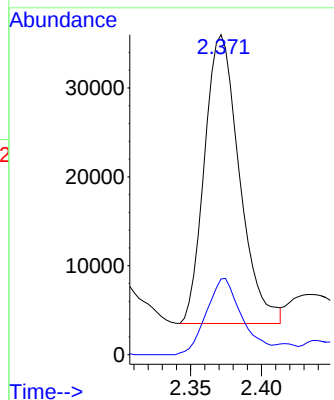
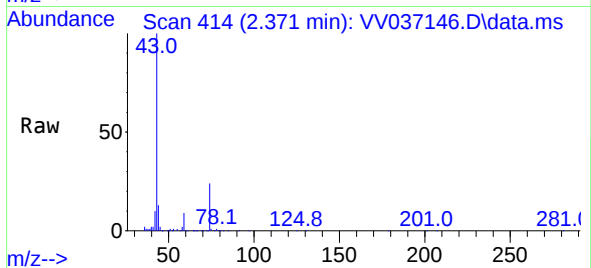




#15
Methyl Acetate
Concen: 12.488 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

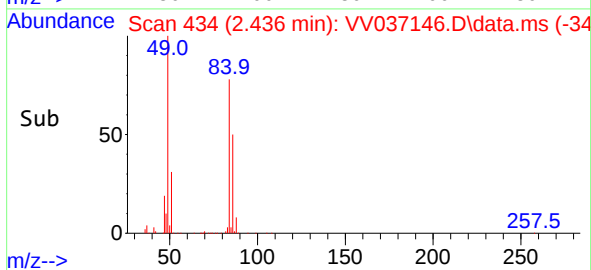
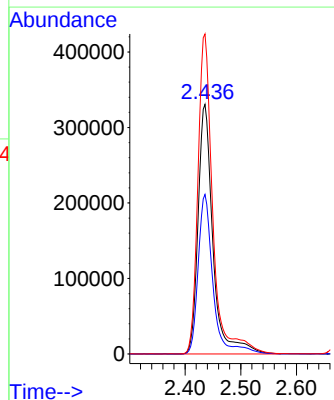
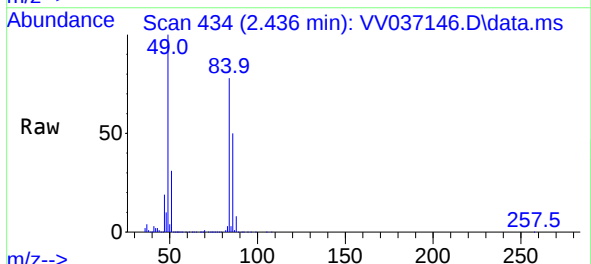
Instrument :
MSVOA_V
ClientSampleId :

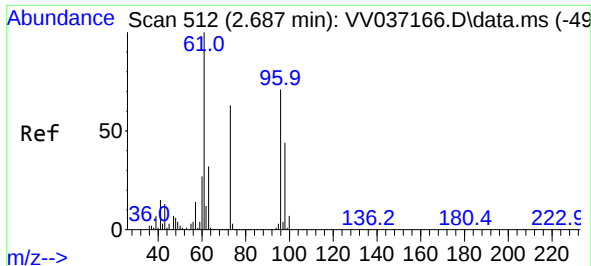
Tgt Ion: 43 Resp: 55666
Ion Ratio Lower Upper
43 100
74 27.1 18.4 27.6



#16
Methylene chloride
Concen: 119.501 ug/L
RT: 2.436 min Scan# 434
Delta R.T. -0.007 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

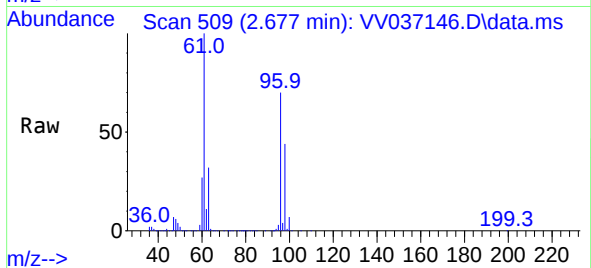
Tgt Ion: 84 Resp: 615594
Ion Ratio Lower Upper
84 100
86 63.9 44.7 82.9
49 128.2 91.4 169.8





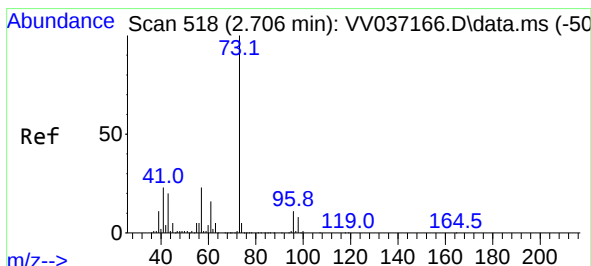
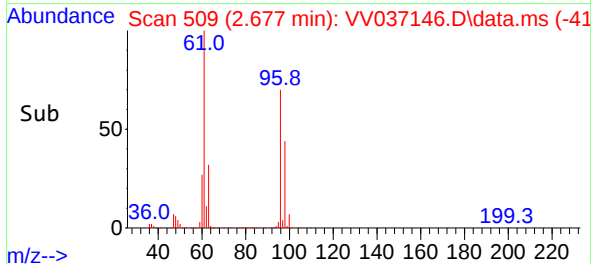
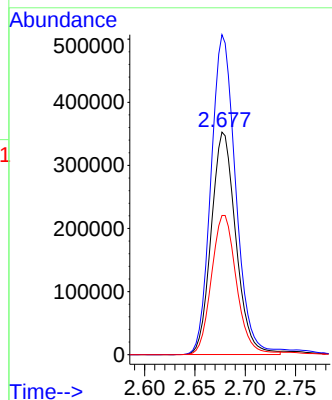
#17
trans-1,2-Dichloroethene
Concen: 126.727 ug/L
RT: 2.677 min Scan# 509
Delta R.T. -0.010 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 600661

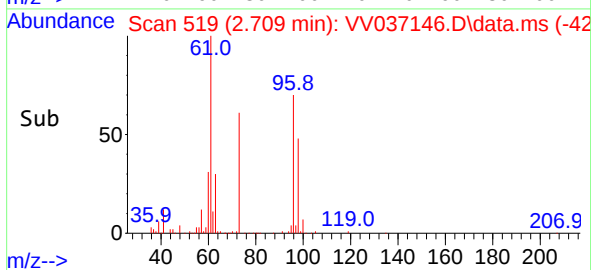
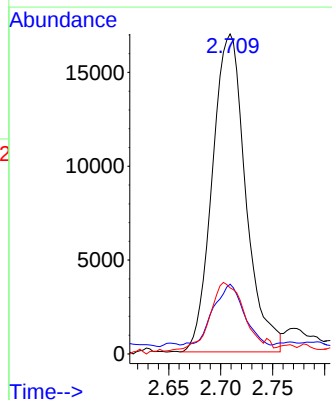
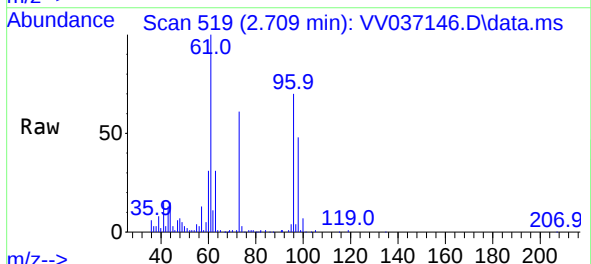
Ion	Ratio	Lower	Upper
96	100		
61	143.7	102.3	189.9
98	62.5	44.8	83.2

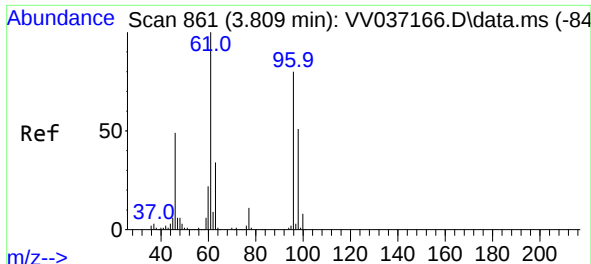


#18
Methyl tert-butyl Ether
Concen: 2.533 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

Tgt Ion: 73 Resp: 37774

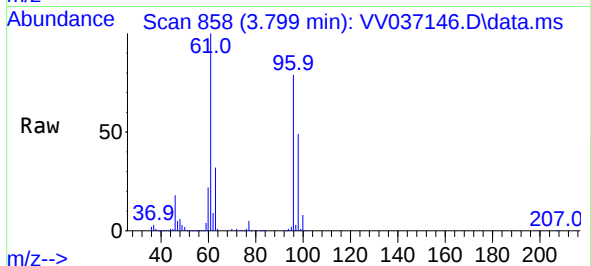
Ion	Ratio	Lower	Upper
73	100		
43	17.4	15.8	23.6
57	22.0	18.1	27.1



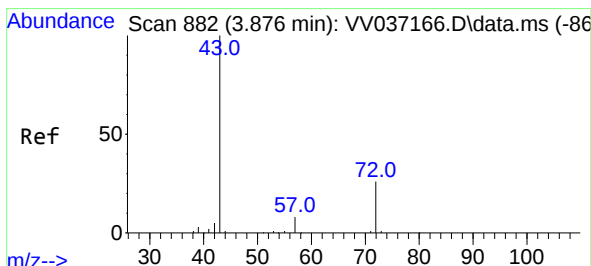
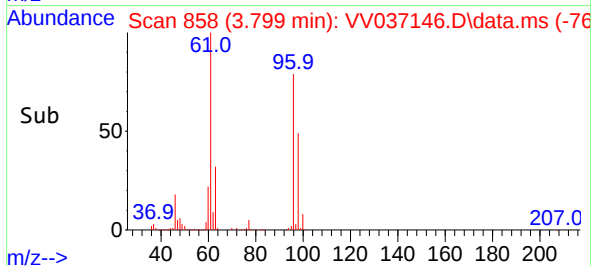
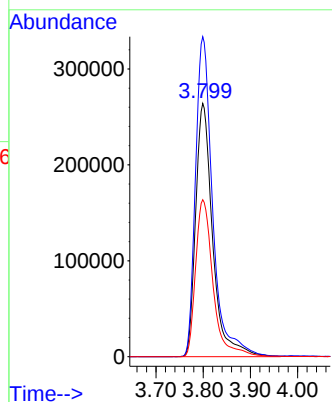


#20
cis-1,2-Dichloroethene
Concen: 126.328 ug/L
RT: 3.799 min Scan# 81
Delta R.T. -0.010 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

Instrument :
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ClientSampleId :

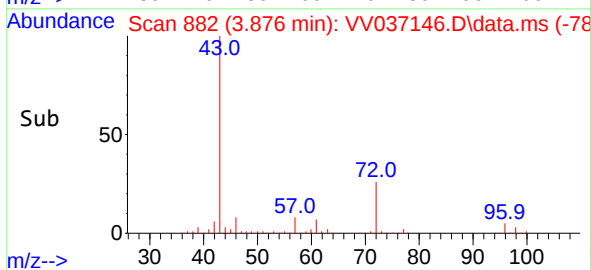
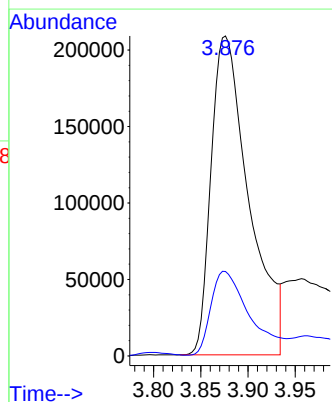
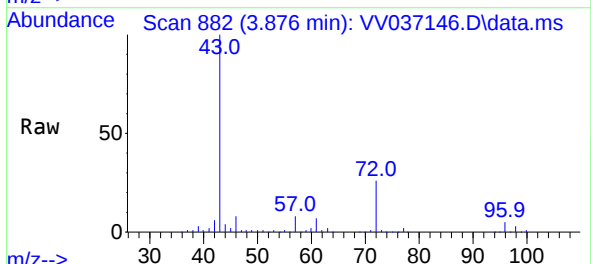


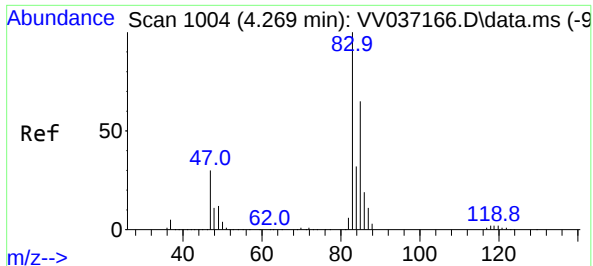
Tgt Ion: 96 Resp: 661645
Ion Ratio Lower Upper
96 100
61 126.3 89.9 166.9
98 62.0 44.8 83.2



#22
2-Butanone
Concen: 198.815 ug/L
RT: 3.876 min Scan# 882
Delta R.T. -0.000 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

Tgt Ion: 43 Resp: 581998
Ion Ratio Lower Upper
43 100
72 27.1 12.7 38.0

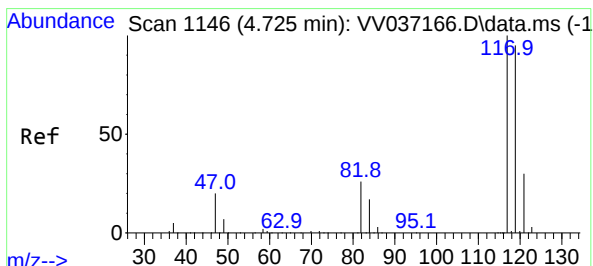
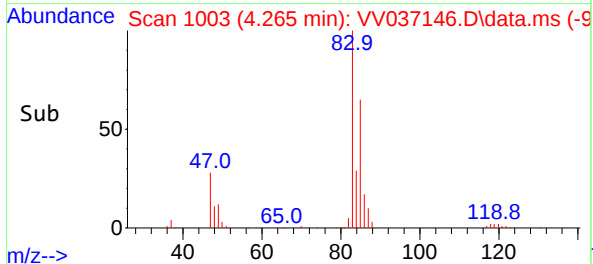
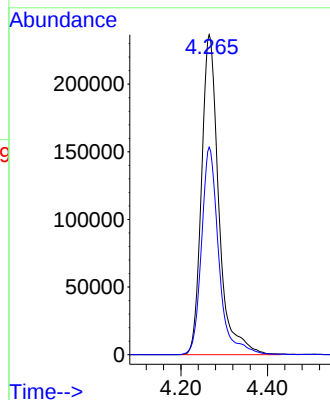
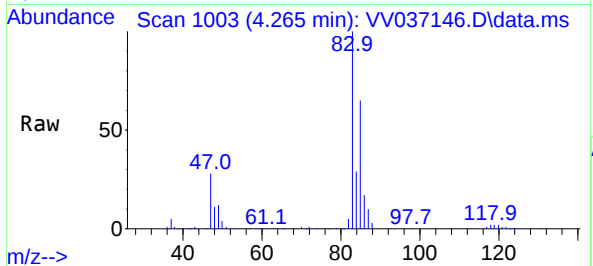




#25
Chloroform
Concen: 68.667 ug/L
RT: 4.265 min Scan# 10
Delta R.T. -0.003 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

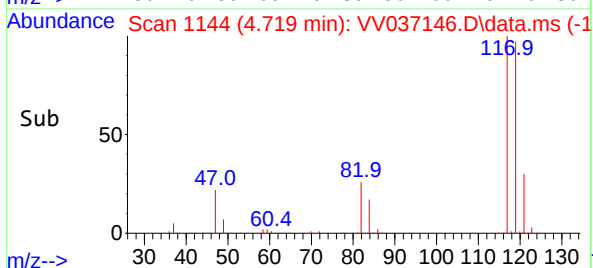
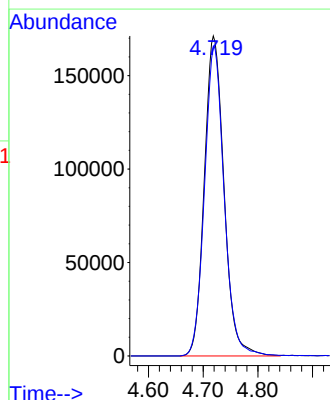
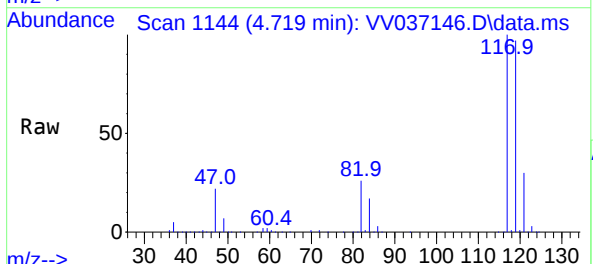
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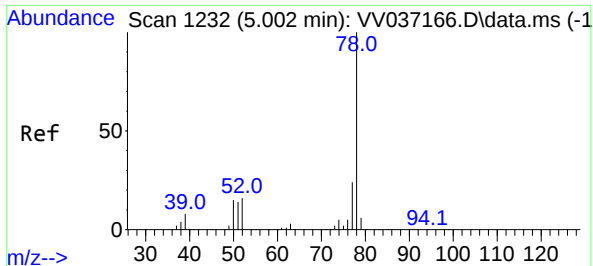
Tgt Ion: 83 Resp: 654596
Ion Ratio Lower Upper
83 100
85 64.8 45.1 83.7



#31
Carbon tetrachloride
Concen: 64.710 ug/L
RT: 4.719 min Scan# 1144
Delta R.T. -0.007 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

Tgt Ion: 117 Resp: 427638
Ion Ratio Lower Upper
117 100
119 96.8 75.8 113.6

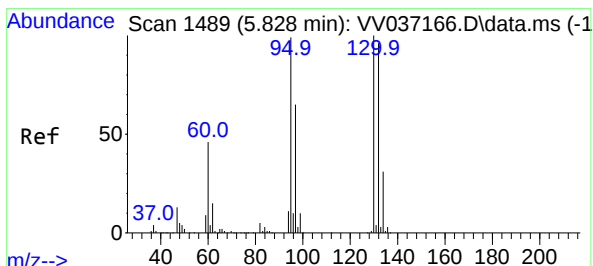
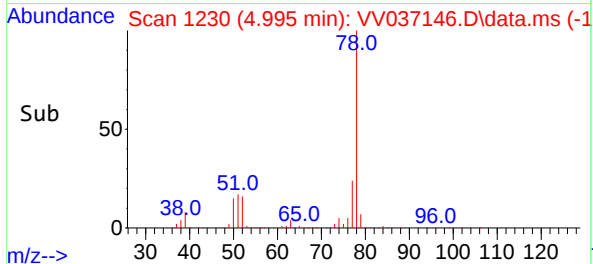
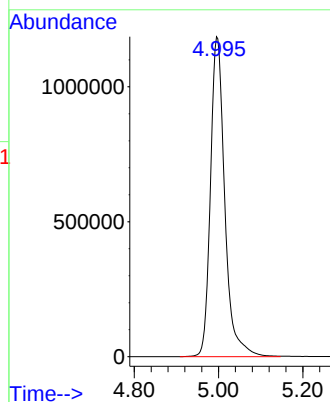
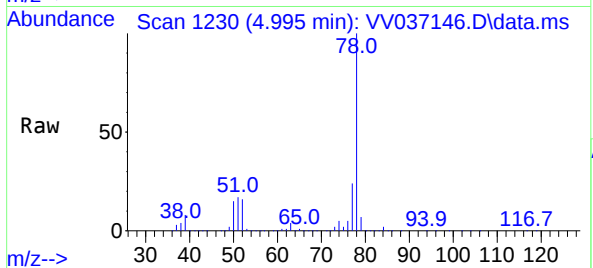




#33
Benzene
Concen: 142.387 ug/L
RT: 4.995 min Scan# 11
Delta R.T. -0.007 min
Lab File: VV037146.D
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ClientSampleId :

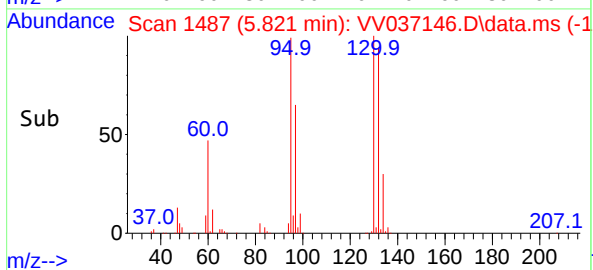
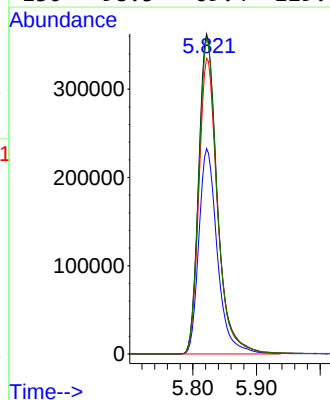
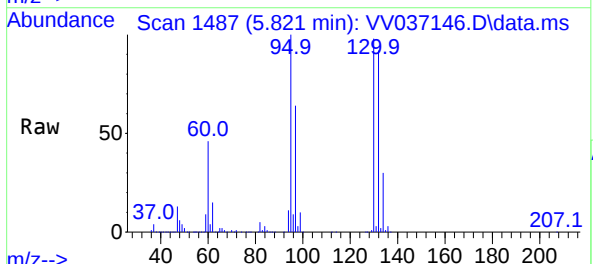
Tgt Ion: 78 Resp: 2796918

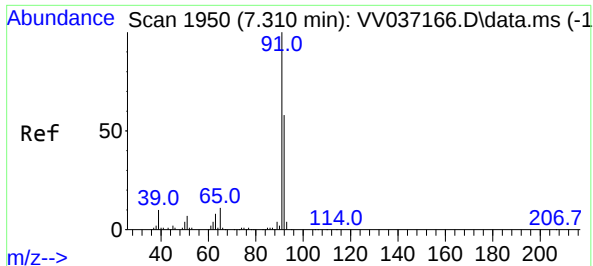


#34
Trichloroethene
Concen: 142.675 ug/L
RT: 5.821 min Scan# 1487
Delta R.T. -0.007 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

Tgt Ion: 95 Resp: 739722

Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.4	82.5
132	92.4	64.9	120.5
130	98.5	69.4	129.0





#42

Toluene

Concen: 70.698 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV037146.D

Acq: 29 Aug 2024 11:07

Instrument :

MSVOA_V

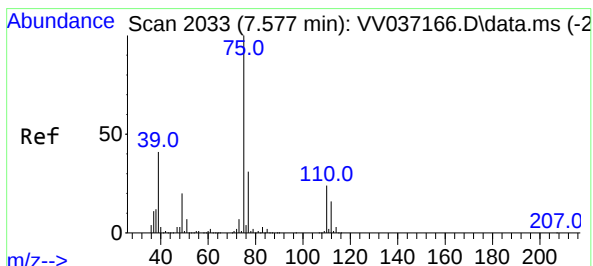
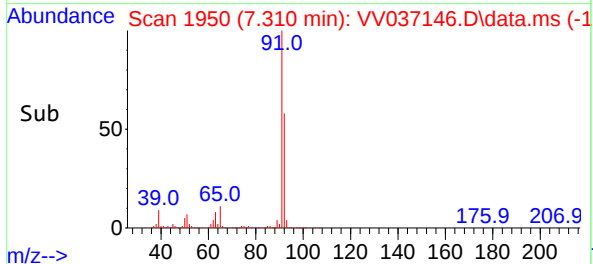
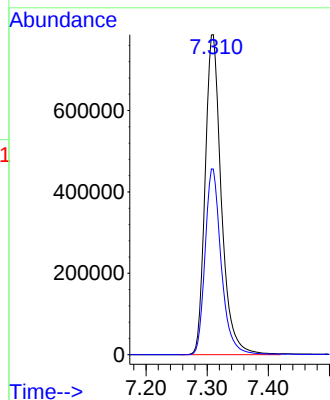
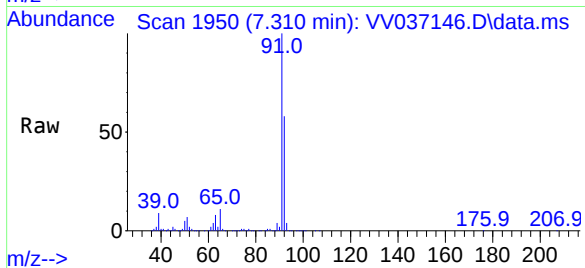
ClientSampleId :

Tgt Ion: 91 Resp: 1445917

Ion Ratio Lower Upper

91 100

92 58.0 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 50.783 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV037146.D

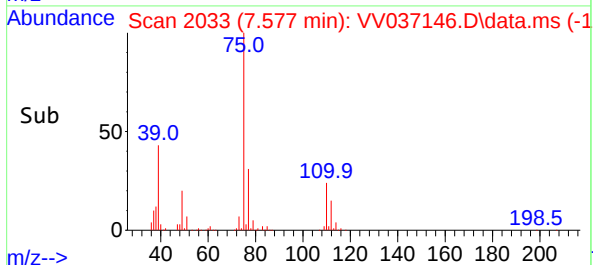
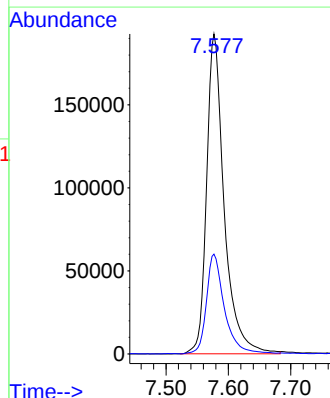
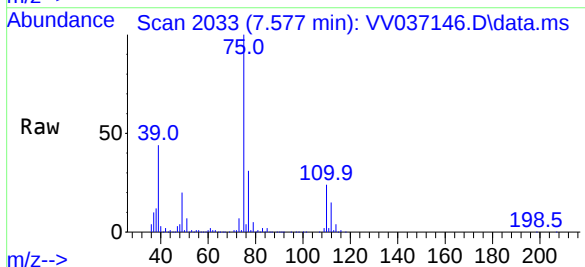
Acq: 29 Aug 2024 11:07

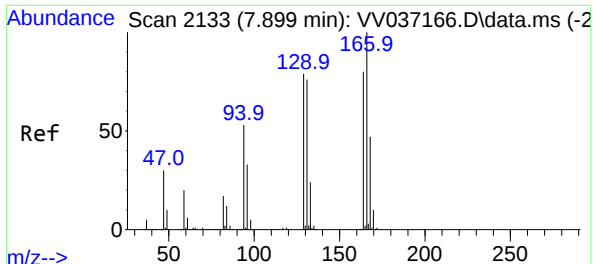
Tgt Ion: 75 Resp: 377223

Ion Ratio Lower Upper

75 100

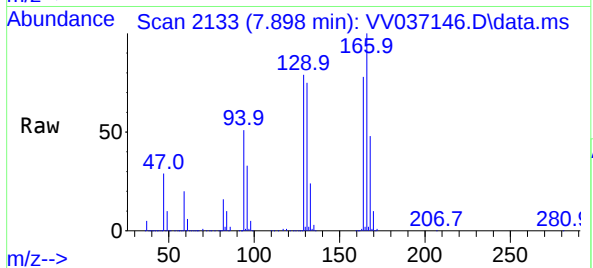
77 31.2 22.0 40.8





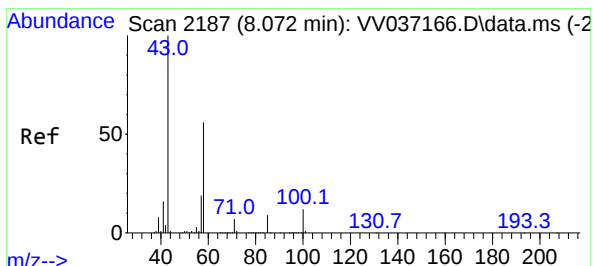
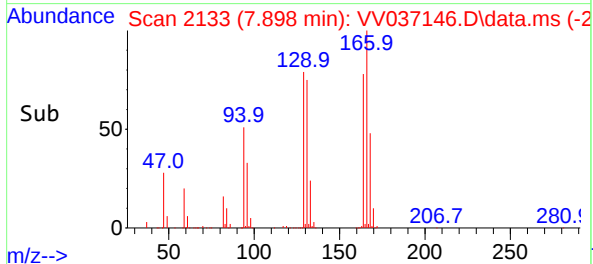
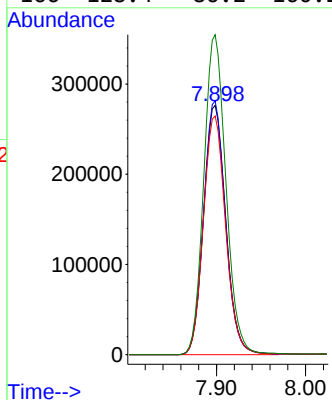
#46
Tetrachloroethene
Concen: 128.771 ug/L
RT: 7.898 min Scan# 2133
Delta R.T. -0.000 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:164 Resp: 479028

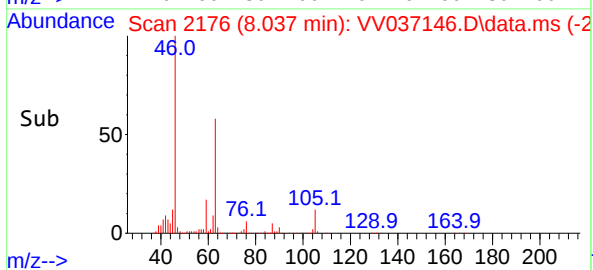
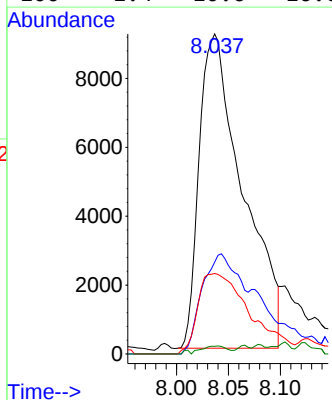
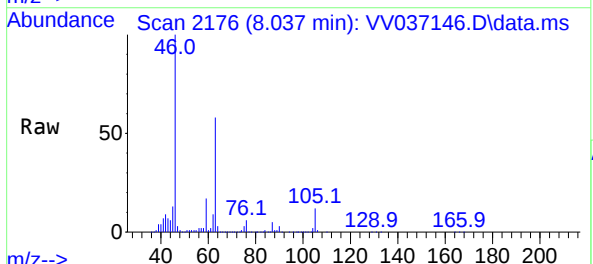
Ion	Ratio	Lower	Upper
164	100		
129	101.8	67.1	124.7
131	95.8	67.0	124.4
166	128.4	86.2	160.2

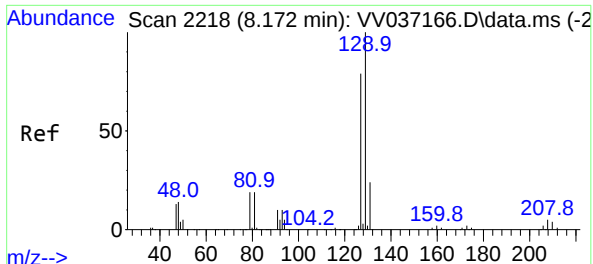


#48
2-Hexanone
Concen: 6.464 ug/L
RT: 8.037 min Scan# 2176
Delta R.T. -0.036 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

Tgt Ion: 43 Resp: 26763

Ion	Ratio	Lower	Upper
43	100		
58	27.9	46.0	69.0#
57	25.4	15.6	23.4#
100	1.4	10.6	16.0#

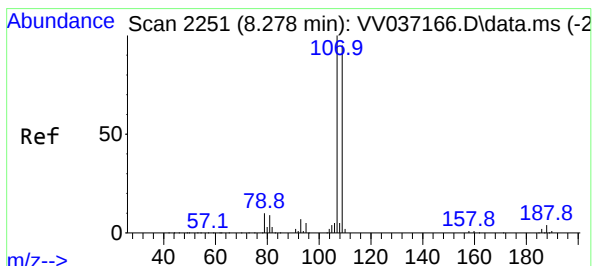
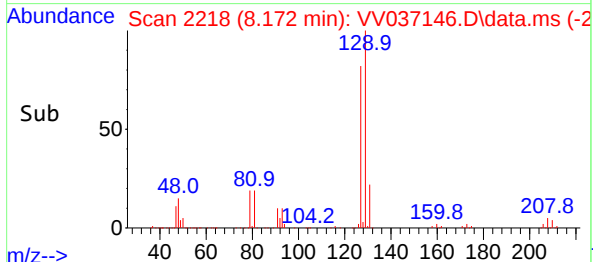
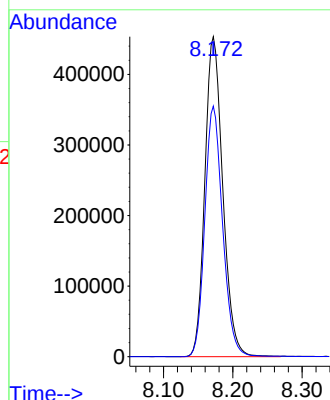
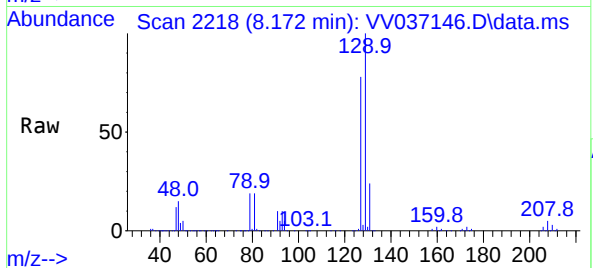




#49
Dibromochloromethane
Concen: 165.645 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. -0.000 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

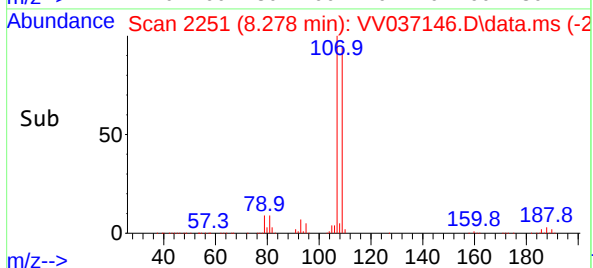
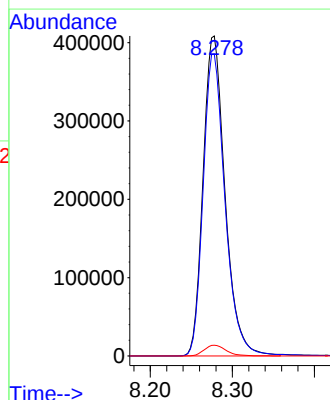
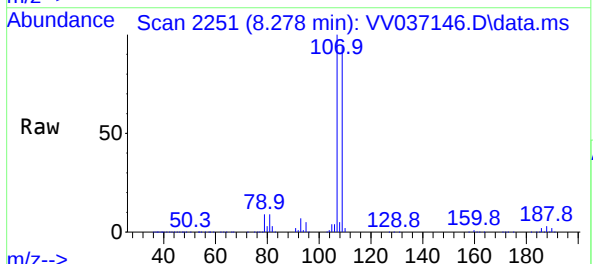
Instrument :
MSVOA_V
ClientSampleId :

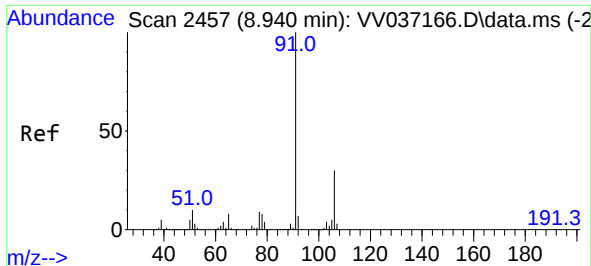
Tgt Ion:129 Resp: 813093
Ion Ratio Lower Upper
129 100
127 78.3 54.7 101.7



#50
1,2-Dibromoethane
Concen: 152.818 ug/L
RT: 8.278 min Scan# 2251
Delta R.T. -0.000 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

Tgt Ion:107 Resp: 758068
Ion Ratio Lower Upper
107 100
109 94.4 66.6 123.6
188 3.4 2.6 3.8

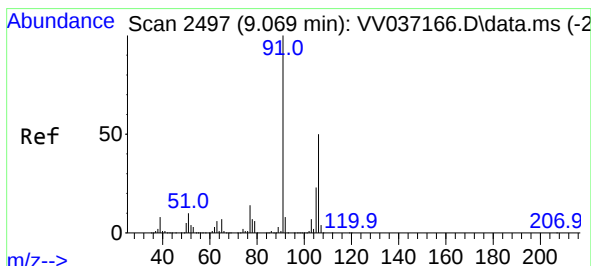
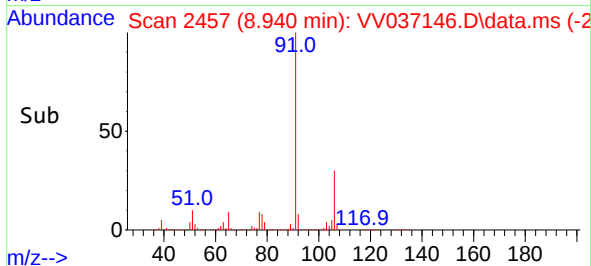
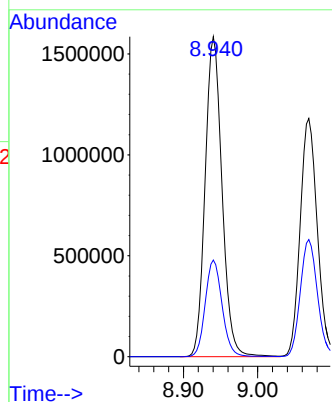
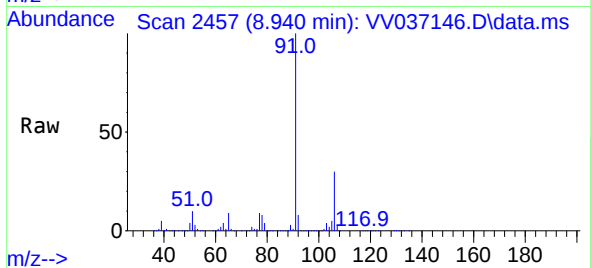




#52
Ethylbenzene
Concen: 108.021 ug/L
RT: 8.940 min Scan# 2457
Delta R.T. -0.000 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

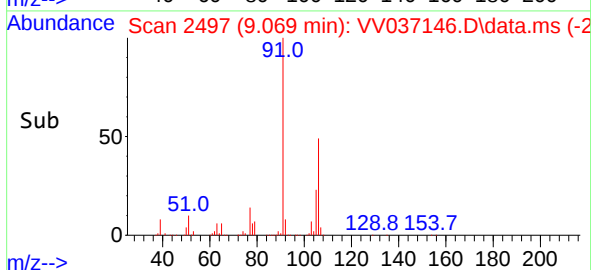
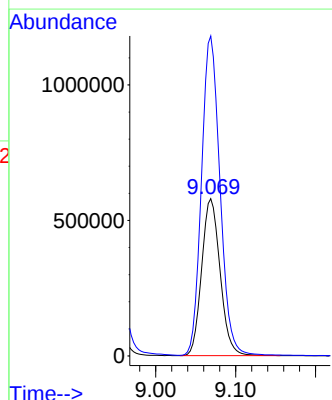
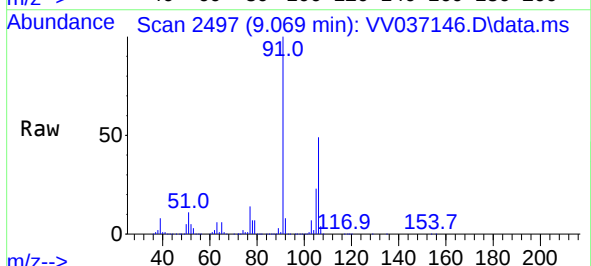
Instrument :
MSVOA_V
ClientSampleId :

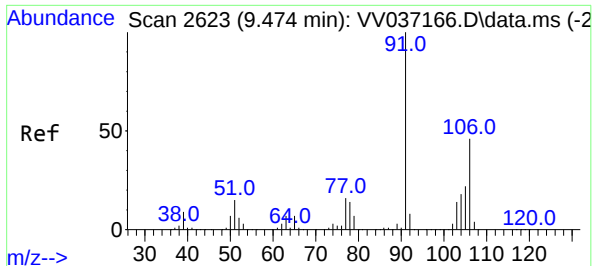
Tgt Ion: 91 Resp: 2495443
Ion Ratio Lower Upper
91 100
106 30.2 21.4 39.8



#53
m,p-Xylene
Concen: 108.622 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. -0.000 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

Tgt Ion: 106 Resp: 929732
Ion Ratio Lower Upper
106 100
91 203.4 143.0 265.6

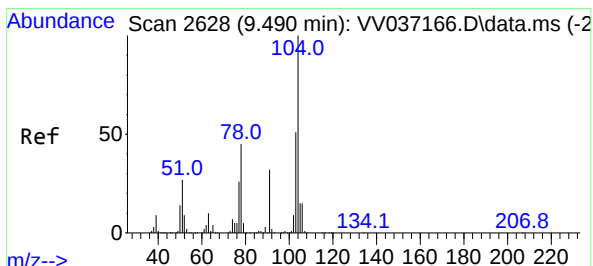
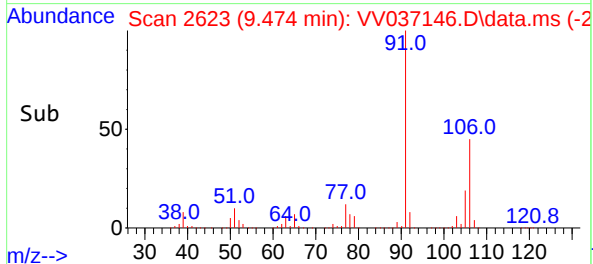
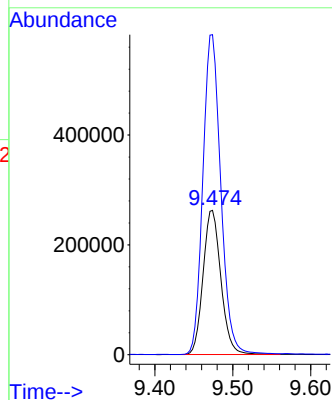
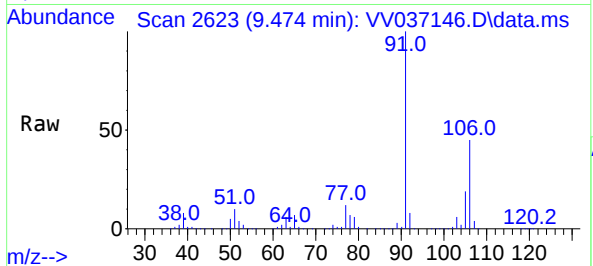




#54
o-Xylene
Concen: 49.975 ug/L
RT: 9.474 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

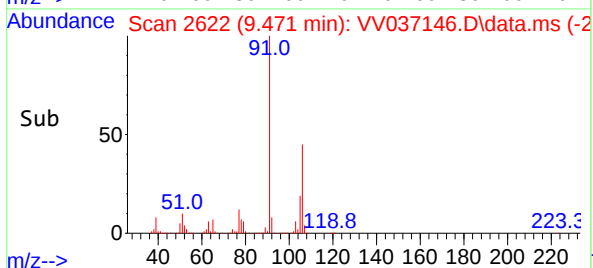
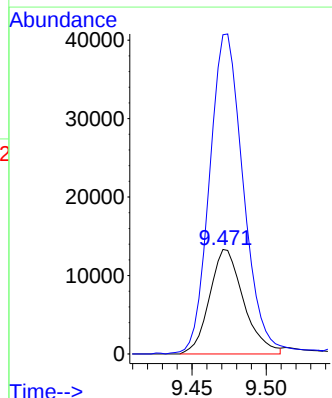
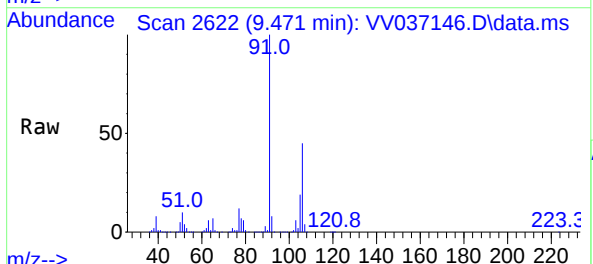
Instrument :
MSVOA_V
ClientSampleId :

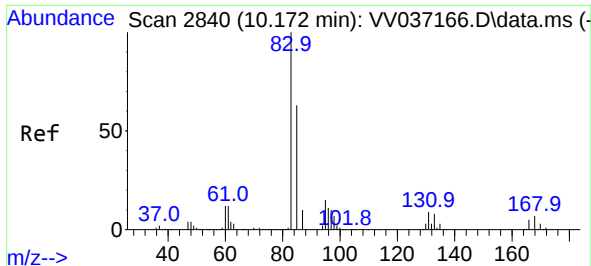
Tgt Ion:106 Resp: 418822
Ion Ratio Lower Upper
106 100
91 221.7 153.2 284.6



#55
Styrene
Concen: 1.464 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. -0.019 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

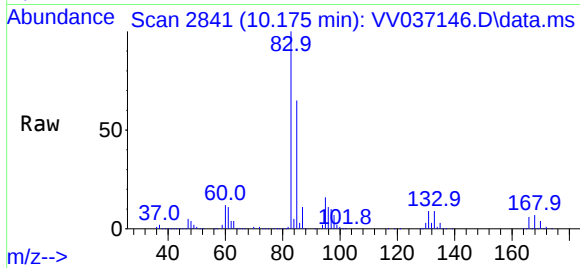
Tgt Ion:104 Resp: 21292
Ion Ratio Lower Upper
104 100
78 305.3 30.9 57.5#



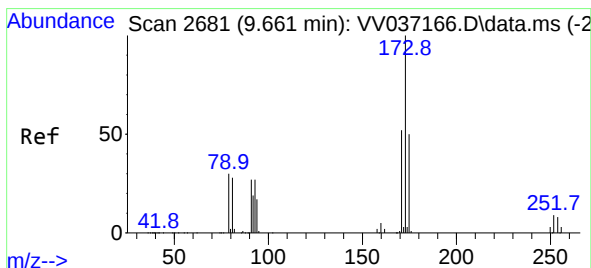
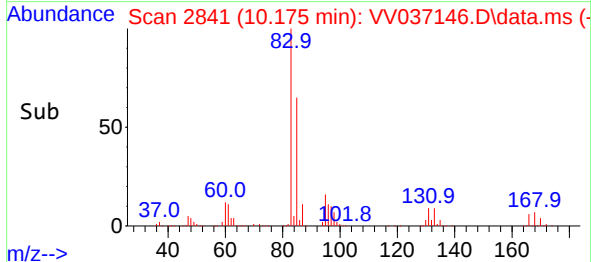
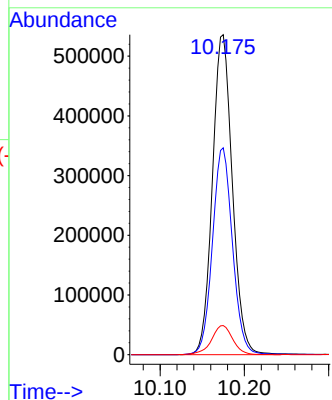


#57
1,1,2,2-Tetrachloroethane
Concen: 121.280 ug/L
RT: 10.175 min Scan# 2840
Delta R.T. 0.003 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

Instrument :
MSVOA_V
ClientSampleId :

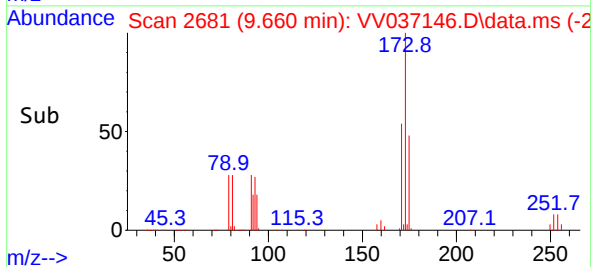
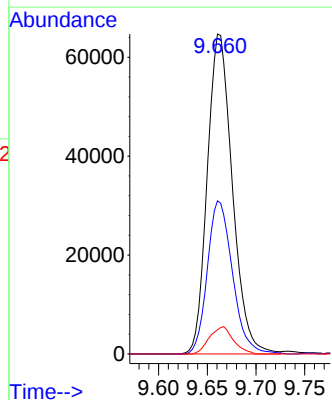
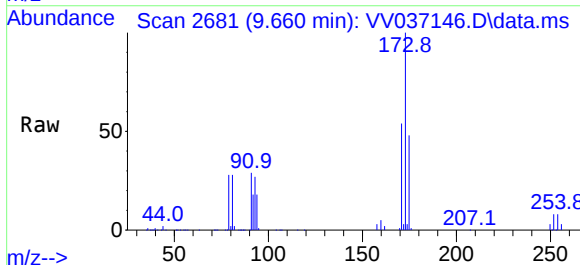


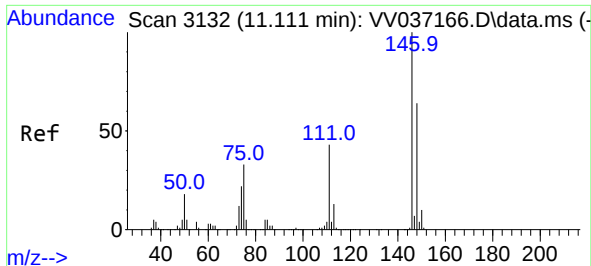
Tgt Ion: 83 Resp: 880539
Ion Ratio Lower Upper
83 100
85 64.6 45.1 83.7
131 9.1 7.4 11.0



#59
Bromoform
Concen: 35.205 ug/L
RT: 9.660 min Scan# 2681
Delta R.T. -0.000 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

Tgt Ion: 173 Resp: 115839
Ion Ratio Lower Upper
173 100
175 47.8 38.7 58.1
254 8.1 6.8 10.2

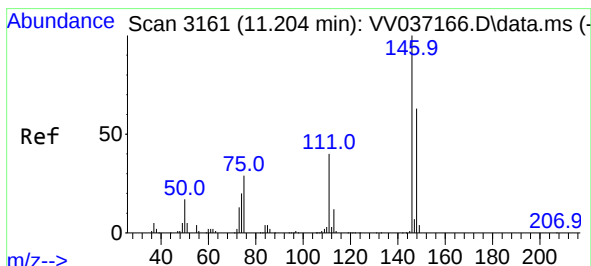
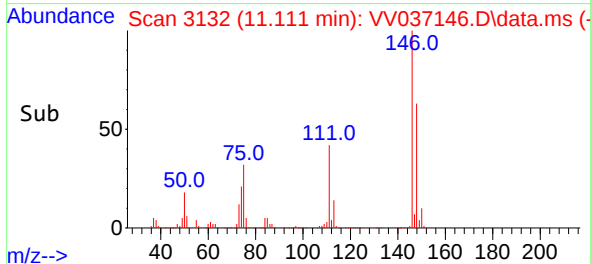
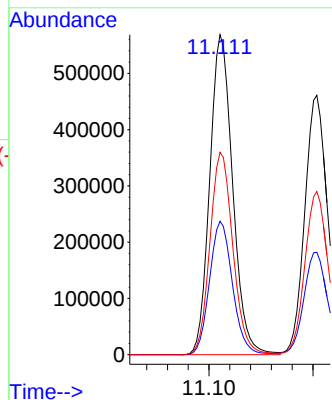
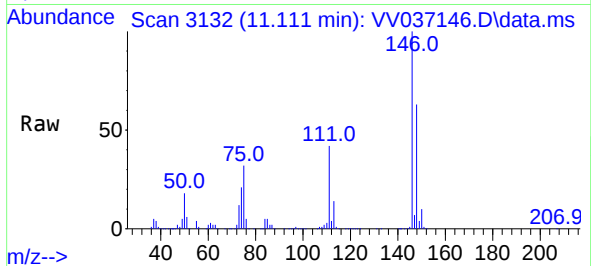




#64
1,3-Dichlorobenzene
Concen: 82.250 ug/L
RT: 11.111 min Scan# 3132
Delta R.T. -0.000 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

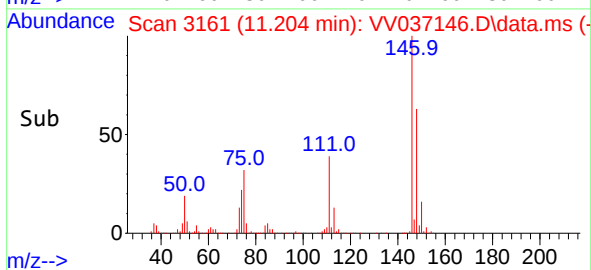
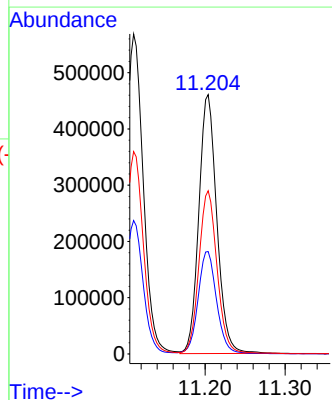
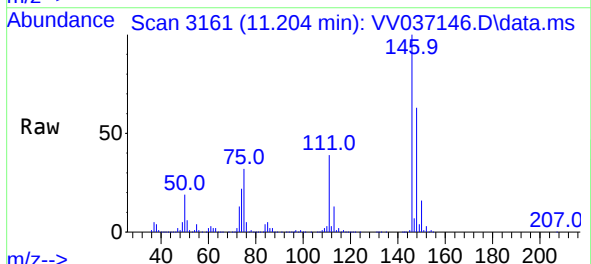
Instrument :
MSVOA_V
ClientSampleId :

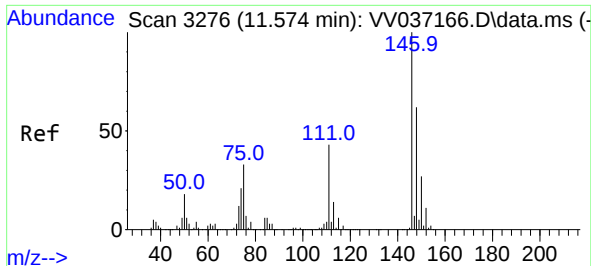
Tgt Ion:146 Resp: 870051
Ion Ratio Lower Upper
146 100
111 41.7 29.7 55.1
148 63.2 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 66.657 ug/L
RT: 11.204 min Scan# 3161
Delta R.T. -0.000 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

Tgt Ion:146 Resp: 721670
Ion Ratio Lower Upper
146 100
111 39.5 28.1 52.1
148 62.9 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 153.563 ug/L

RT: 11.574 min Scan# 31

Delta R.T. -0.000 min

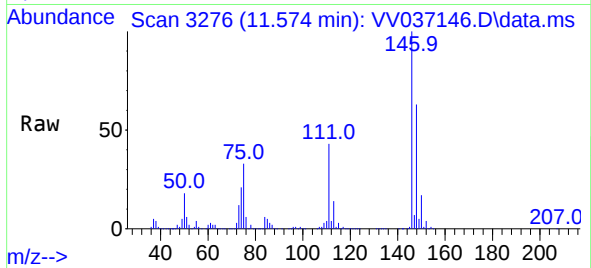
Lab File: VV037146.D

Acq: 29 Aug 2024 11:07

Instrument :

MSVOA_V

ClientSampleId :



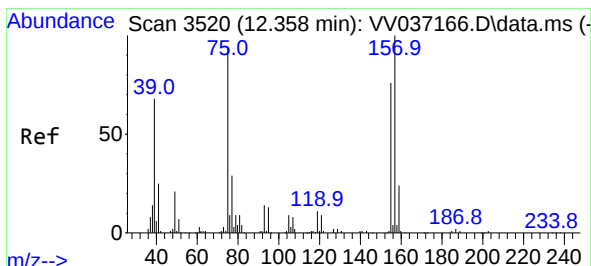
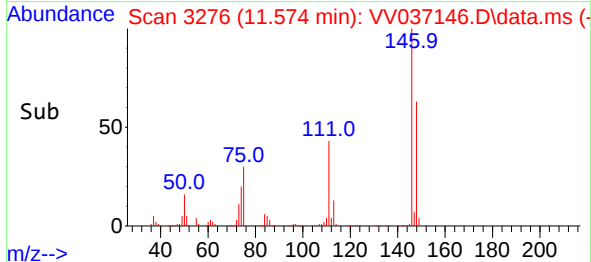
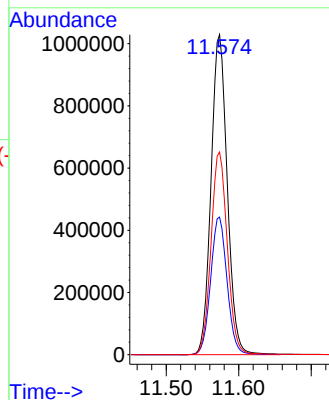
Tgt Ion:146 Resp: 1597228

Ion Ratio Lower Upper

146 100

111 43.0 34.6 51.8

148 63.3 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 1.476 ug/L

RT: 12.570 min Scan# 3586

Delta R.T. 0.212 min

Lab File: VV037146.D

Acq: 29 Aug 2024 11:07

Tgt Ion: 75 Resp: 2024

Ion Ratio Lower Upper

75 100

155 0.0 61.8 92.6#

157 0.0 82.5 123.7#

