

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012125\
 Data File : VX044680.D
 Acq On : 21 Jan 2025 12:46
 Operator :
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 22 01:37:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 22 01:17:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.751	114	298501	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	258391	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	106651	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	126406	49.068	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.140%
7) Chloroethane-d5	1.648	69	29849	44.975	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.960%
11) 1,1-Dichloroethene-d2	2.294	65	52932	54.423	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.840%
21) 2-Butanone-d5	4.452	46	132352	102.488	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.490%
24) Chloroform-d	5.050	84	215946	50.717	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.440%
26) 1,2-Dichloroethane-d4	5.946	65	139613	49.715	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.420%
32) Benzene-d6	5.964	84	449805	52.161	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.320%
36) 1,2-Dichloropropane-d6	7.299	67	143559	52.670	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.340%
41) Toluene-d8	8.647	98	398120	51.643	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.280%
43) trans-1,3-Dichloroprop...	8.945	79	71750	51.363	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.720%
47) 2-Hexanone-d5	9.384	63	85498	109.184	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.180%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	178389	54.294	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.580%
66) 1,2-Dichlorobenzene-d4	12.317	152	123306	53.801	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.600%
Target Compounds						
					Qvalue	
6) Bromomethane	1.593	94	737	1.480	ug/L	94
12) 1,1-Dichloroethene	2.300	96	2949	1.975	ug/L #	1
13) Acetone	2.380	43	2194	2.836	ug/L	99
14) Carbon disulfide	2.501	76	13421	2.863	ug/L	99
15) Methyl Acetate	2.703	43	1979	1.067	ug/L	93
17) trans-1,2-Dichloroethene	3.087	96	2707	1.618	ug/L	92
44) trans-1,3-Dichloropropene	8.976	75	3072	1.007	ug/L	98
48) 2-Hexanone	9.433	43	4693	2.711	ug/L #	90
50) 1,2-Dibromoethane	9.610	107	2089	1.074	ug/L #	93
53) m,p-Xylene	10.299	106	3541	1.168	ug/L	87
54) o-Xylene	10.640	106	3387	1.125	ug/L	86
55) Styrene	10.659	104	5822	1.194	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.207	83	3382	1.220	ug/L #	88
61) 1,2,3-Trichloropropane	11.238	75	2147	1.026	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	7495	1.191	ug/L	94
63) 1,2,4-Trimethylbenzene	11.750	105	7946	1.298	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	4939	1.623	ug/L	93
69) 1,3,5-Trichlorobenzene	13.109	180	3717	1.875	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	4377	2.452	ug/L	92

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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 22 01:37:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012125WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jan 22 01:17:07 2025
Response via : Initial Calibration

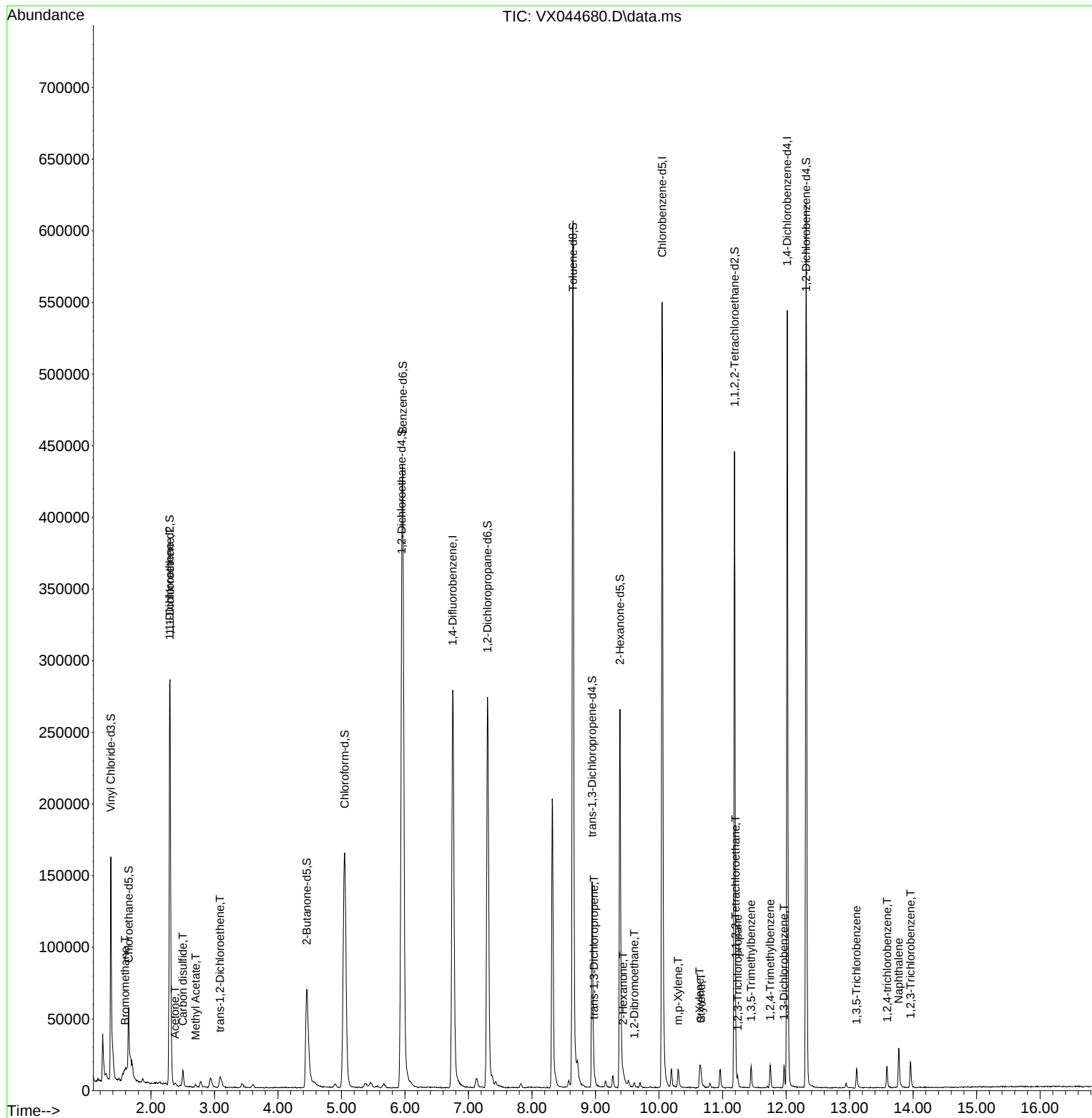
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.774	128	20942	3.062	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	4714	2.571	ug/L	98

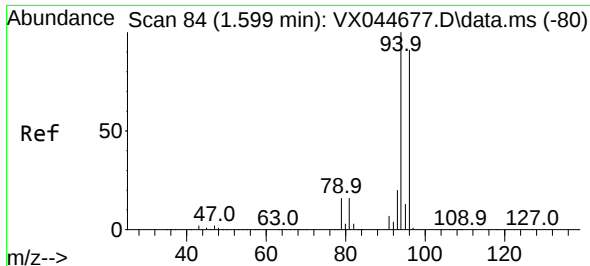
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 22 01:17:07 2025
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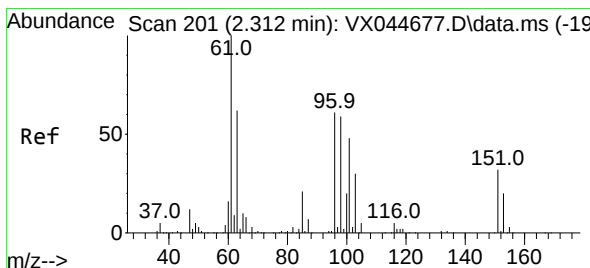
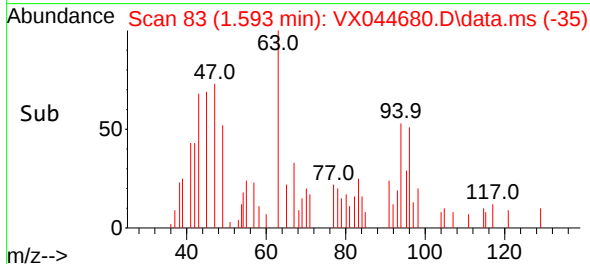
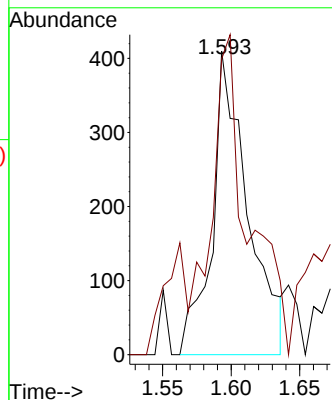
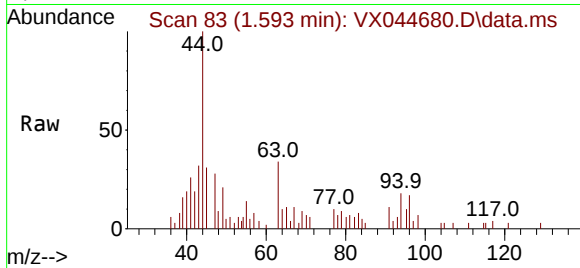




#6
 Bromomethane
 Concen: 1.480 ug/L
 RT: 1.593 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: VX044680.D
 Acq: 21 Jan 2025 12:46

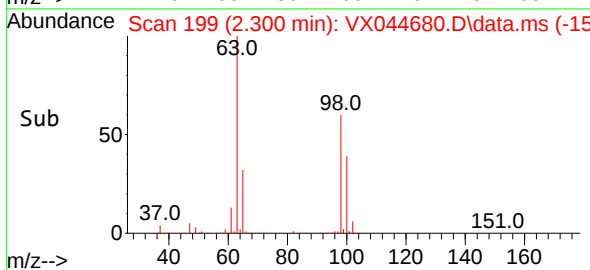
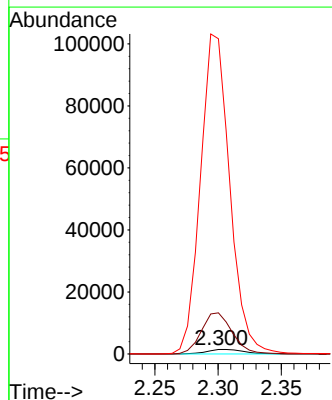
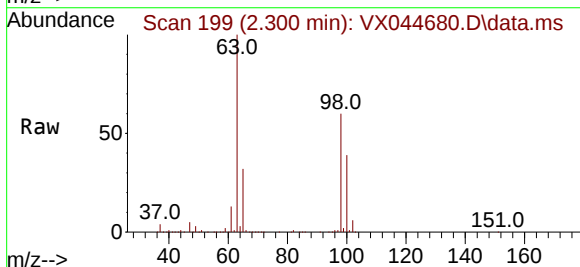
Instrument :
 MSVOA_X
 ClientSampleId :

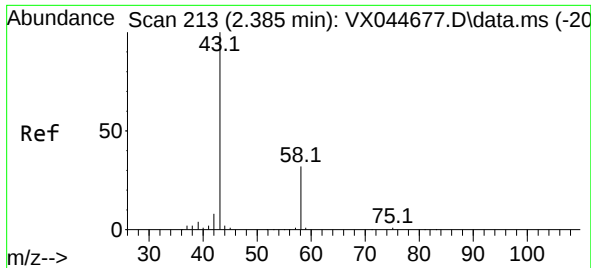
Tgt Ion: 94 Resp: 737
 Ion Ratio Lower Upper
 94 100
 96 97.3 64.3 119.3



#12
 1,1-Dichloroethene
 Concen: 1.975 ug/L
 RT: 2.300 min Scan# 199
 Delta R.T. -0.012 min
 Lab File: VX044680.D
 Acq: 21 Jan 2025 12:46

Tgt Ion: 96 Resp: 2949
 Ion Ratio Lower Upper
 96 100
 61 902.7 115.1 213.8#
 63 6931.7 74.1 137.5#





#13

Acetone

Concen: 2.836 ug/L

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX044680.D

Acq: 21 Jan 2025 12:46

Instrument :

MSVOA_X

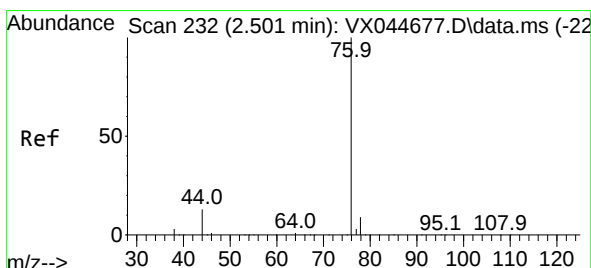
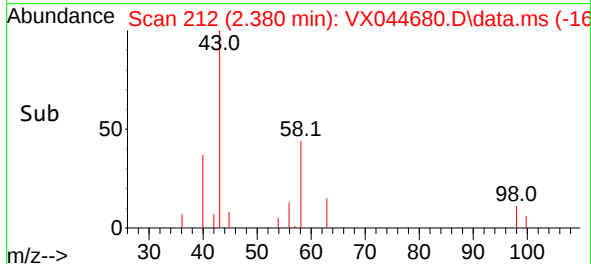
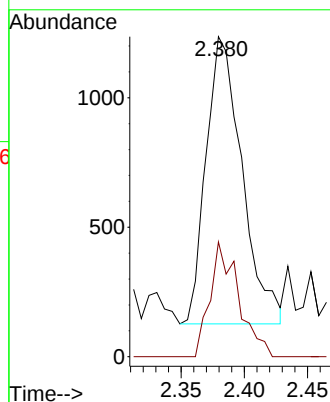
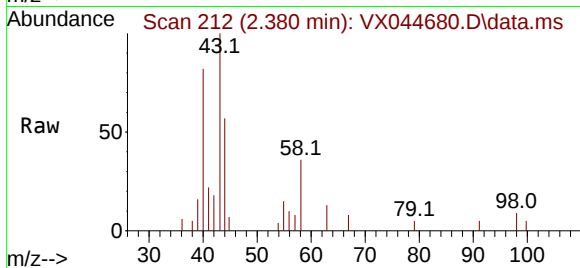
ClientSampleId :

Tgt Ion: 43 Resp: 2194

Ion Ratio Lower Upper

43 100

58 31.7 0.0 64.6



#14

Carbon disulfide

Concen: 2.863 ug/L

RT: 2.501 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX044680.D

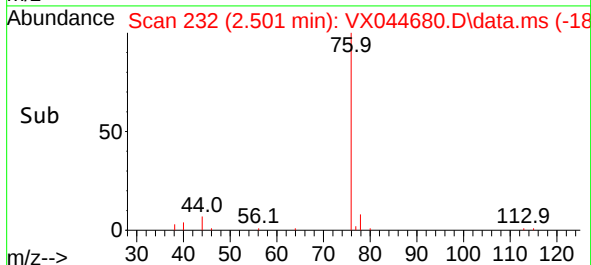
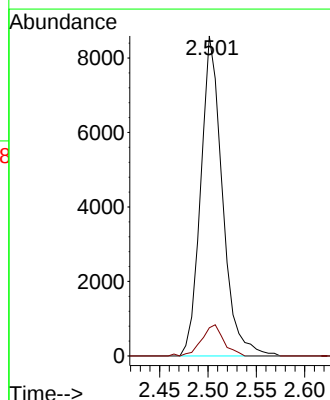
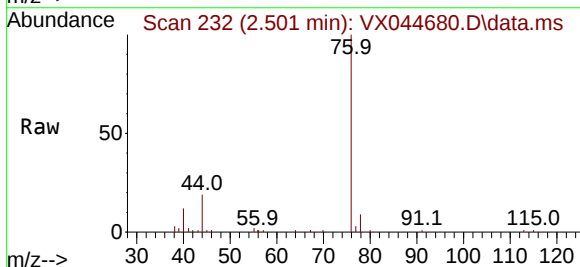
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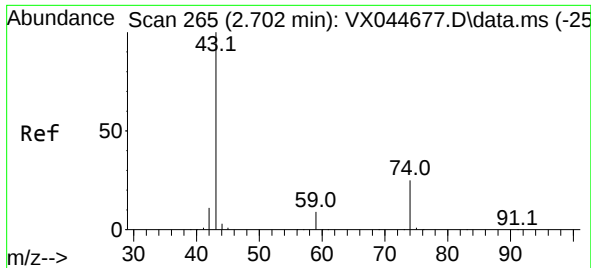
Tgt Ion: 76 Resp: 13421

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

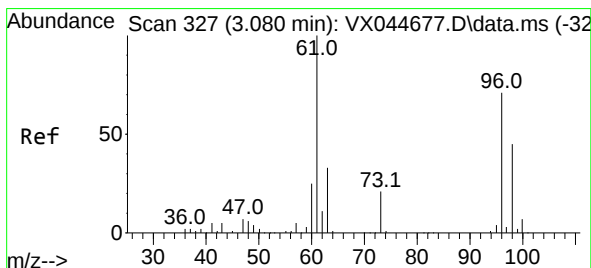
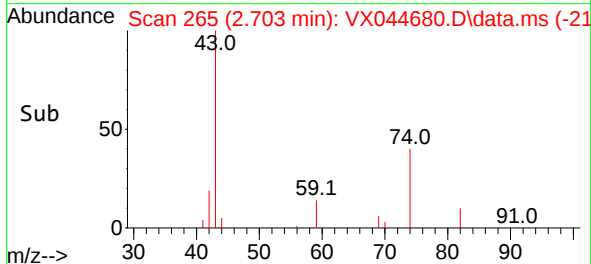
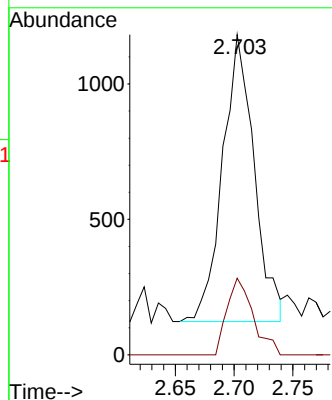
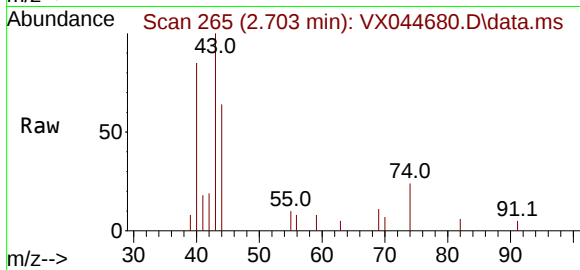




#15
Methyl Acetate
Concen: 1.067 ug/L
RT: 2.703 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044680.D
Acq: 21 Jan 2025 12:46

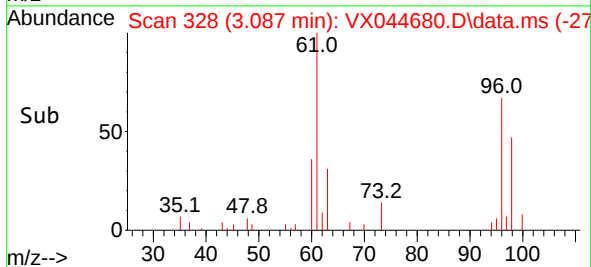
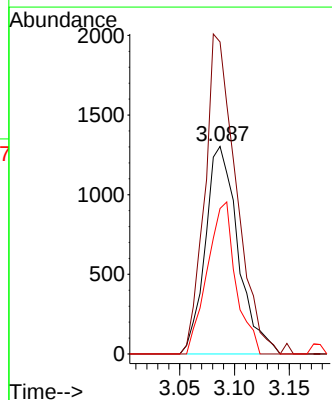
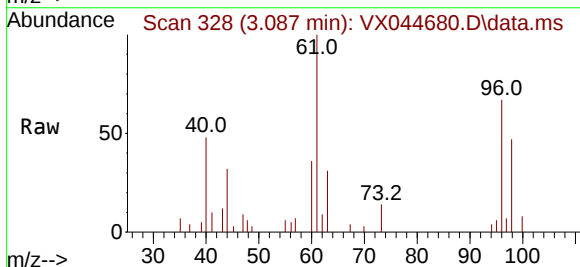
Instrument :
MSVOA_X
ClientSampleId :

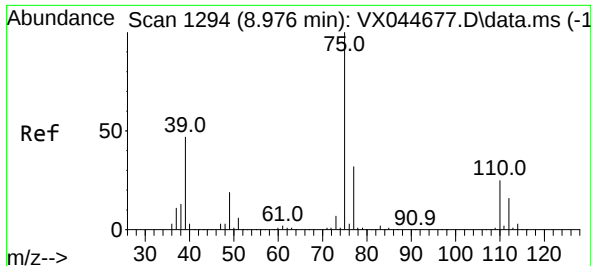
Tgt Ion: 43 Resp: 1979
Ion Ratio Lower Upper
43 100
74 21.1 19.7 29.5



#17
trans-1,2-Dichloroethene
Concen: 1.618 ug/L
RT: 3.087 min Scan# 328
Delta R.T. 0.006 min
Lab File: VX044680.D
Acq: 21 Jan 2025 12:46

Tgt Ion: 96 Resp: 2707
Ion Ratio Lower Upper
96 100
61 150.3 98.3 182.7
98 70.1 44.1 81.9

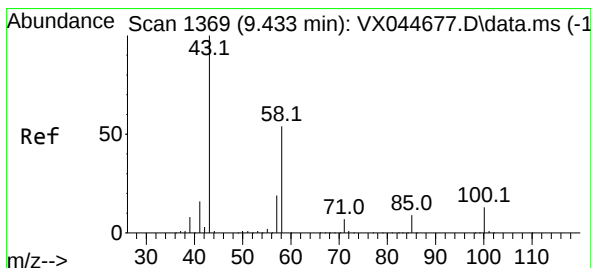
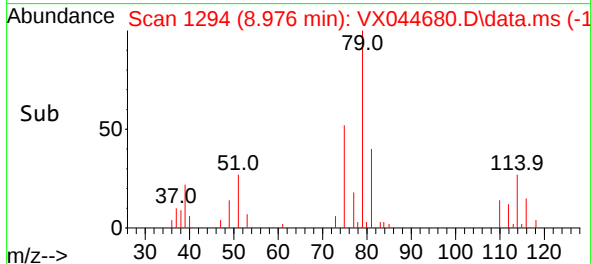
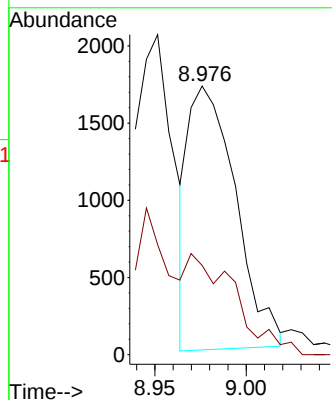
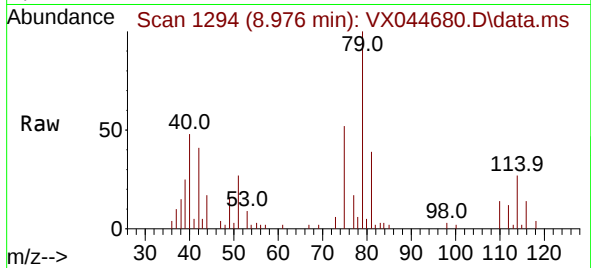




#44
trans-1,3-Dichloropropene
Concen: 1.007 ug/L
RT: 8.976 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VX044680.D
Acq: 21 Jan 2025 12:46

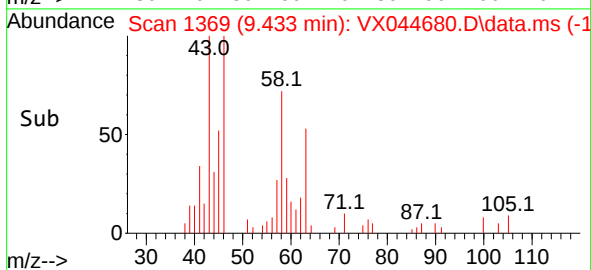
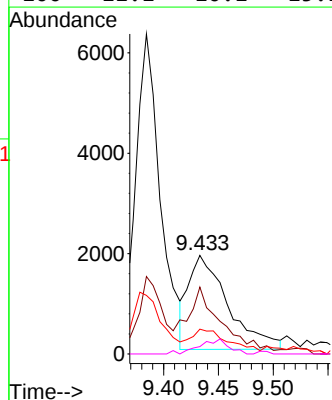
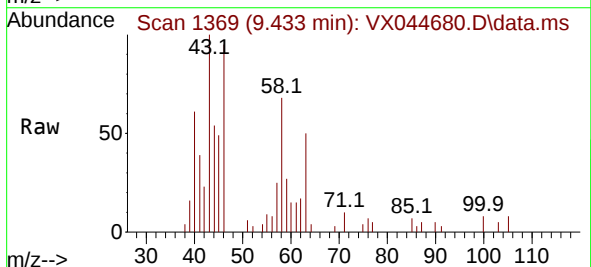
Instrument :
MSVOA_X
ClientSampleId :

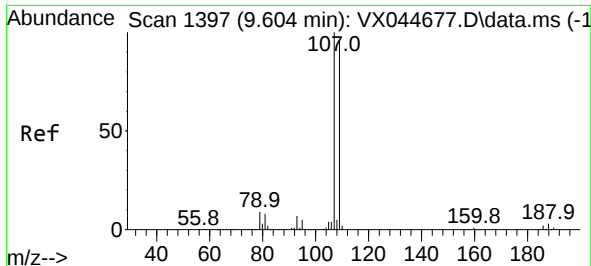
Tgt Ion: 75 Resp: 3072
Ion Ratio Lower Upper
75 100
77 33.3 22.4 41.6



#48
2-Hexanone
Concen: 2.711 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX044680.D
Acq: 21 Jan 2025 12:46

Tgt Ion: 43 Resp: 4693
Ion Ratio Lower Upper
43 100
58 62.6 44.3 66.5
57 26.3 15.9 23.9#
100 11.1 10.1 15.1





#50

1,2-Dibromoethane

Concen: 1.074 ug/L

RT: 9.610 min Scan# 11

Delta R.T. 0.006 min

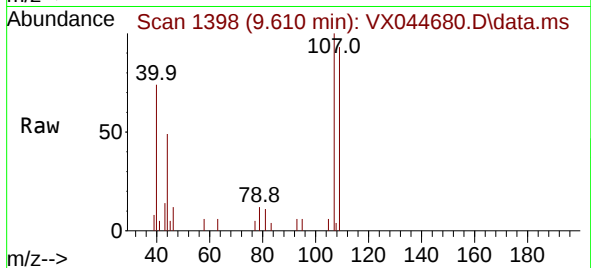
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Acq: 21 Jan 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :



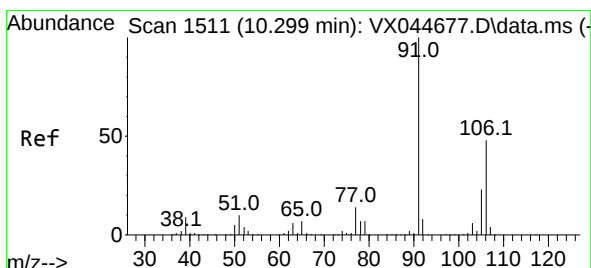
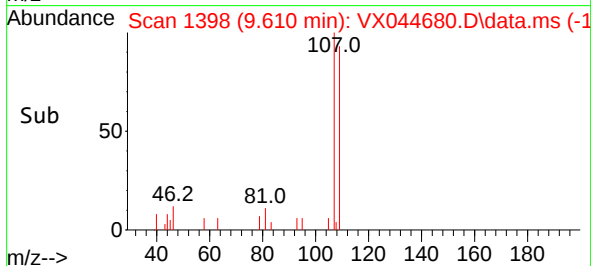
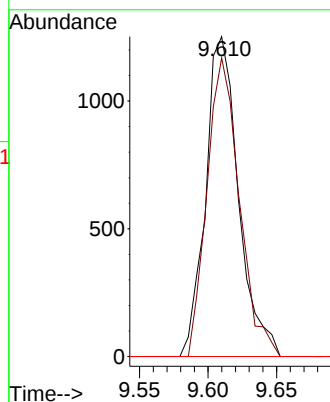
Tgt Ion:107 Resp: 2089

Ion Ratio Lower Upper

107 100

109 89.4 67.2 124.8

188 0.0 2.2 3.4#



#53

m,p-Xylene

Concen: 1.168 ug/L

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044680.D

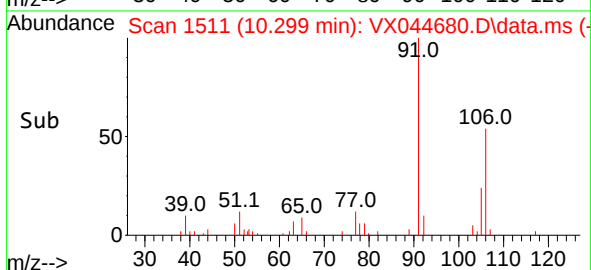
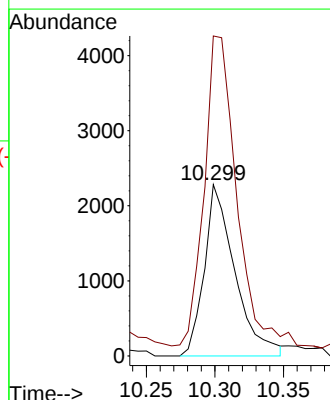
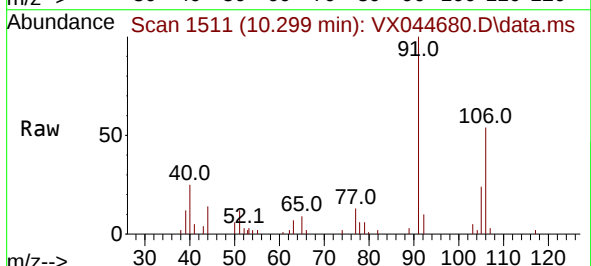
Acq: 21 Jan 2025 12:46

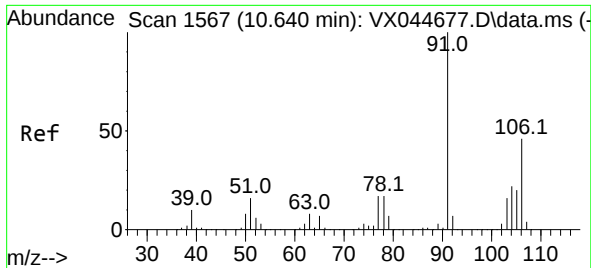
Tgt Ion:106 Resp: 3541

Ion Ratio Lower Upper

106 100

91 186.7 145.2 269.6

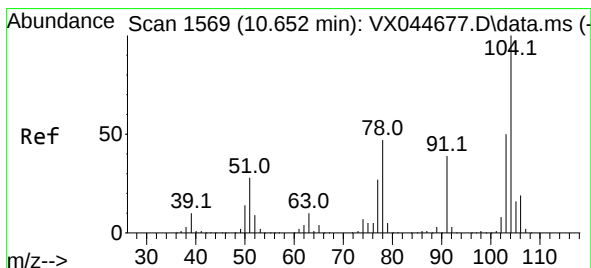
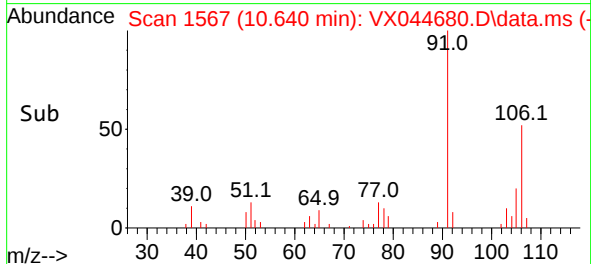
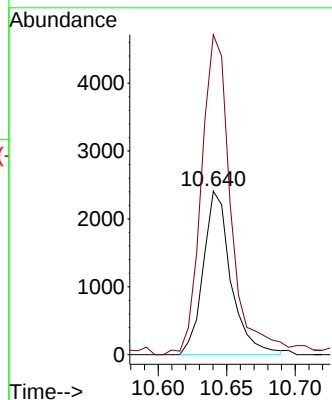
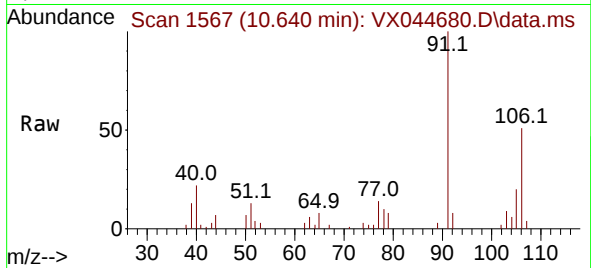




#54
o-Xylene
Concen: 1.125 ug/L
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044680.D
Acq: 21 Jan 2025 12:46

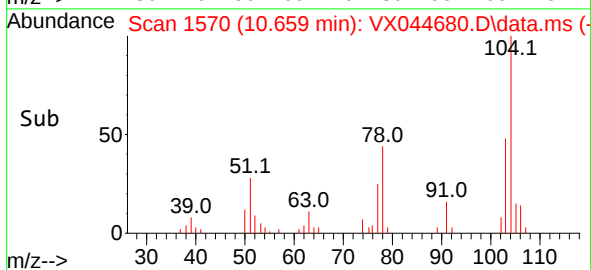
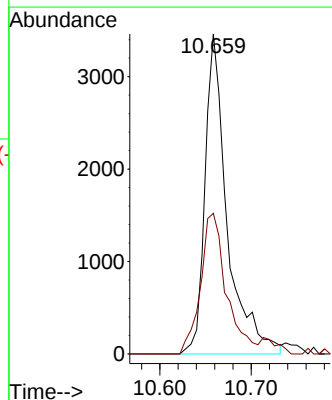
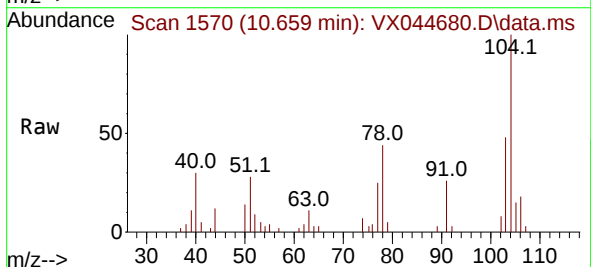
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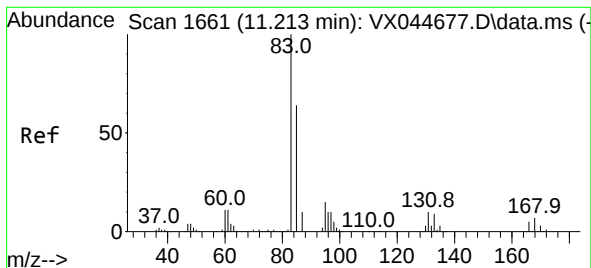
Tgt Ion:106 Resp: 3387
Ion Ratio Lower Upper
106 100
91 195.7 153.2 284.4



#55
Styrene
Concen: 1.194 ug/L
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX044680.D
Acq: 21 Jan 2025 12:46

Tgt Ion:104 Resp: 5822
Ion Ratio Lower Upper
104 100
78 44.0 32.7 60.7





#57

1,1,2,2-Tetrachloroethane

Concen: 1.220 ug/L

RT: 11.207 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX044680.D

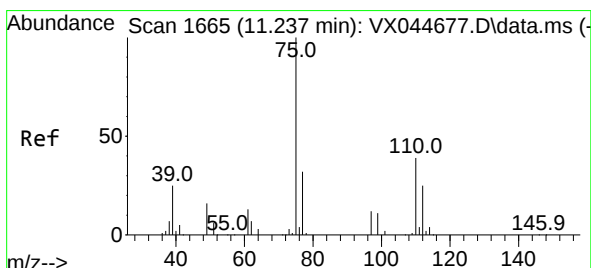
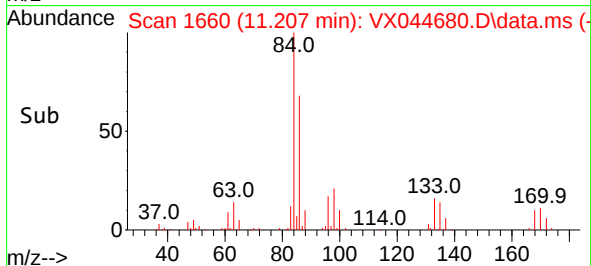
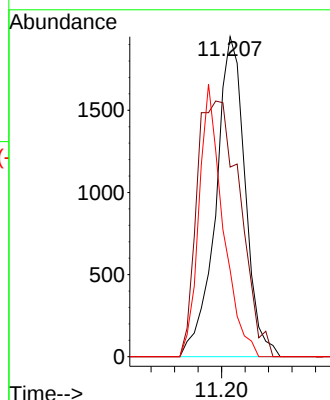
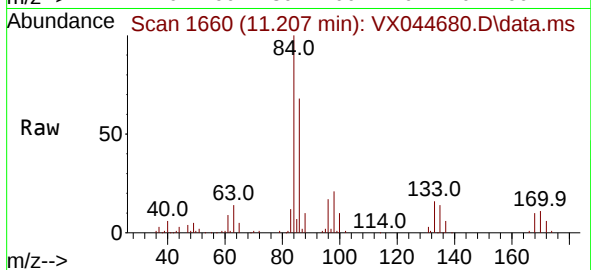
Acq: 21 Jan 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 83	Resp: 3382
Ion Ratio	Lower Upper
83	100
85	59.2 44.9 83.5
131	27.1 8.0 12.0#



#61

1,2,3-Trichloropropane

Concen: 1.026 ug/L

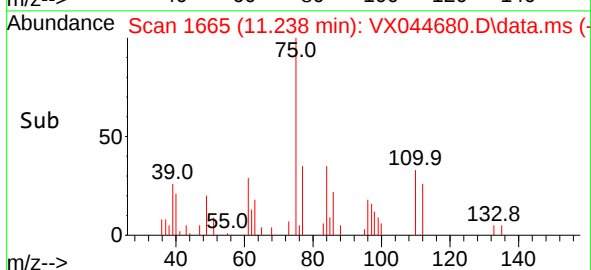
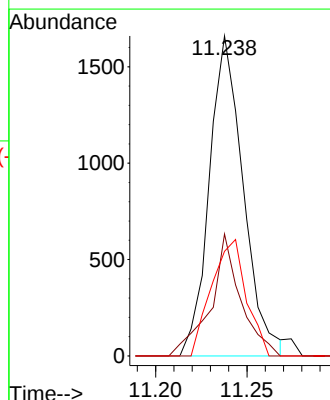
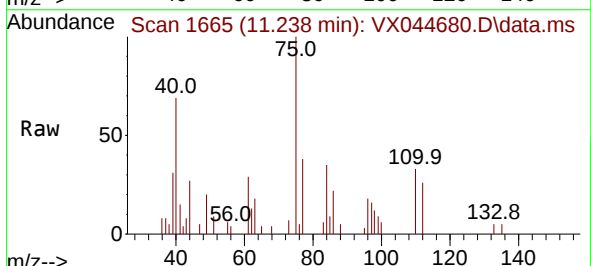
RT: 11.238 min Scan# 1665

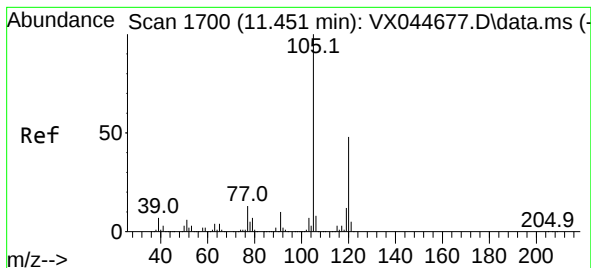
Delta R.T. 0.000 min

Lab File: VX044680.D

Acq: 21 Jan 2025 12:46

Tgt Ion: 75	Resp: 2147
Ion Ratio	Lower Upper
75	100
77	33.9 25.8 38.6
110	37.3 30.8 46.2

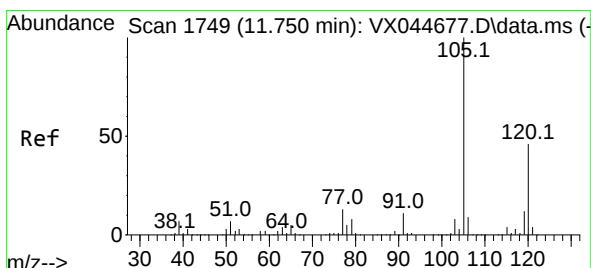
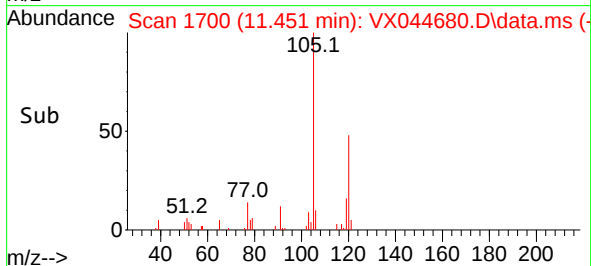
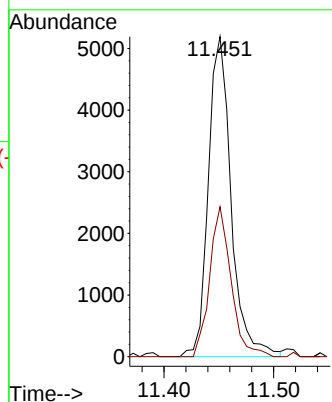
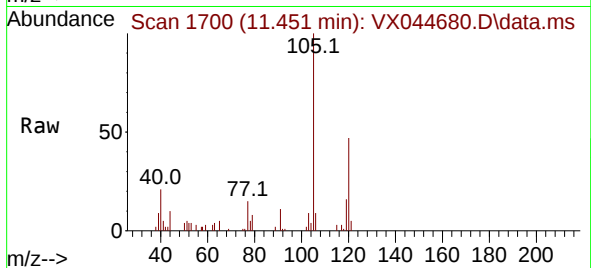




#62
 1,3,5-Trimethylbenzene
 Concen: 1.191 ug/L
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX044680.D
 Acq: 21 Jan 2025 12:46

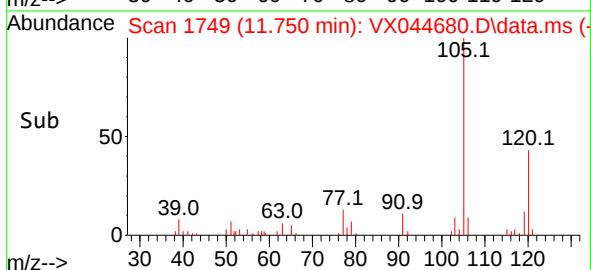
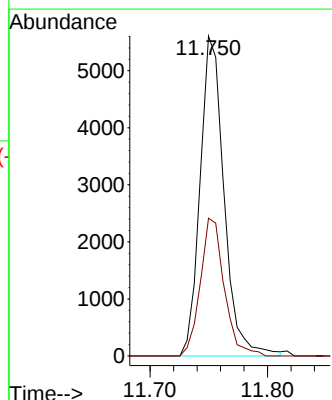
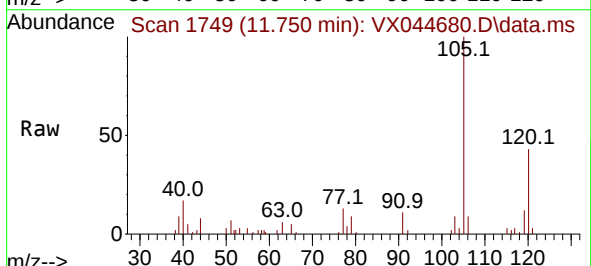
Instrument :
 MSVOA_X
 ClientSampleId :

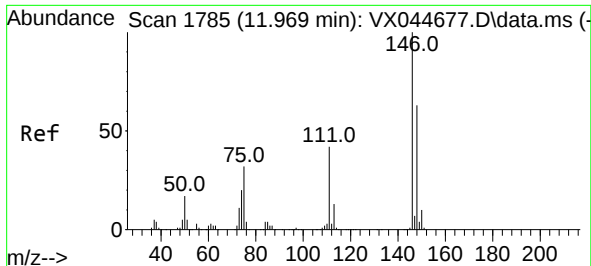
Tgt Ion:105 Resp: 7495
 Ion Ratio Lower Upper
 105 100
 120 44.1 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 1.298 ug/L
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX044680.D
 Acq: 21 Jan 2025 12:46

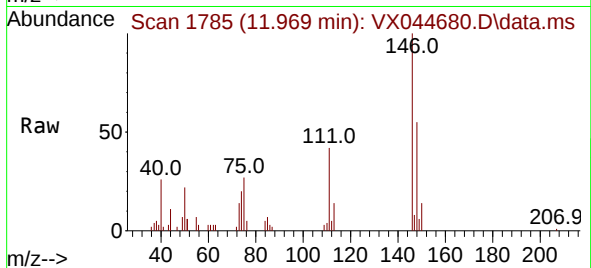
Tgt Ion:105 Resp: 7946
 Ion Ratio Lower Upper
 105 100
 120 43.0 35.7 53.5



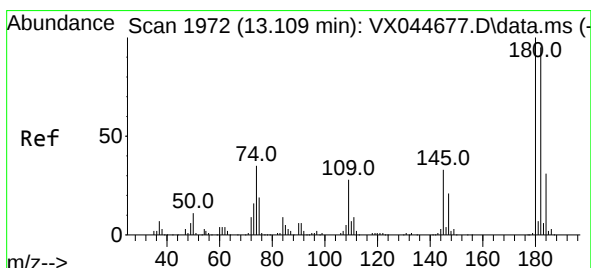
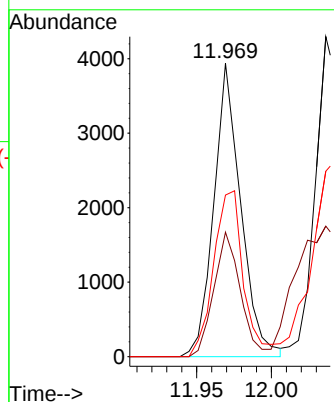
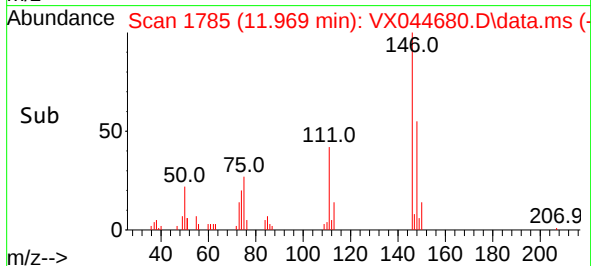


#64
1,3-Dichlorobenzene
Concen: 1.623 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX044680.D
Acq: 21 Jan 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :

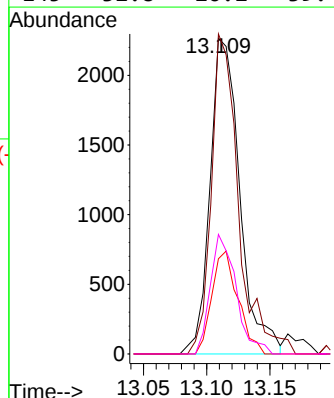
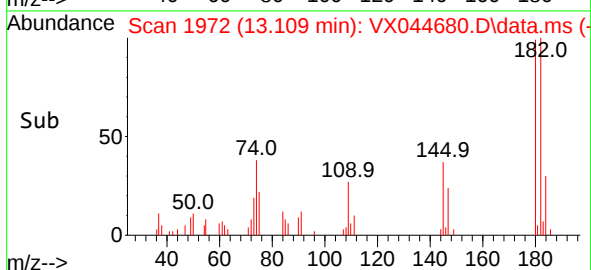
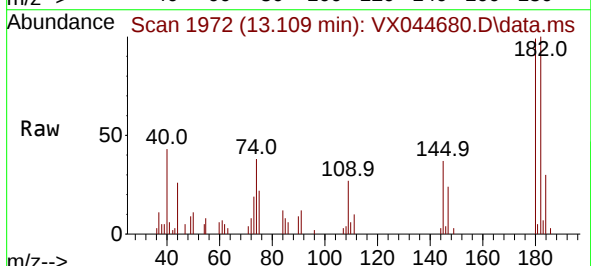


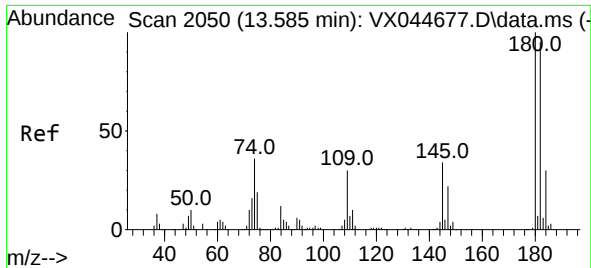
Tgt Ion:146 Resp: 4939
Ion Ratio Lower Upper
146 100
111 42.4 29.5 54.9
148 55.1 44.4 82.5



#69
1,3,5-Trichlorobenzene
Concen: 1.875 ug/L
RT: 13.109 min Scan# 1972
Delta R.T. 0.000 min
Lab File: VX044680.D
Acq: 21 Jan 2025 12:46

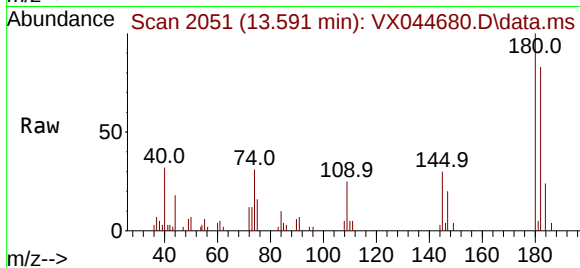
Tgt Ion:180 Resp: 3717
Ion Ratio Lower Upper
180 100
182 92.5 77.0 115.6
184 28.6 24.0 36.0
145 32.8 26.2 39.4



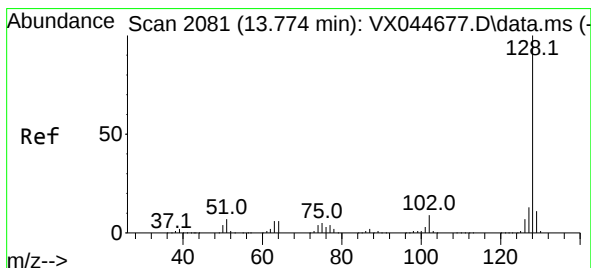
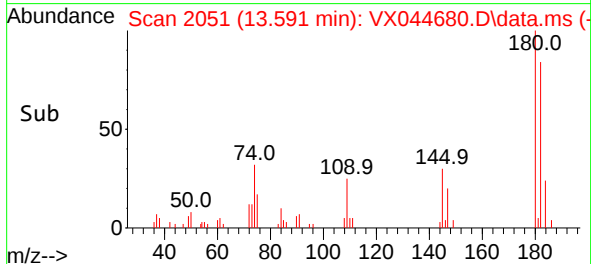
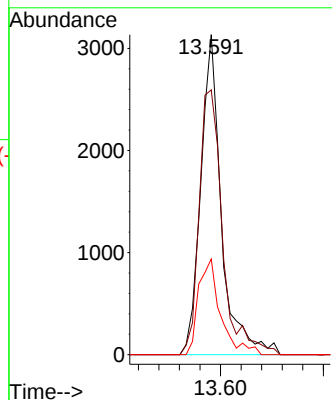


#70
1,2,4-trichlorobenzene
Concen: 2.452 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX044680.D
Acq: 21 Jan 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :

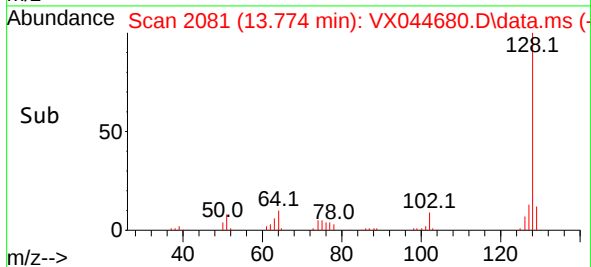
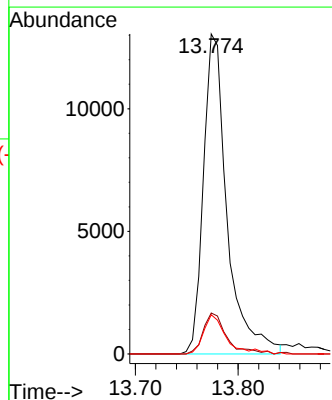
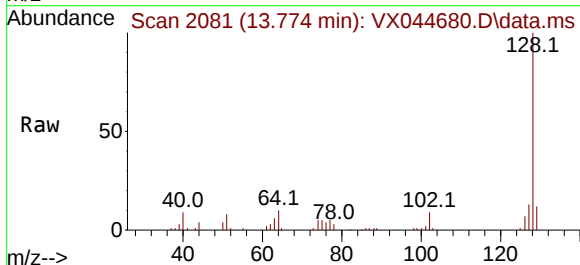


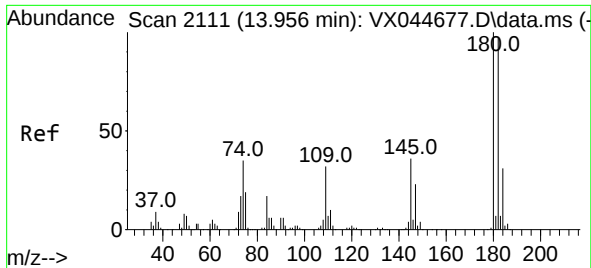
Tgt Ion:180 Resp: 4377
Ion Ratio Lower Upper
180 100
182 87.2 76.5 114.7
145 29.9 27.0 40.4



#71
Naphthalene
Concen: 3.062 ug/L
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044680.D
Acq: 21 Jan 2025 12:46

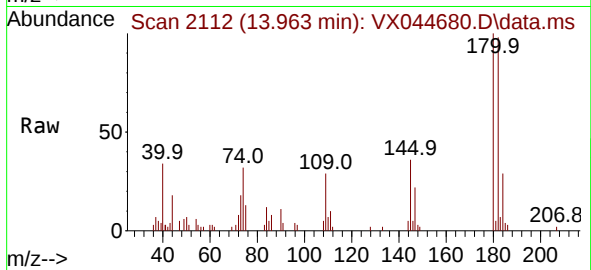
Tgt Ion:128 Resp: 20942
Ion Ratio Lower Upper
128 100
127 11.3 10.1 15.1
129 11.0 8.7 13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 2.571 ug/L
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.006 min
 Lab File: VX044680.D
 Acq: 21 Jan 2025 12:46

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	4714
Ion Ratio	Lower	Upper	
180	100		
182	97.9	77.1	115.7
145	33.9	28.3	42.5

