

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070323\
 Data File : VW031634.D
 Acq On : 03 Jul 2023 13:56
 Operator : SY/MD
 Sample : 03472-12ME
 Misc : 3.91g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A46S4ME

Quant Time: Jul 04 07:07:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 04 07:06:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	234059	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	236776	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	131322	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	59346	38.098	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.200%
7) Chloroethane-d5	1.503	69	27631	20.329	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	40.660%#
11) 1,1-Dichloroethene-d2	2.043	65	31634	39.403	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.800%
21) 2-Butanone-d5	3.799	46	115643	91.682	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.680%
24) Chloroform-d	4.252	84	142136	36.434	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.860%
26) 1,2-Dichloroethane-d4	4.944	65	92059	37.716	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.440%
32) Benzene-d6	4.960	84	239851	35.988	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.980%
36) 1,2-Dichloropropane-d6	5.995	67	89572	37.919	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	75.840%
41) Toluene-d8	7.249	98	194531	31.807	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	63.620%#
43) trans-1,3-Dichloroprop...	7.561	79	40759	35.395	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.780%
47) 2-Hexanone-d5	8.043	63	78820	84.510	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.510%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	146710	41.147	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.300%
66) 1,2-Dichlorobenzene-d4	11.570	152	98249	39.249	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.500%#
Target Compounds						Qvalue
5) Vinyl chloride	1.281	62	8475	3.649	ug/L	86
8) Chloroethane	1.281	64	3540	2.360	ug/L	90
9) Trichlorofluoromethane	2.050	101	7717	1.997	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.050	101	7717	3.727	ug/L	92
15) Methyl Acetate	2.381	43	21694	10.353	ug/L	99
19) 1,1-Dichloroethane	3.111	63	10616	2.721	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	31852	16.304	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	38285	10.085	ug/L	96
34) Trichloroethene	5.838	95	10135	4.811	ug/L	93
35) Methylcyclohexane	5.992	83	21308	6.865	ug/L #	15
46) Tetrachloroethene	7.911	164	12638	7.644	ug/L	96
65) 1,4-Dichlorobenzene	11.220	146	2587	0.578	ug/L	89
67) 1,2-Dichlorobenzene	11.586	146	143128	33.785	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.439	75	3844	4.993	ug/L #	3
69) 1,3,5-Trichlorobenzene	13.210	180	4510	1.410	ug/L	95
70) 1,2,4-trichlorobenzene	13.210	180	4510	1.609	ug/L	95

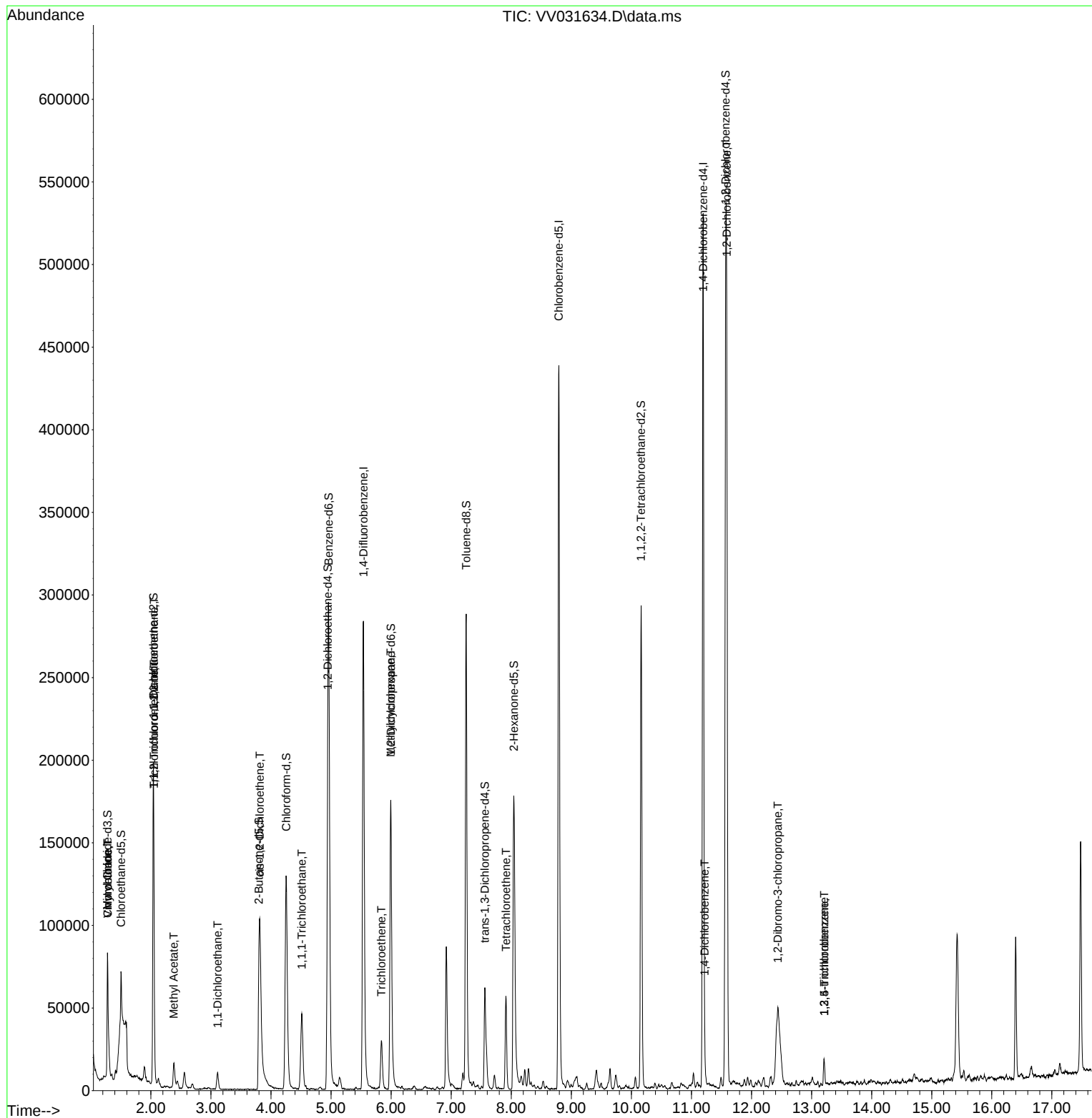
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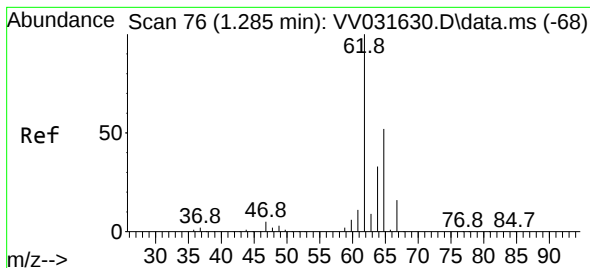
Instrument :
MSVOA_V
ClientSampleId :
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Quant Time: Jul 04 07:07:48 2023
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Quant Title : VOC Analysis
QLast Update : Tue Jul 04 07:06:08 2023
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.649 ug/L

RT: 1.281 min Scan# 75

Delta R.T. -0.003 min

Lab File: VV031634.D

Acq: 03 Jul 2023 13:56

Instrument :

MSVOA_V

ClientSampleId :

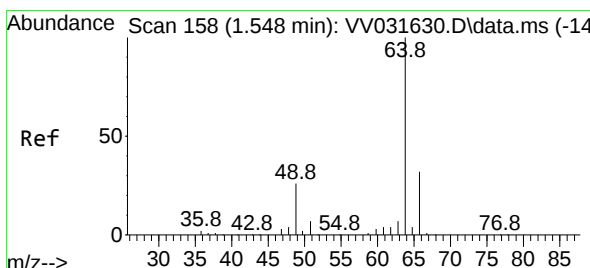
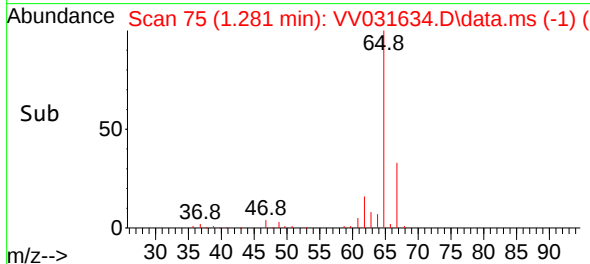
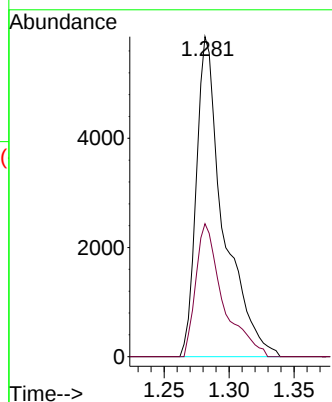
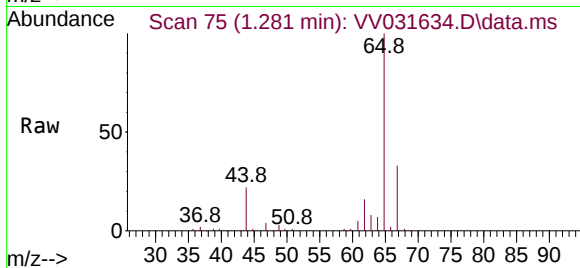
A46S4ME

Tgt Ion: 62 Resp: 8475

Ion Ratio Lower Upper

62 100

64 41.5 23.4 43.4



#8

Chloroethane

Concen: 2.360 ug/L

RT: 1.281 min Scan# 75

Delta R.T. -0.267 min

Lab File: VV031634.D

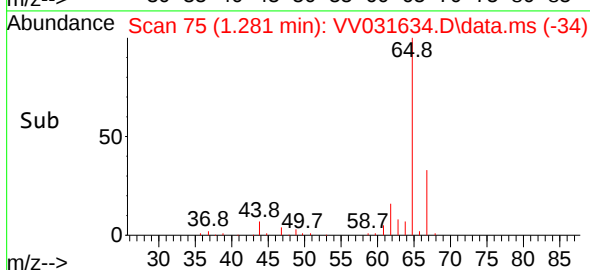
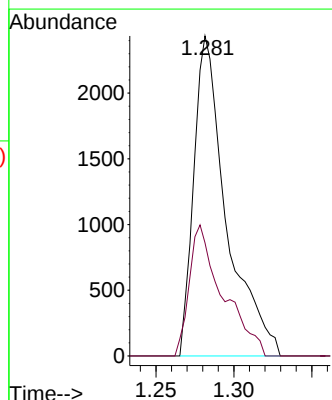
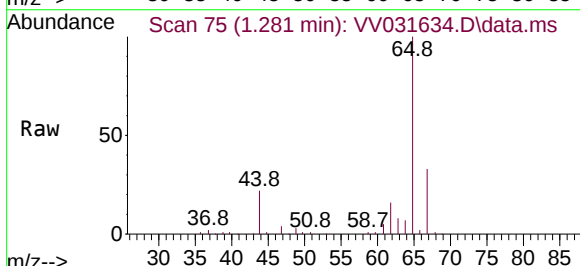
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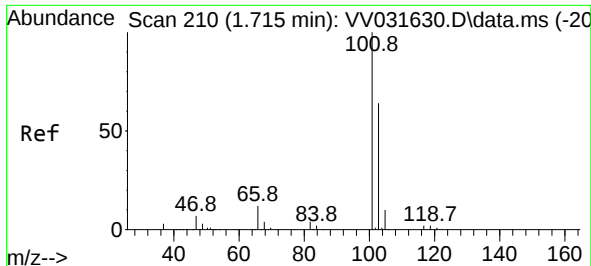
Tgt Ion: 64 Resp: 3540

Ion Ratio Lower Upper

64 100

66 35.4 21.0 39.0

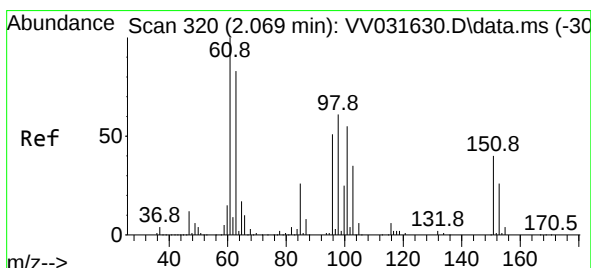
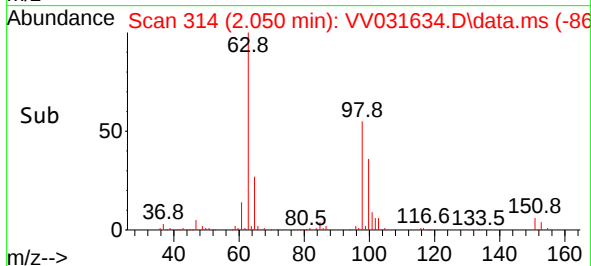
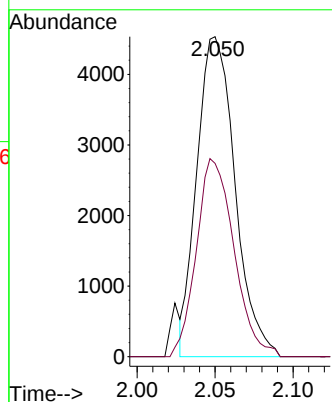
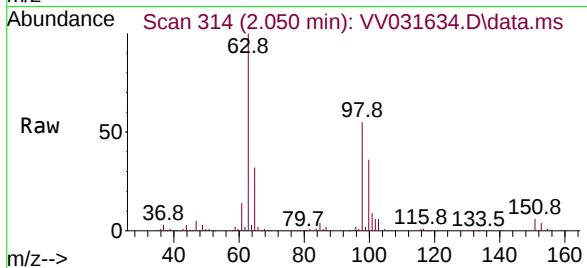




#9
 Trichlorofluoromethane
 Concen: 1.997 ug/L
 RT: 2.050 min Scan# 314
 Delta R.T. 0.334 min
 Lab File: VV031634.D
 Acq: 03 Jul 2023 13:56

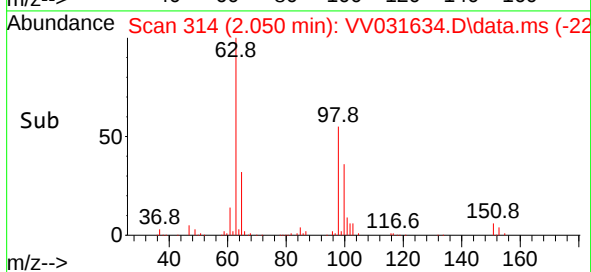
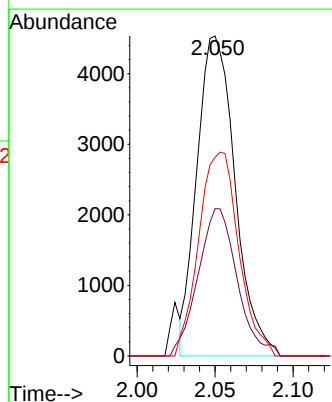
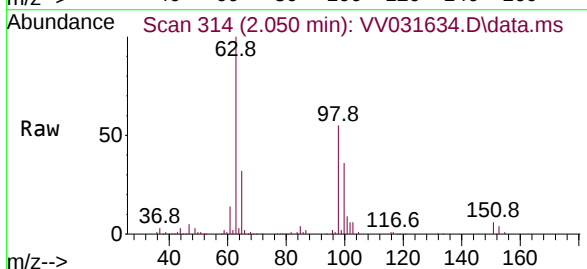
Instrument :
 MSVOA_V
 ClientSampleId :
 A46S4ME

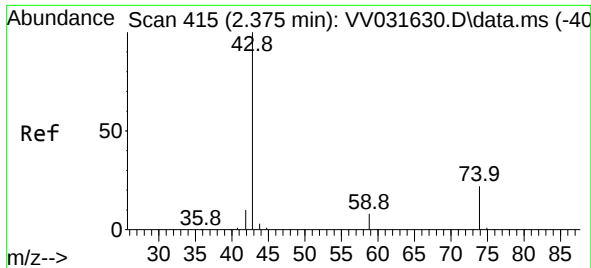
Tgt Ion:101 Resp: 7717
 Ion Ratio Lower Upper
 101 100
 103 61.0 50.9 76.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.727 ug/L
 RT: 2.050 min Scan# 314
 Delta R.T. -0.019 min
 Lab File: VV031634.D
 Acq: 03 Jul 2023 13:56

Tgt Ion:101 Resp: 7717
 Ion Ratio Lower Upper
 101 100
 85 46.4 37.4 56.0
 151 66.7 62.3 93.5

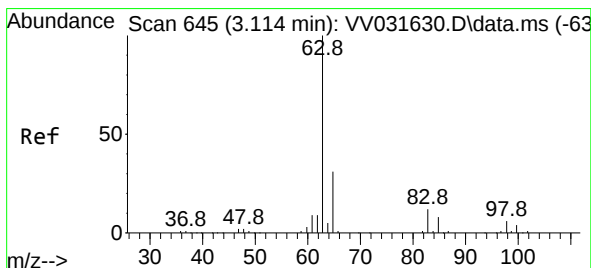
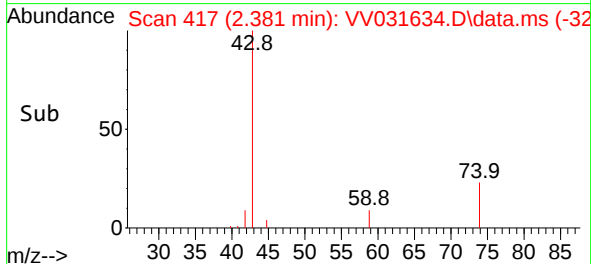
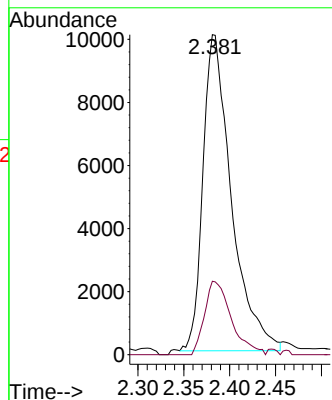
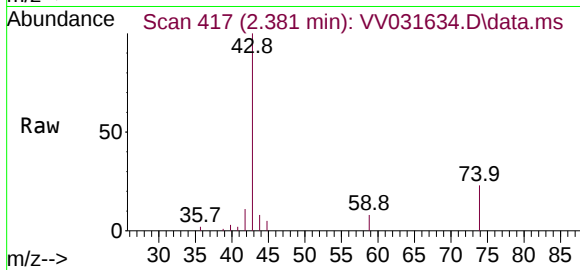




#15
Methyl Acetate
Concen: 10.353 ug/L
RT: 2.381 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV031634.D
Acq: 03 Jul 2023 13:56

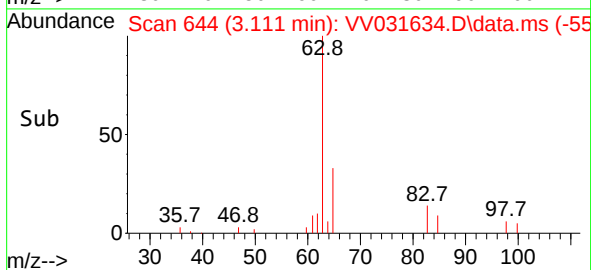
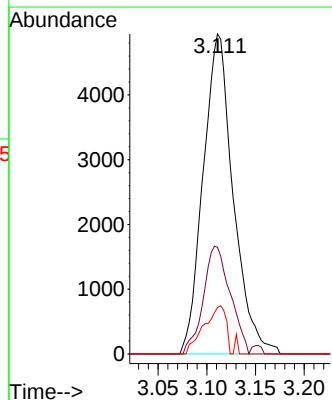
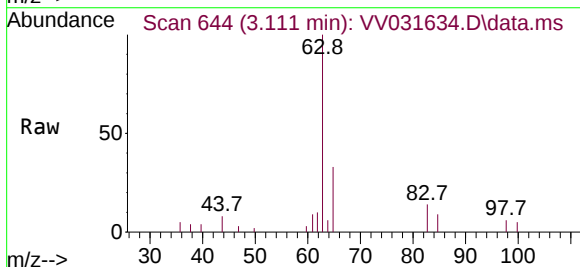
Instrument :
MSVOA_V
ClientSampleId :
A46S4ME

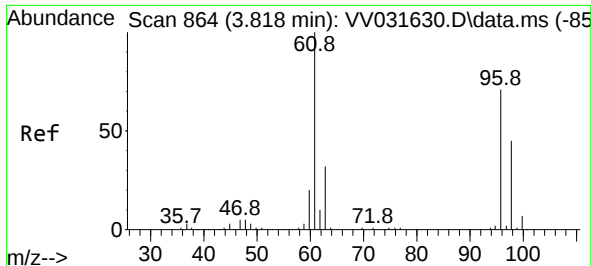
Tgt Ion: 43 Resp: 21694
Ion Ratio Lower Upper
43 100
74 21.6 17.8 26.6



#19
1,1-Dichloroethane
Concen: 2.721 ug/L
RT: 3.111 min Scan# 644
Delta R.T. -0.003 min
Lab File: VV031634.D
Acq: 03 Jul 2023 13:56

Tgt Ion: 63 Resp: 10616
Ion Ratio Lower Upper
63 100
65 33.4 22.5 41.7
83 14.5 10.0 18.6

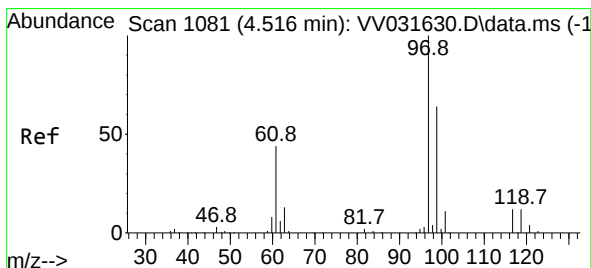
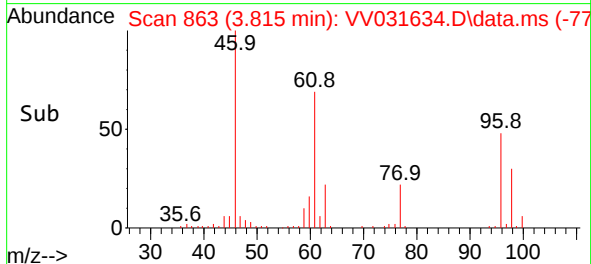
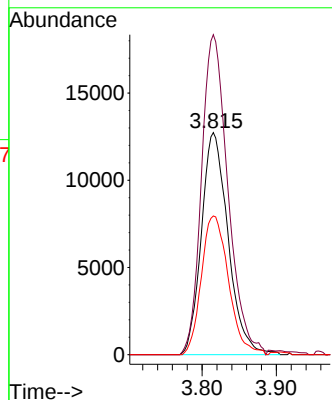
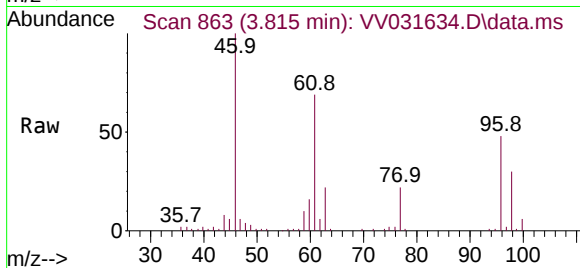




#20
 cis-1,2-Dichloroethene
 Concen: 16.304 ug/L
 RT: 3.815 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VV031634.D
 Acq: 03 Jul 2023 13:56

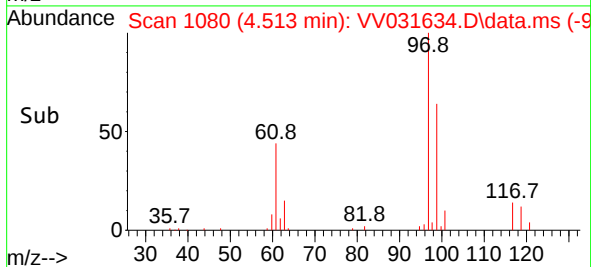
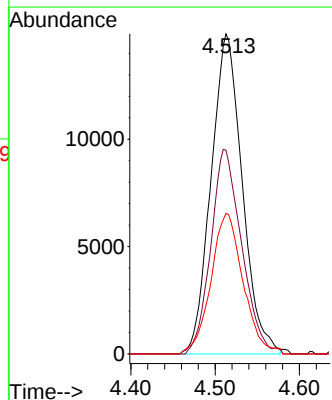
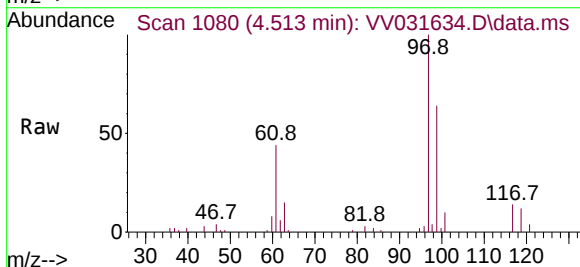
Instrument :
 MSVOA_V
 ClientSampleId :
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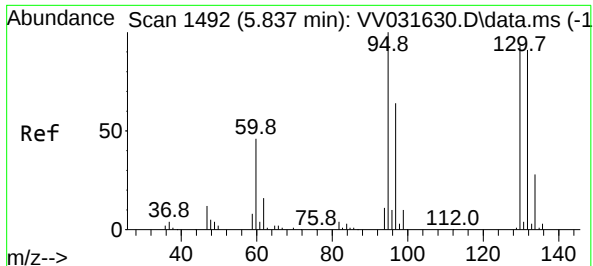
Tgt Ion: 96 Resp: 31852
 Ion Ratio Lower Upper
 96 100
 61 144.1 98.6 183.0
 98 63.7 45.7 84.9



#30
 1,1,1-Trichloroethane
 Concen: 10.085 ug/L
 RT: 4.513 min Scan# 1080
 Delta R.T. -0.003 min
 Lab File: VV031634.D
 Acq: 03 Jul 2023 13:56

Tgt Ion: 97 Resp: 38285
 Ion Ratio Lower Upper
 97 100
 99 62.8 51.8 77.6
 61 45.0 33.0 49.6



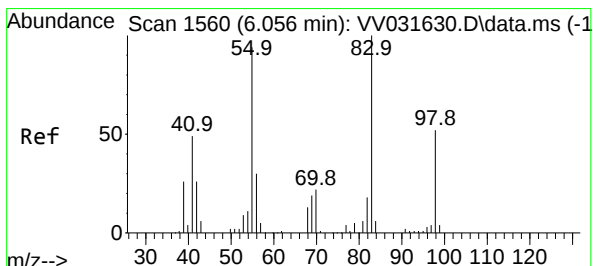
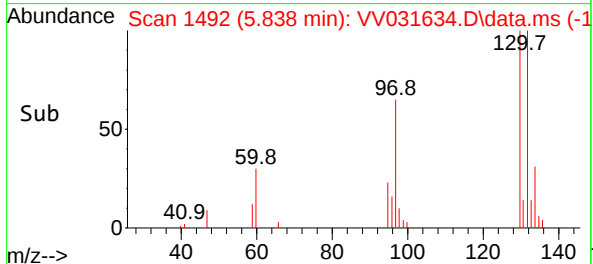
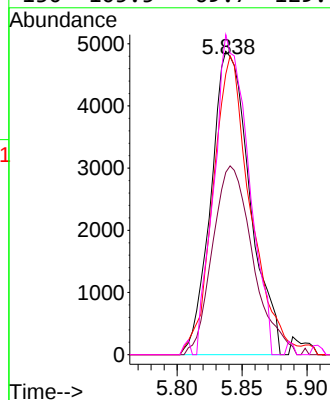
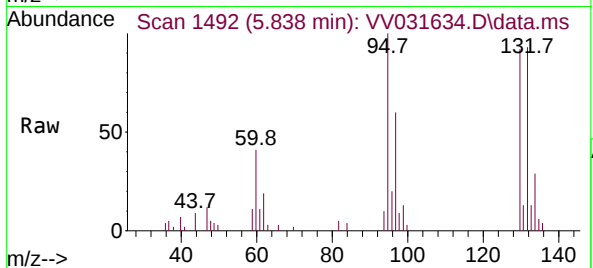


#34
Trichloroethene
Concen: 4.811 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.000 min
Lab File: VV031634.D
Acq: 03 Jul 2023 13:56

Instrument :
MSVOA_V
ClientSampleId :
A46S4ME

Tgt Ion: 95 Resp: 10135

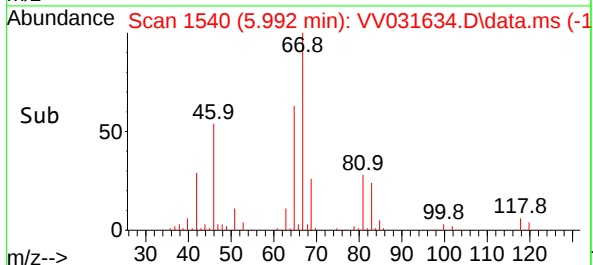
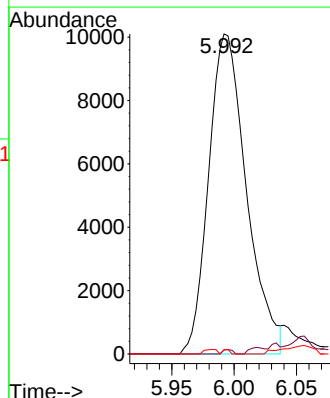
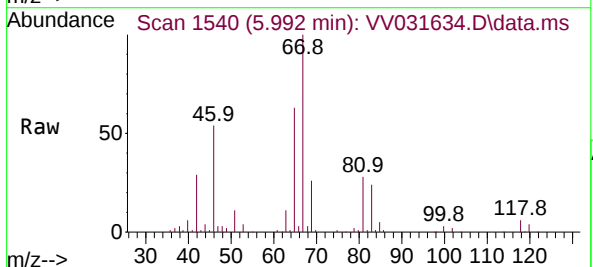
Ion	Ratio	Lower	Upper
95	100		
97	69.0	46.8	86.8
132	105.7	66.4	123.2
130	105.5	69.7	129.4

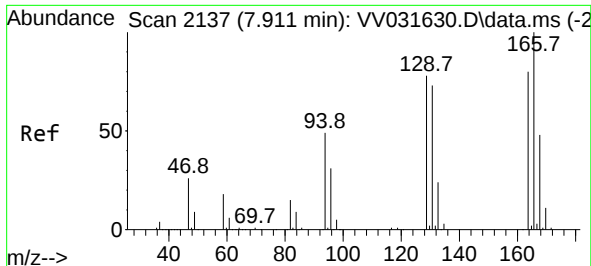


#35
Methylcyclohexane
Concen: 6.865 ug/L
RT: 5.992 min Scan# 1540
Delta R.T. -0.064 min
Lab File: VV031634.D
Acq: 03 Jul 2023 13:56

Tgt Ion: 83 Resp: 21308

Ion	Ratio	Lower	Upper
83	100		
55	0.3	68.7	103.1#
98	0.2	37.0	55.4#



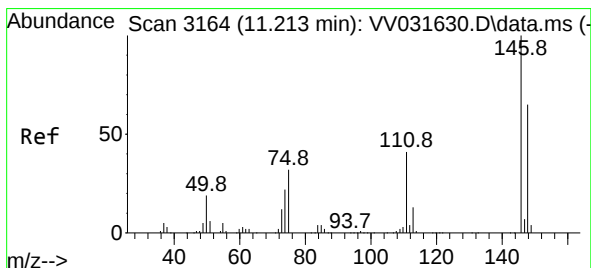
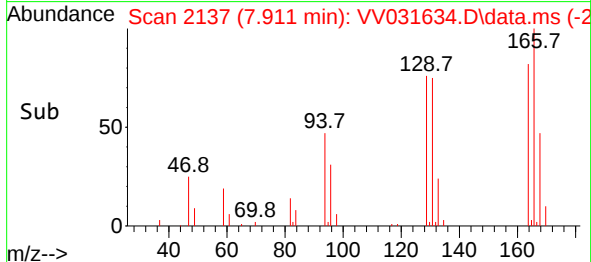
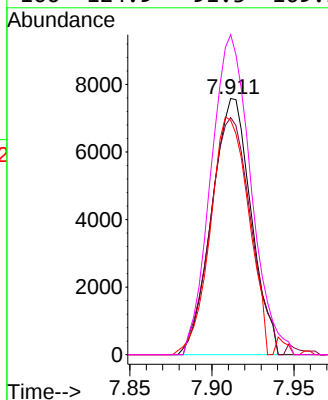
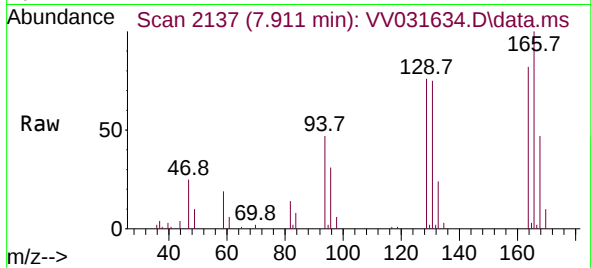


#46
Tetrachloroethene
Concen: 7.644 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031634.D
Acq: 03 Jul 2023 13:56

Instrument :
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Tgt Ion:164 Resp: 12638

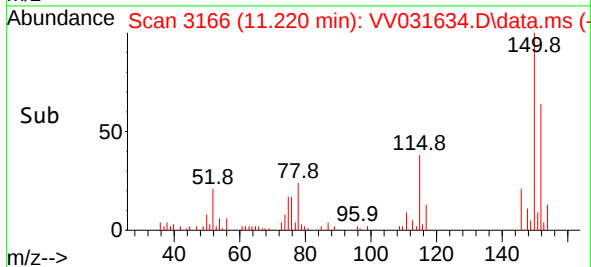
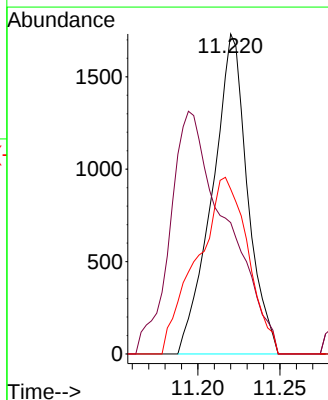
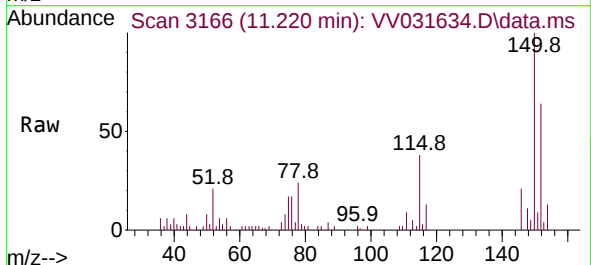
Ion	Ratio	Lower	Upper
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129	95.5	68.4	127.0
131	91.5	67.6	125.6
166	124.9	91.3	169.5

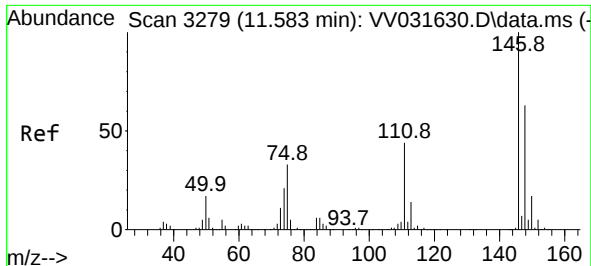


#65
1,4-Dichlorobenzene
Concen: 0.578 ug/L
RT: 11.220 min Scan# 3166
Delta R.T. 0.006 min
Lab File: VV031634.D
Acq: 03 Jul 2023 13:56

Tgt Ion:146 Resp: 2587

Ion	Ratio	Lower	Upper
146	100		
111	41.1	27.9	51.7
148	75.1	43.6	81.0





#67

1,2-Dichlorobenzene

Concen: 33.785 ug/L

RT: 11.586 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031634.D

Acq: 03 Jul 2023 13:56

Instrument :

MSVOA_V

ClientSampleId :

A46S4ME

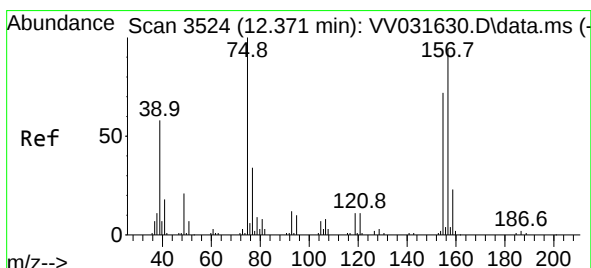
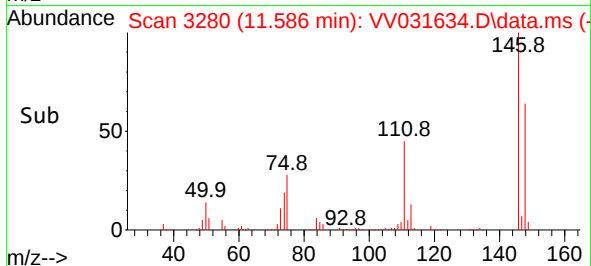
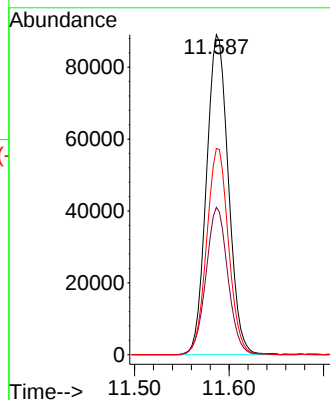
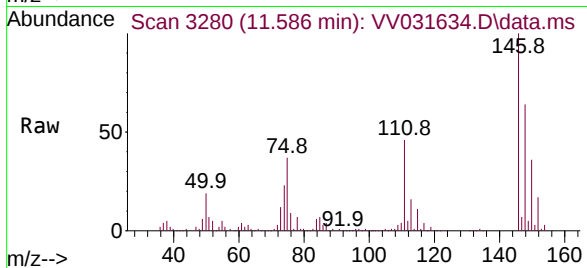
Tgt Ion:146 Resp: 143128

Ion Ratio Lower Upper

146 100

111 46.1 35.9 53.9

148 64.5 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.993 ug/L

RT: 12.439 min Scan# 3545

Delta R.T. 0.068 min

Lab File: VV031634.D

Acq: 03 Jul 2023 13:56

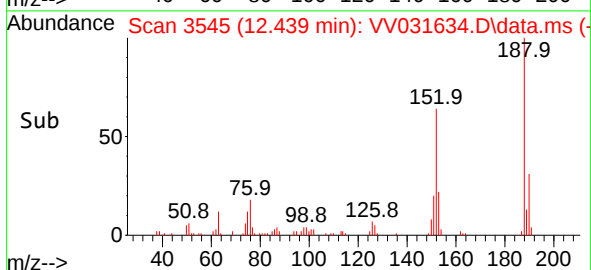
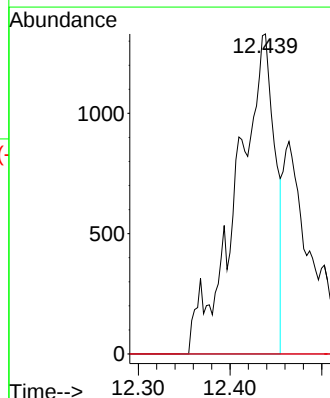
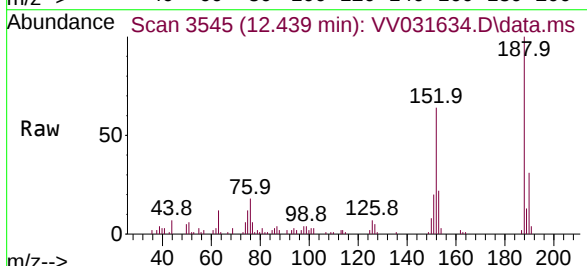
Tgt Ion: 75 Resp: 3844

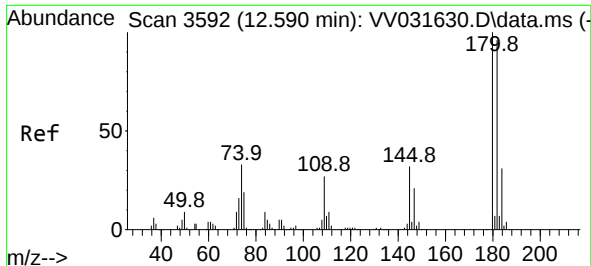
Ion Ratio Lower Upper

75 100

155 0.0 63.2 94.8#

157 0.0 85.3 127.9#





#69

1,3,5-Trichlorobenzene

Concen: 1.410 ug/L

RT: 13.210 min Scan# 31

Delta R.T. 0.621 min

Lab File: VV031634.D

Acq: 03 Jul 2023 13:56

Instrument :

MSVOA_V

ClientSampleId :

A46S4ME

Tgt Ion:180 Resp: 4510

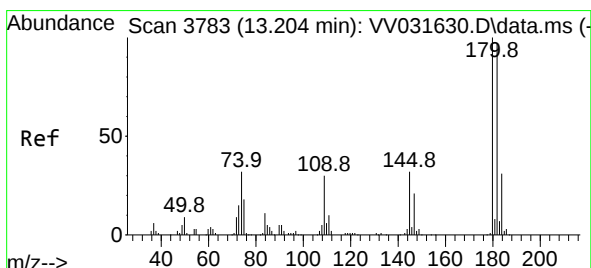
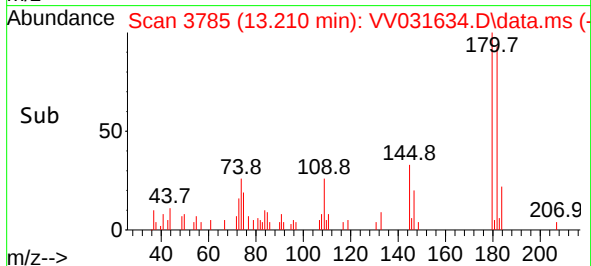
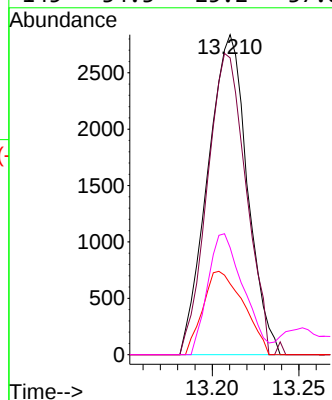
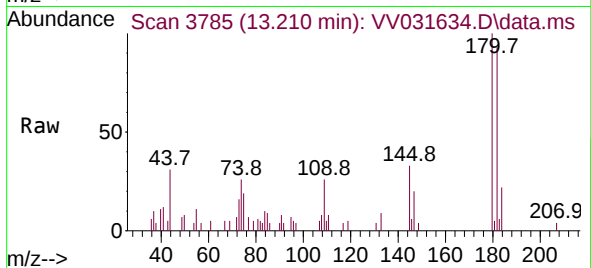
Ion Ratio Lower Upper

180 100

182 91.7 76.6 115.0

184 26.8 24.7 37.1

145 34.3 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 1.609 ug/L

RT: 13.210 min Scan# 3785

Delta R.T. 0.006 min

Lab File: VV031634.D

Acq: 03 Jul 2023 13:56

Tgt Ion:180 Resp: 4510

Ion Ratio Lower Upper

180 100

182 91.7 77.7 116.5

145 34.3 26.1 39.1

