

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041023\
 Data File : VW030479.D
 Acq On : 10 Apr 2023 19:51
 Operator : SY/MD
 Sample : 02254-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AC6

Quant Time: Apr 11 06:32:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 11 06:24:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	114598	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	111491	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	55370	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	27531	3.627	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.600%
7) Chloroethane-d5	1.536	69	30296	4.113	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.200%
11) 1,1-Dichloroethene-d2	2.069	63	9311714	517.024	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	10340.400%#
20) 2-Butanone-d5	3.831	46	84452	43.049	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.100%
24) Chloroform-d	4.262	84	89403	4.867	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	4.953	65	41215	4.755	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
32) Benzene-d6	4.970	84	148329	4.721	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	5.998	67	47060	4.784	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.252	98	123705	4.288	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
43) trans-1,3-Dichloroprop...	7.561	79	15552	4.199	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.000%
46) 2-Hexanone-d5	8.037	63	68383	45.953	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.900%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	35044	4.521	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.400%
66) 1,2-Dichlorobenzene-d4	11.571	152	51947	5.249	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	2334	0.127	ug/L	91
5) Vinyl chloride	1.285	62	90733	6.770	ug/L	99
6) Bromomethane	1.494	94	582	0.152	ug/L	98
8) Chloroethane	1.552	64	30757	4.006	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	41437	3.843	ug/L #	31
12) 1,1-Dichloroethene	2.066	96	14254742	1488.714	ug/L #	40
14) Carbon disulfide	2.249	76	10650	0.338	ug/L	96
16) Methylene chloride	2.455	84	7118	0.628	ug/L	98
21) 2-Butanone	3.925	43	8020	3.397	ug/L #	67
22) cis-1,2-Dichloroethene	3.831	96	4313	0.426	ug/L	85
25) Chloroform	4.288	83	150705	7.626	ug/L	96
27) 1,2-Dichloroethane	5.053	62	62382	5.221	ug/L	96
31) Carbon tetrachloride	4.542	117	6021876	370.358	ug/L	99
33) Benzene	5.027	78	4829	0.122	ug/L	100
34) Trichloroethene	5.841	95	350008	32.772	ug/L	99
37) 1,2-Dichloropropane	6.105	63	623	0.061	ug/L #	85
39) cis-1,3-Dichloropropene	6.924	75	1320	0.092	ug/L #	56
42) Toluene	7.326	91	10968	0.260	ug/L	98
45) 1,1,2-Trichloroethane	7.780	97	3888	0.543	ug/L	94

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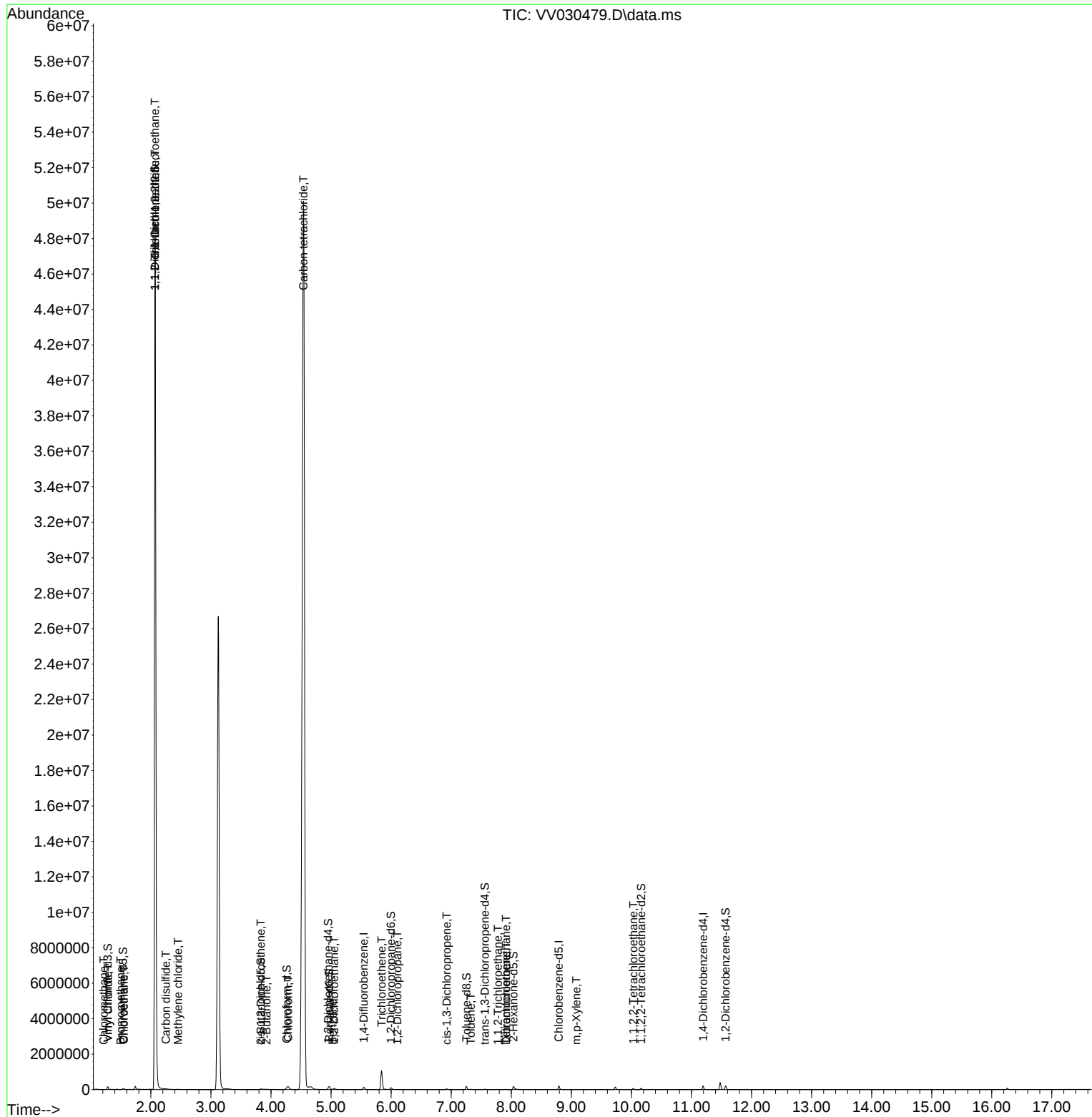
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	7.915	164	2160	0.229	ug/L	84
49) Dibromochloromethane	7.912	129	2267	0.266	ug/L #	12
53) m,p-Xylene	9.085	106	1496	0.085	ug/L	79
57) 1,1,2,2-Tetrachloroethane	10.034	83	3063	0.360	ug/L #	86

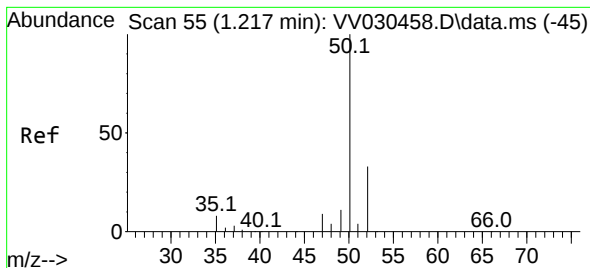
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#3

Chloromethane

Concen: 0.127 ug/L

RT: 1.217 min Scan# 51

Delta R.T. 0.000 min

Lab File: VV030479.D

Acq: 10 Apr 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

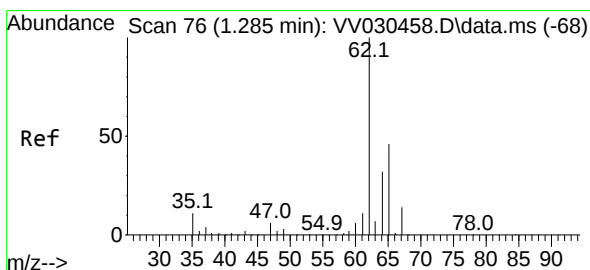
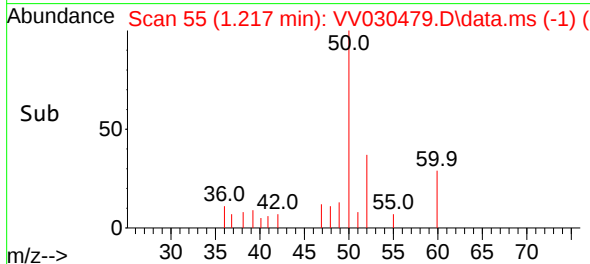
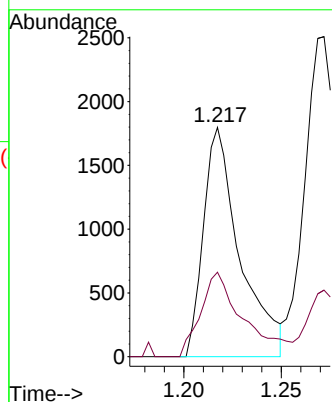
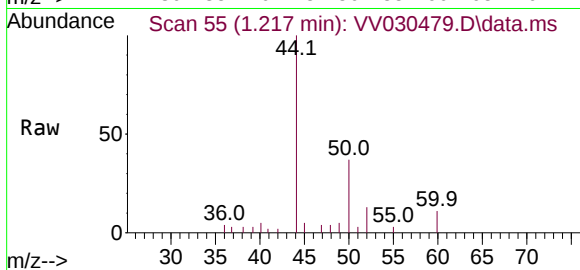
C0AC6

Tgt Ion: 50 Resp: 2334

Ion Ratio Lower Upper

50 100

52 36.9 22.3 41.5



#5

Vinyl chloride

Concen: 6.770 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV030479.D

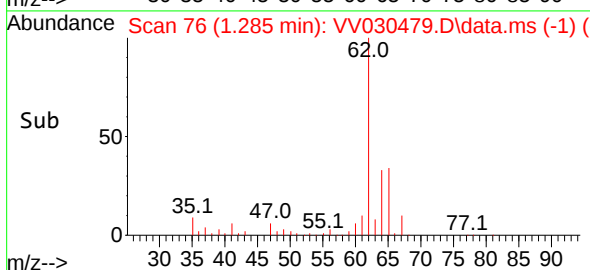
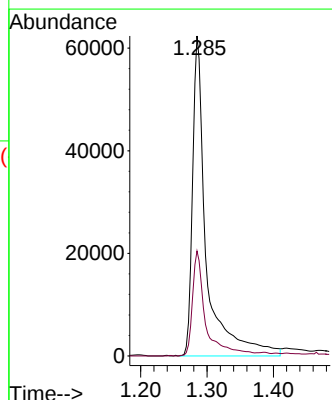
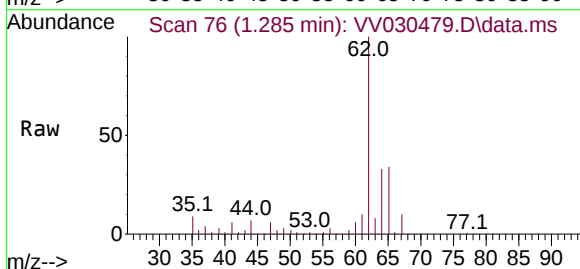
Acq: 10 Apr 2023 19:51

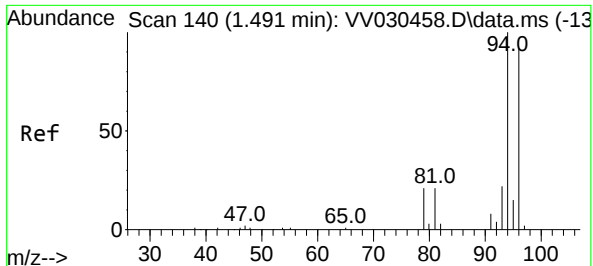
Tgt Ion: 62 Resp: 90733

Ion Ratio Lower Upper

62 100

64 32.8 23.2 43.2

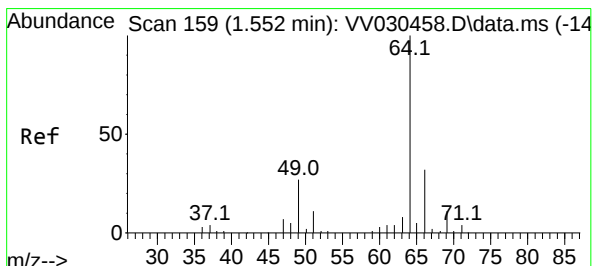
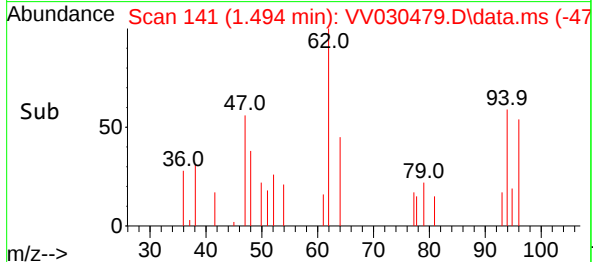
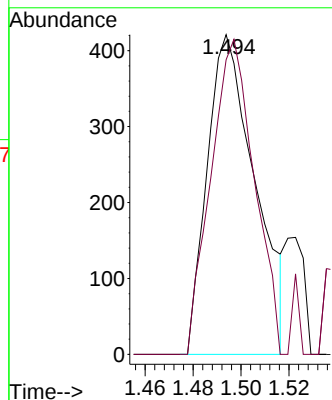
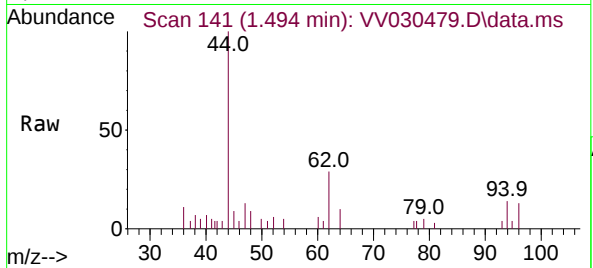




#6
Bromomethane
Concen: 0.152 ug/L
RT: 1.494 min Scan# 140
Delta R.T. 0.003 min
Lab File: VV030479.D
Acq: 10 Apr 2023 19:51

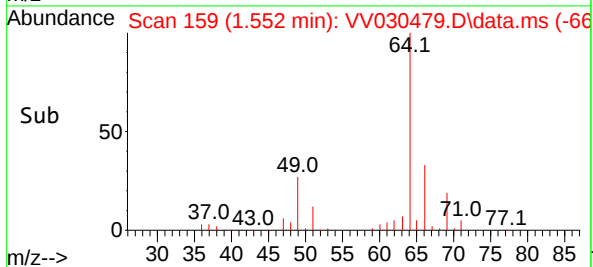
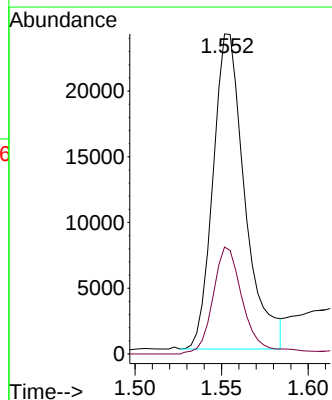
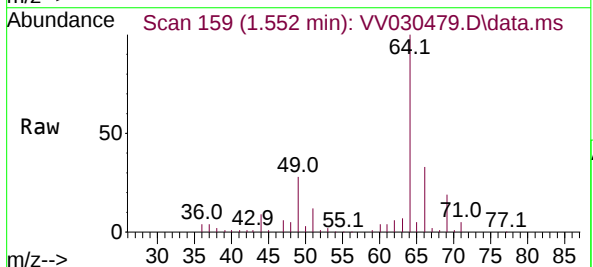
Instrument :
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ClientSampleId :
C0AC6

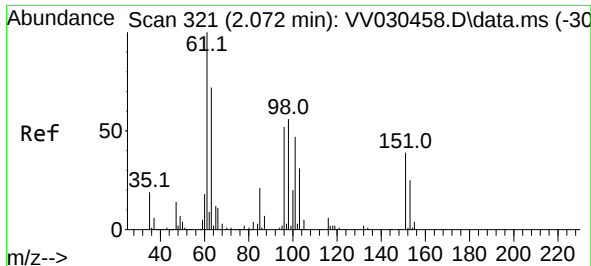
Tgt Ion: 94 Resp: 582
Ion Ratio Lower Upper
94 100
96 92.2 66.1 122.7



#8
Chloroethane
Concen: 4.006 ug/L
RT: 1.552 min Scan# 159
Delta R.T. 0.000 min
Lab File: VV030479.D
Acq: 10 Apr 2023 19:51

Tgt Ion: 64 Resp: 30757
Ion Ratio Lower Upper
64 100
66 33.4 23.0 42.8

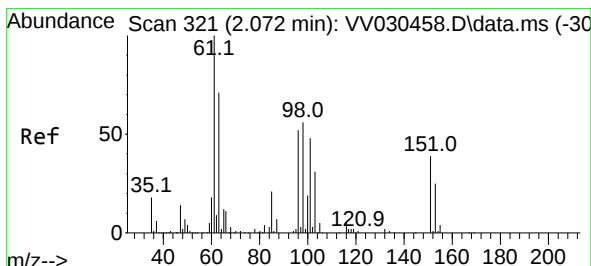
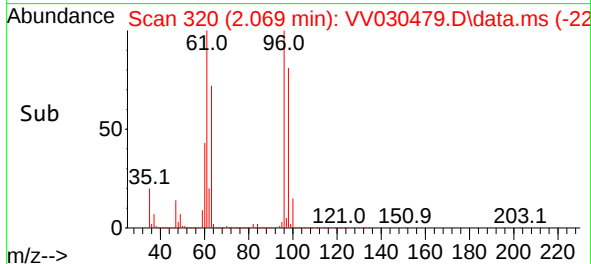
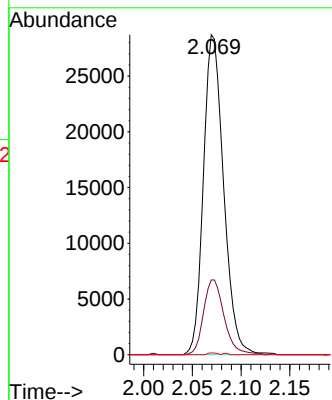
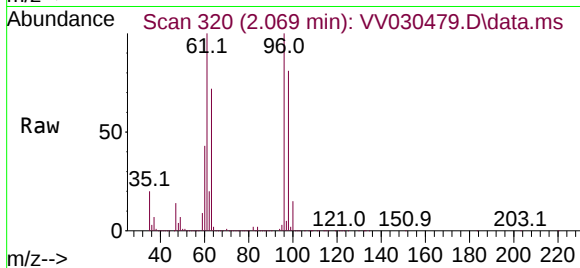




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.843 ug/L
 RT: 2.069 min Scan# 319
 Delta R.T. -0.003 min
 Lab File: VV030479.D
 Acq: 10 Apr 2023 19:51

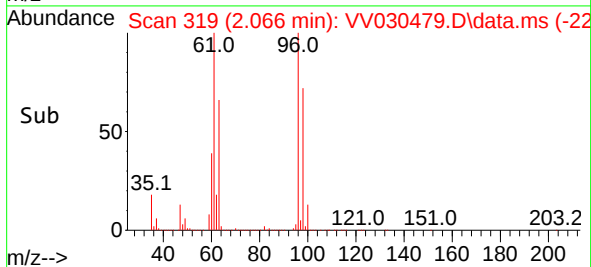
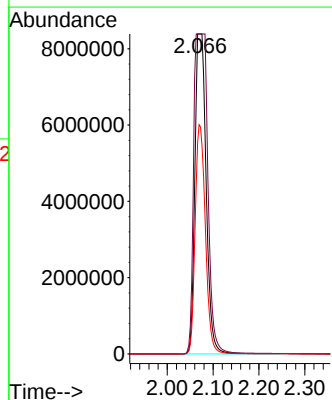
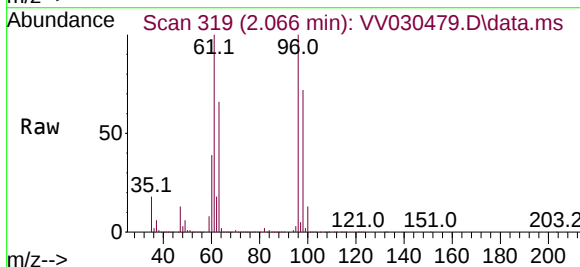
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AC6

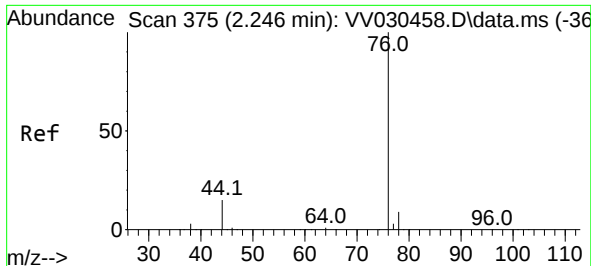
Tgt Ion:101 Resp: 41437
 Ion Ratio Lower Upper
 101 100
 85 23.8 38.1 57.1#
 151 0.3 62.7 94.1#



#12
 1,1-Dichloroethene
 Concen: 1488.714 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.006 min
 Lab File: VV030479.D
 Acq: 10 Apr 2023 19:51

Tgt Ion: 96 Resp:14254742
 Ion Ratio Lower Upper
 96 100
 61 100.0 136.3 253.1#
 63 66.1 92.1 171.1#

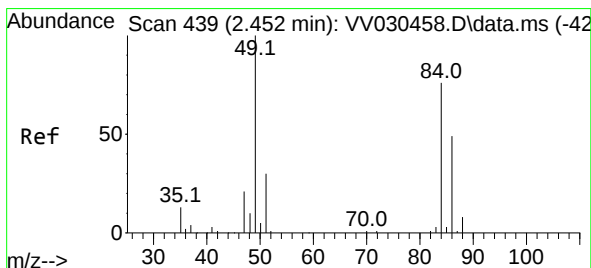
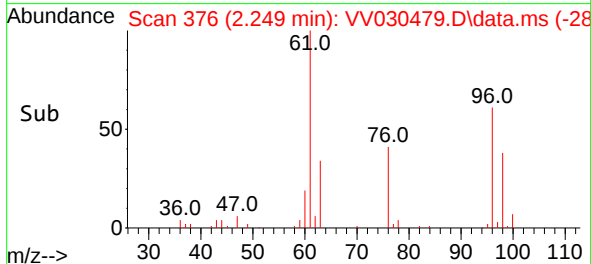
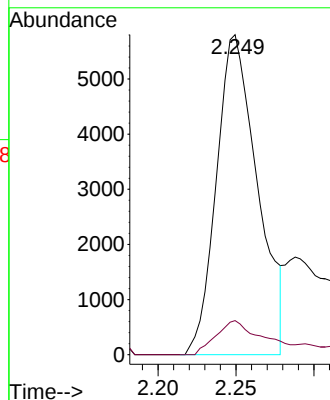
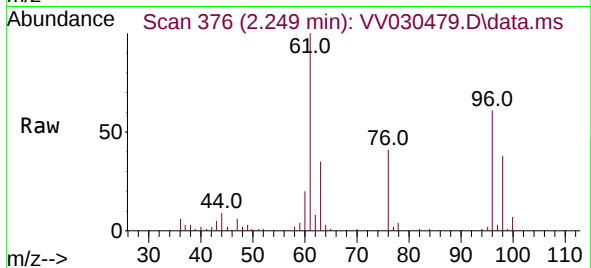




#14
Carbon disulfide
Concen: 0.338 ug/L
RT: 2.249 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030479.D
Acq: 10 Apr 2023 19:51

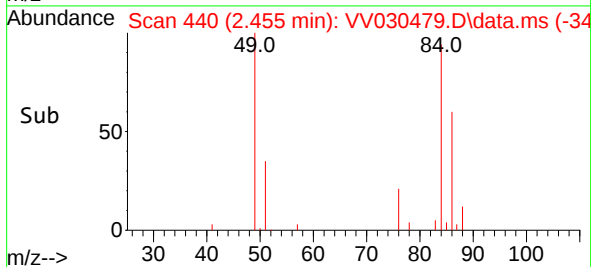
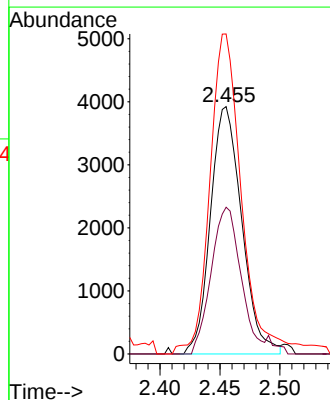
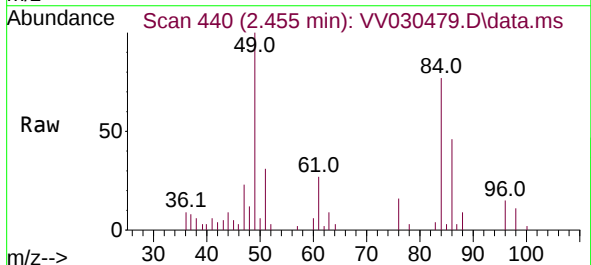
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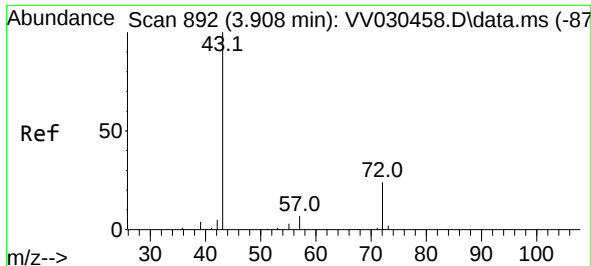
Tgt Ion: 76 Resp: 10650
Ion Ratio Lower Upper
76 100
78 10.6 7.3 10.9



#16
Methylene chloride
Concen: 0.628 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030479.D
Acq: 10 Apr 2023 19:51

Tgt Ion: 84 Resp: 7118
Ion Ratio Lower Upper
84 100
86 59.3 44.0 81.6
49 129.4 90.6 168.3





#21

2-Butanone

Concen: 3.397 ug/L

RT: 3.925 min Scan# 897

Delta R.T. 0.016 min

Lab File: VV030479.D

Acq: 10 Apr 2023 19:51

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ClientSampleId :

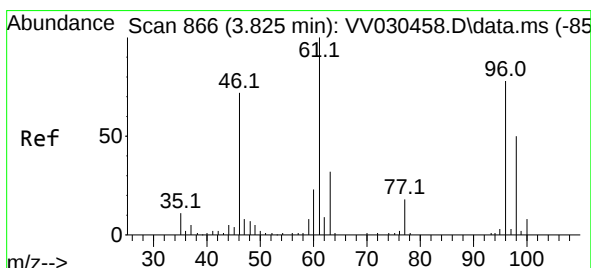
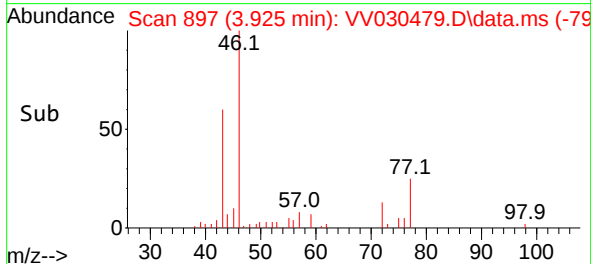
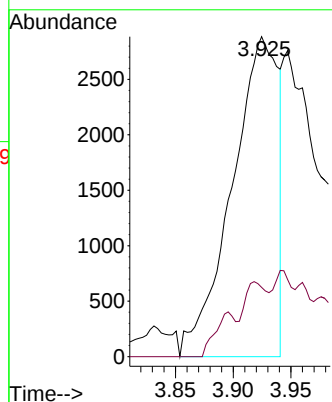
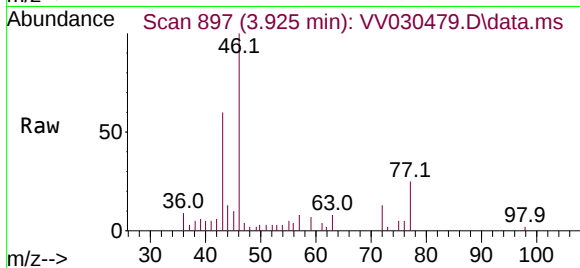
C0AC6

Tgt Ion: 43 Resp: 8020

Ion Ratio Lower Upper

43 100

72 6.4 11.2 33.5#



#22

cis-1,2-Dichloroethene

Concen: 0.426 ug/L

RT: 3.831 min Scan# 868

Delta R.T. 0.006 min

Lab File: VV030479.D

Acq: 10 Apr 2023 19:51

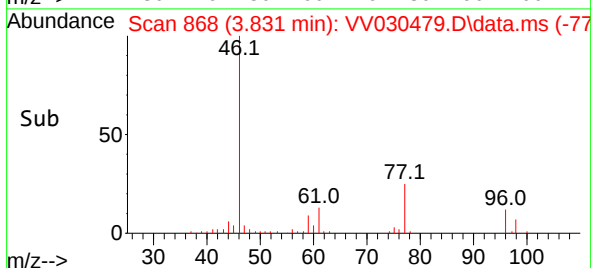
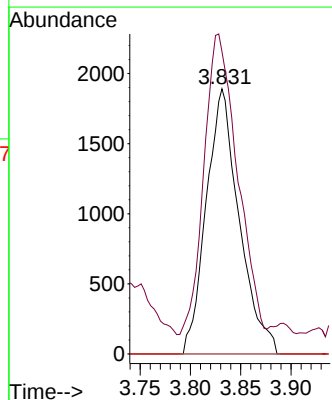
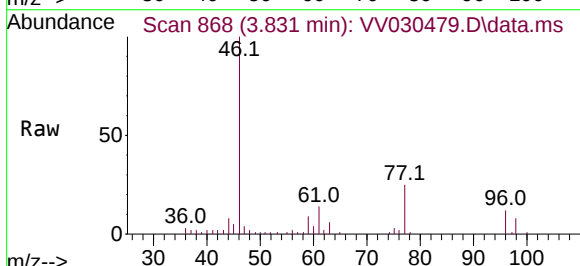
Tgt Ion: 96 Resp: 4313

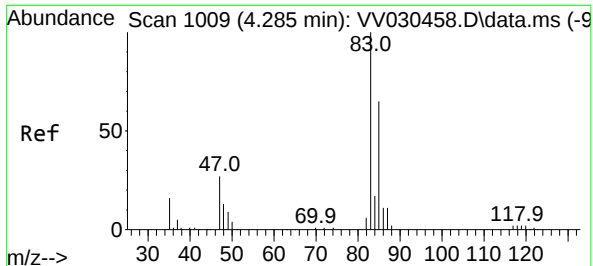
Ion Ratio Lower Upper

96 100

61 114.0 92.0 170.8

68 0.0 0.0 0.0





#25

Chloroform

Concen: 7.626 ug/L

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

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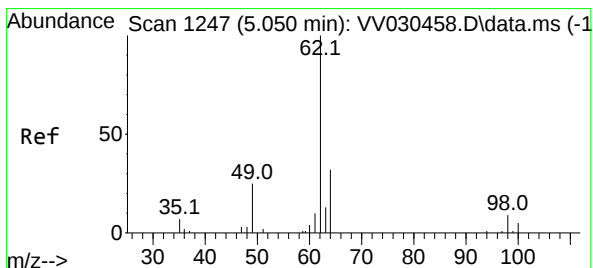
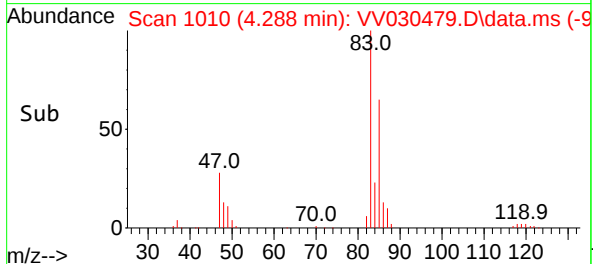
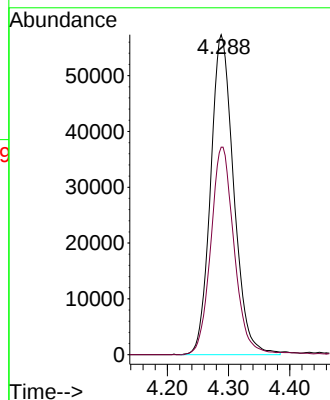
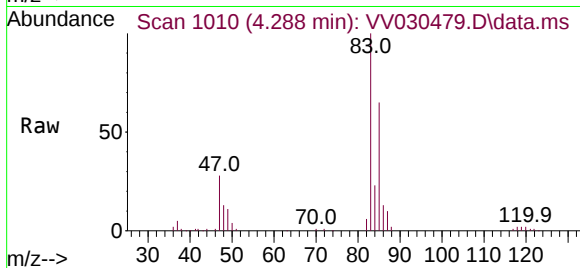
C0AC6

Tgt Ion: 83 Resp: 150705

Ion Ratio Lower Upper

83 100

85 64.9 47.6 88.4



#27

1,2-Dichloroethane

Concen: 5.221 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VV030479.D

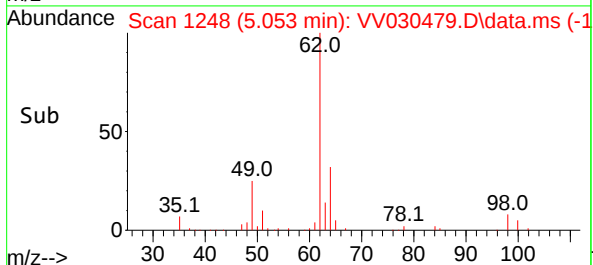
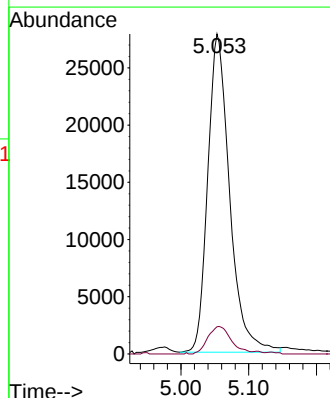
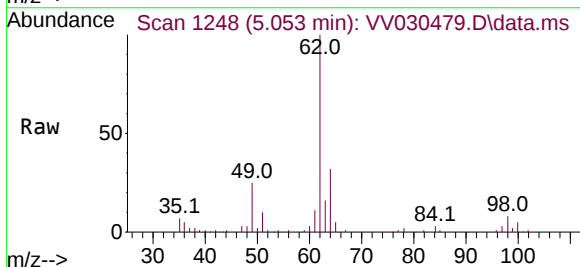
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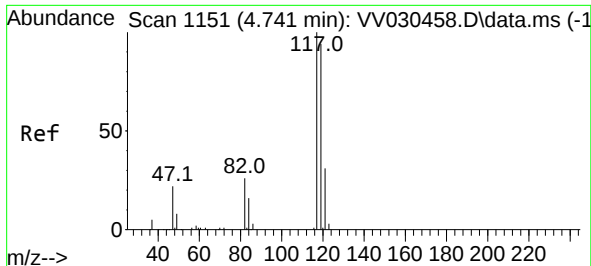
Tgt Ion: 62 Resp: 62382

Ion Ratio Lower Upper

62 100

98 8.5 7.8 11.8

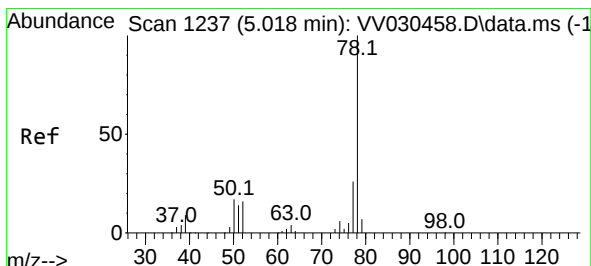
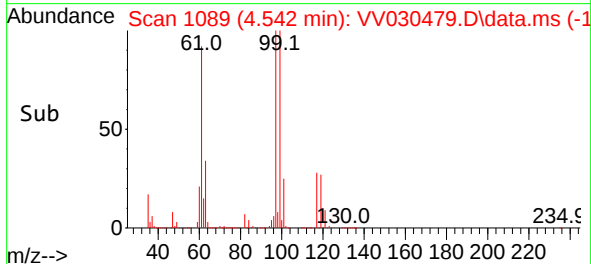
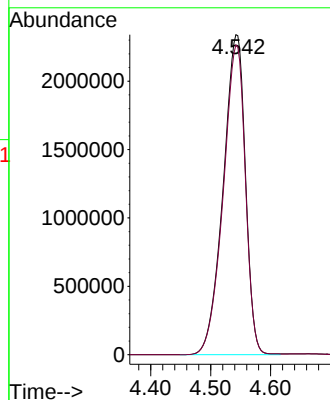
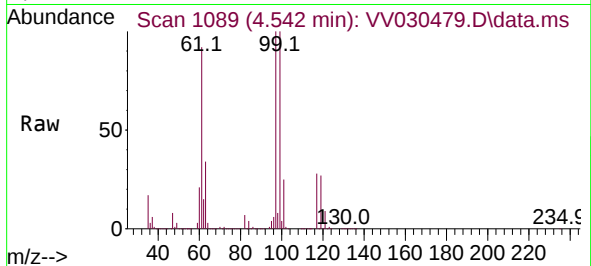




#31
Carbon tetrachloride
Concen: 370.358 ug/L
RT: 4.542 min Scan# 1089
Delta R.T. -0.199 min
Lab File: VV030479.D
Acq: 10 Apr 2023 19:51

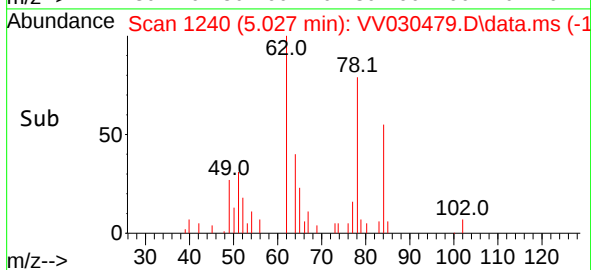
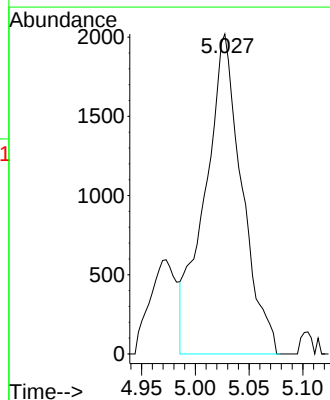
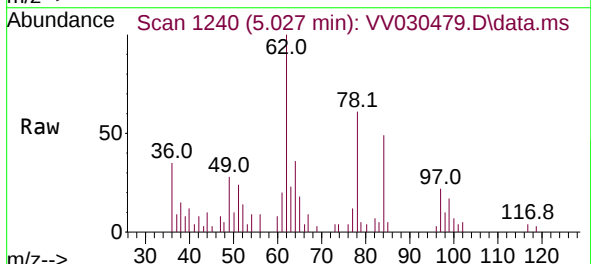
Instrument :
MSVOA_V
ClientSampleId :
C0AC6

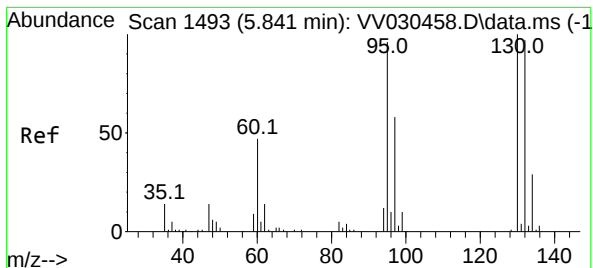
Tgt Ion:117 Resp: 6021876
Ion Ratio Lower Upper
117 100
119 96.4 76.2 114.4



#33
Benzene
Concen: 0.122 ug/L
RT: 5.027 min Scan# 1240
Delta R.T. 0.010 min
Lab File: VV030479.D
Acq: 10 Apr 2023 19:51

Tgt Ion: 78 Resp: 4829





#34

Trichloroethene

Concen: 32.772 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VV030479.D

Acq: 10 Apr 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

C0AC6

Tgt Ion: 95 Resp: 350008

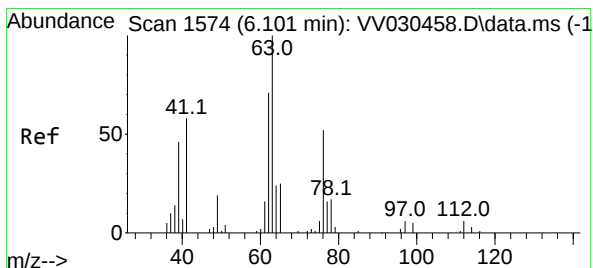
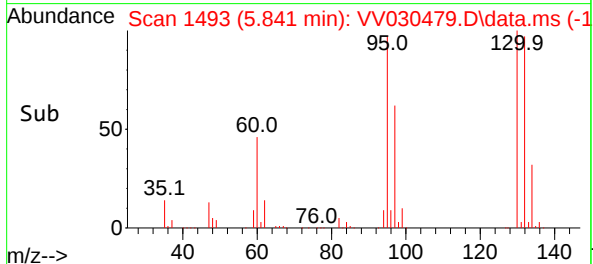
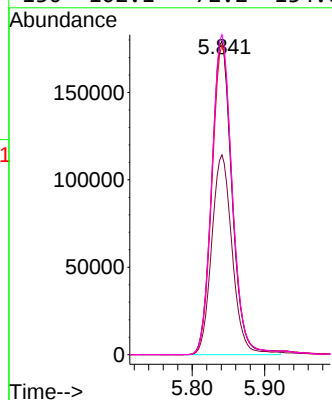
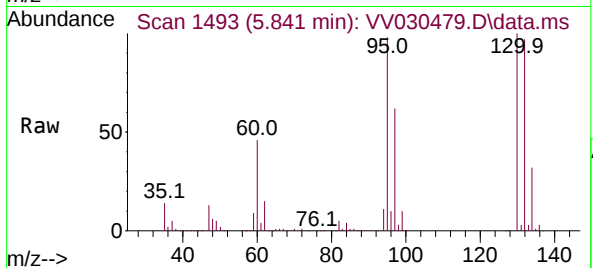
Ion Ratio Lower Upper

95 100

97 63.7 44.2 82.2

132 98.9 69.5 129.1

130 102.1 72.2 134.0



#37

1,2-Dichloropropane

Concen: 0.061 ug/L

RT: 6.105 min Scan# 1575

Delta R.T. 0.003 min

Lab File: VV030479.D

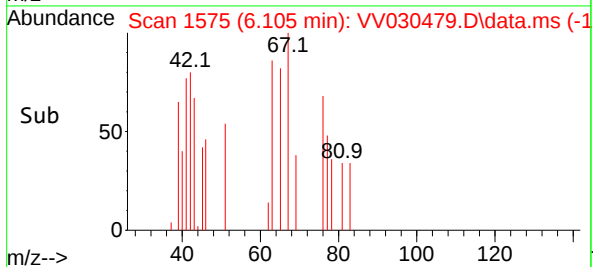
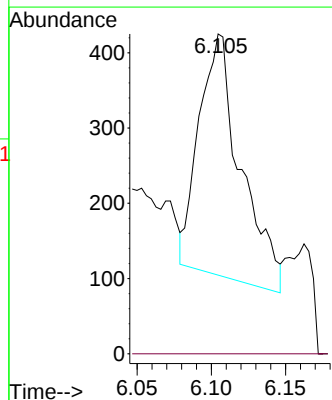
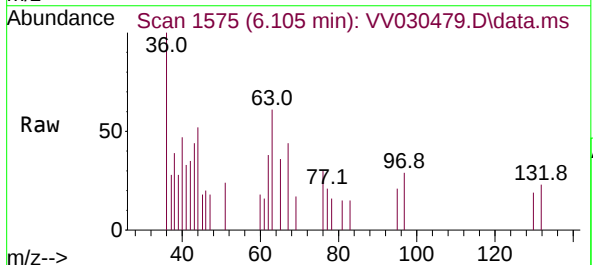
Acq: 10 Apr 2023 19:51

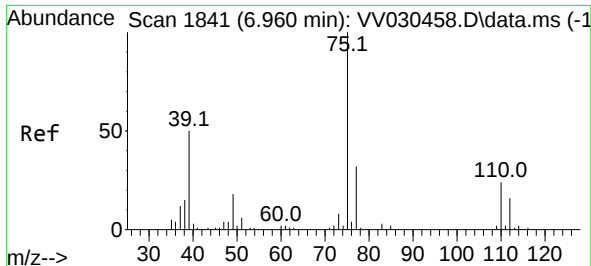
Tgt Ion: 63 Resp: 623

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#





#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 6.924 min Scan# 1830

Delta R.T. -0.035 min

Lab File: VV030479.D

Acq: 10 Apr 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

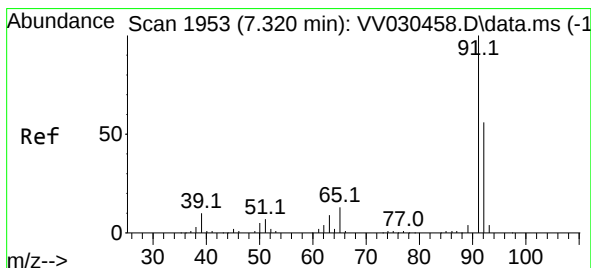
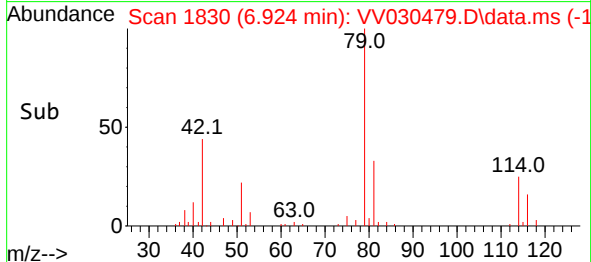
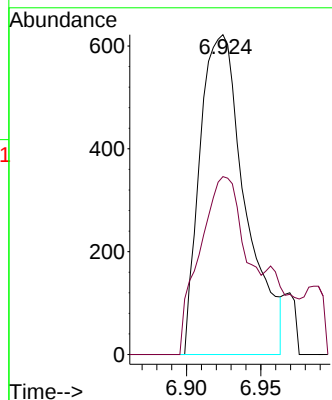
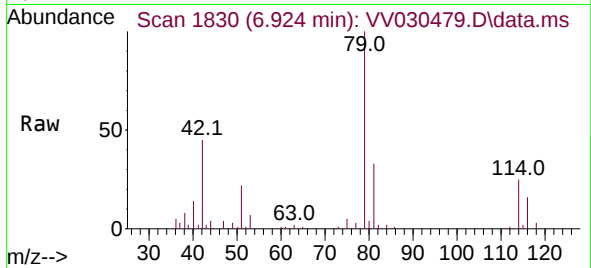
C0AC6

Tgt Ion: 75 Resp: 1320

Ion Ratio Lower Upper

75 100

77 55.6 22.0 41.0#



#42

Toluene

Concen: 0.260 ug/L

RT: 7.326 min Scan# 1955

Delta R.T. 0.006 min

Lab File: VV030479.D

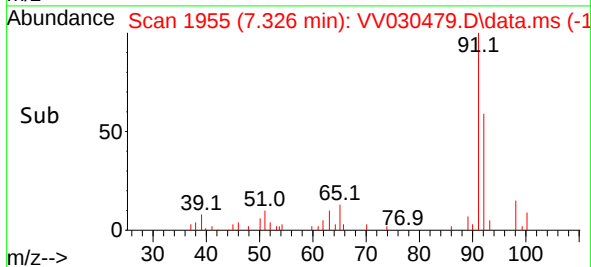
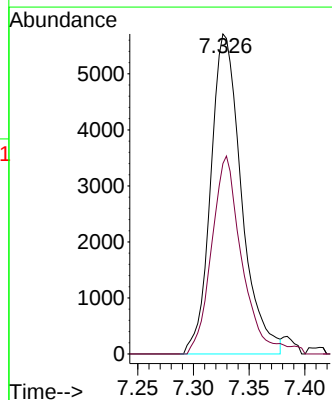
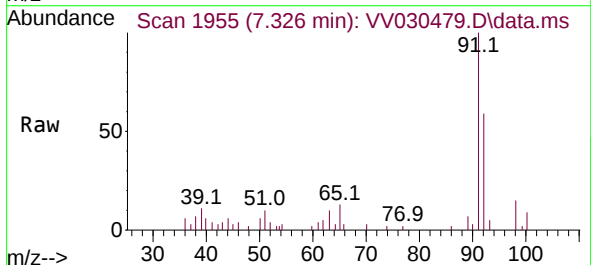
Acq: 10 Apr 2023 19:51

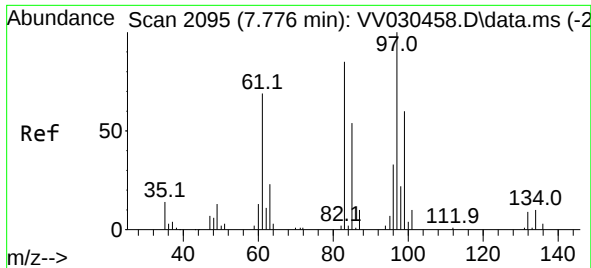
Tgt Ion: 91 Resp: 10968

Ion Ratio Lower Upper

91 100

92 59.5 40.4 75.0

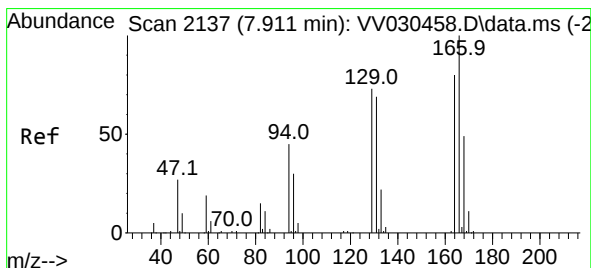
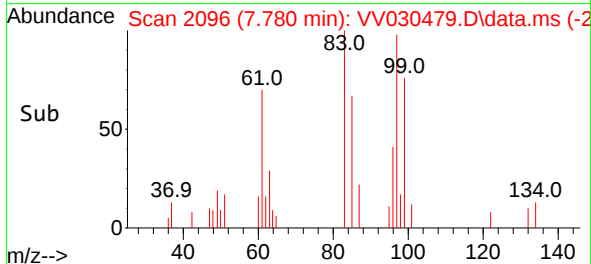
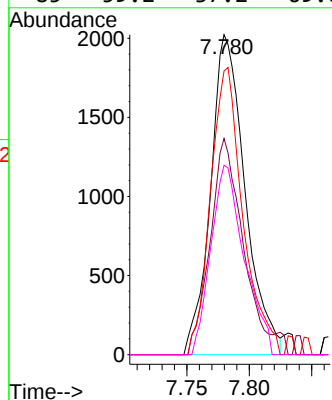
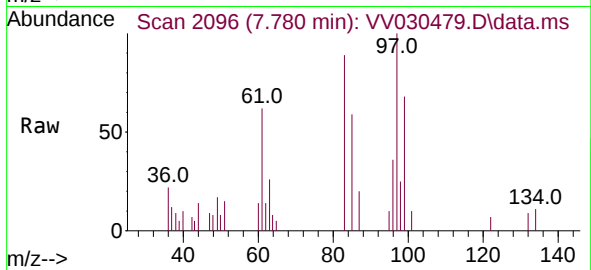




#45
1,1,2-Trichloroethane
Concen: 0.543 ug/L
RT: 7.780 min Scan# 2095
Delta R.T. 0.003 min
Lab File: VV030479.D
Acq: 10 Apr 2023 19:51

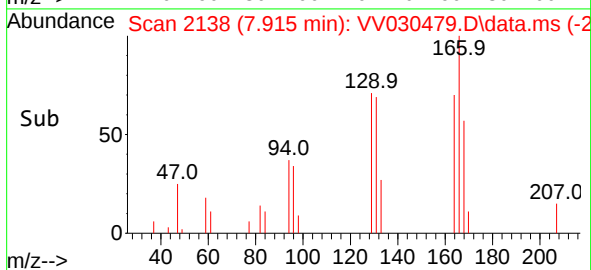
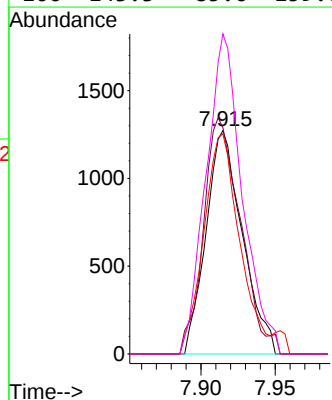
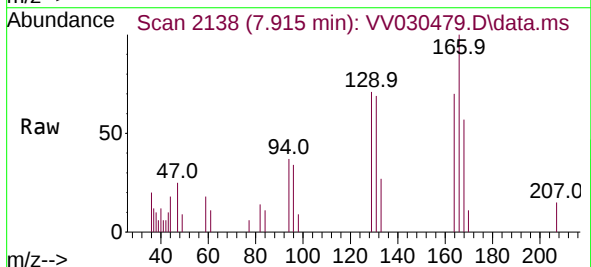
Instrument :
MSVOA_V
ClientSampleId :
C0AC6

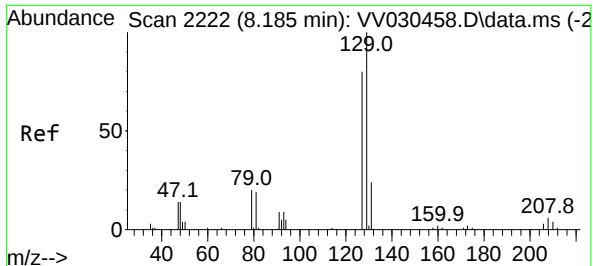
Tgt Ion: 97	Resp: 3888
Ion Ratio	Lower Upper
97 100	
99 67.5	44.0 81.8
83 88.6	58.8 109.2
85 59.2	37.2 69.0



#47
Tetrachloroethene
Concen: 0.229 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030479.D
Acq: 10 Apr 2023 19:51

Tgt Ion:164	Resp: 2160
Ion Ratio	Lower Upper
164 100	
129 101.3	60.8 112.8
131 98.6	61.7 114.7
166 143.3	85.6 159.0





#49

Dibromochloromethane

Concen: 0.266 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. -0.273 min

Lab File: VV030479.D

Acq: 10 Apr 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

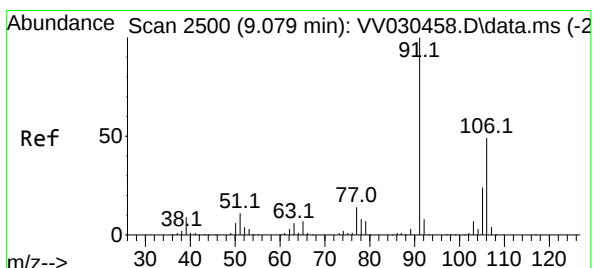
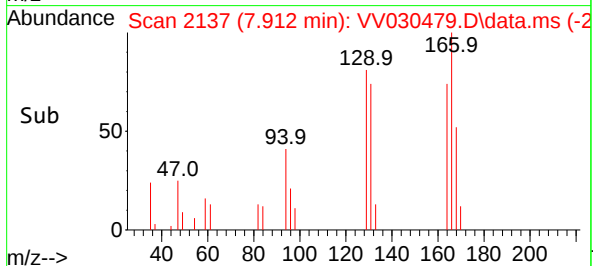
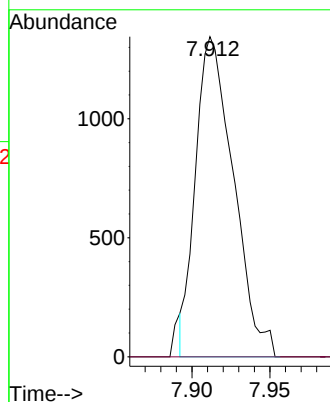
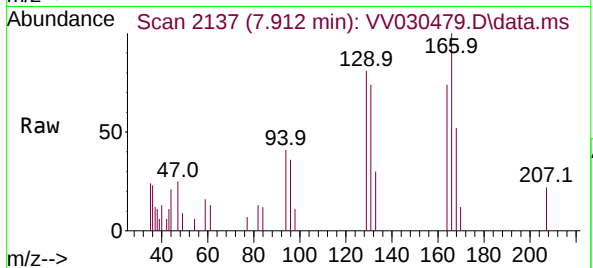
C0AC6

Tgt Ion:129 Resp: 2267

Ion Ratio Lower Upper

129 100

127 0.0 52.7 97.9#



#53

m,p-Xylene

Concen: 0.085 ug/L

RT: 9.085 min Scan# 2502

Delta R.T. 0.006 min

Lab File: VV030479.D

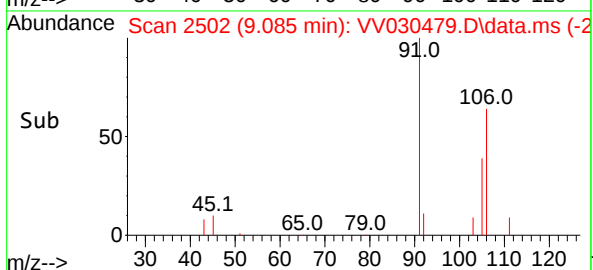
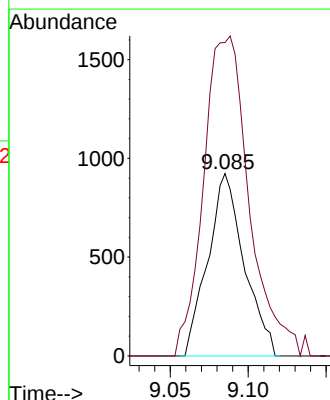
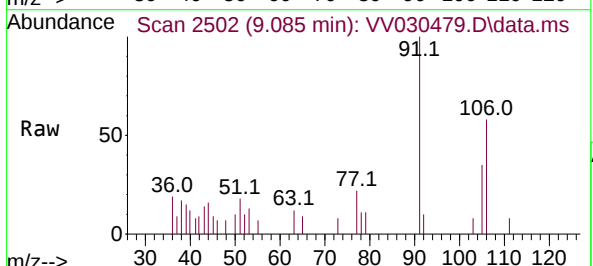
Acq: 10 Apr 2023 19:51

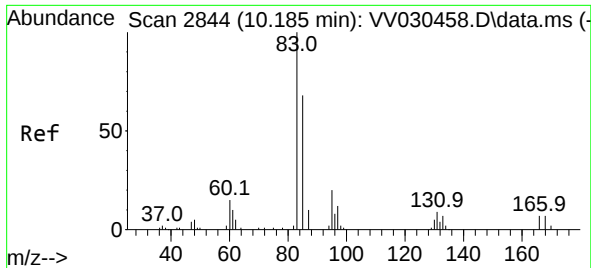
Tgt Ion:106 Resp: 1496

Ion Ratio Lower Upper

106 100

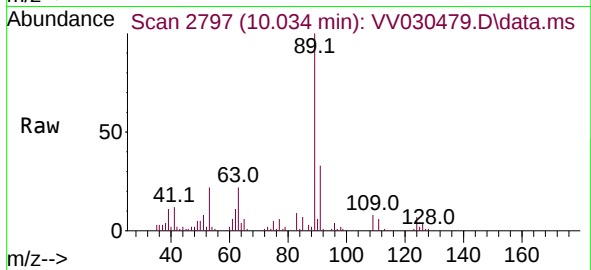
91 171.9 142.4 264.4





#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.360 ug/L
 RT: 10.034 min Scan# 21
 Delta R.T. -0.151 min
 Lab File: VV030479.D
 Acq: 10 Apr 2023 19:51

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AC6



Tgt Ion: 83	Resp:	3063
Ion	Ratio	Lower Upper
83	100	
85	73.9	45.3 84.1
131	0.0	8.2 12.4#

