

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						
5) Vinyl chloride	1.285	62	90733	6.770	ug/L	99
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
19) 1,1-Dichloroethane	3.114	63	21884361m	1119.079	ug/L	
21) 2-Butanone	3.925	43	20135m	8.528	ug/L	
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
29) 1,1,1-Trichloroethane	4.523	97	31255309m	1744.178	ug/L	
33) Benzene	5.027	78	4829	0.122	ug/L	100
34) Trichloroethene	5.841	95	350008	32.772	ug/L	99
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
47) Tetrachloroethene	7.915	164	2160	0.229	ug/L	84
53) m,p-Xylene	9.085	106	1496	0.085	ug/L	79

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Apr 11 06:24:59 2023
Response via : Initial Calibration

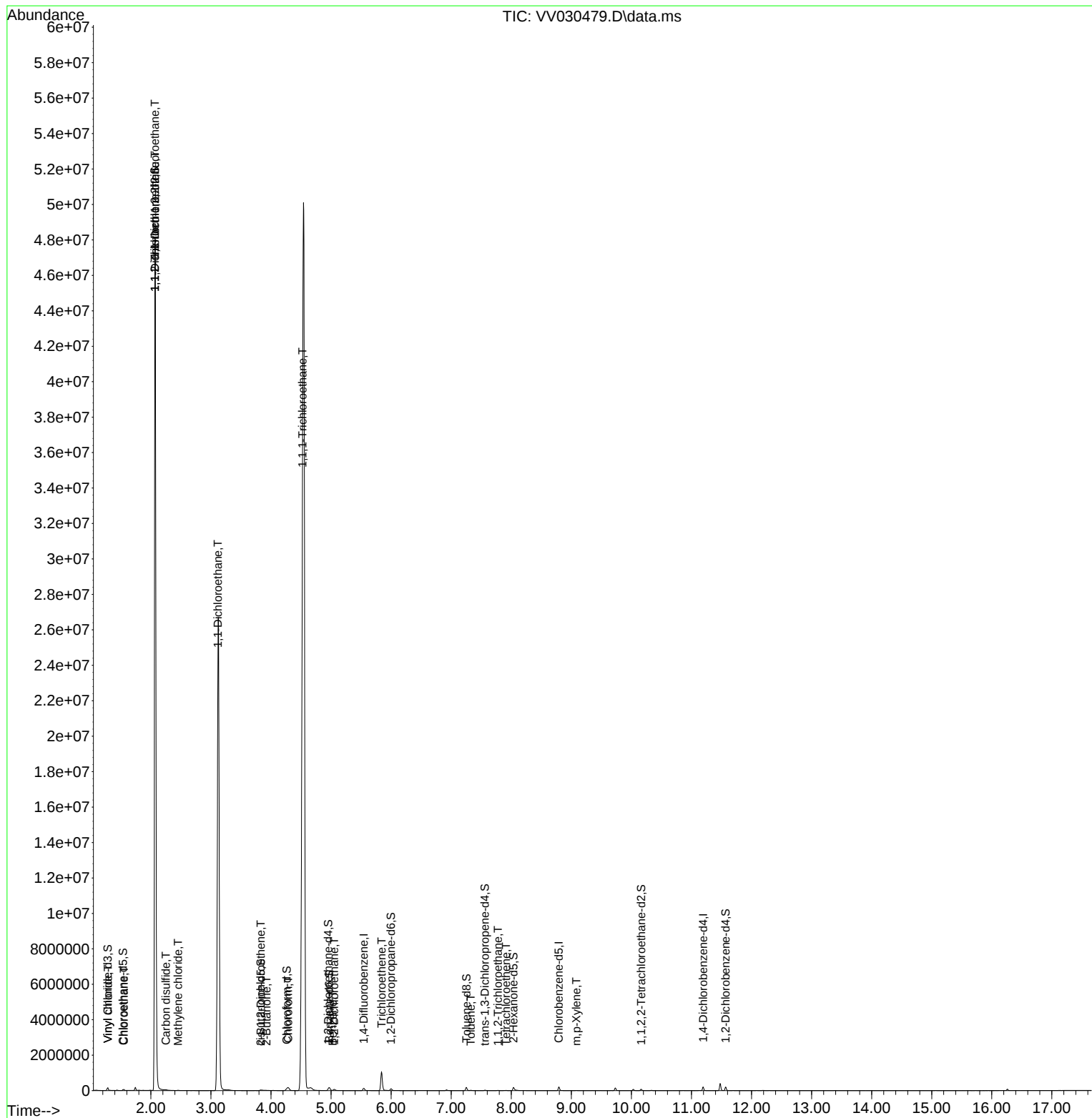
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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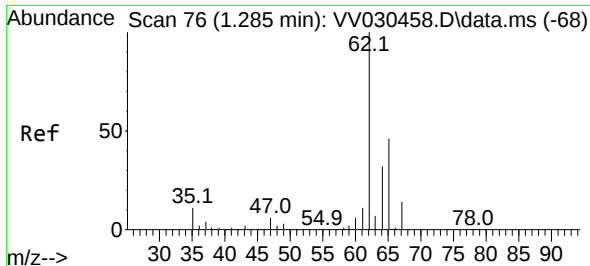
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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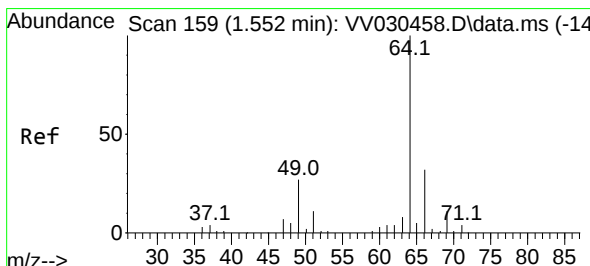
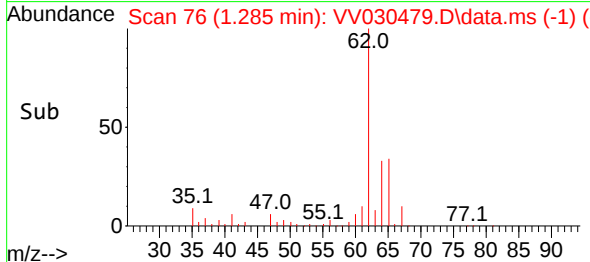
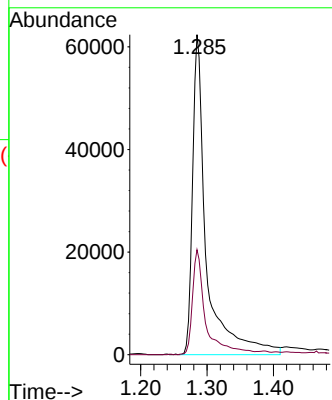
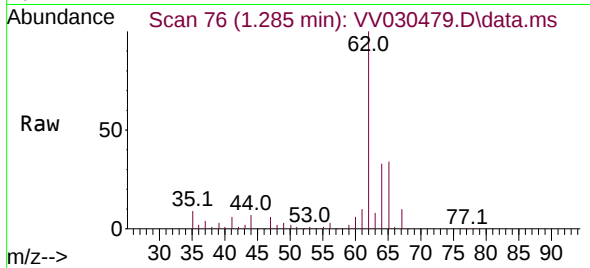




#5
 Vinyl chloride
 Concen: 6.770 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV030479.D
 Acq: 10 Apr 2023 19:51

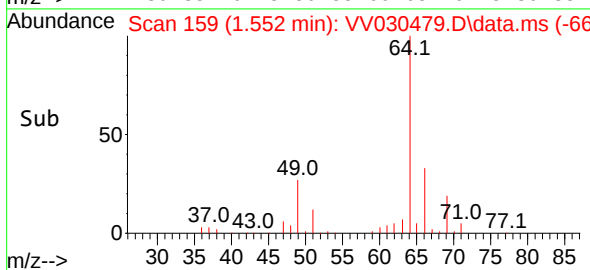
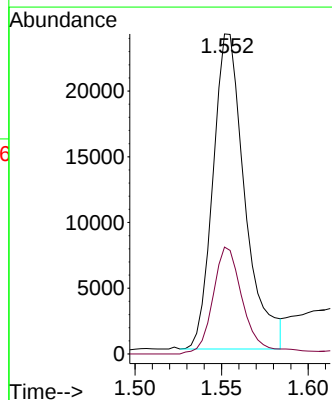
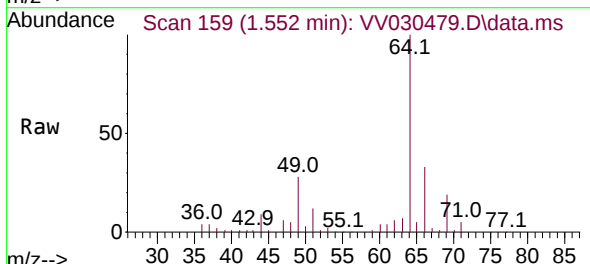
Instrument :
 MSVOA_V
 ClientSampleId :
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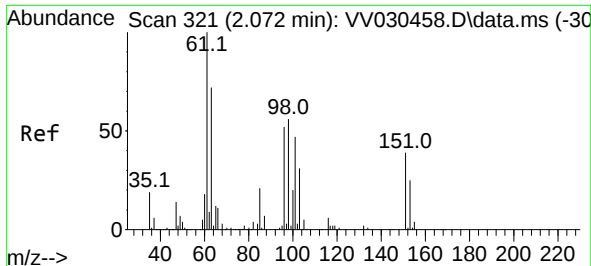
Tgt Ion: 62 Resp: 90733
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.2 43.2



#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

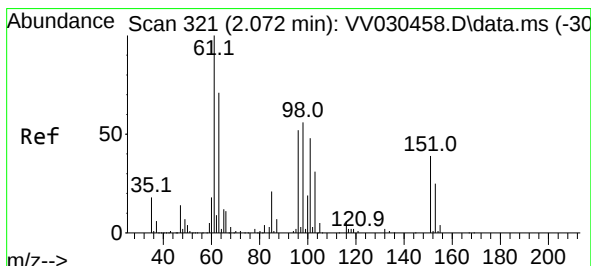
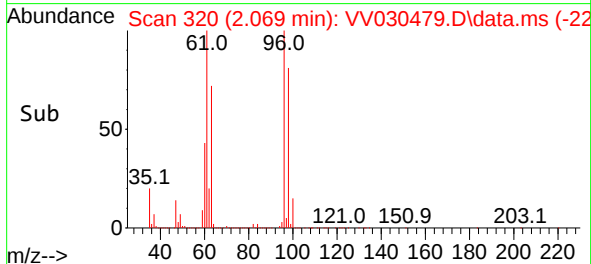
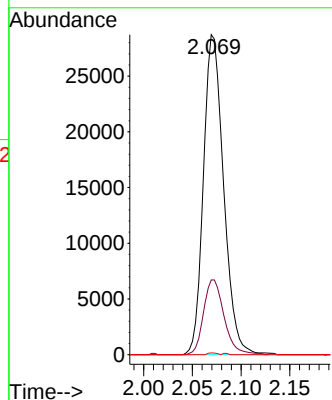
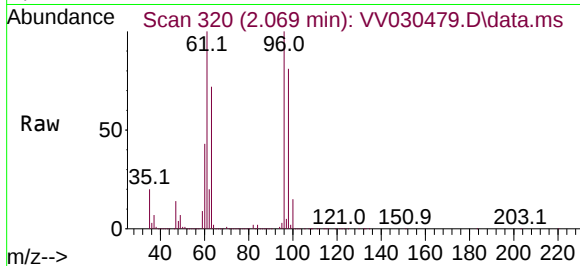




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.843 ug/L
RT: 2.069 min Scan# 319
Delta R.T. -0.003 min
Lab File: VV030479.D
Acq: 10 Apr 2023 19:51

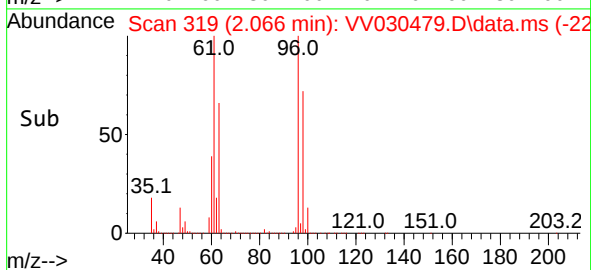
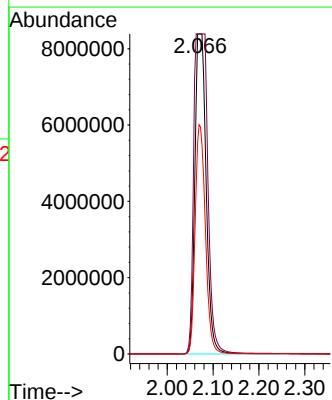
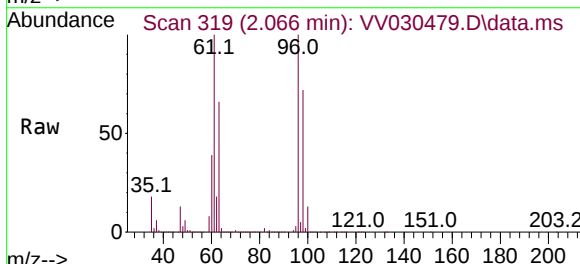
Instrument :
MSVOA_V
ClientSampleId :
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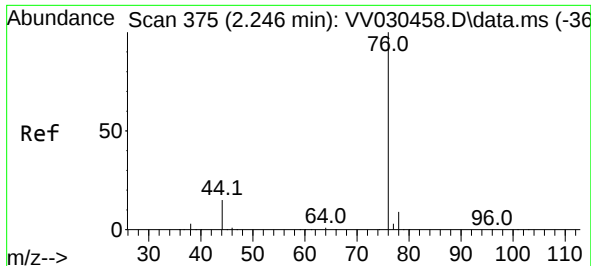
Tgt Ion:101 Resp: 41437
Ion Ratio Lower Upper
101 100
85 23.8 38.1 57.1#
151 0.3 62.7 94.1#



#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#

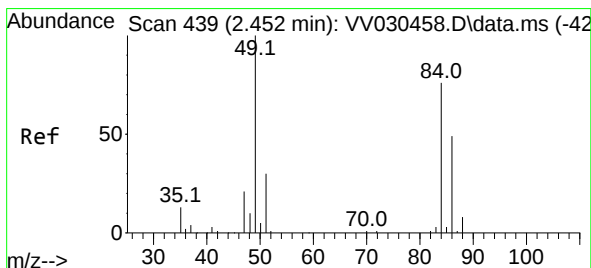
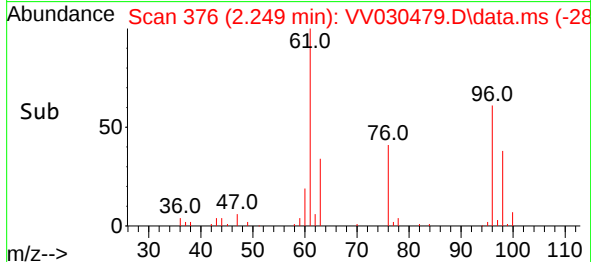
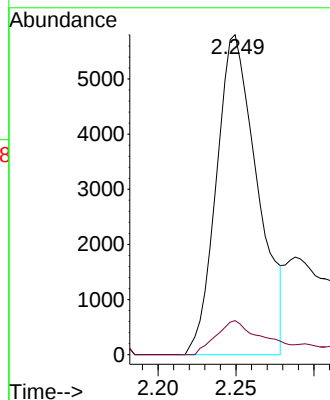
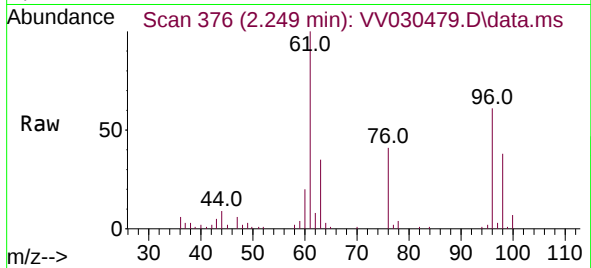




#14
Carbon disulfide
Concen: 0.338 ug/L
RT: 2.249 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030479.D
Acq: 10 Apr 2023 19:51

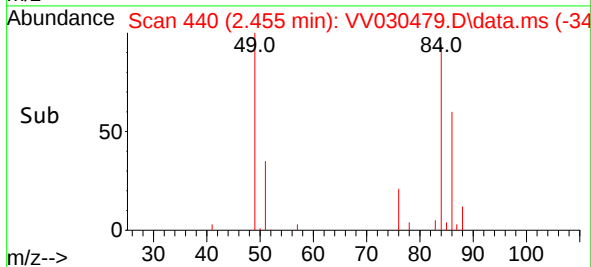
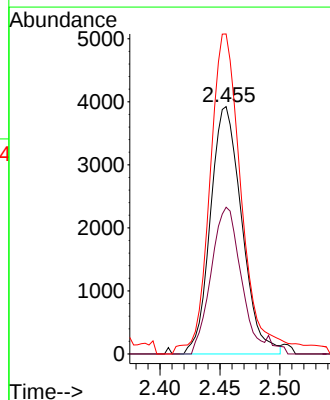
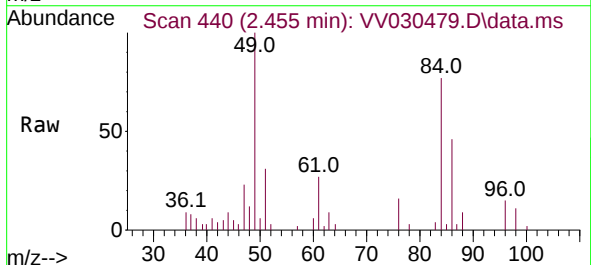
Instrument :
MSVOA_V
ClientSampleId :
C0AC6

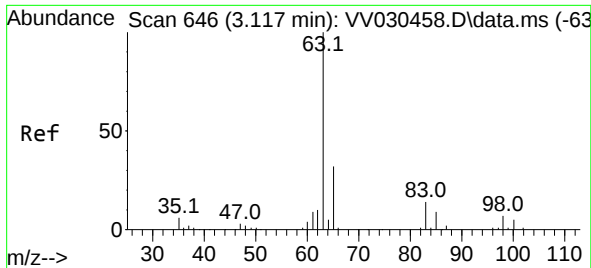
Tgt Ion: 76 Resp: 10650
Ion Ratio Lower Upper
76 100
78 10.6 7.3 10.9



#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





#19

1,1-Dichloroethane

Concen: 1119.079 ug/L m

RT: 3.114 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV030479.D

Acq: 10 Apr 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

C0AC6

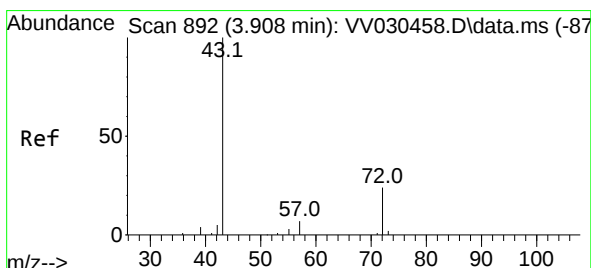
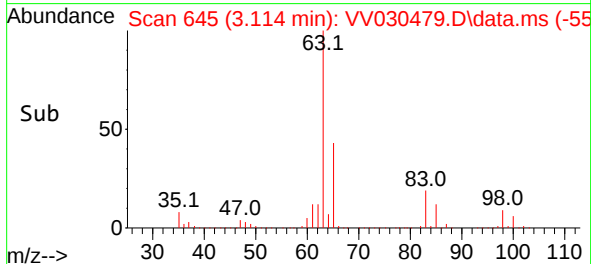
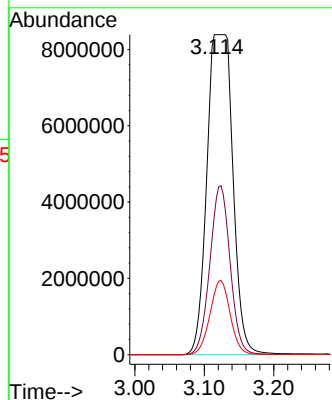
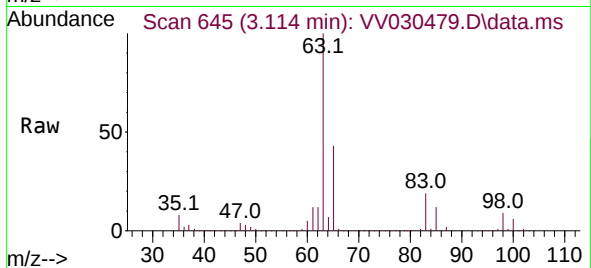
Tgt Ion: 63 Resp:21884361

Ion Ratio Lower Upper

63 100

65 43.4 21.7 40.3#

83 18.9 9.1 16.9#



#21

2-Butanone

Concen: 8.528 ug/L m

RT: 3.925 min Scan# 897

Delta R.T. 0.016 min

Lab File: VV030479.D

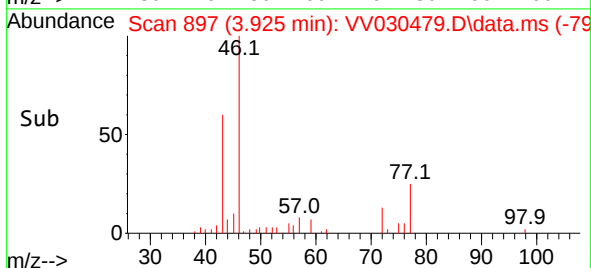
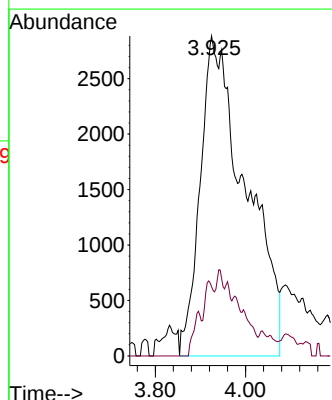
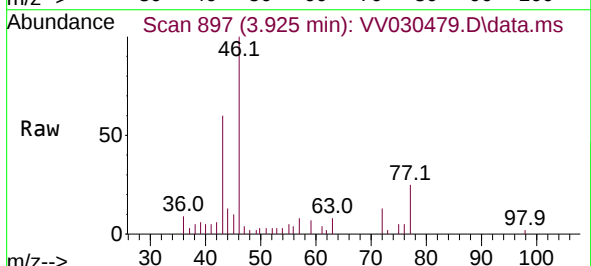
Acq: 10 Apr 2023 19:51

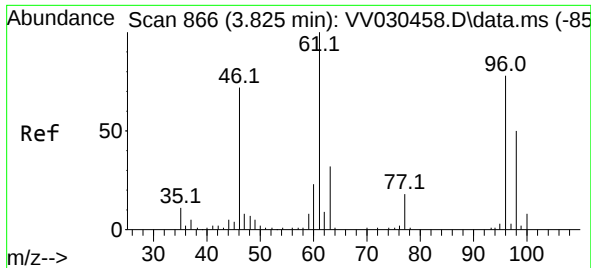
Tgt Ion: 43 Resp: 20135

Ion Ratio Lower Upper

43 100

72 2.5 11.2 33.5#

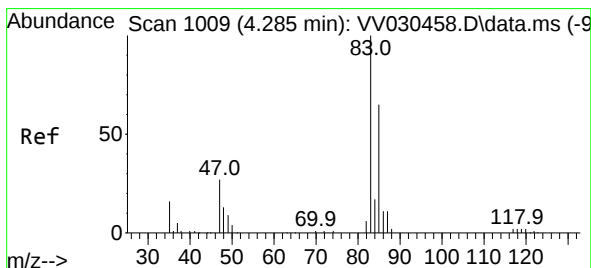
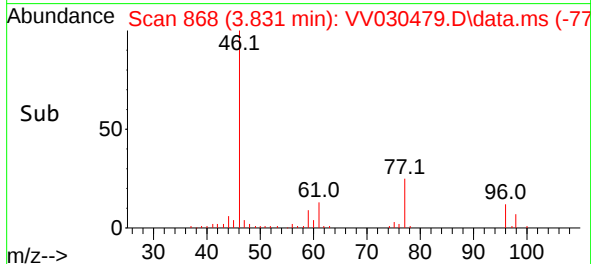
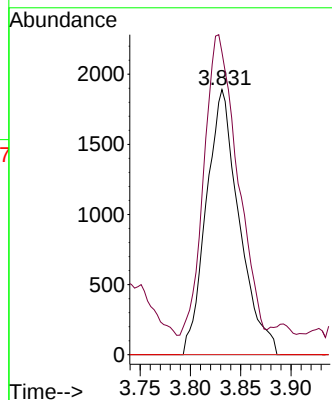
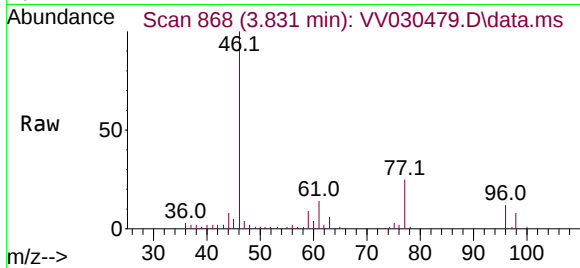




#22
 cis-1,2-Dichloroethene
 Concen: 0.426 ug/L
 RT: 3.831 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VV030479.D
 Acq: 10 Apr 2023 19:51

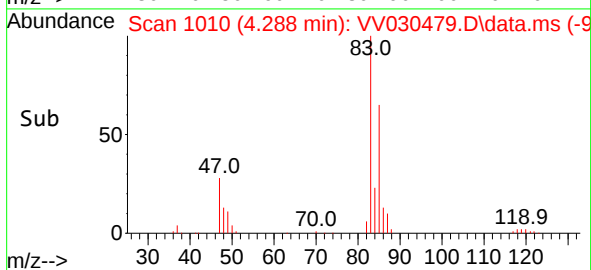
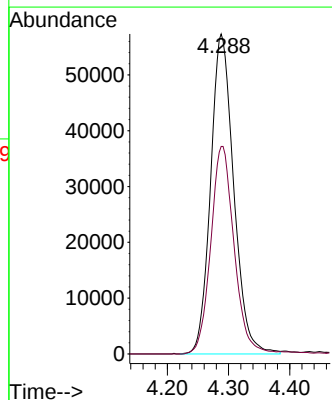
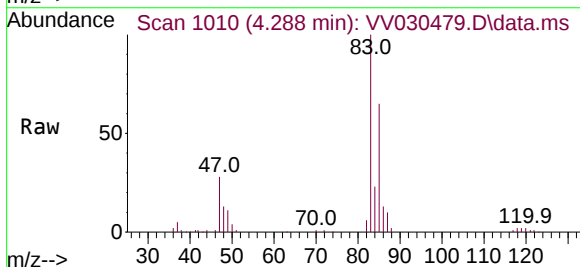
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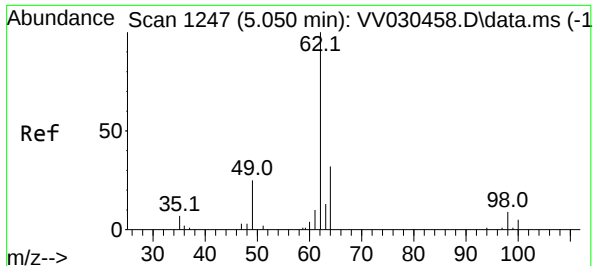
Tgt Ion: 96 Resp: 4313
 Ion Ratio Lower Upper
 96 100
 61 114.0 92.0 170.8
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 7.626 ug/L
 RT: 4.288 min Scan# 1010
 Delta R.T. 0.003 min
 Lab File: VV030479.D
 Acq: 10 Apr 2023 19:51

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# 11

Delta R.T. 0.003 min

Lab File: VV030479.D

Acq: 10 Apr 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

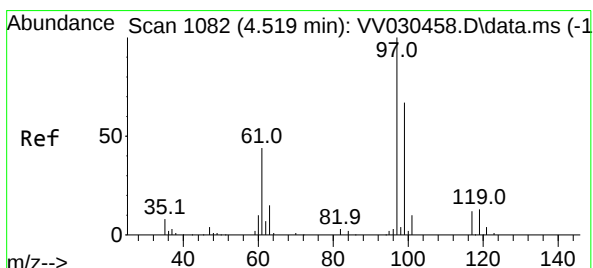
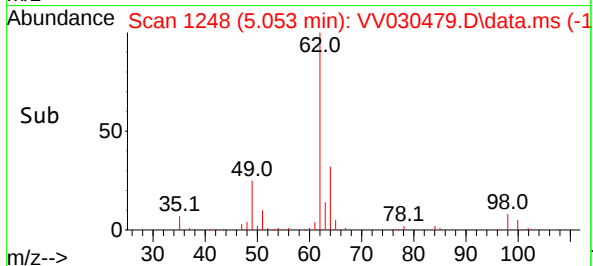
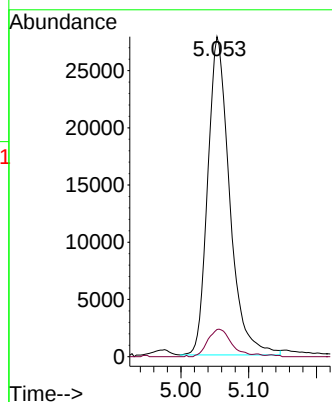
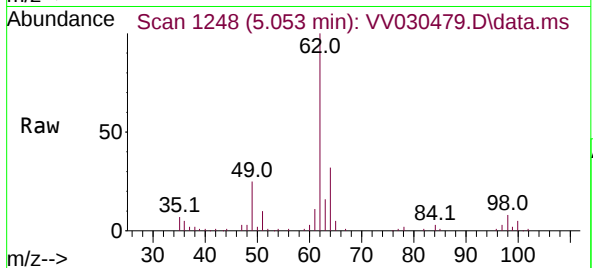
C0AC6

Tgt Ion: 62 Resp: 62382

Ion Ratio Lower Upper

62 100

98 8.5 7.8 11.8



#29

1,1,1-Trichloroethane

Concen: 1744.178 ug/L m

RT: 4.523 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV030479.D

Acq: 10 Apr 2023 19:51

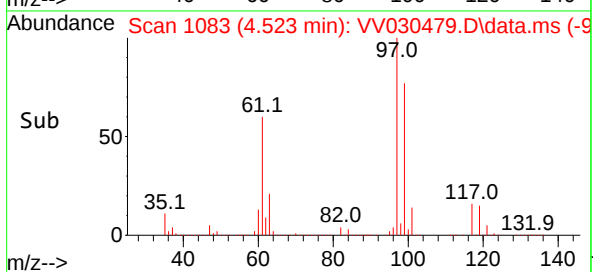
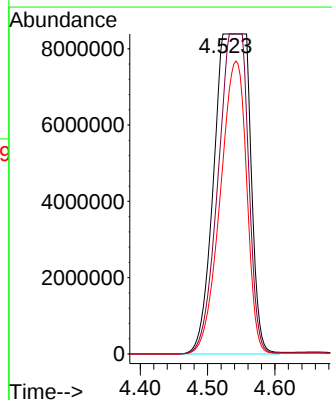
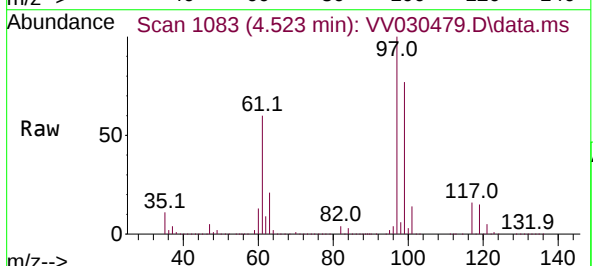
Tgt Ion: 97 Resp: 31255309

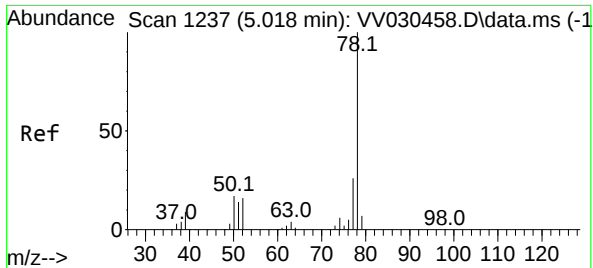
Ion Ratio Lower Upper

97 100

99 0.0 50.9 76.3#

61 0.0 35.9 53.9#

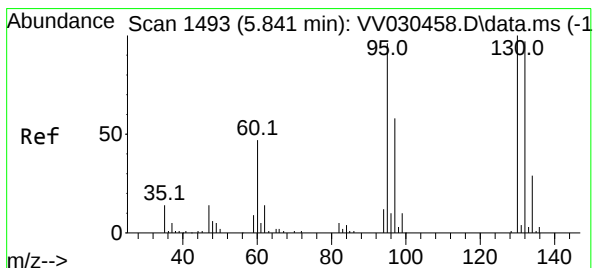
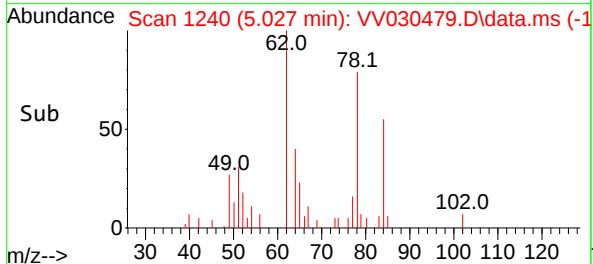
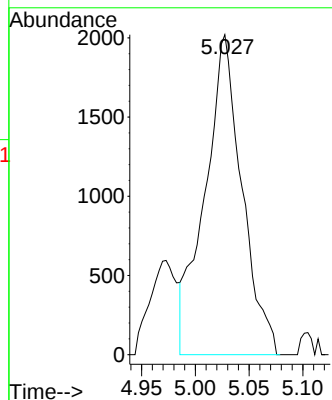
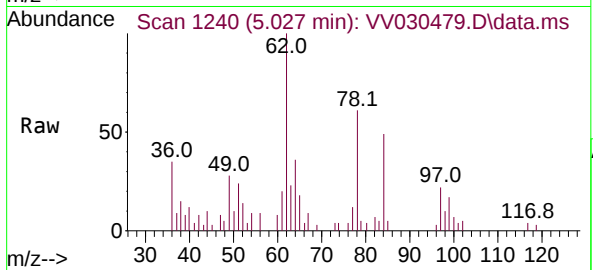




#33
Benzene
Concen: 0.122 ug/L
RT: 5.027 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV030479.D
Acq: 10 Apr 2023 19:51

Instrument :
MSVOA_V
ClientSampleId :
C0AC6

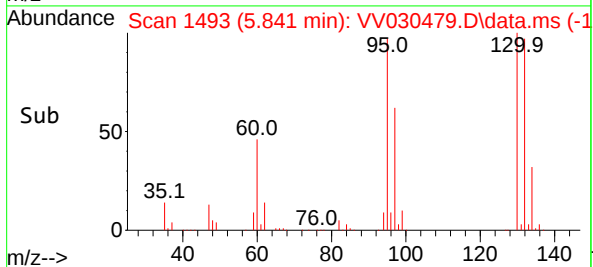
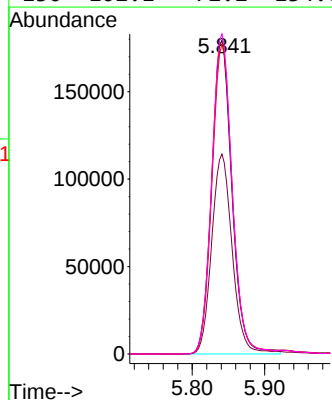
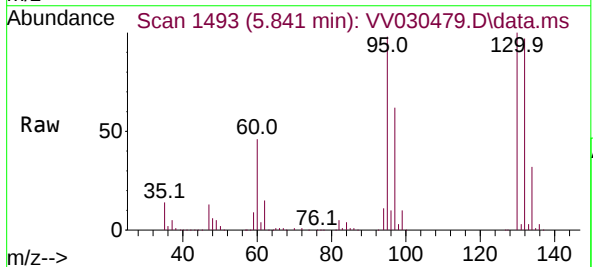
Tgt Ion: 78 Resp: 4829

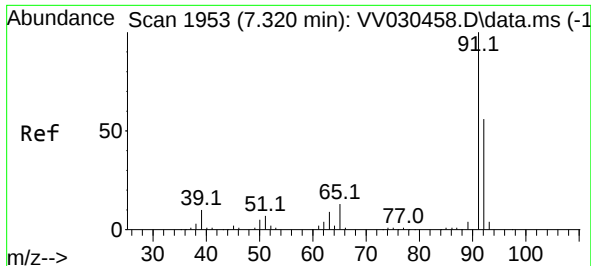


#34
Trichloroethene
Concen: 32.772 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV030479.D
Acq: 10 Apr 2023 19:51

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

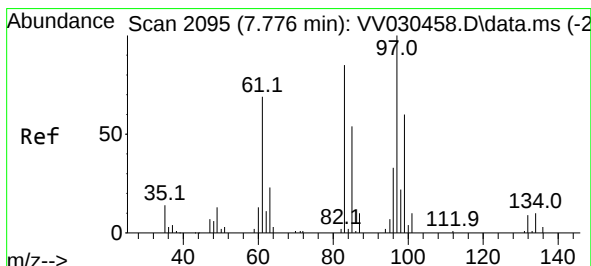
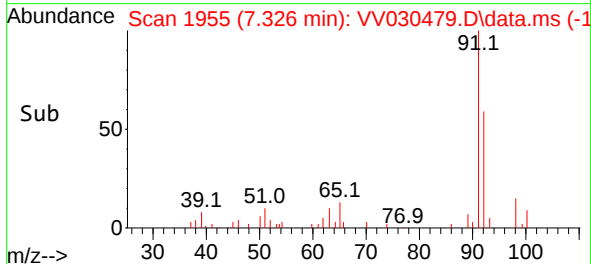
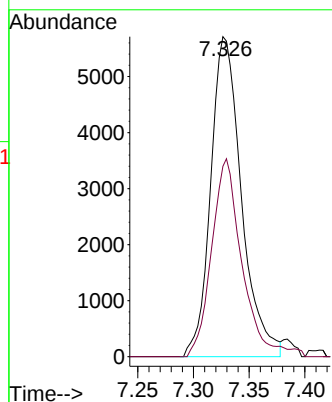
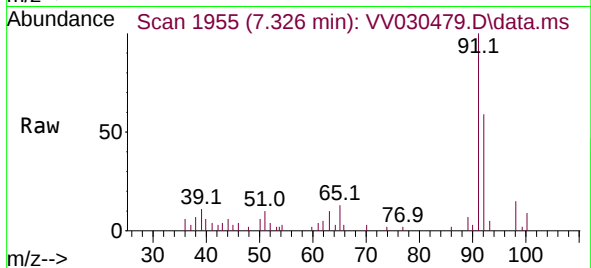




#42
Toluene
Concen: 0.260 ug/L
RT: 7.326 min Scan# 1953
Delta R.T. 0.006 min
Lab File: VV030479.D
Acq: 10 Apr 2023 19:51

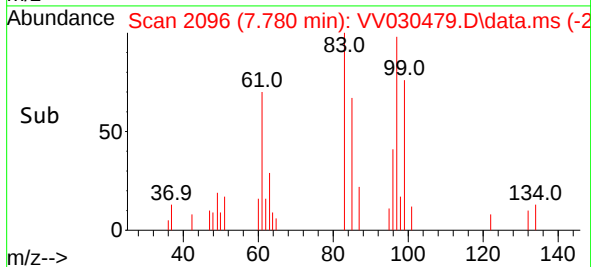
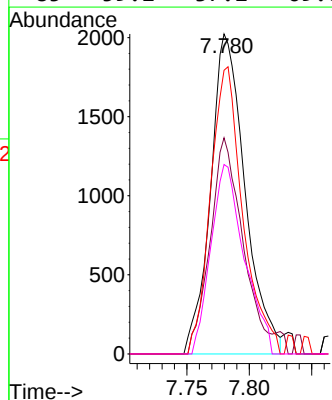
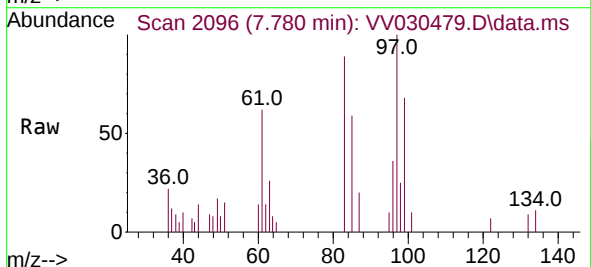
Instrument :
MSVOA_V
ClientSampleId :
C0AC6

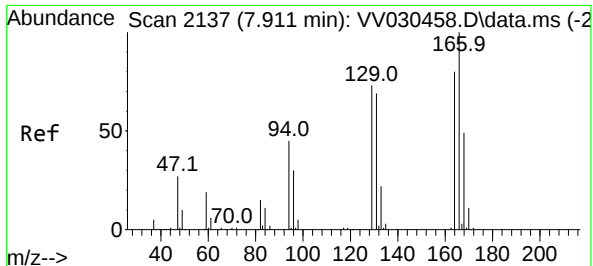
Tgt Ion: 91 Resp: 10968
Ion Ratio Lower Upper
91 100
92 59.5 40.4 75.0



#45
1,1,2-Trichloroethane
Concen: 0.543 ug/L
RT: 7.780 min Scan# 2096
Delta R.T. 0.003 min
Lab File: VV030479.D
Acq: 10 Apr 2023 19:51

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# 2137

Delta R.T. 0.003 min

Lab File: VV030479.D

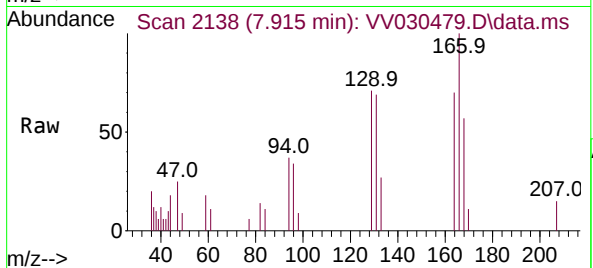
Acq: 10 Apr 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

C0AC6



Tgt Ion:164 Resp: 2160

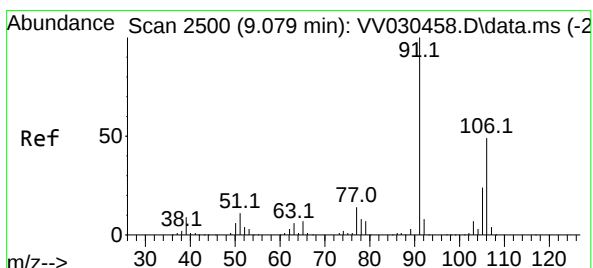
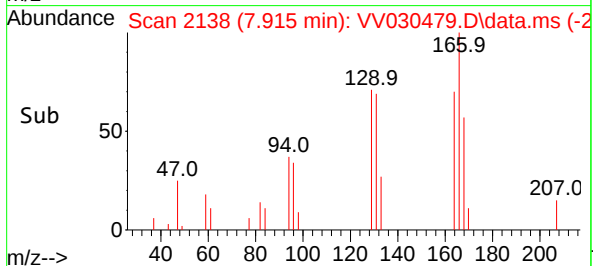
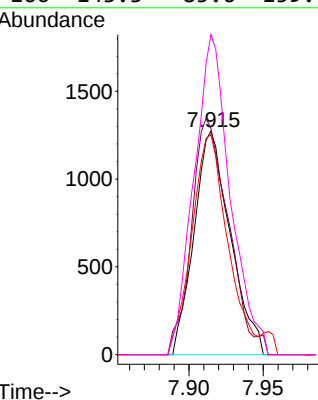
Ion Ratio Lower Upper

164 100

129 101.3 60.8 112.8

131 98.6 61.7 114.7

166 143.3 85.6 159.0



#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

