

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071822\
 Data File : VW026812.D
 Acq On : 18 Jul 2022 15:38
 Operator : SY/MD
 Sample : N3704-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AQ1

Quant Time: Jul 19 03:10:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jul 19 03:06:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	268062	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	260515	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	112855	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	86399	3.533	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.600%
7) Chloroethane-d5	1.561	69	82446	3.902	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.000%
11) 1,1-Dichloroethene-d2	2.102	63	117839	2.510	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.200%#
20) 2-Butanone-d5	3.883	46	213287	55.882	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.760%
24) Chloroform-d	4.346	84	217326	5.082	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
26) 1,2-Dichloroethane-d4	5.031	65	84601	4.529	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
32) Benzene-d6	5.047	84	332342	4.198	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
36) 1,2-Dichloropropane-d6	6.069	67	111843	4.712	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.200%
41) Toluene-d8	7.317	98	249521	3.551	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.000%
43) trans-1,3-Dichloroprop...	7.625	79	31811	4.096	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.000%
46) 2-Hexanone-d5	8.088	63	163693	48.688	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.380%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	86595	4.683	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	100327	5.102	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	3962	0.121	ug/L	95
5) Vinyl chloride	1.307	62	1714	0.051	ug/L #	1
6) Bromomethane	1.520	94	1353	0.068	ug/L	87
13) Acetone	2.169	43	20930	6.518	ug/L #	28
14) Carbon disulfide	2.288	76	5503	0.079	ug/L #	88
15) Methyl Acetate	2.330	43	2347	0.361	ug/L #	50
17) Methyl tert-butyl Ether	2.770	73	2574	0.064	ug/L #	76
22) cis-1,2-Dichloroethene	3.905	96	14792	0.679	ug/L	93
25) Chloroform	4.368	83	782375	18.936	ug/L	99
31) Carbon tetrachloride	4.825	117	1749	0.056	ug/L	95
34) Trichloroethene	5.925	95	6127	0.286	ug/L	98
35) Methylcyclohexane	6.066	83	27351	0.837	ug/L #	20
37) 1,2-Dichloropropane	6.066	63	11629	0.558	ug/L #	85
38) Bromodichloromethane	6.507	83	171599	6.320	ug/L	98
47) Tetrachloroethene	7.973	164	58720	3.498	ug/L	98
49) Dibromochloromethane	8.246	129	74907	4.269	ug/L	98
52) Ethylbenzene	9.018	91	14256	0.164	ug/L	95
59) Bromoform	9.731	173	25188	3.478	ug/L	96
60) Isopropylbenzene	10.924	105	9353	0.133	ug/L #	7

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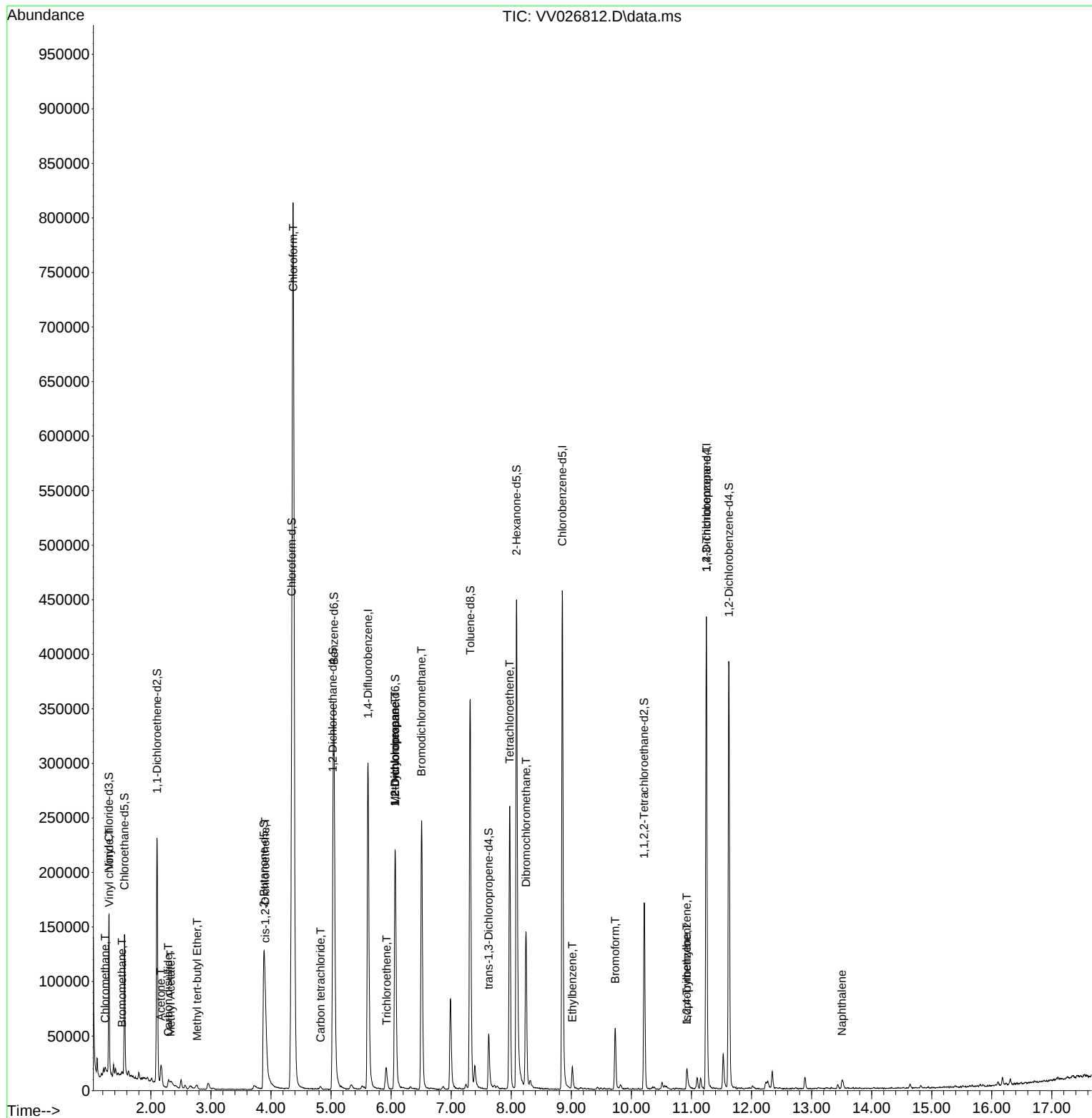
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.249	75	13766	1.323	ug/L #	64
63) 1,2,4-Trimethylbenzene	10.924	105	9353	0.164	ug/L #	35
71) Naphthalene	13.506	128	6009	0.196	ug/L	99

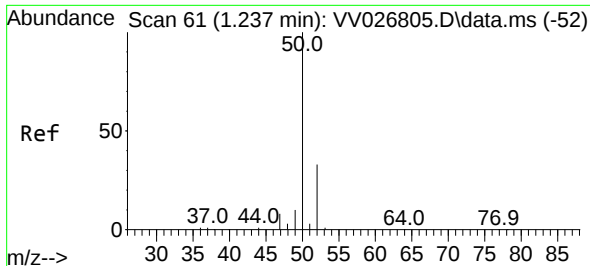
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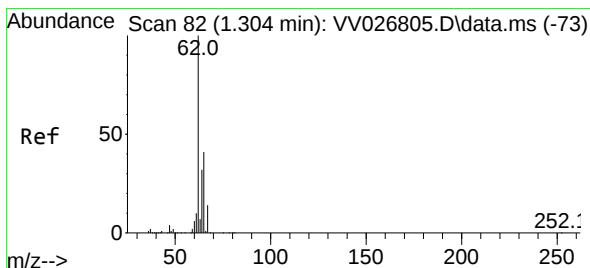
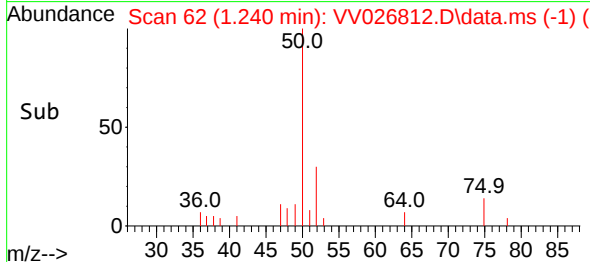
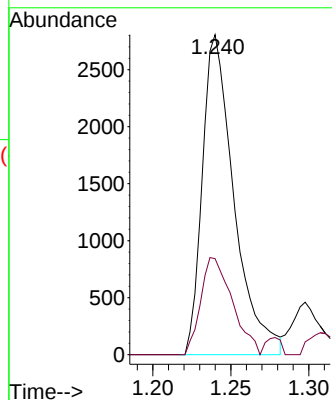
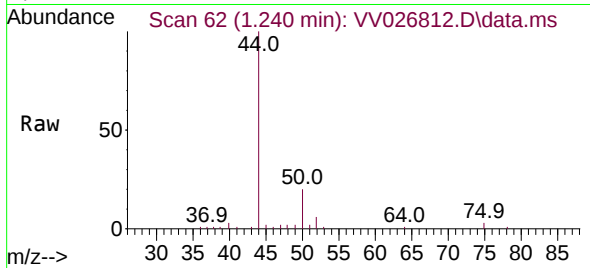




#3
Chloromethane
Concen: 0.121 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV026812.D
Acq: 18 Jul 2022 15:38

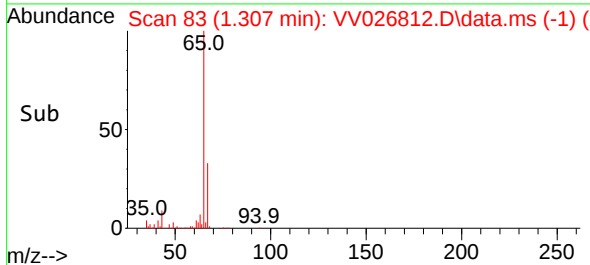
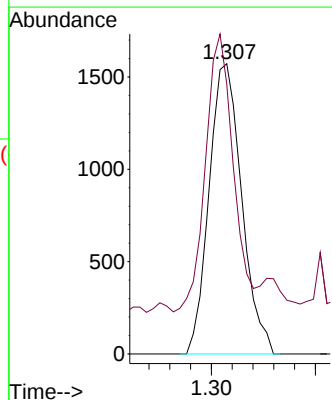
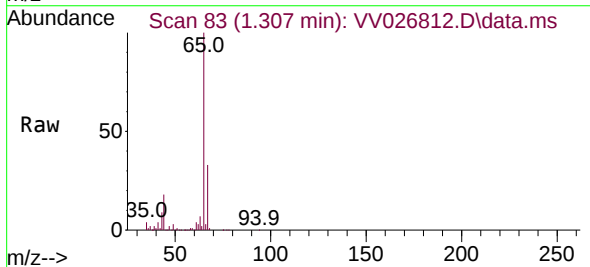
Instrument :
MSVOA_V
ClientSampleId :
C0AQ1

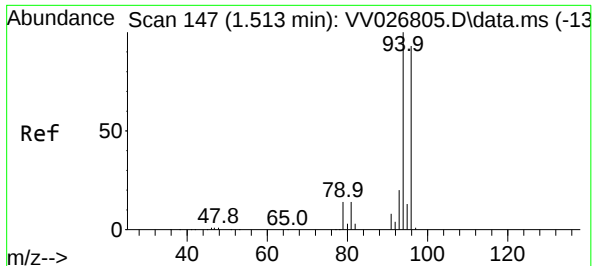
Tgt Ion: 50 Resp: 3962
Ion Ratio Lower Upper
50 100
52 30.0 22.8 42.4



#5
Vinyl chloride
Concen: 0.051 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.003 min
Lab File: VV026812.D
Acq: 18 Jul 2022 15:38

Tgt Ion: 62 Resp: 1714
Ion Ratio Lower Upper
62 100
64 93.0 22.9 42.5#

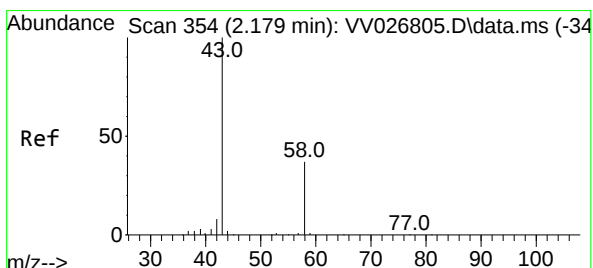
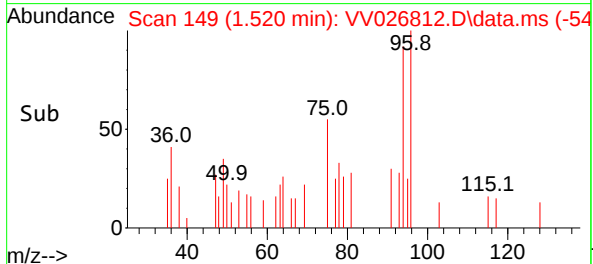
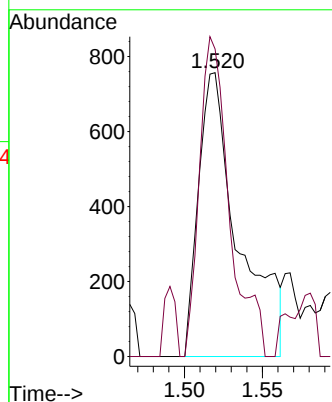
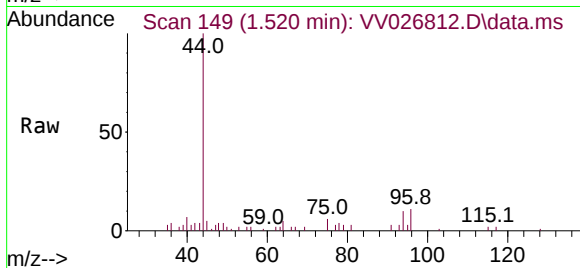




#6
Bromomethane
Concen: 0.068 ug/L
RT: 1.520 min Scan# 14
Delta R.T. 0.006 min
Lab File: VV026812.D
Acq: 18 Jul 2022 15:38

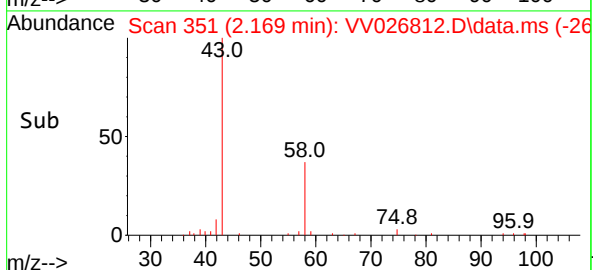
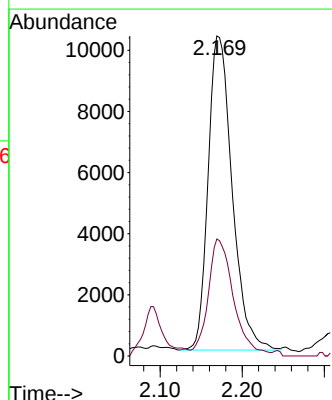
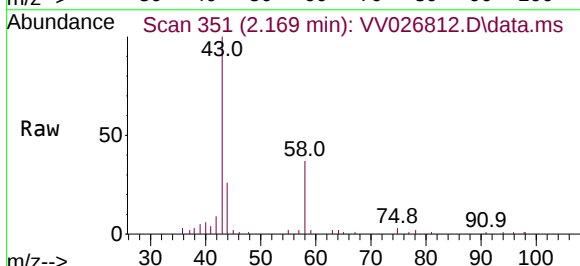
Instrument :
MSVOA_V
ClientSampleId :
C0AQ1

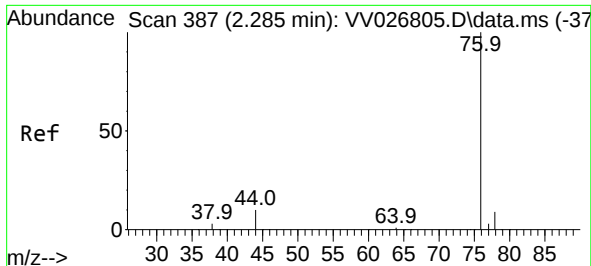
Tgt Ion: 94 Resp: 1353
Ion Ratio Lower Upper
94 100
96 108.3 67.1 124.7



#13
Acetone
Concen: 6.518 ug/L
RT: 2.169 min Scan# 351
Delta R.T. -0.010 min
Lab File: VV026812.D
Acq: 18 Jul 2022 15:38

Tgt Ion: 43 Resp: 20930
Ion Ratio Lower Upper
43 100
58 37.1 0.0 20.6#

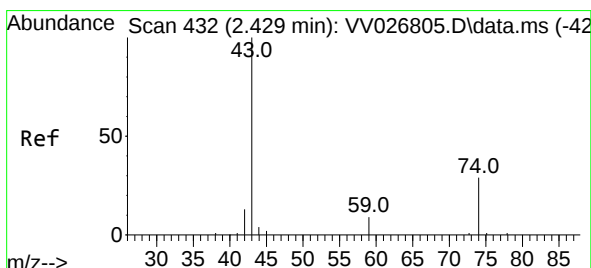
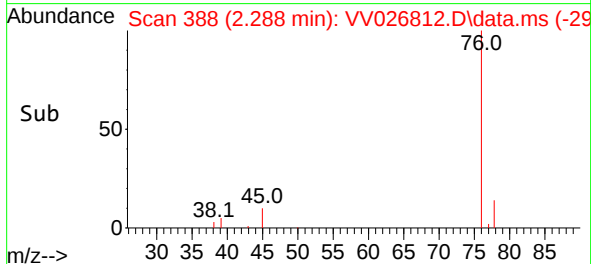
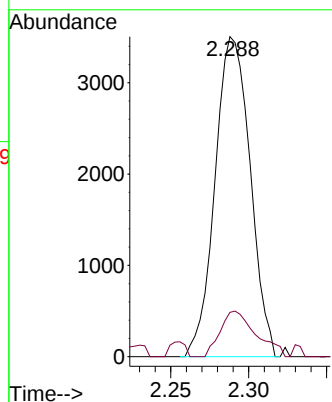
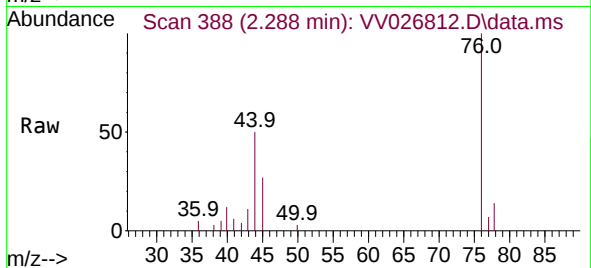




#14
Carbon disulfide
Concen: 0.079 ug/L
RT: 2.288 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV026812.D
Acq: 18 Jul 2022 15:38

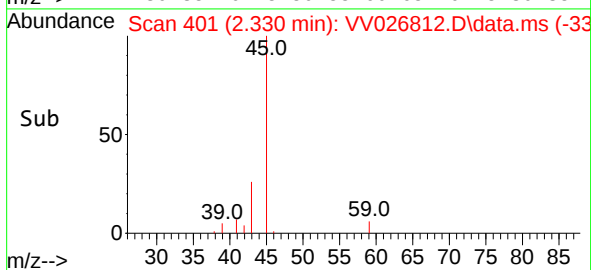
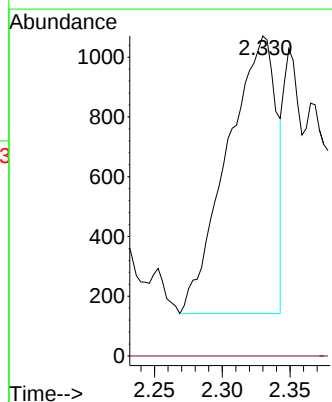
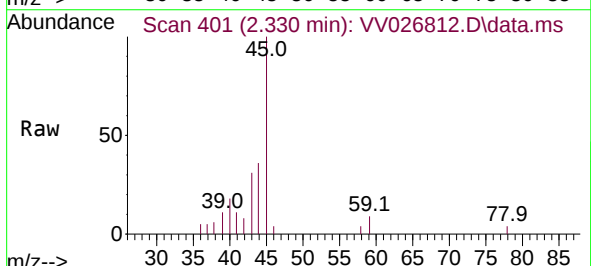
Instrument :
MSVOA_V
ClientSampleId :
C0AQ1

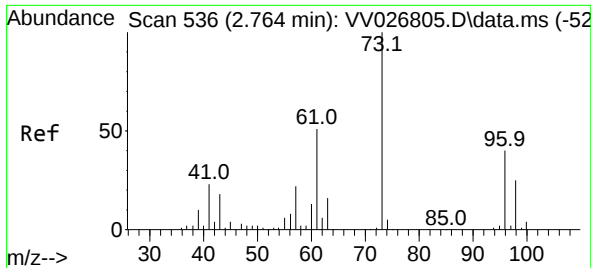
Tgt Ion: 76 Resp: 5503
Ion Ratio Lower Upper
76 100
78 13.8 7.7 11.5#



#15
Methyl Acetate
Concen: 0.361 ug/L
RT: 2.330 min Scan# 401
Delta R.T. -0.100 min
Lab File: VV026812.D
Acq: 18 Jul 2022 15:38

Tgt Ion: 43 Resp: 2347
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#

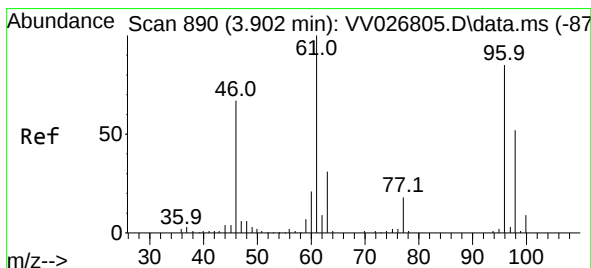
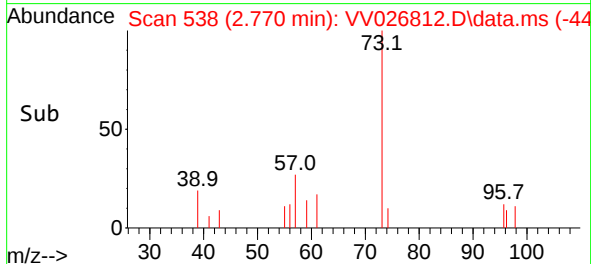
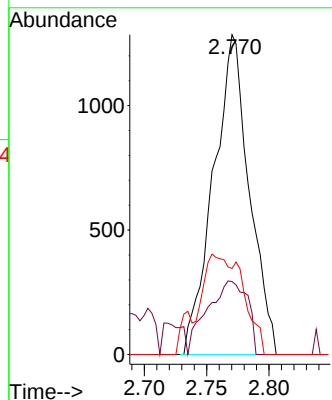
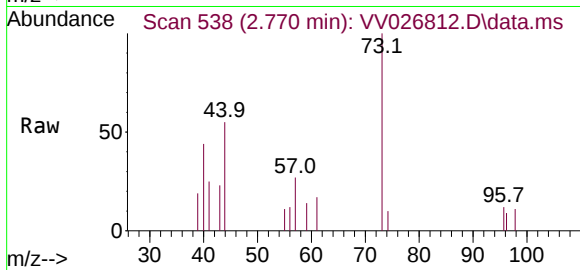




#17
Methyl tert-butyl Ether
Concen: 0.064 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV026812.D
Acq: 18 Jul 2022 15:38

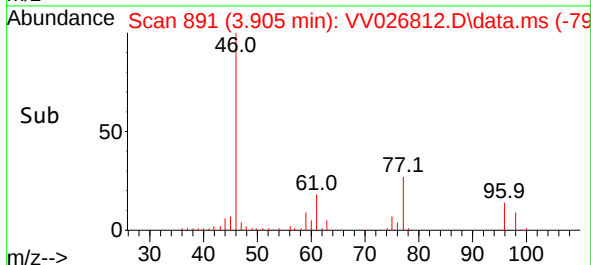
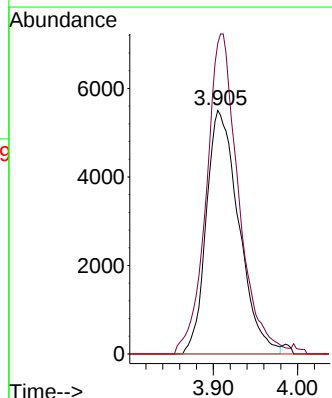
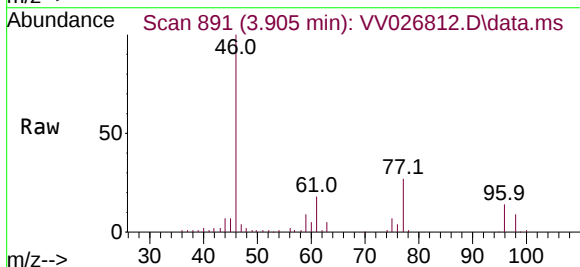
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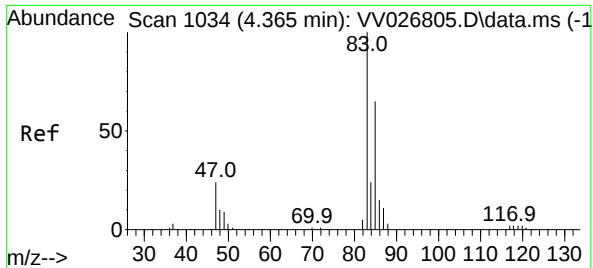
Tgt Ion: 73 Resp: 2574
Ion Ratio Lower Upper
73 100
43 25.6 14.0 21.0#
57 35.7 17.6 26.4#



#22
cis-1,2-Dichloroethene
Concen: 0.679 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.003 min
Lab File: VV026812.D
Acq: 18 Jul 2022 15:38

Tgt Ion: 96 Resp: 14792
Ion Ratio Lower Upper
96 100
61 127.6 83.9 155.9
68 0.0 0.0 0.0





#25

Chloroform

Concen: 18.936 ug/L

RT: 4.368 min Scan# 110

Delta R.T. 0.003 min

Lab File: VV026812.D

Acq: 18 Jul 2022 15:38

Instrument :

MSVOA_V

ClientSampleId :

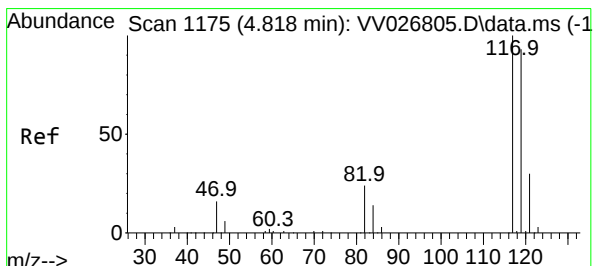
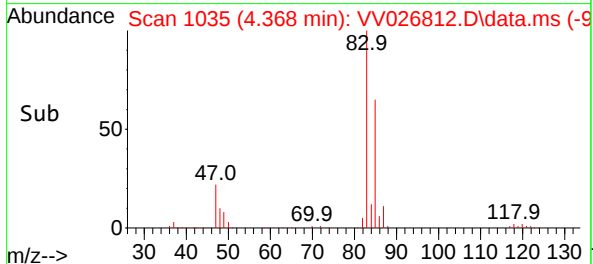
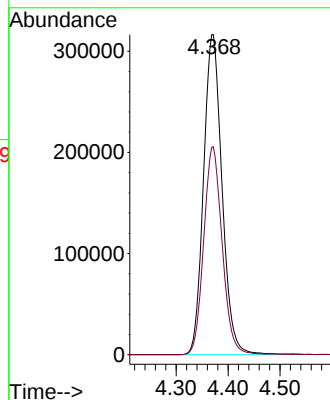
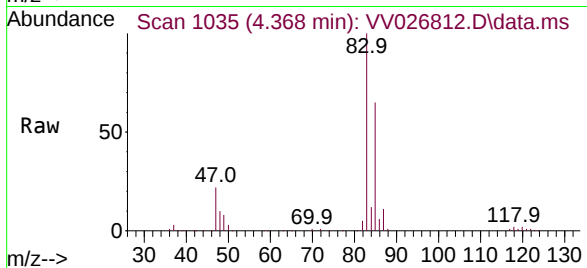
C0AQ1

Tgt Ion: 83 Resp: 782375

Ion Ratio Lower Upper

83 100

85 64.8 45.7 84.9



#31

Carbon tetrachloride

Concen: 0.056 ug/L

RT: 4.825 min Scan# 1177

Delta R.T. 0.006 min

Lab File: VV026812.D

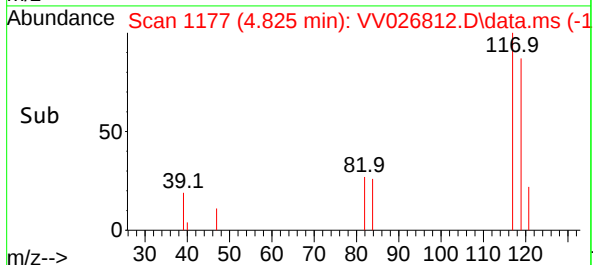
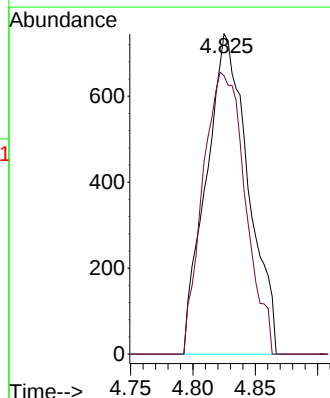
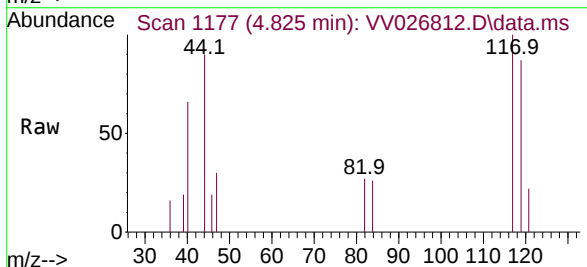
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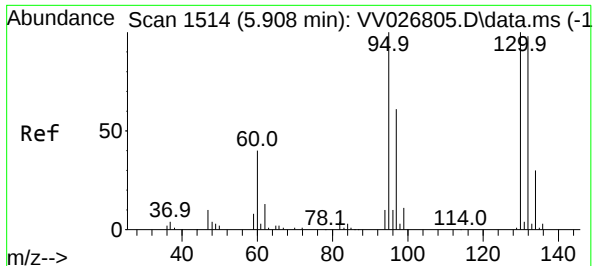
Tgt Ion: 117 Resp: 1749

Ion Ratio Lower Upper

117 100

119 88.6 75.1 112.7



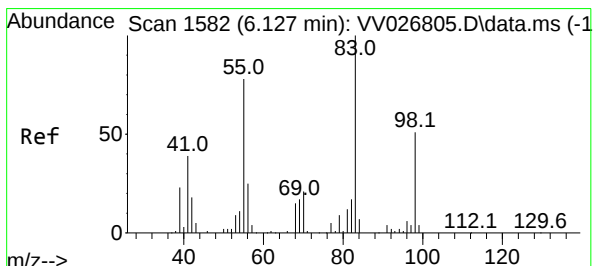
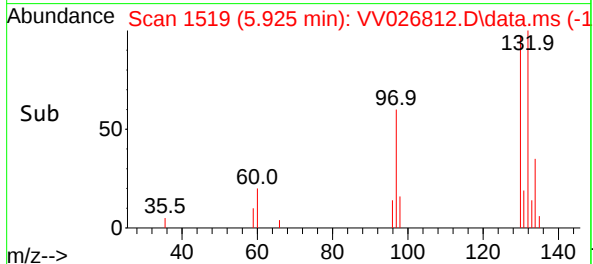
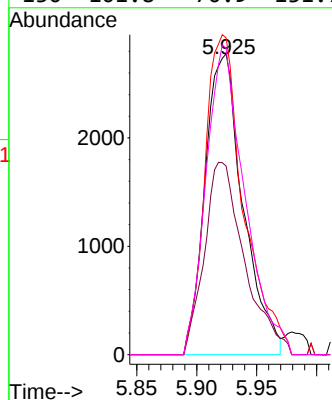
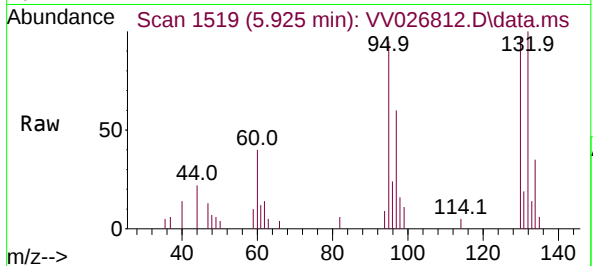


#34
Trichloroethene
Concen: 0.286 ug/L
RT: 5.925 min Scan# 11
Delta R.T. 0.016 min
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Instrument :
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Tgt Ion: 95 Resp: 6127

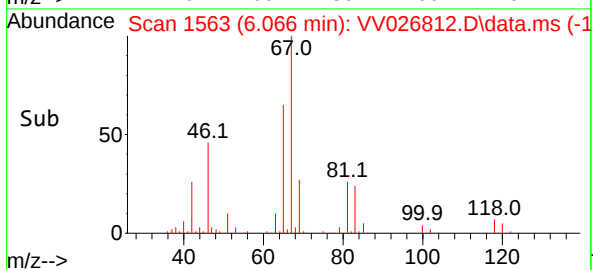
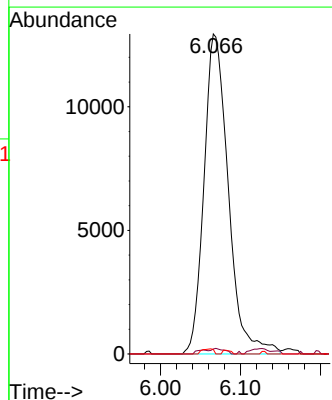
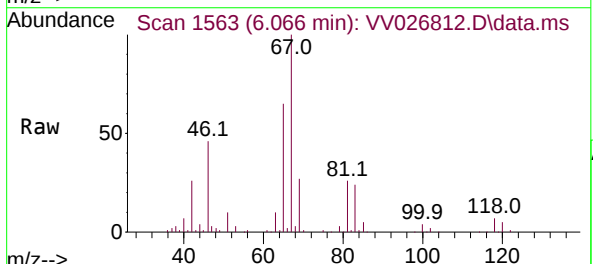
Ion	Ratio	Lower	Upper
95	100		
97	62.7	44.6	82.8
132	105.3	70.2	130.4
130	101.8	70.9	131.7

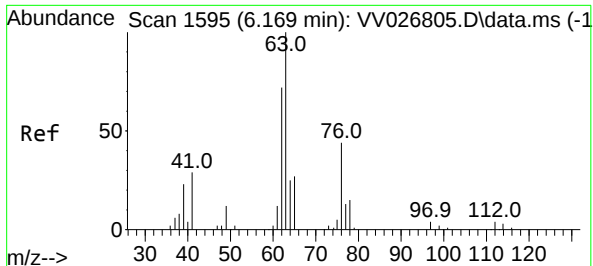


#35
Methylcyclohexane
Concen: 0.837 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.061 min
Lab File: VV026812.D
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Tgt Ion: 83 Resp: 27351

Ion	Ratio	Lower	Upper
83	100		
55	0.9	59.5	89.3#
98	0.8	38.3	57.5#





#37

1,2-Dichloropropane

Concen: 0.558 ug/L

RT: 6.066 min Scan# 1

Delta R.T. -0.103 min

Lab File: VV026812.D

Acq: 18 Jul 2022 15:38

Instrument :

MSVOA_V

ClientSampleId :

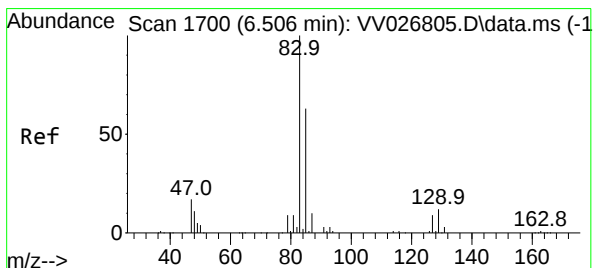
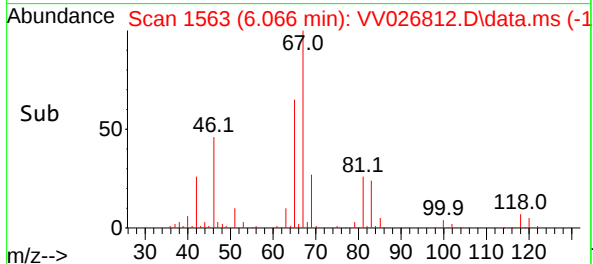
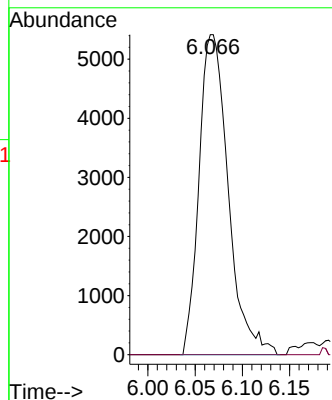
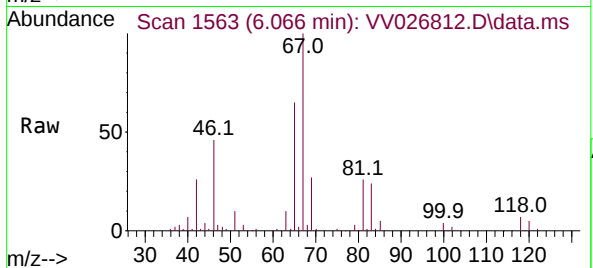
C0AQ1

Tgt Ion: 63 Resp: 11629

Ion Ratio Lower Upper

63 100

112 0.4 4.2 6.2#



#38

Bromodichloromethane

Concen: 6.320 ug/L

RT: 6.507 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VV026812.D

Acq: 18 Jul 2022 15:38

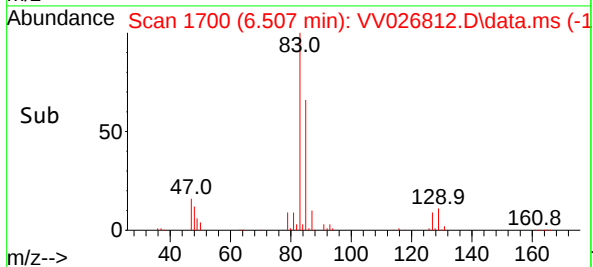
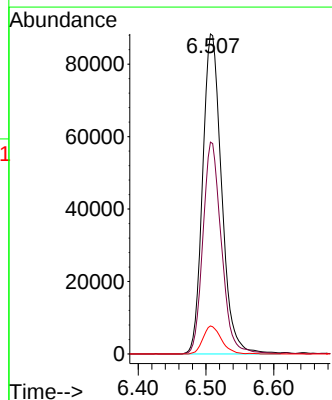
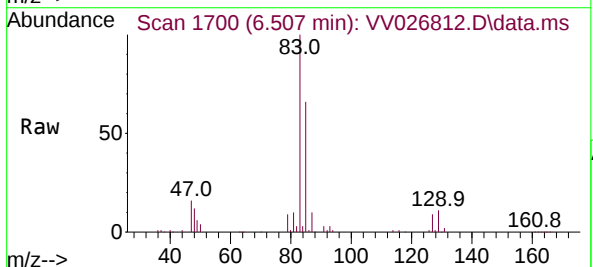
Tgt Ion: 83 Resp: 171599

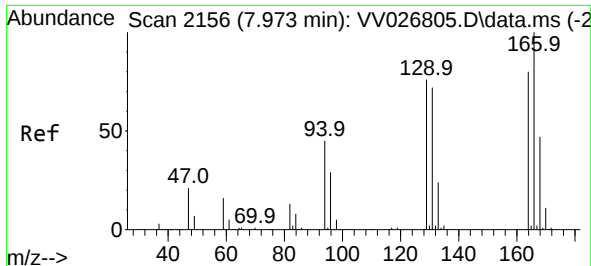
Ion Ratio Lower Upper

83 100

85 66.2 45.4 84.4

127 8.8 6.6 10.0





#47

Tetrachloroethene

Concen: 3.498 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV026812.D

Acq: 18 Jul 2022 15:38

Instrument :

MSVOA_V

ClientSampleId :

C0AQ1

Tgt Ion:164 Resp: 58720

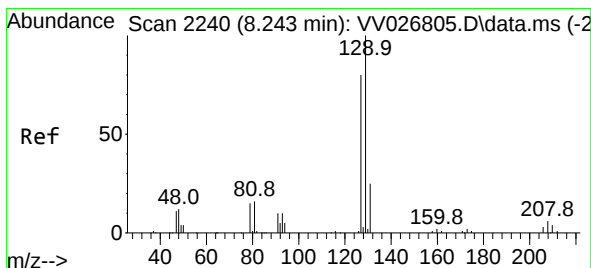
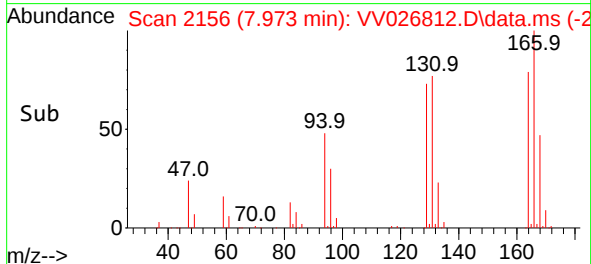
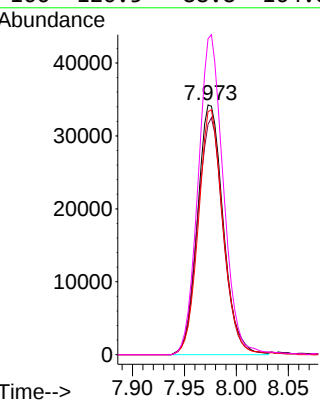
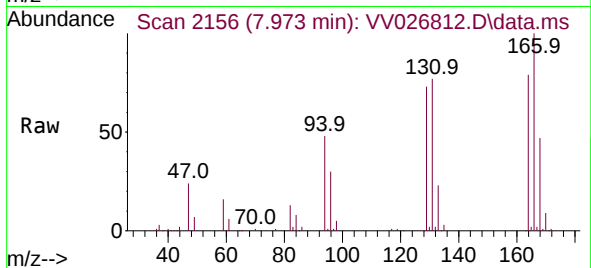
Ion Ratio Lower Upper

164 100

129 92.2 67.8 125.8

131 97.3 65.9 122.5

166 126.5 88.8 164.8



#49

Dibromochloromethane

Concen: 4.269 ug/L

RT: 8.246 min Scan# 2241

Delta R.T. 0.003 min

Lab File: VV026812.D

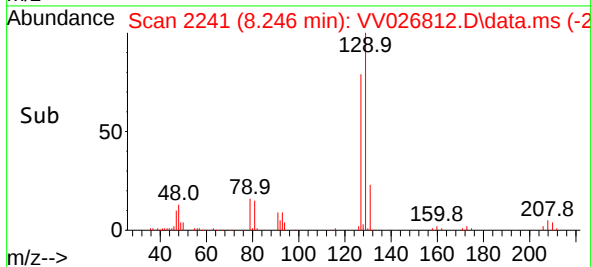
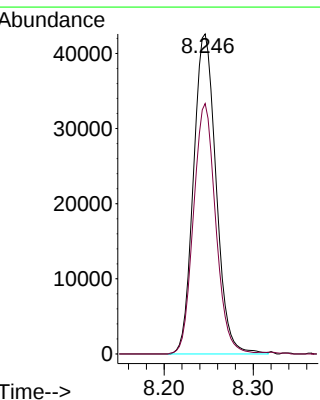
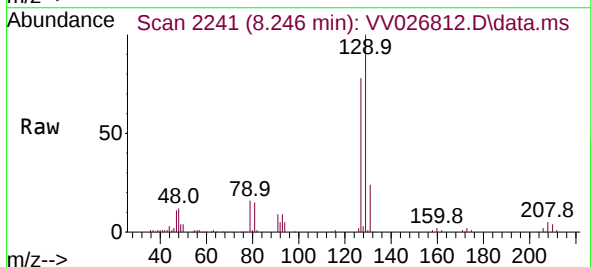
Acq: 18 Jul 2022 15:38

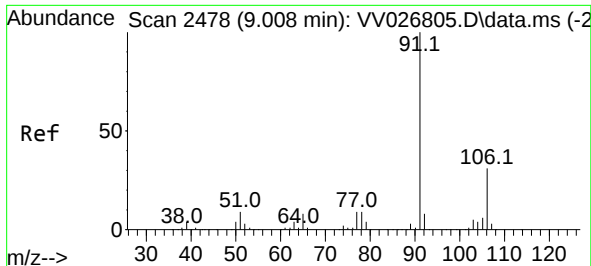
Tgt Ion:129 Resp: 74907

Ion Ratio Lower Upper

129 100

127 78.3 55.7 103.5

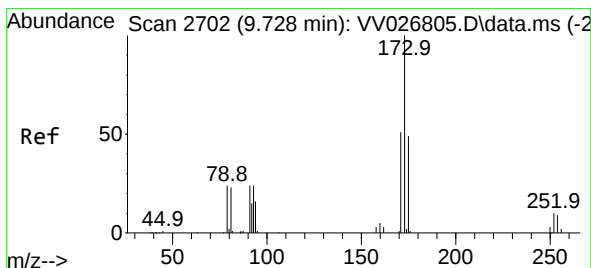
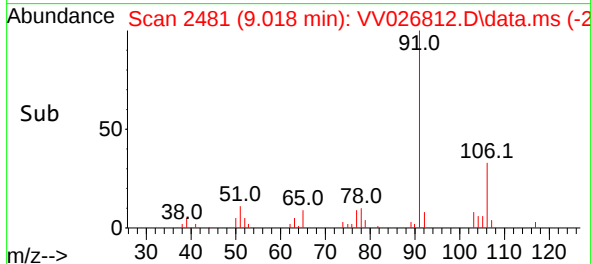
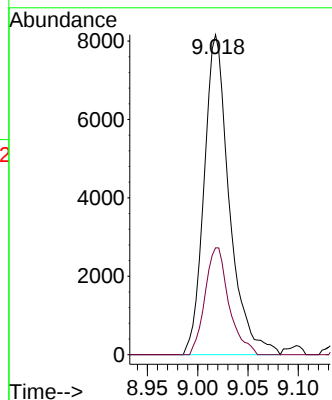
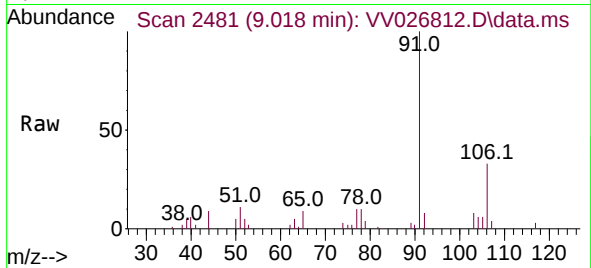




#52
Ethylbenzene
Concen: 0.164 ug/L
RT: 9.018 min Scan# 2478
Delta R.T. 0.010 min
Lab File: VV026812.D
Acq: 18 Jul 2022 15:38

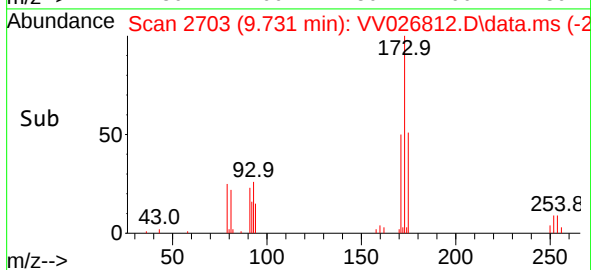
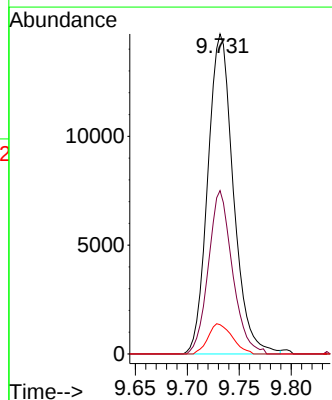
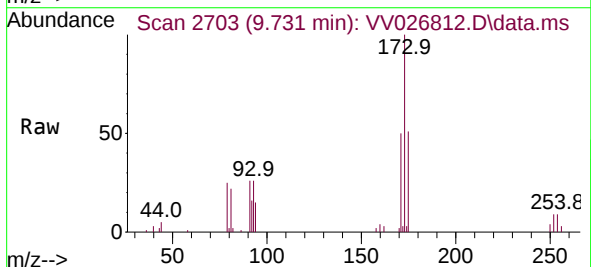
Instrument :
MSVOA_V
ClientSampleId :
C0AQ1

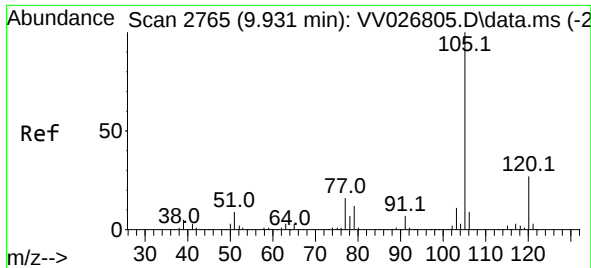
Tgt Ion: 91 Resp: 14256
Ion Ratio Lower Upper
91 100
106 33.4 21.6 40.2



#59
Bromoform
Concen: 3.478 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. 0.003 min
Lab File: VV026812.D
Acq: 18 Jul 2022 15:38

Tgt Ion: 173 Resp: 25188
Ion Ratio Lower Upper
173 100
175 48.0 40.7 61.1
254 8.9 6.5 9.7

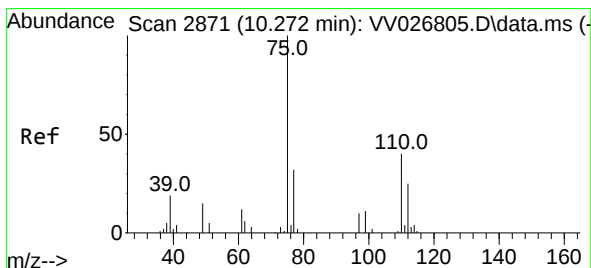
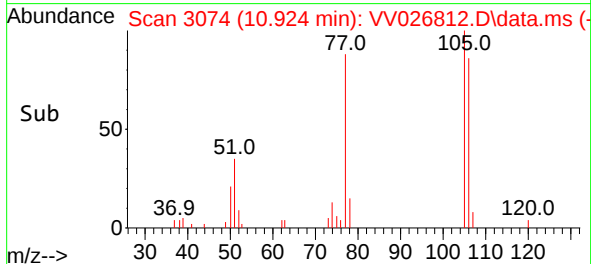
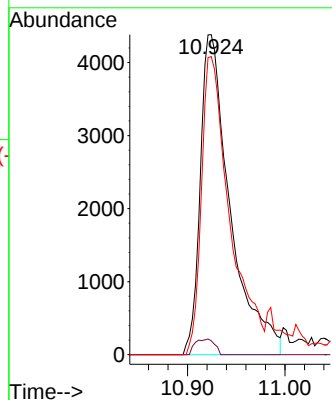
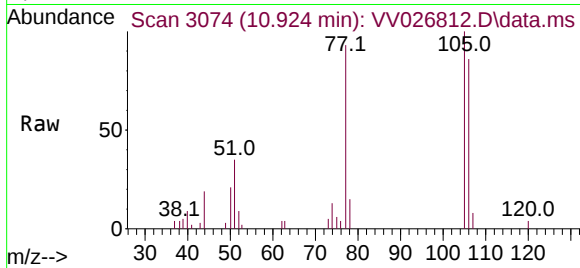




#60
Isopropylbenzene
Concen: 0.133 ug/L
RT: 10.924 min Scan# 3074
Delta R.T. 0.994 min
Lab File: VV026812.D
Acq: 18 Jul 2022 15:38

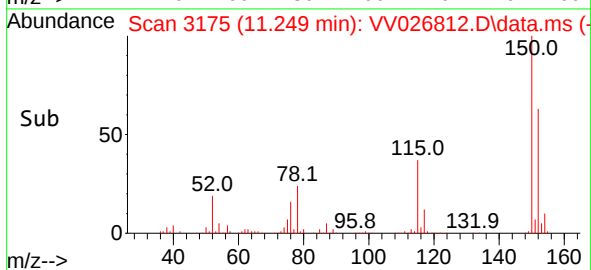
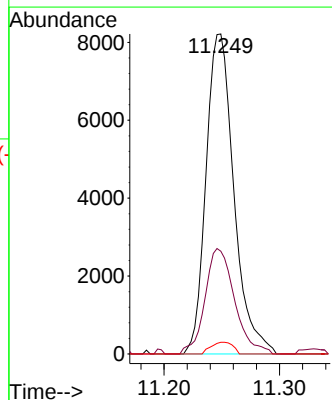
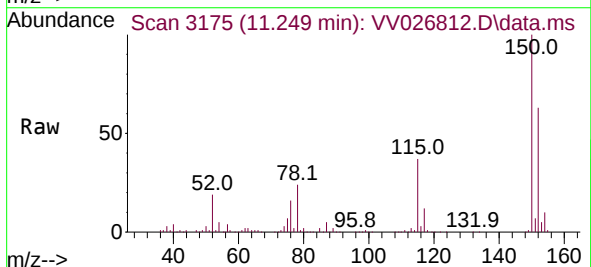
Instrument :
MSVOA_V
ClientSampleId :
C0AQ1

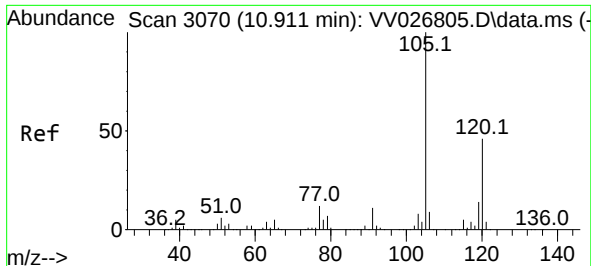
Tgt Ion:105 Resp: 9353
Ion Ratio Lower Upper
105 100
120 3.2 20.7 31.1#
77 88.2 12.5 18.7#



#61
1,2,3-Trichloropropane
Concen: 1.323 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.978 min
Lab File: VV026812.D
Acq: 18 Jul 2022 15:38

Tgt Ion: 75 Resp: 13766
Ion Ratio Lower Upper
75 100
77 35.0 25.4 38.0
110 2.9 31.8 47.6#

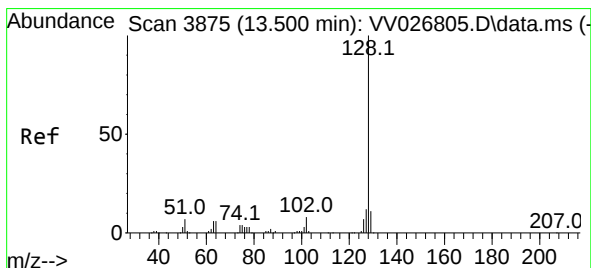
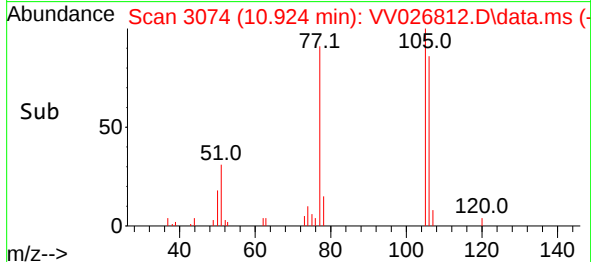
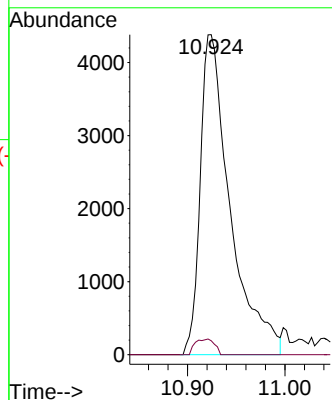
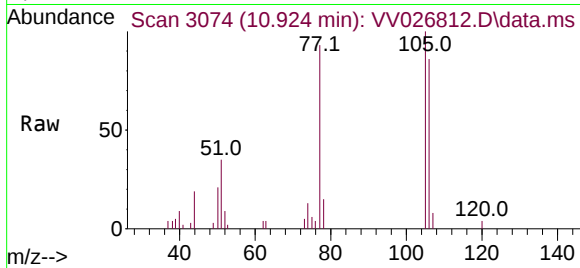




#63
 1,2,4-Trimethylbenzene
 Concen: 0.164 ug/L
 RT: 10.924 min Scan# 3074
 Delta R.T. 0.013 min
 Lab File: VV026812.D
 Acq: 18 Jul 2022 15:38

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AQ1

Tgt Ion:105 Resp: 9353
 Ion Ratio Lower Upper
 105 100
 120 3.2 36.8 55.2#



#71
 Naphthalene
 Concen: 0.196 ug/L
 RT: 13.506 min Scan# 3877
 Delta R.T. 0.006 min
 Lab File: VV026812.D
 Acq: 18 Jul 2022 15:38

Tgt Ion:128 Resp: 6009
 Ion Ratio Lower Upper
 128 100
 129 10.4 8.4 12.6
 127 12.6 10.7 16.1

