

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103122\
 Data File : VV028795.D
 Acq On : 31 Oct 2022 21:07
 Operator : SY/MD
 Sample : N5321-05
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBXA4

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/01/2022
 Supervised By :Mahesh Dadoda 11/01/2022

Quant Time: Nov 01 07:20:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 01 04:42:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	432892	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	387254	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	172661	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	132162	32.206	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	64.420%		
7) Chloroethane-d5	1.565	69	130366	37.162	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	74.320%		
11) 1,1-Dichloroethene-d2	2.105	63	223029	28.571	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	57.140%#		
21) 2-Butanone-d5	3.873	46	257780	86.294	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	86.290%		
24) Chloroform-d	4.339	84	246414	39.813	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.620%		
26) 1,2-Dichloroethane-d4	5.027	65	178262	43.549	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.100%		
32) Benzene-d6	5.043	84	507930	42.015	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.040%		
36) 1,2-Dichloropropane-d6	6.066	67	174691	42.090	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	84.180%		
41) Toluene-d8	7.310	98	424011	39.897	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	79.800%#		
43) trans-1,3-Dichloroprop...	7.616	79	64219	40.287	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.580%		
47) 2-Hexanone-d5	8.085	63	154800	82.534	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	82.530%		
56) 1,1,2,2-Tetrachloroeth...	10.207	84	227197	41.513	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	83.020%		
66) 1,2-Dichlorobenzene-d4	11.616	152	147851	43.381	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.760%		
Target Compounds						
5) Vinyl chloride	1.310	62	40635	8.349	ug/L	96
12) 1,1-Dichloroethene	2.114	96	18807	5.825	ug/L #	1
17) trans-1,2-Dichloroethene	2.754	96	389404	124.687	ug/L	97
20) cis-1,2-Dichloroethene	3.902	96	3651572	1059.696	ug/L #	100
33) Benzene	5.098	78	14919	1.094	ug/L	100
34) Trichloroethene	5.908	95	18234990m	5719.455	ug/L	
46) Tetrachloroethene	7.973	164	2836010	1283.447	ug/L	98
67) 1,2-Dichlorobenzene	11.635	146	8990	1.597	ug/L	88

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

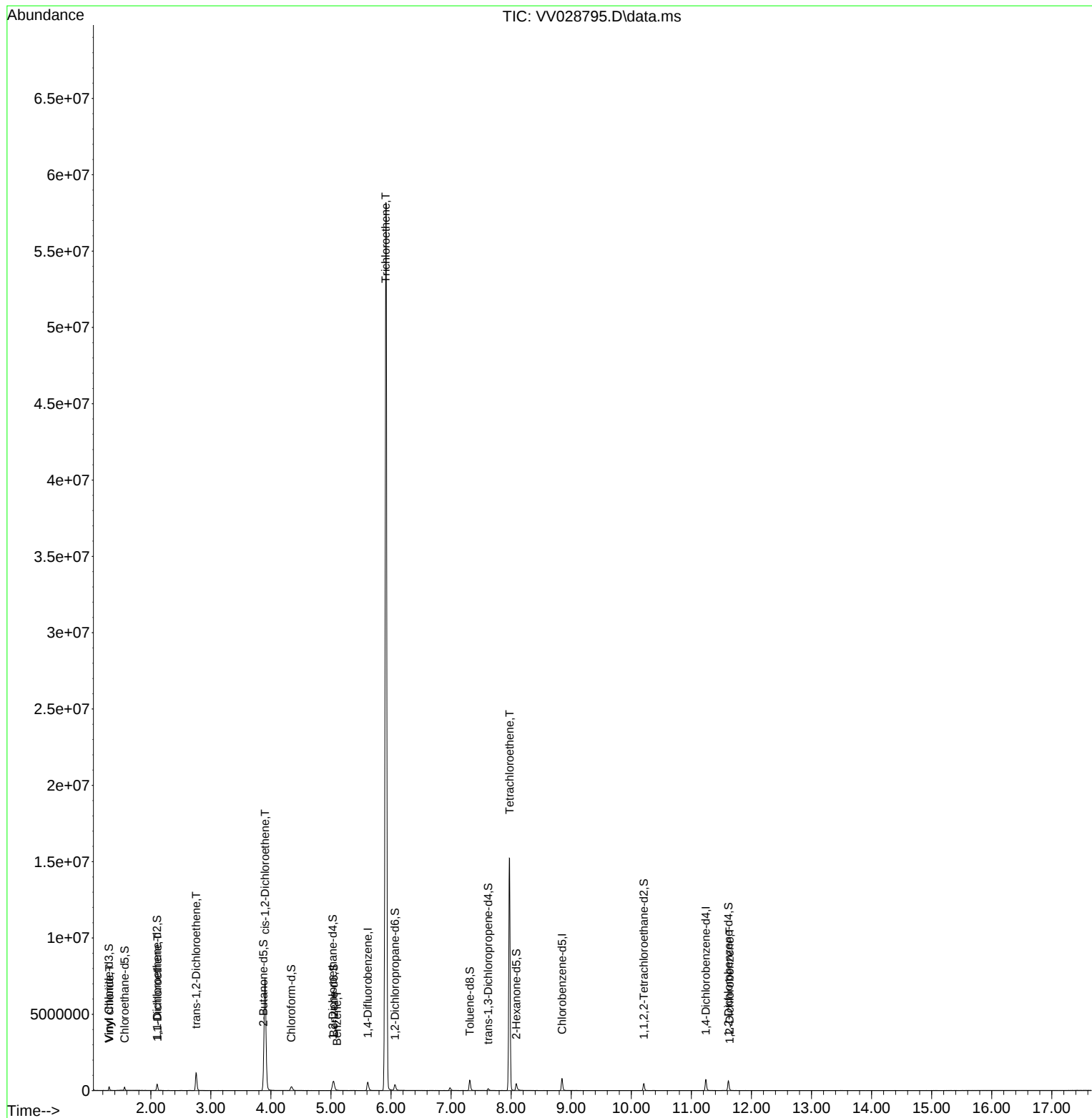
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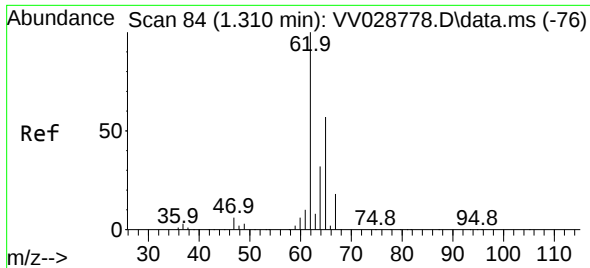
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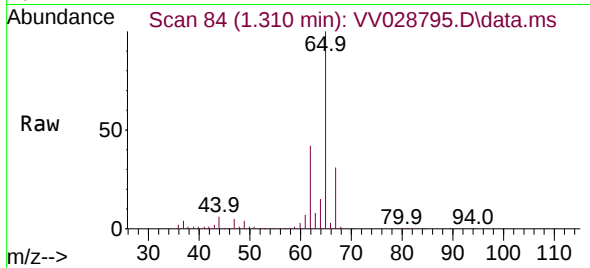
Reviewed By :Krupa Patel 11/01/2022
Supervised By :Mahesh Dadoda 11/01/2022





#5
 Vinyl chloride
 Concen: 8.349 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV028795.D
 Acq: 31 Oct 2022 21:07

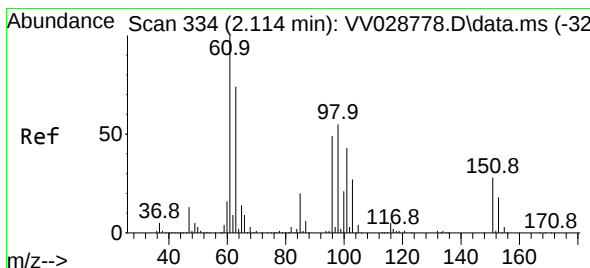
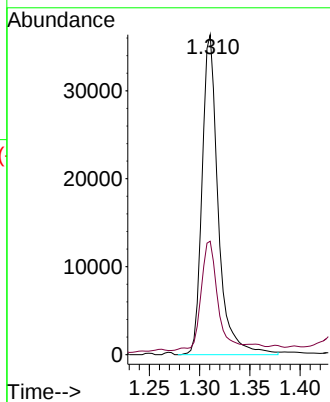
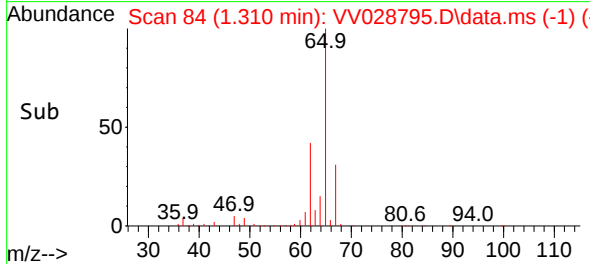
Instrument :
 MSVOA_V
 ClientSampleId :
 DBXA4



Tgt Ion: 62 Resp: 40635
 Ion Ratio Lower Upper
 62 100
 64 35.4 23.2 43.0

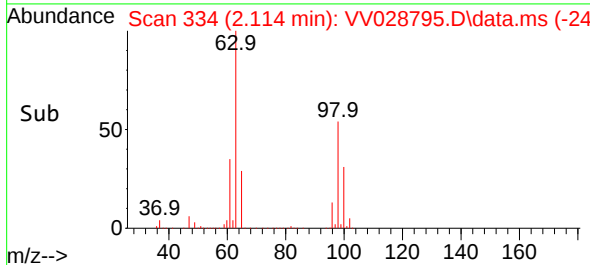
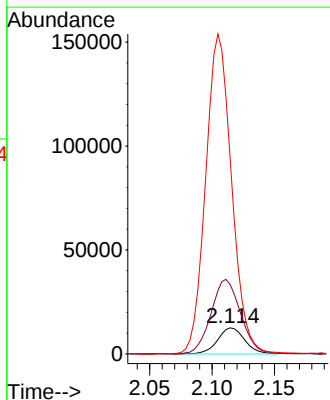
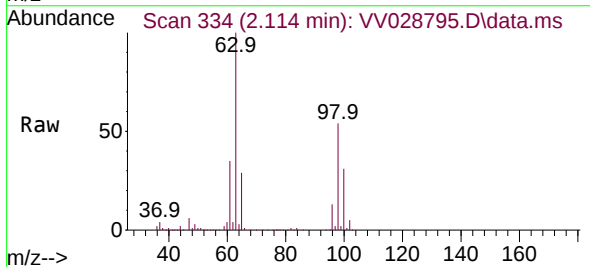
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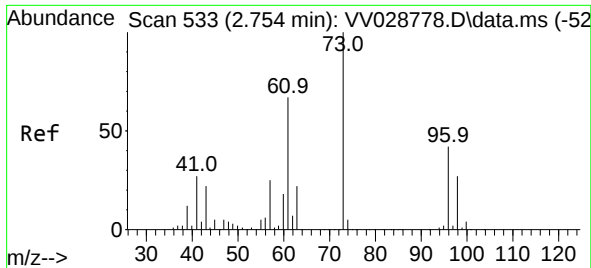
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#12
 1,1-Dichloroethene
 Concen: 5.825 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV028795.D
 Acq: 31 Oct 2022 21:07

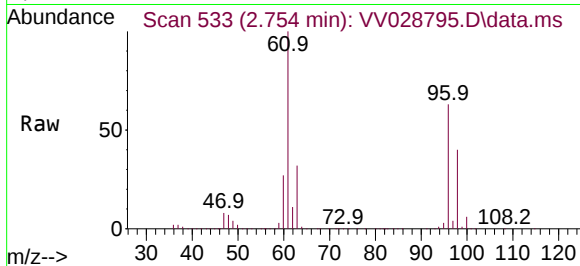
Tgt Ion: 96 Resp: 18807
 Ion Ratio Lower Upper
 96 100
 61 268.8 142.7 265.1#
 63 761.5 112.5 208.9#





#17
trans-1,2-Dichloroethene
Concen: 124.687 ug/L
RT: 2.754 min Scan# 533
Delta R.T. 0.000 min
Lab File: VV028795.D
Acq: 31 Oct 2022 21:07

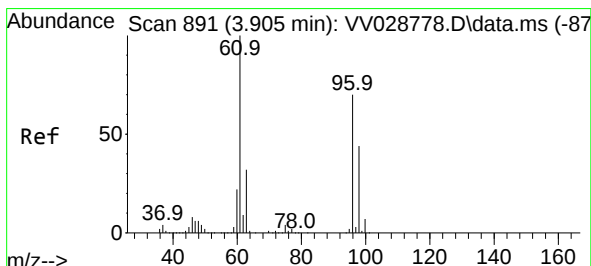
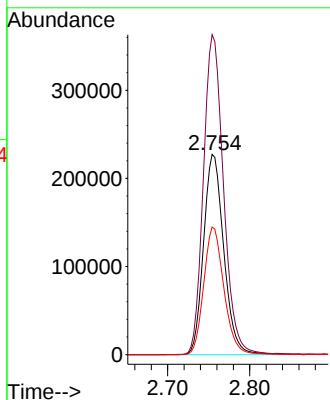
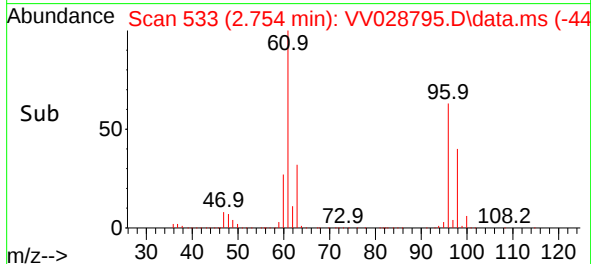
Instrument :
MSVOA_V
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DBXA4



Tgt Ion: 96 Resp: 389404
Ion Ratio Lower Upper
96 100
61 159.8 109.4 203.2
98 63.7 43.3 80.5

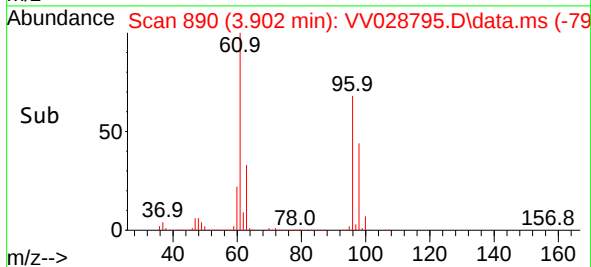
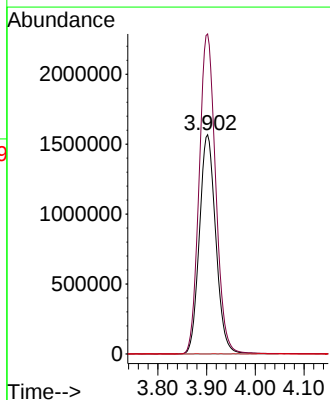
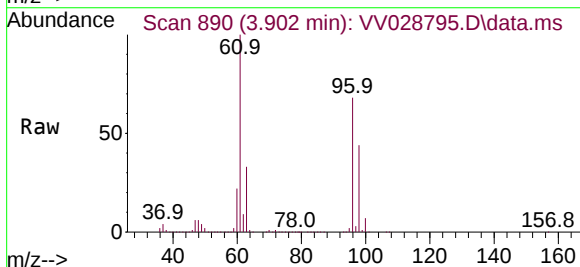
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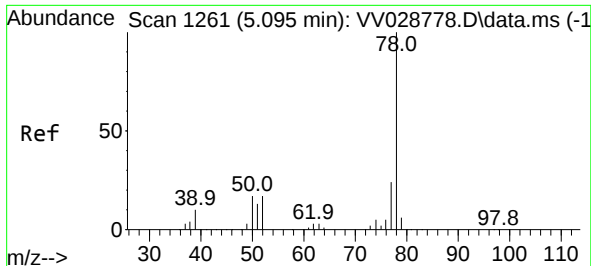
Reviewed By :Krupa Patel 11/01/2022
Supervised By :Mahesh Dadoda 11/01/2022



#20
cis-1,2-Dichloroethene
Concen: 1059.696 ug/L
RT: 3.902 min Scan# 890
Delta R.T. -0.003 min
Lab File: VV028795.D
Acq: 31 Oct 2022 21:07

Tgt Ion: 96 Resp: 3651572
Ion Ratio Lower Upper
96 100
61 146.0 102.3 190.1
68 0.0 0.1 0.3





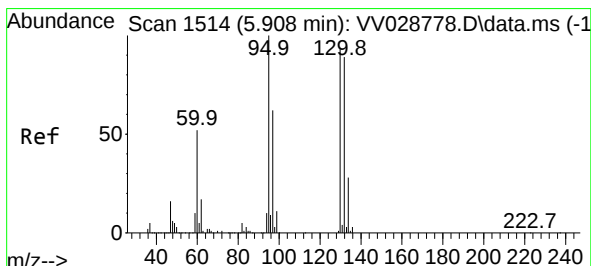
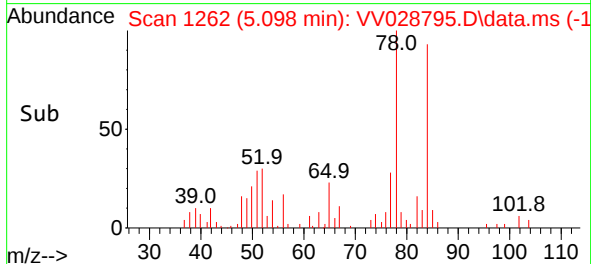
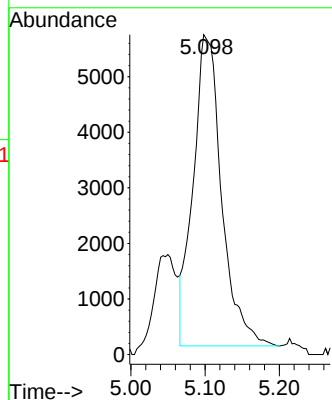
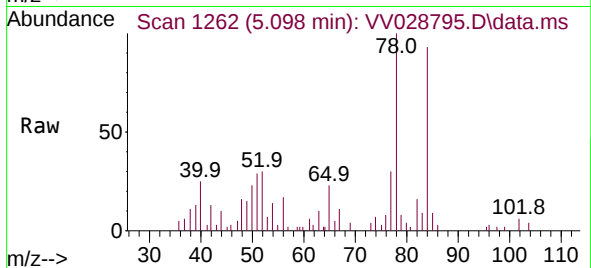
#33
Benzene
Concen: 1.094 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.003 min
Lab File: VV028795.D
Acq: 31 Oct 2022 21:07

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ClientSampleId :
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Tgt Ion: 78 Resp: 14919

Manual Integrations
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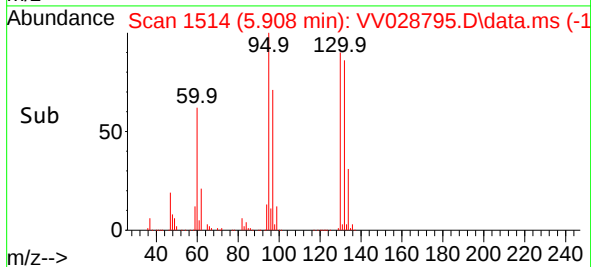
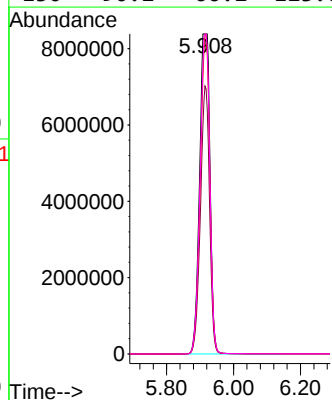
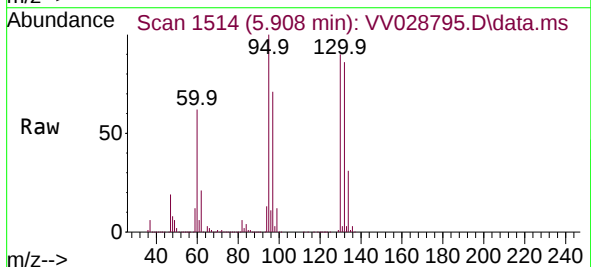
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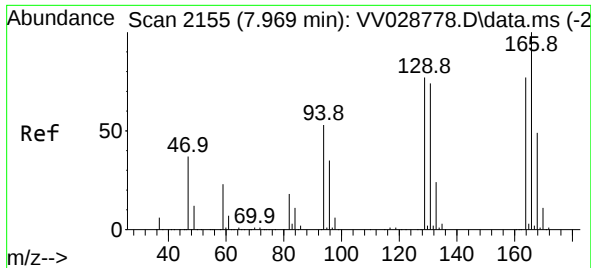


#34
Trichloroethene
Concen: 5719.455 ug/L m
RT: 5.908 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VV028795.D
Acq: 31 Oct 2022 21:07

Tgt Ion: 95 Resp:18234990

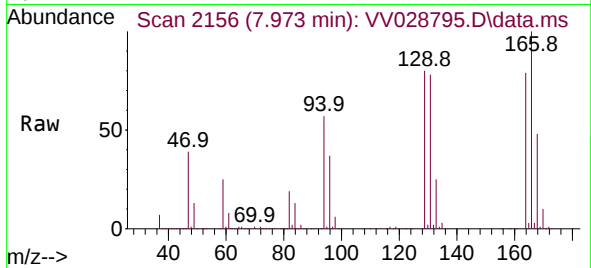
Ion	Ratio	Lower	Upper
95	100		
97	71.2	46.2	85.8
132	86.2	63.2	117.4
130	90.2	66.2	123.0





#46
Tetrachloroethene
Concen: 1283.447 ug/L
RT: 7.973 min Scan# 2155
Delta R.T. 0.003 min
Lab File: VV028795.D
Acq: 31 Oct 2022 21:07

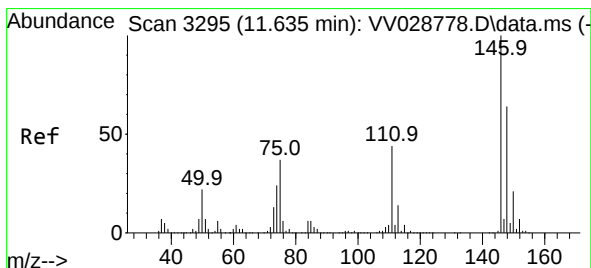
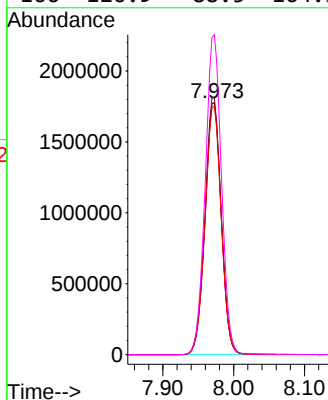
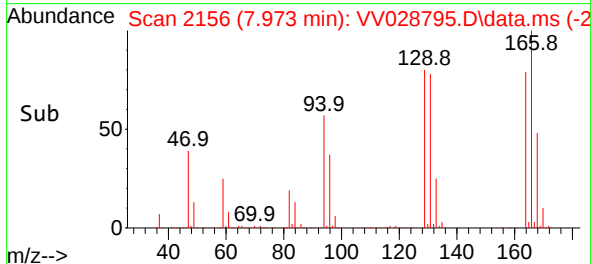
Instrument :
MSVOA_V
ClientSampleId :
DBXA4



Tgt Ion:164 Resp: 2836010
Ion Ratio Lower Upper
164 100
129 101.7 69.5 129.1
131 98.5 66.4 123.2
166 126.9 88.5 164.3

Manual Integrations
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#67
1,2-Dichlorobenzene
Concen: 1.597 ug/L
RT: 11.635 min Scan# 3295
Delta R.T. 0.000 min
Lab File: VV028795.D
Acq: 31 Oct 2022 21:07

Tgt Ion:146 Resp: 8990
Ion Ratio Lower Upper
146 100
111 49.8 34.2 51.2
148 72.0 49.5 74.3

