

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120822\
 Data File : VW029491.D
 Acq On : 08 Dec 2022 22:30
 Operator : SY/MD
 Sample : N5915-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F5N00

Quant Time: Dec 09 04:16:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 08 01:48:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	504424	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	471761	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	247447	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	111522	36.104	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	72.200%		
7) Chloroethane-d5	1.565	69	98241	41.709	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	83.420%		
11) 1,1-Dichloroethene-d2	2.105	63	17150638	3559.835	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	7119.680%#		
21) 2-Butanone-d5	3.867	46	181396	96.267	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.270%		
24) Chloroform-d	4.339	84	253590	43.627	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.260%		
26) 1,2-Dichloroethane-d4	5.024	65	152203	45.847	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.700%		
32) Benzene-d6	5.043	84	529095	42.445	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.880%		
36) 1,2-Dichloropropane-d6	6.063	67	168521	44.259	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.520%		
41) Toluene-d8	7.307	98	491858	41.877	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.760%		
43) trans-1,3-Dichloroprop...	7.613	79	80548	41.893	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.780%		
47) 2-Hexanone-d5	8.082	63	155448	95.604	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.600%		
56) 1,1,2,2-Tetrachloroeth...	10.207	84	252784	46.458	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.920%		
66) 1,2-Dichlorobenzene-d4	11.612	152	211432	44.886	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.780%		
Target Compounds						Qvalue
5) Vinyl chloride	1.311	62	93008	24.539	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	97348	36.923	ug/L #	30
19) 1,1-Dichloroethane	3.182	63	216314	40.643	ug/L	99
20) cis-1,2-Dichloroethene	3.909	96	13274	3.886	ug/L	96
25) Chloroform	4.365	83	61932	11.224	ug/L	100
27) 1,2-Dichloroethane	5.121	62	366593	94.053	ug/L	99
29) Cyclohexane	4.667	56	7650	1.497	ug/L	99
33) Benzene	5.095	78	104929	7.891	ug/L	100
34) Trichloroethene	5.908	95	91875	27.572	ug/L	99
35) Methylcyclohexane	6.063	83	40350	7.130	ug/L #	21
44) trans-1,3-Dichloropropene	7.616	75	3330	0.666	ug/L #	76
46) Tetrachloroethene	7.969	164	38857	14.504	ug/L	93
49) Dibromochloromethane	7.966	129	34566	9.442	ug/L #	10
51) Chlorobenzene	8.876	112	7547	0.833	ug/L	91
64) 1,3-Dichlorobenzene	11.172	146	20395	2.871	ug/L	96
65) 1,4-Dichlorobenzene	11.262	146	40413	5.598	ug/L	98
67) 1,2-Dichlorobenzene	11.632	146	45269	6.232	ug/L	99

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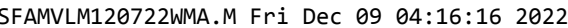
Instrument :
MSVOA_V
ClientSampleId :
F5N00

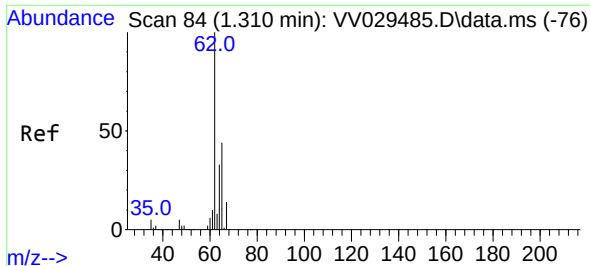
Quant Time: Dec 09 04:16:12 2022
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Quant Title : VOC Analysis
QLast Update : Thu Dec 08 01:48:46 2022
Response via : Initial Calibration

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

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

Quant Time: Dec 09 04:16:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
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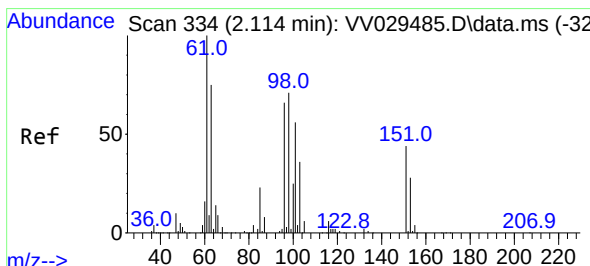
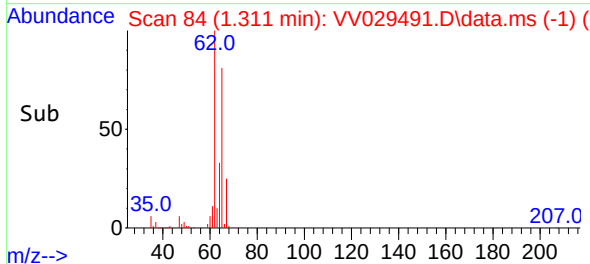
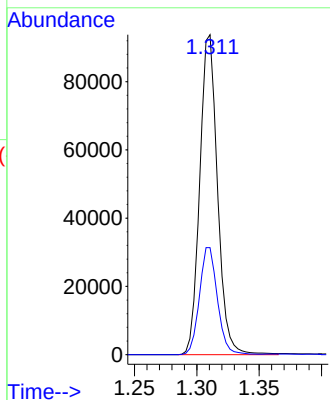
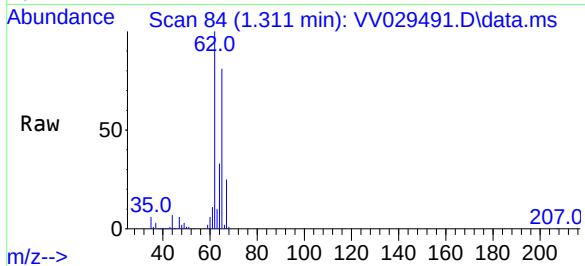




#5
 Vinyl chloride
 Concen: 24.539 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV029491.D
 Acq: 08 Dec 2022 22:30

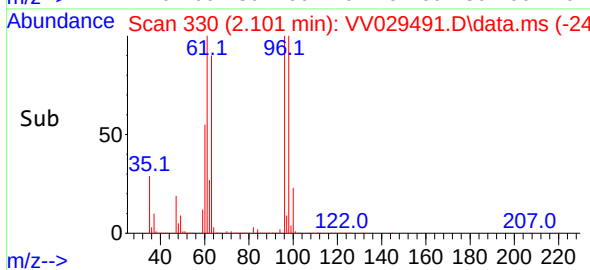
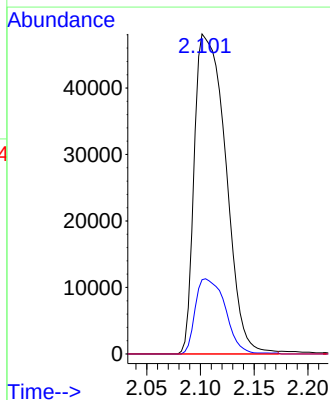
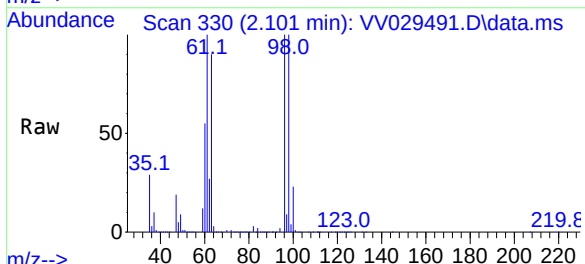
Instrument :
 MSVOA_V
 ClientSampleId :
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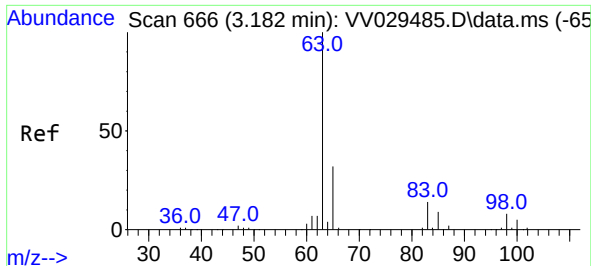
Tgt Ion: 62 Resp: 93008
 Ion Ratio Lower Upper
 62 100
 64 33.4 22.5 41.9



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 36.923 ug/L
 RT: 2.101 min Scan# 330
 Delta R.T. -0.013 min
 Lab File: VV029491.D
 Acq: 08 Dec 2022 22:30

Tgt Ion: 101 Resp: 97348
 Ion Ratio Lower Upper
 101 100
 85 22.4 33.6 50.4#
 151 0.0 63.5 95.3#

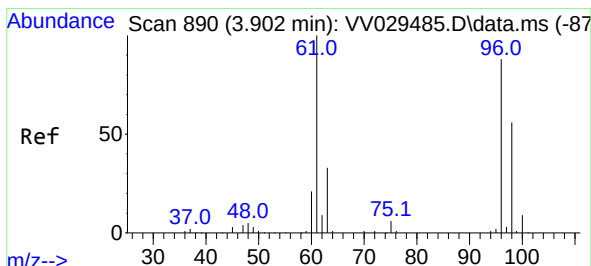
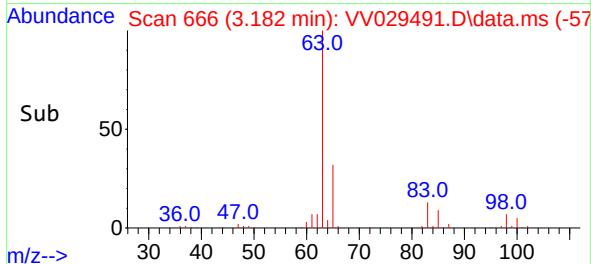
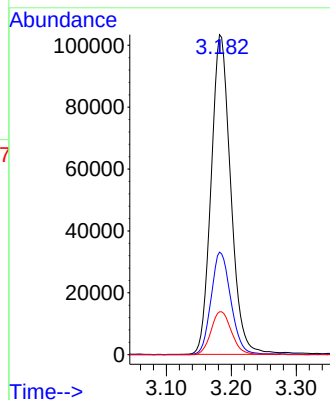
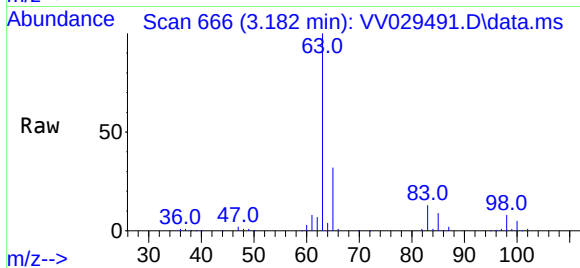




#19
1,1-Dichloroethane
Concen: 40.643 ug/L
RT: 3.182 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30

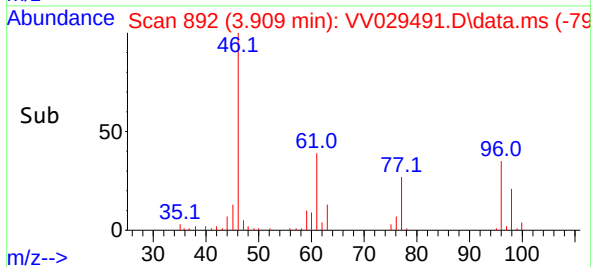
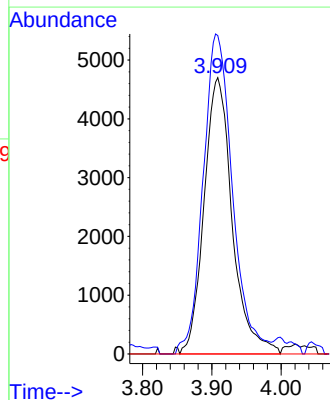
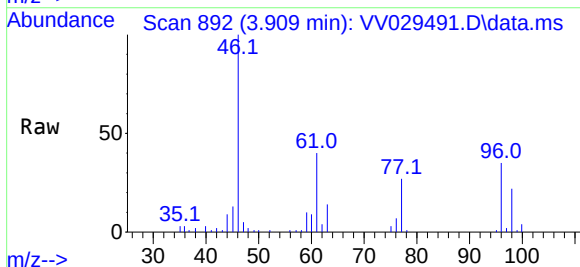
Instrument :
MSVOA_V
ClientSampleId :
F5N00

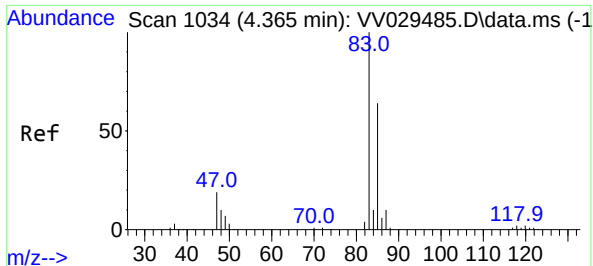
Tgt Ion: 63 Resp: 216314
Ion Ratio Lower Upper
63 100
65 32.1 22.5 41.7
83 13.4 10.4 19.2



#20
cis-1,2-Dichloroethene
Concen: 3.886 ug/L
RT: 3.909 min Scan# 892
Delta R.T. 0.003 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30

Tgt Ion: 96 Resp: 13274
Ion Ratio Lower Upper
96 100
61 115.2 78.0 144.9
68 0.0 0.0 0.0





#25

Chloroform

Concen: 11.224 ug/L

RT: 4.365 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VV029491.D

Acq: 08 Dec 2022 22:30

Instrument :

MSVOA_V

ClientSampleId :

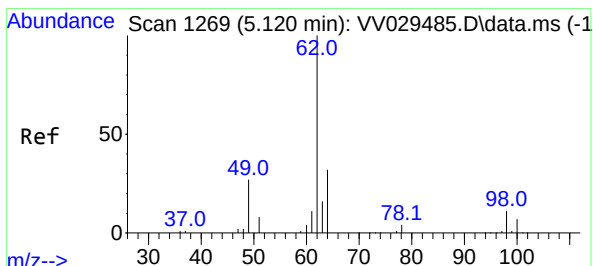
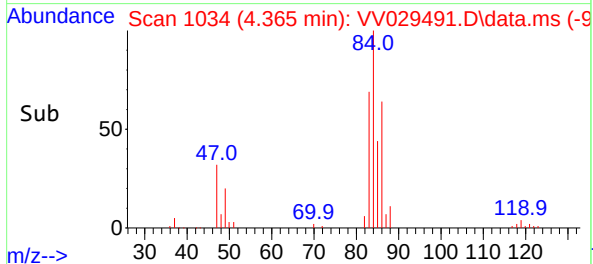
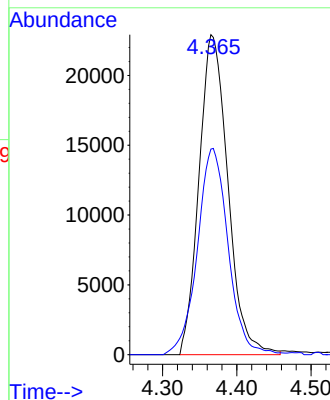
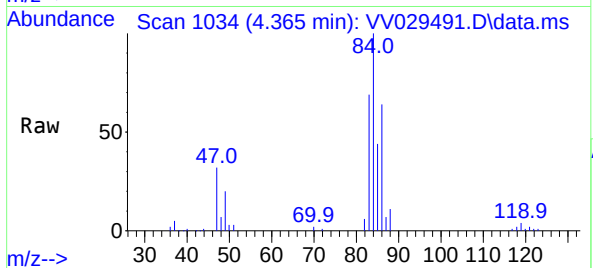
F5N00

Tgt Ion: 83 Resp: 61932

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.9



#27

1,2-Dichloroethane

Concen: 94.053 ug/L

RT: 5.121 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VV029491.D

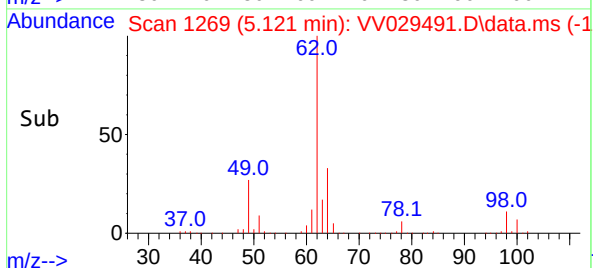
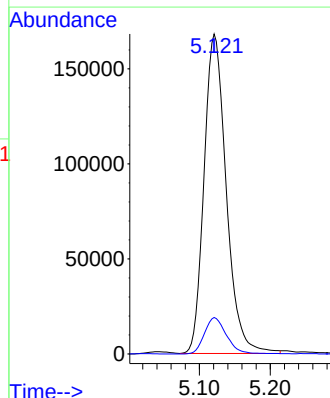
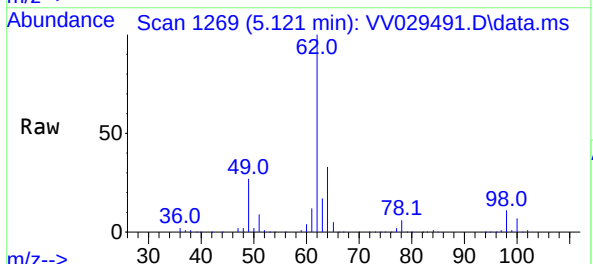
Acq: 08 Dec 2022 22:30

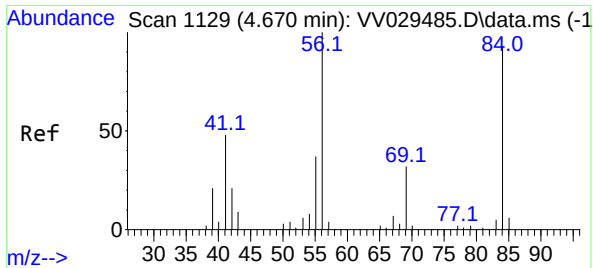
Tgt Ion: 62 Resp: 366593

Ion Ratio Lower Upper

62 100

98 11.4 9.4 14.0



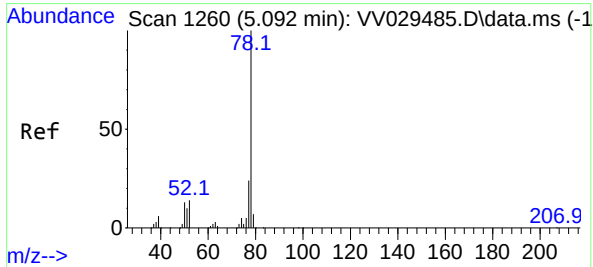
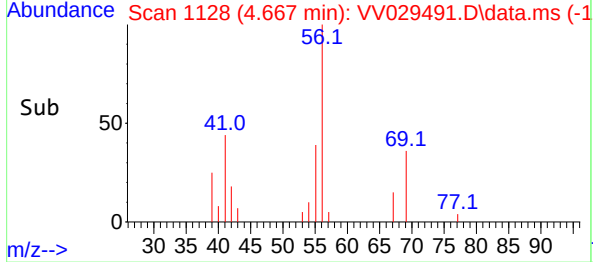
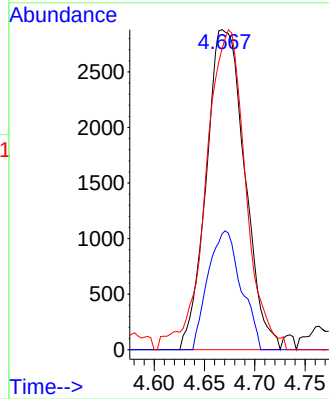
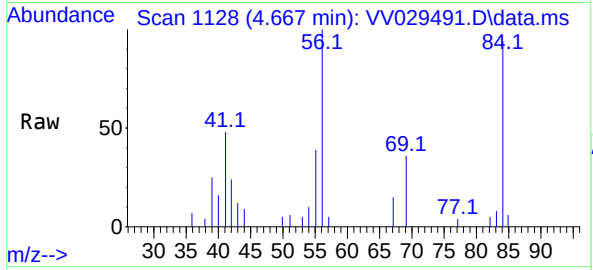


#29
Cyclohexane
Concen: 1.497 ug/L
RT: 4.667 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30

Instrument :
MSVOA_V
ClientSampleId :
F5N00

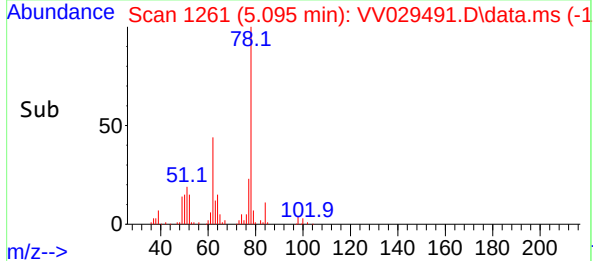
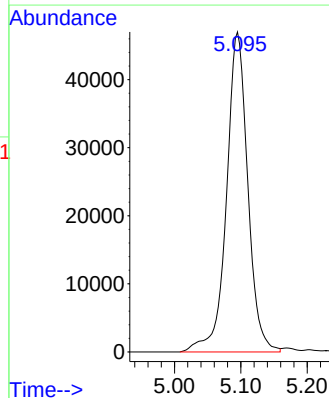
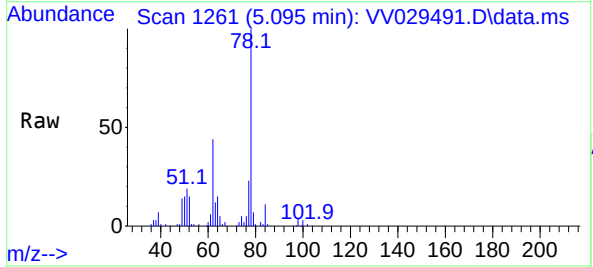
Tgt Ion: 56 Resp: 7650

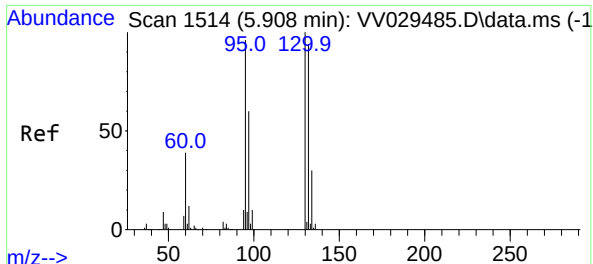
Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.8	38.8
84	97.0	76.6	114.8



#33
Benzene
Concen: 7.891 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30

Tgt Ion: 78 Resp: 104929



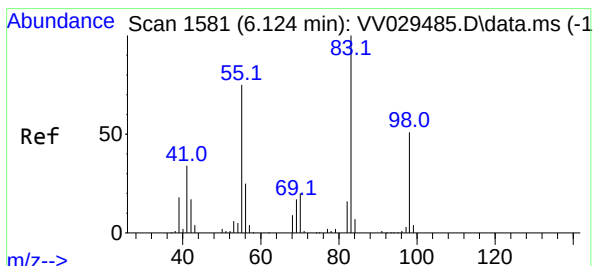
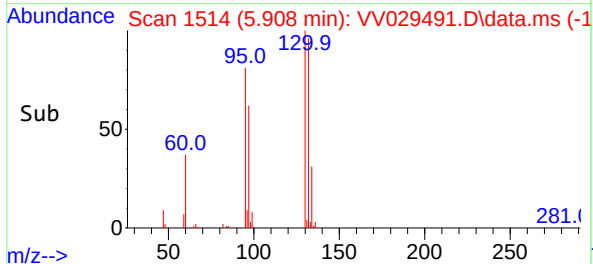
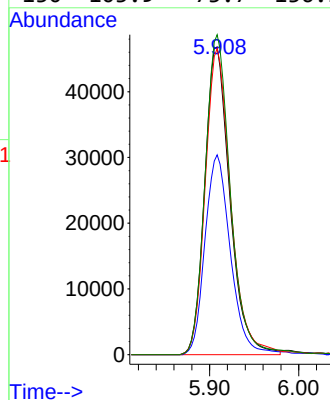
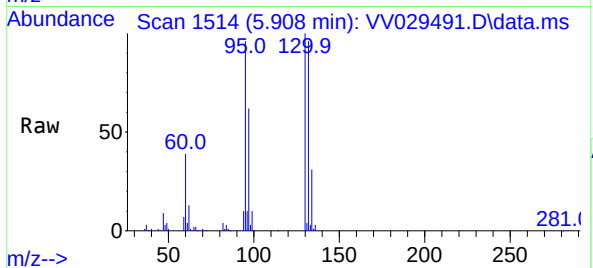


#34
Trichloroethene
Concen: 27.572 ug/L
RT: 5.908 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30

Instrument :
MSVOA_V
ClientSampleId :
F5N00

Tgt Ion: 95 Resp: 91875

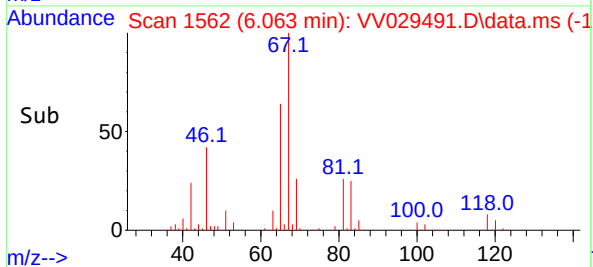
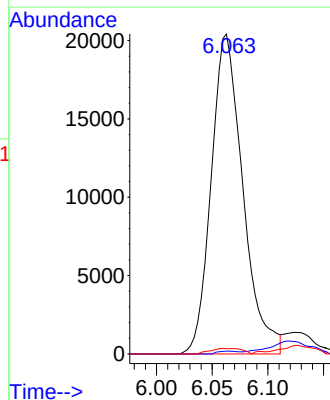
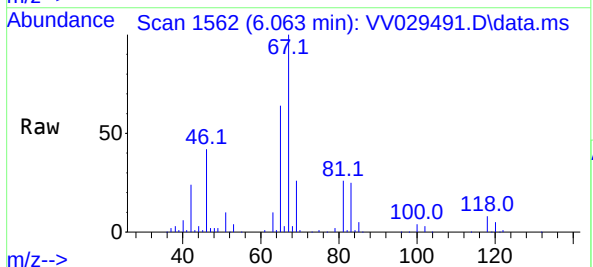
Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.0	81.8
132	99.4	69.9	129.9
130	103.9	73.7	136.9

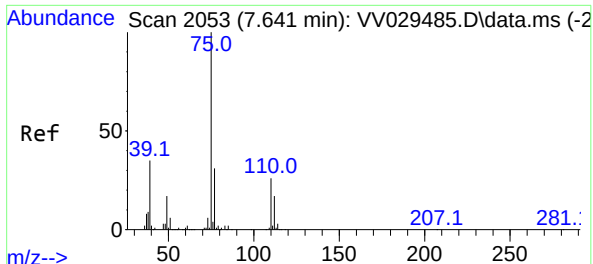


#35
Methylcyclohexane
Concen: 7.130 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.064 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30

Tgt Ion: 83 Resp: 40350

Ion	Ratio	Lower	Upper
83	100		
55	0.6	55.5	83.3#
98	0.9	39.8	59.8#

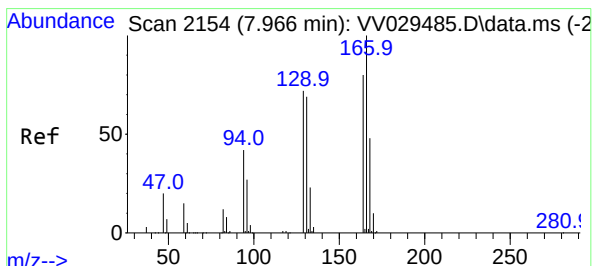
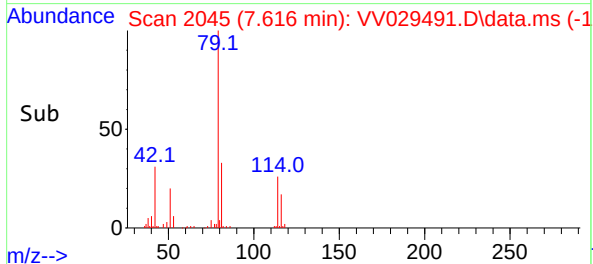
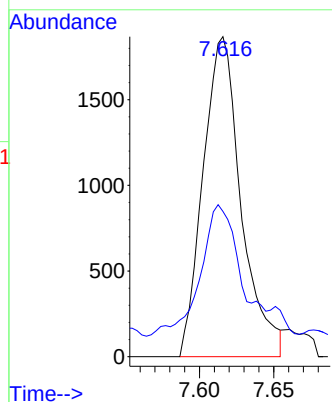
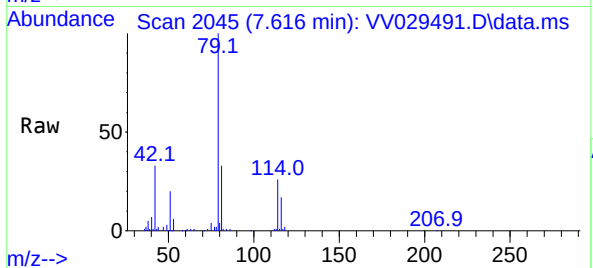




#44
trans-1,3-Dichloropropene
Concen: 0.666 ug/L
RT: 7.616 min Scan# 2045
Delta R.T. -0.029 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30

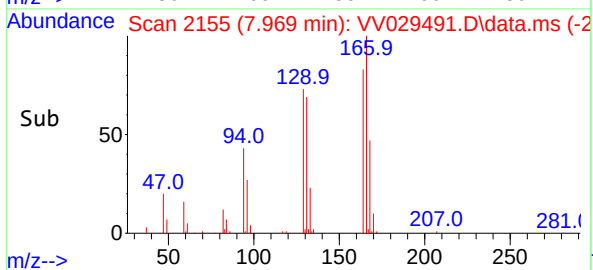
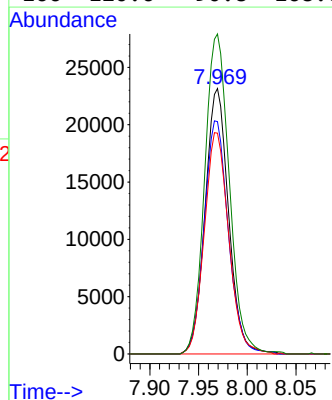
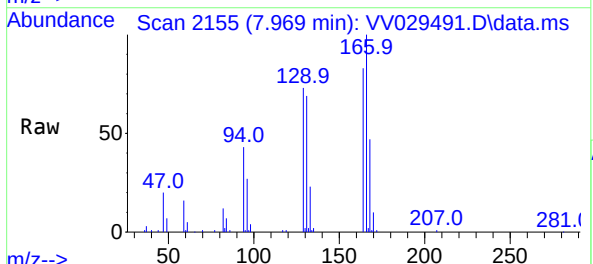
Instrument :
MSVOA_V
ClientSampleId :
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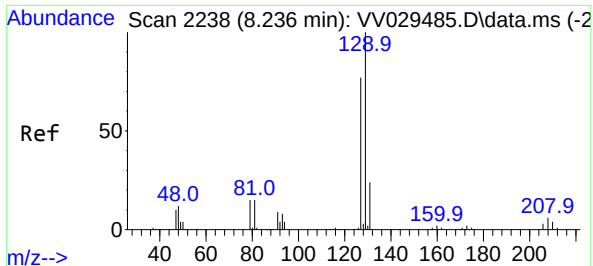
Tgt Ion: 75 Resp: 3330
Ion Ratio Lower Upper
75 100
77 45.4 22.3 41.5#



#46
Tetrachloroethene
Concen: 14.504 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.000 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30

Tgt Ion: 164 Resp: 38857
Ion Ratio Lower Upper
164 100
129 87.5 65.3 121.3
131 83.2 63.1 117.1
166 120.6 90.8 168.6

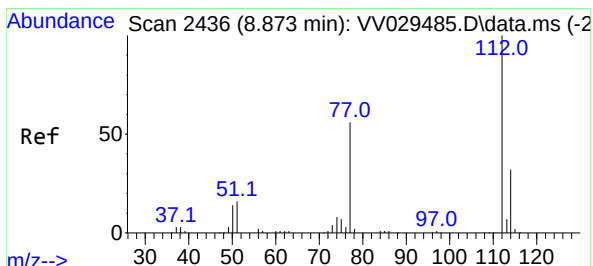
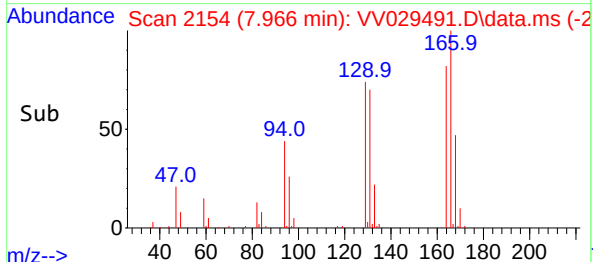
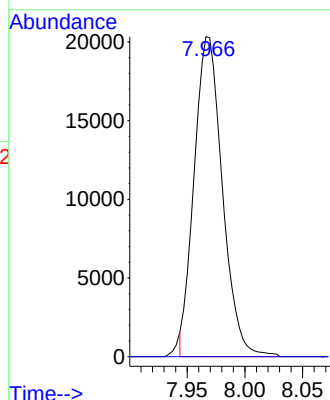
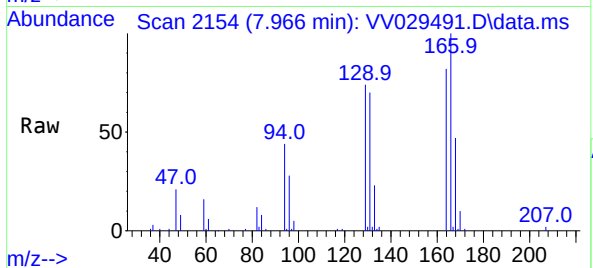




#49
Dibromochloromethane
Concen: 9.442 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.270 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30

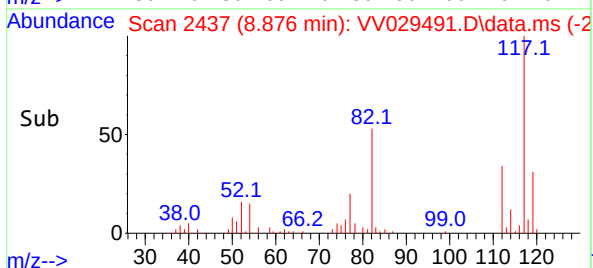
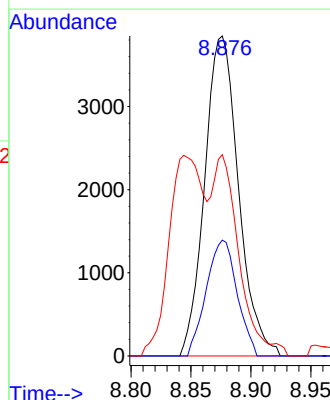
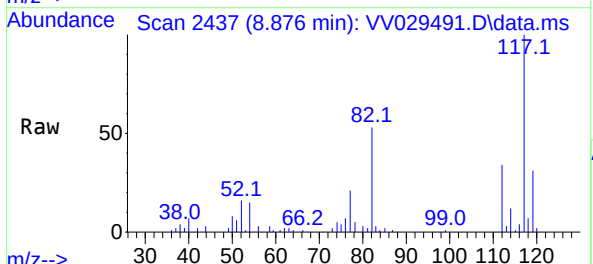
Instrument : MSVOA_V
ClientSampleId : F5N00

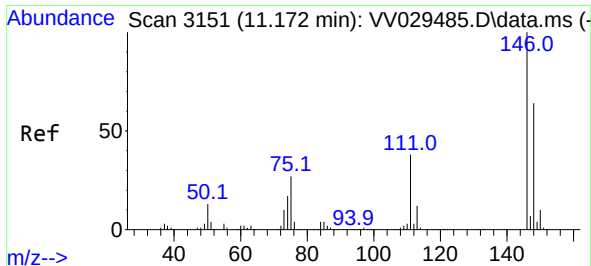
Tgt Ion:129 Resp: 34566
Ion Ratio Lower Upper
129 100
127 0.0 55.2 102.4#



#51
Chlorobenzene
Concen: 0.833 ug/L
RT: 8.876 min Scan# 2437
Delta R.T. 0.003 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30

Tgt Ion:112 Resp: 7547
Ion Ratio Lower Upper
112 100
114 36.2 22.3 41.3
77 62.9 45.0 67.4

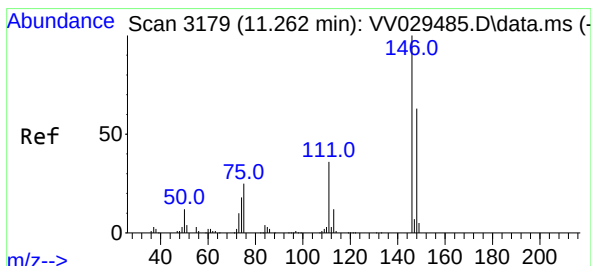
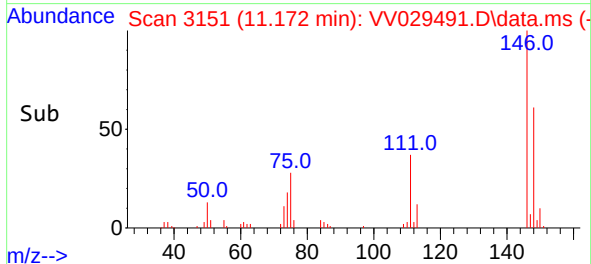
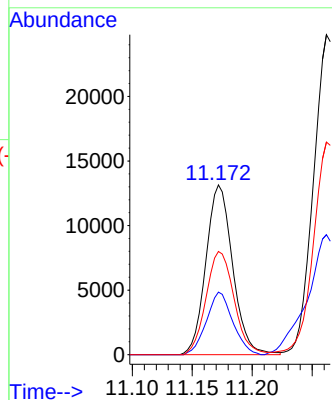
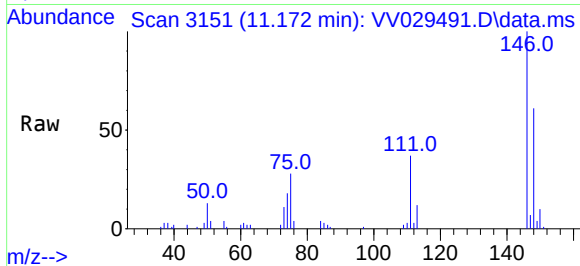




#64
1,3-Dichlorobenzene
Concen: 2.871 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30

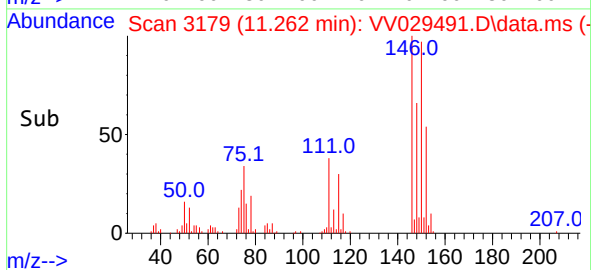
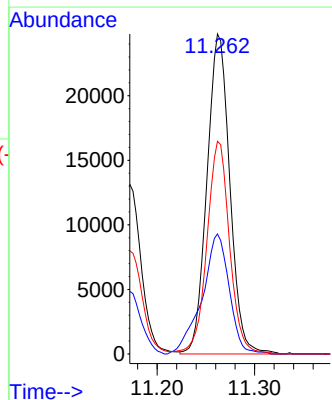
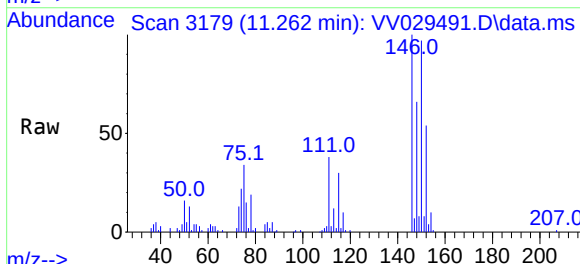
Instrument :
MSVOA_V
ClientSampleId :
F5N00

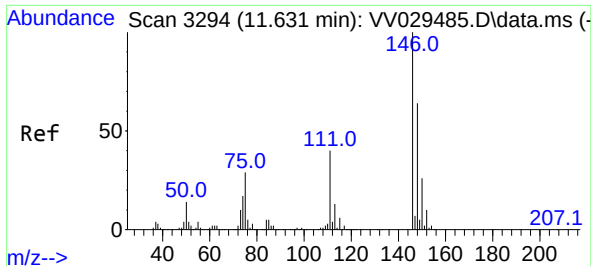
Tgt Ion:146 Resp: 20395
Ion Ratio Lower Upper
146 100
111 36.8 27.4 51.0
148 60.8 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 5.598 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30

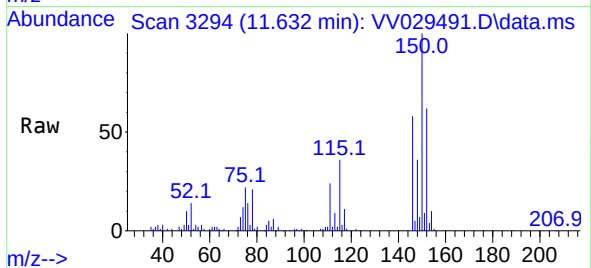
Tgt Ion:146 Resp: 40413
Ion Ratio Lower Upper
146 100
111 37.5 26.2 48.8
148 66.4 44.7 83.1





#67
 1,2-Dichlorobenzene
 Concen: 6.232 ug/L
 RT: 11.632 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV029491.D
 Acq: 08 Dec 2022 22:30

Instrument :
 MSVOA_V
 ClientSampleId :
 F5N00



Tgt Ion:146 Resp: 45269

Ion	Ratio	Lower	Upper
146	100		
111	41.0	32.0	48.0
148	62.5	50.6	76.0

