

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051523\
 Data File : VV031023.D
 Acq On : 15 May 2023 11:48
 Operator : SY/MD
 Sample : 02790-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 15 12:17:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 06 01:44:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	138786	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	135714	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	65290	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	55108	4.819	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.400%
7) Chloroethane-d5	1.539	69	45371	4.864	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.200%
11) 1,1-Dichloroethene-d2	2.066	65	25662	4.241	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.800%
20) 2-Butanone-d5	3.815	46	126715	62.492	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.980%
24) Chloroform-d	4.259	84	110071	4.844	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	4.950	65	58005	5.021	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
32) Benzene-d6	4.969	84	195456	4.913	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
36) 1,2-Dichloropropane-d6	5.998	67	58648	5.070	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.400%
41) Toluene-d8	7.252	98	163810	4.324	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	7.561	79	19915	4.593	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.800%
46) 2-Hexanone-d5	8.034	63	69439	45.708	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.420%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	39158	4.670	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	11.567	152	61628	5.064	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	1425	0.111	ug/L	90
5) Vinyl chloride	1.288	62	834173	77.461	ug/L	99
6) Bromomethane	1.494	94	510	0.099	ug/L	94
8) Chloroethane	1.555	64	15657	2.389	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	1590	0.157	ug/L #	22
12) 1,1-Dichloroethene	2.076	96	94778	10.147	ug/L #	70
18) trans-1,2-Dichloroethene	2.703	96	115667	13.558	ug/L	97
19) 1,1-Dichloroethane	3.121	63	5926	0.360	ug/L	88
22) cis-1,2-Dichloroethene	3.821	96	5476034	608.352	ug/L	93
29) 1,1,1-Trichloroethane	4.522	97	19908	1.167	ug/L	98
35) Methylcyclohexane	5.995	83	15967	1.132	ug/L #	17
37) 1,2-Dichloropropane	5.998	63	7907	0.977	ug/L #	87
42) Toluene	7.326	91	69852	1.901	ug/L	98
44) trans-1,3-Dichloropropene	7.567	75	1209	0.117	ug/L #	34
47) Tetrachloroethene	7.911	164	1556	0.179	ug/L	96
53) m,p-Xylene	9.088	106	1491	0.093	ug/L	92
54) o-Xylene	9.496	106	840	0.055	ug/L	92
61) 1,2,3-Trichloropropane	11.191	75	7532	1.836	ug/L #	57
71) Naphthalene	13.455	128	1060	0.067	ug/L #	75

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat May 06 01:44:36 2023
Response via : Initial Calibration

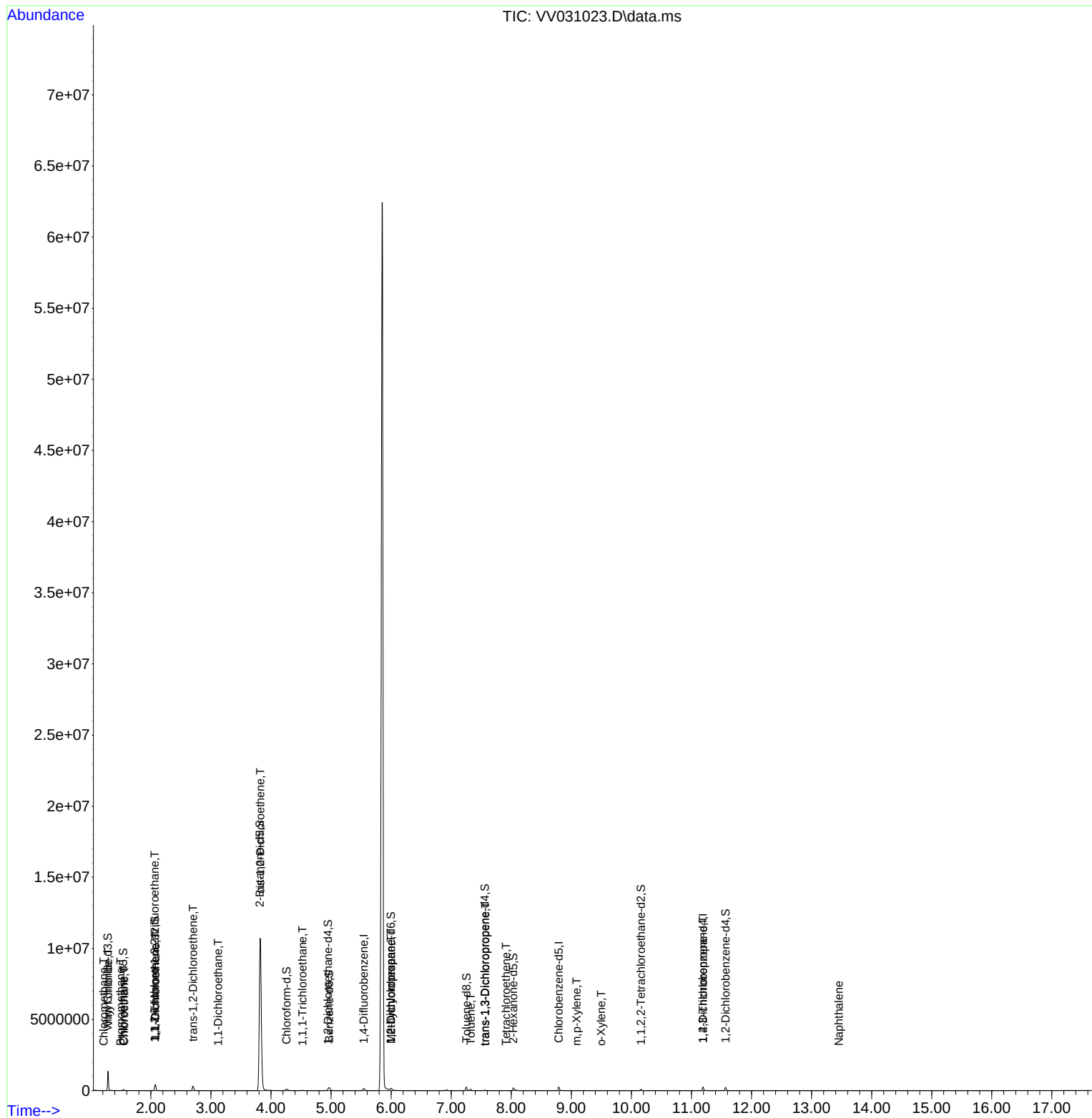
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

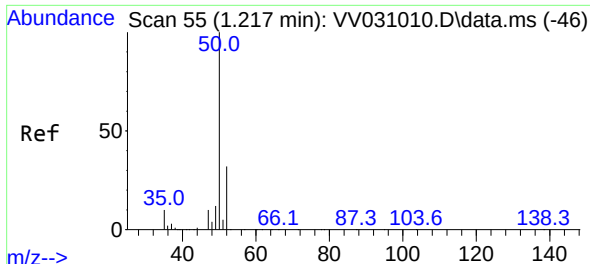
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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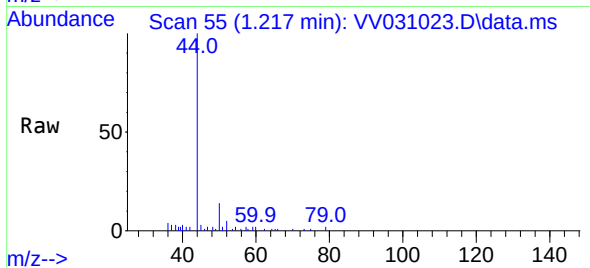
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat May 06 01:44:36 2023
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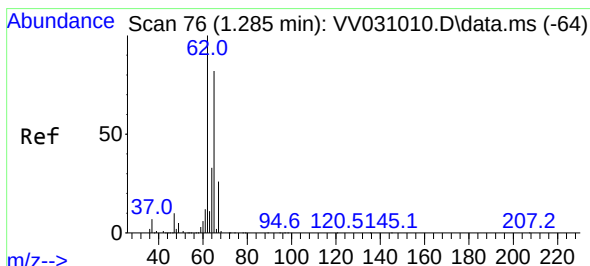
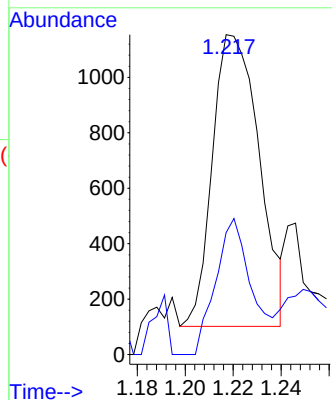
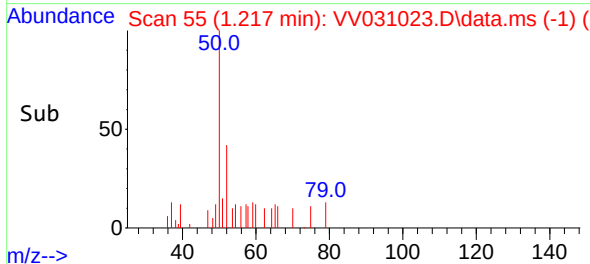


#3
Chloromethane
Concen: 0.111 ug/L
RT: 1.217 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV031023.D
Acq: 15 May 2023 11:48

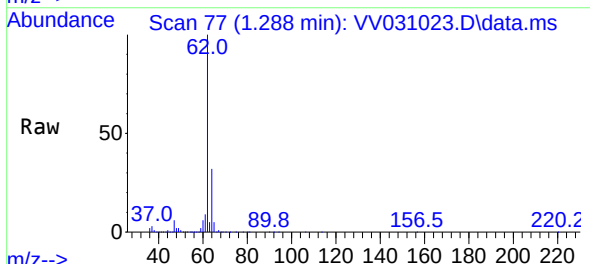
Instrument :
MSVOA_V
ClientSampleId :



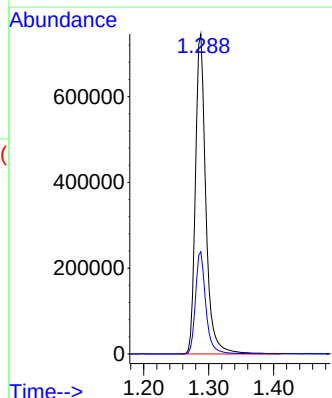
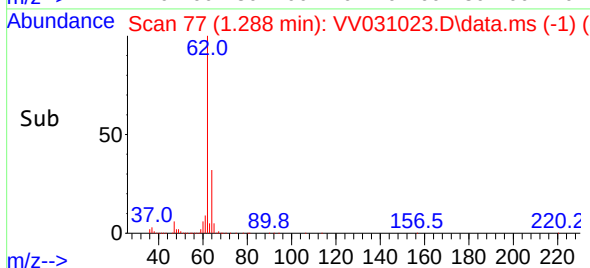
Tgt Ion: 50 Resp: 1425
Ion Ratio Lower Upper
50 100
52 38.1 22.8 42.4

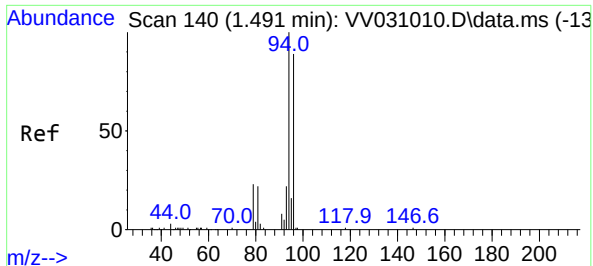


#5
Vinyl chloride
Concen: 77.461 ug/L
RT: 1.288 min Scan# 77
Delta R.T. 0.003 min
Lab File: VV031023.D
Acq: 15 May 2023 11:48



Tgt Ion: 62 Resp: 834173
Ion Ratio Lower Upper
62 100
64 31.9 22.8 42.4

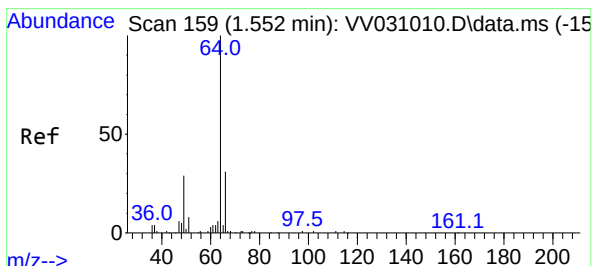
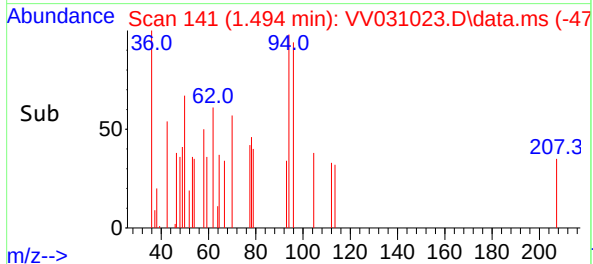
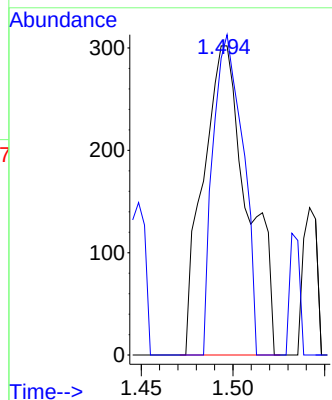
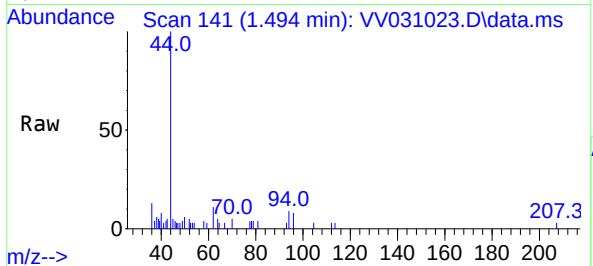




#6
Bromomethane
Concen: 0.099 ug/L
RT: 1.494 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV031023.D
Acq: 15 May 2023 11:48

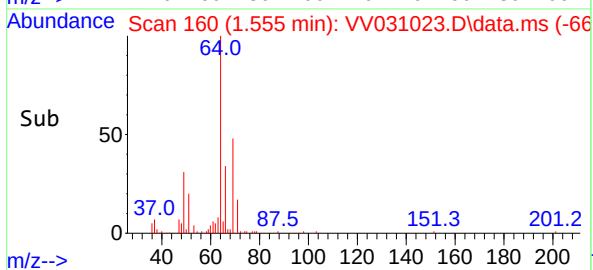
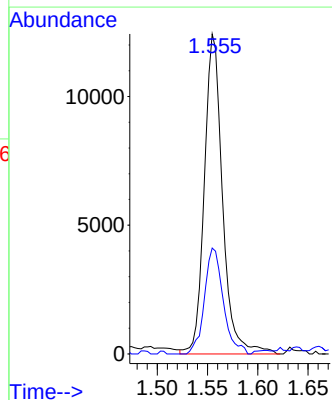
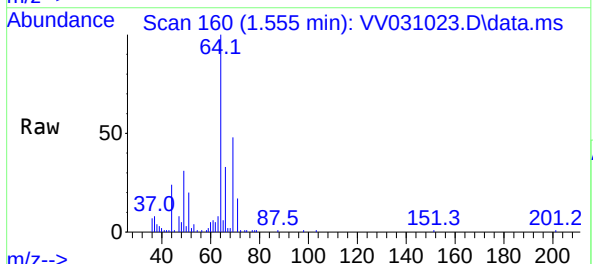
Instrument :
MSVOA_V
ClientSampleId :

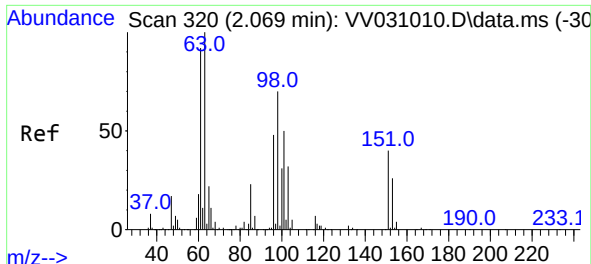
Tgt Ion: 94 Resp: 510
Ion Ratio Lower Upper
94 100
96 96.0 63.4 117.8



#8
Chloroethane
Concen: 2.389 ug/L
RT: 1.555 min Scan# 160
Delta R.T. 0.003 min
Lab File: VV031023.D
Acq: 15 May 2023 11:48

Tgt Ion: 64 Resp: 15657
Ion Ratio Lower Upper
64 100
66 33.1 22.1 41.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.157 ug/L

RT: 2.063 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV031023.D

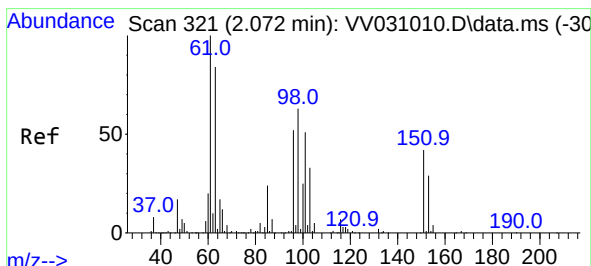
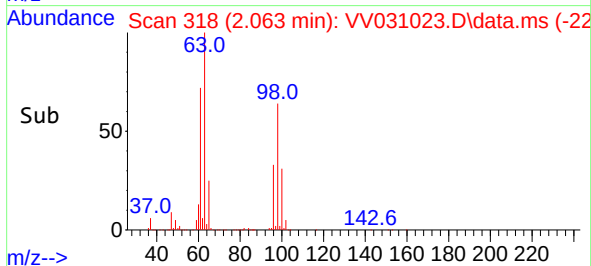
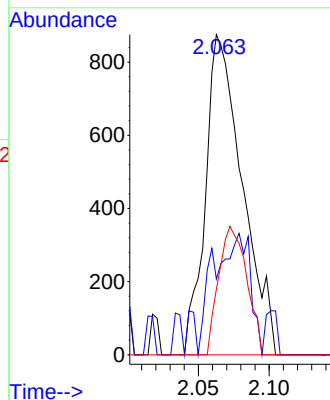
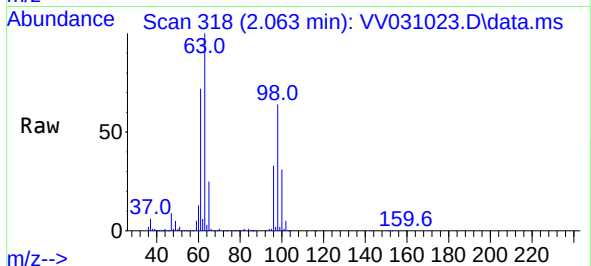
Acq: 15 May 2023 11:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	101	Resp:	1590
Ion	Ratio	Lower	Upper
101	100		
85	10.1	38.7	58.1#
151	0.0	65.1	97.7#



#12

1,1-Dichloroethene

Concen: 10.147 ug/L

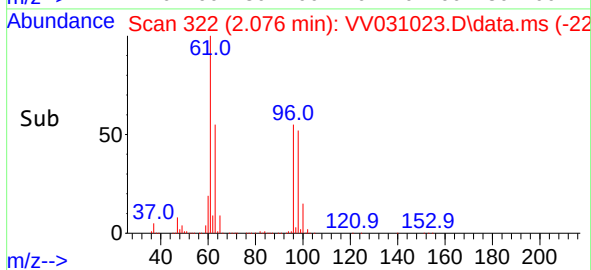
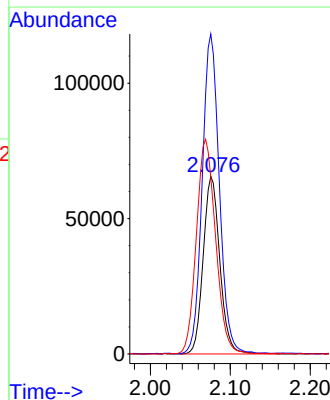
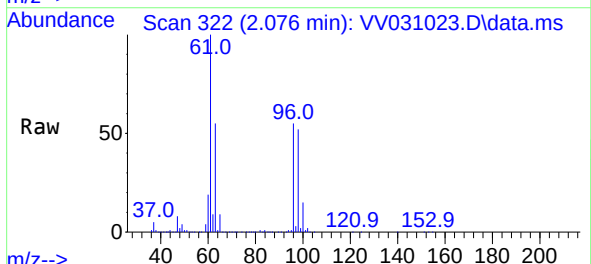
RT: 2.076 min Scan# 322

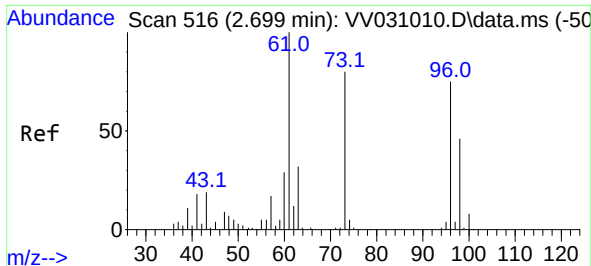
Delta R.T. 0.003 min

Lab File: VV031023.D

Acq: 15 May 2023 11:48

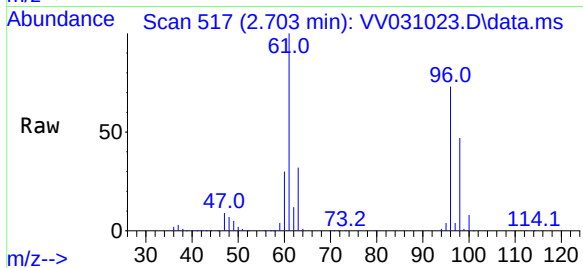
Tgt Ion:	96	Resp:	94778
Ion	Ratio	Lower	Upper
96	100		
61	180.2	135.6	251.8
63	99.7	121.1	224.9#



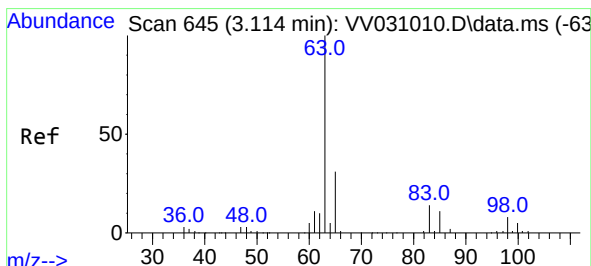
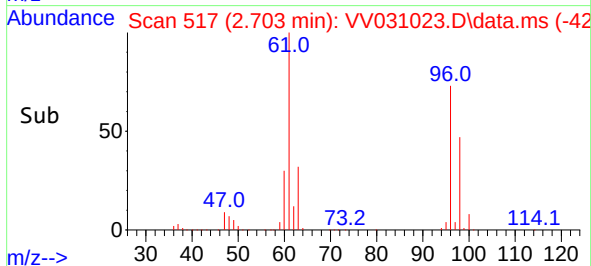
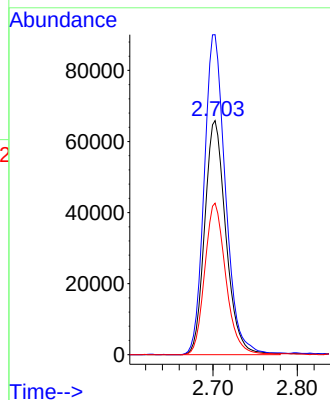


#18
trans-1,2-Dichloroethene
Concen: 13.558 ug/L
RT: 2.703 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV031023.D
Acq: 15 May 2023 11:48

Instrument :
MSVOA_V
ClientSampleId :

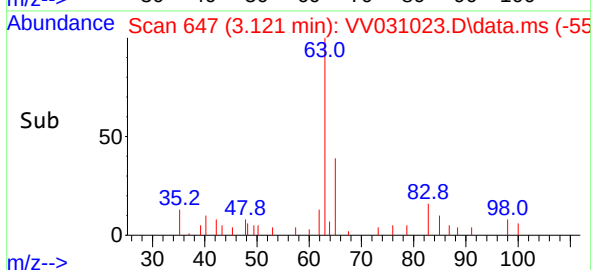
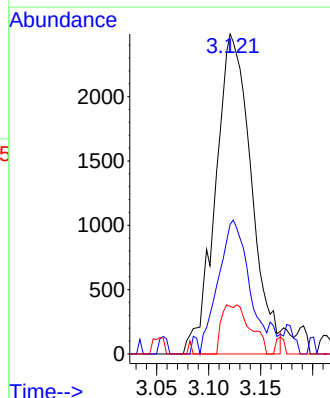
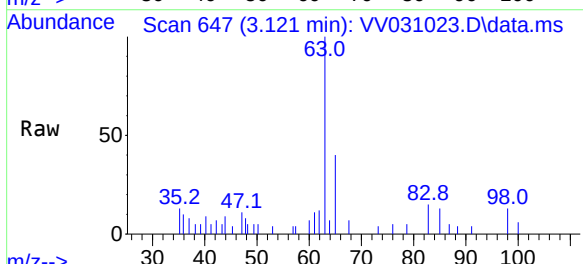


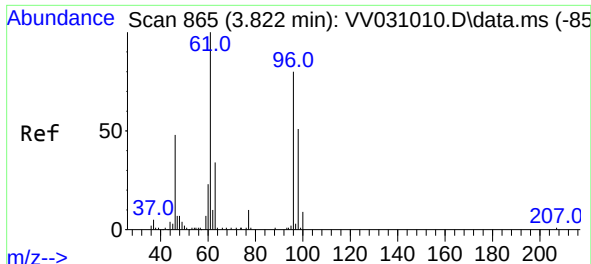
Tgt Ion: 96 Resp: 115667
Ion Ratio Lower Upper
96 100
61 136.7 98.9 183.7
98 64.8 46.0 85.4



#19
1,1-Dichloroethane
Concen: 0.360 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV031023.D
Acq: 15 May 2023 11:48

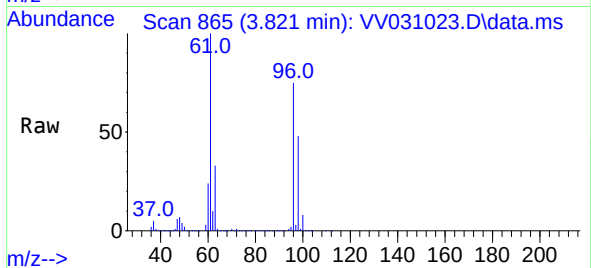
Tgt Ion: 63 Resp: 5926
Ion Ratio Lower Upper
63 100
65 40.5 21.8 40.6
83 14.8 10.2 19.0





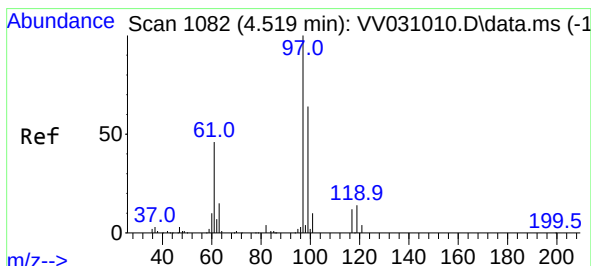
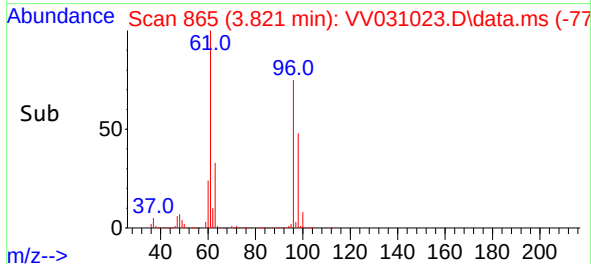
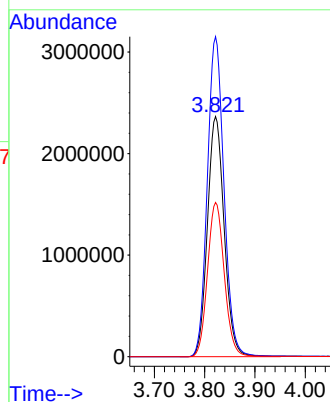
#22
 cis-1,2-Dichloroethene
 Concen: 608.352 ug/L
 RT: 3.821 min Scan# 865
 Delta R.T. -0.003 min
 Lab File: VV031023.D
 Acq: 15 May 2023 11:48

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 5476034

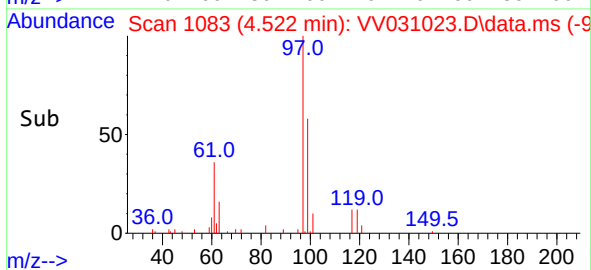
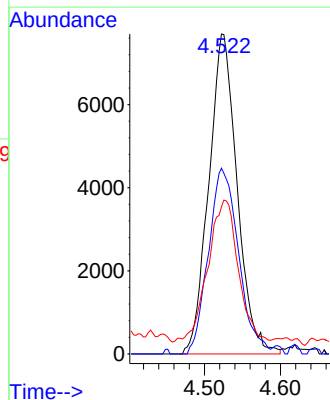
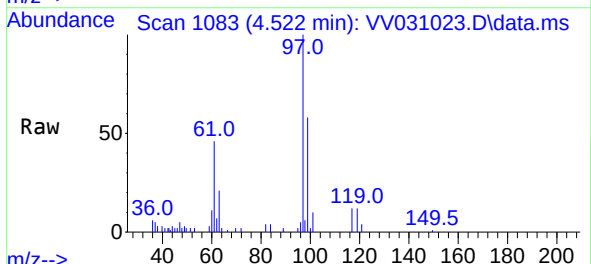
Ion	Ratio	Lower	Upper
96	100		
61	133.2	86.0	159.6
98	64.2	43.2	80.2

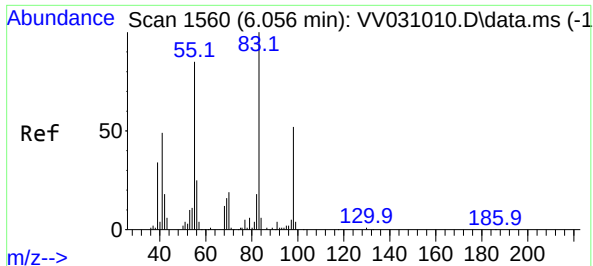


#29
 1,1,1-Trichloroethane
 Concen: 1.167 ug/L
 RT: 4.522 min Scan# 1083
 Delta R.T. 0.003 min
 Lab File: VV031023.D
 Acq: 15 May 2023 11:48

Tgt Ion: 97 Resp: 19908

Ion	Ratio	Lower	Upper
97	100		
99	61.8	51.4	77.2
61	47.5	37.4	56.0

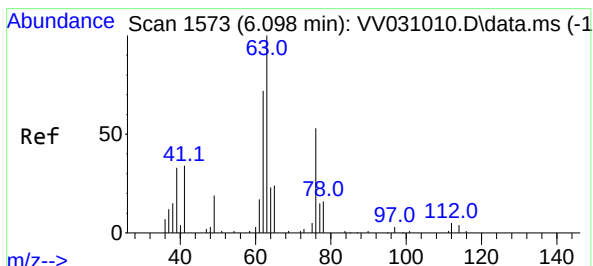
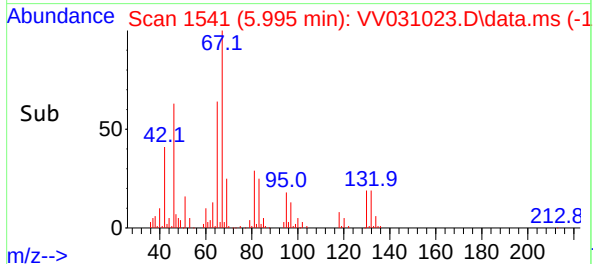
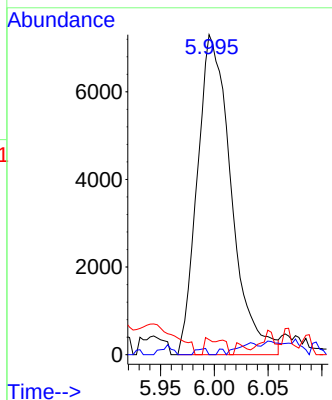
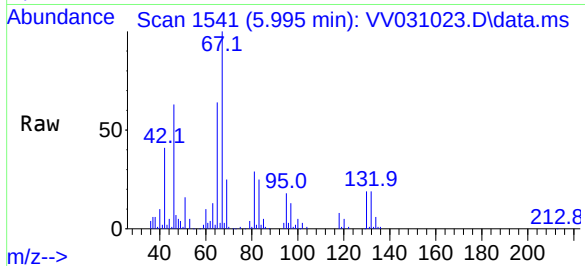




#35
Methylcyclohexane
Concen: 1.132 ug/L
RT: 5.995 min Scan# 1541
Delta R.T. -0.061 min
Lab File: VV031023.D
Acq: 15 May 2023 11:48

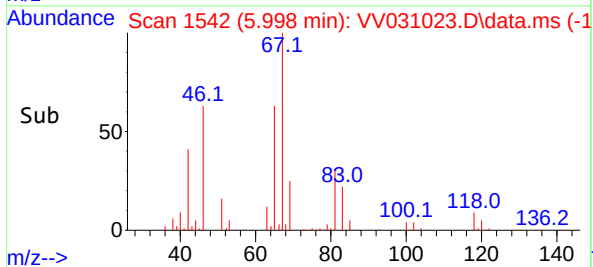
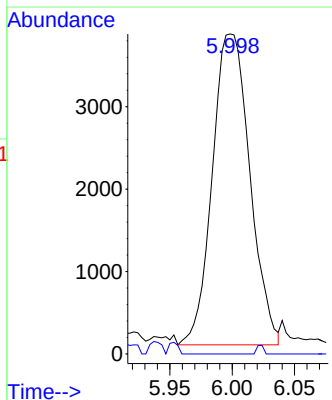
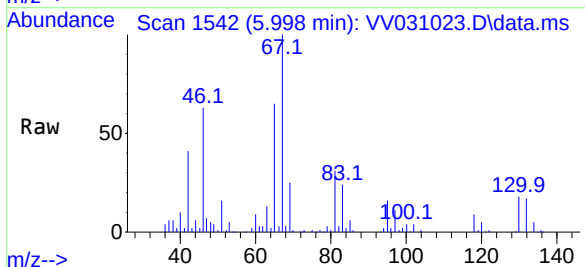
Instrument :
MSVOA_V
ClientSampleId :

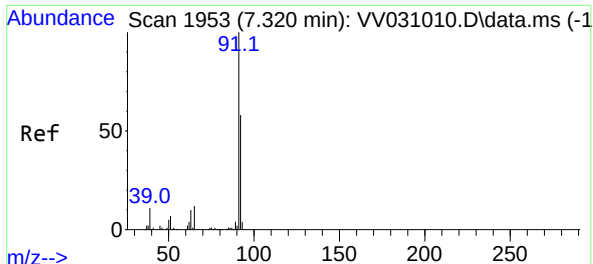
Tgt Ion: 83 Resp: 15967
Ion Ratio Lower Upper
83 100
55 0.6 62.9 94.3#
98 0.0 40.5 60.7#



#37
1,2-Dichloropropane
Concen: 0.977 ug/L
RT: 5.998 min Scan# 1542
Delta R.T. -0.103 min
Lab File: VV031023.D
Acq: 15 May 2023 11:48

Tgt Ion: 63 Resp: 7907
Ion Ratio Lower Upper
63 100
112 0.5 3.8 5.8#





#42

Toluene

Concen: 1.901 ug/L

RT: 7.326 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031023.D

Acq: 15 May 2023 11:48

Instrument :

MSVOA_V

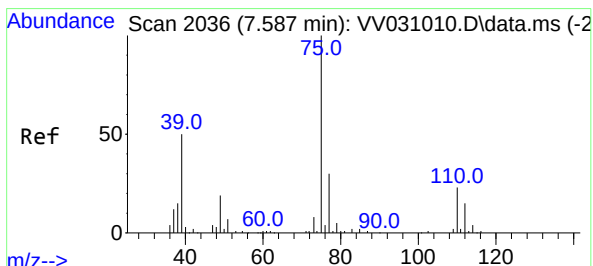
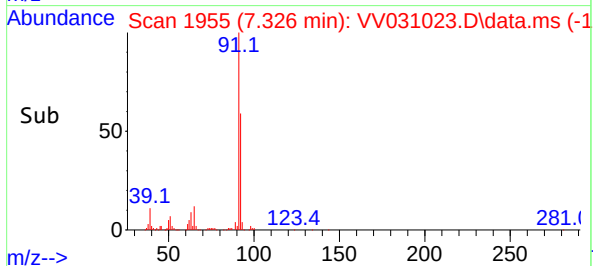
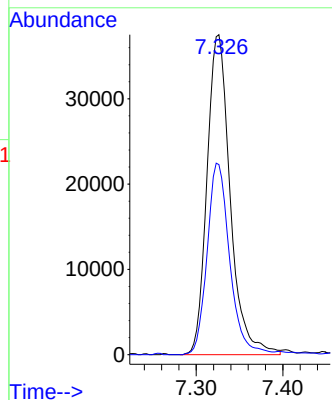
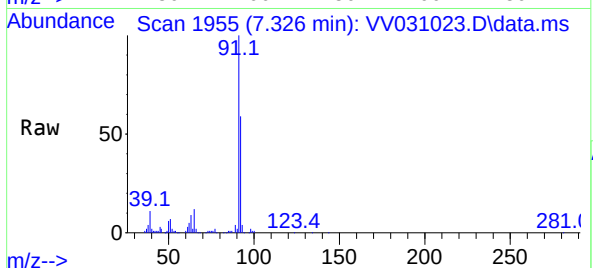
ClientSampleId :

Tgt Ion: 91 Resp: 69852

Ion Ratio Lower Upper

91 100

92 59.4 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 0.117 ug/L

RT: 7.567 min Scan# 2030

Delta R.T. -0.023 min

Lab File: VV031023.D

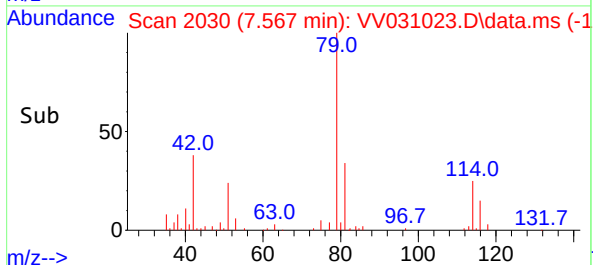
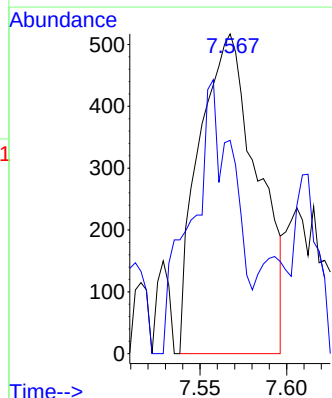
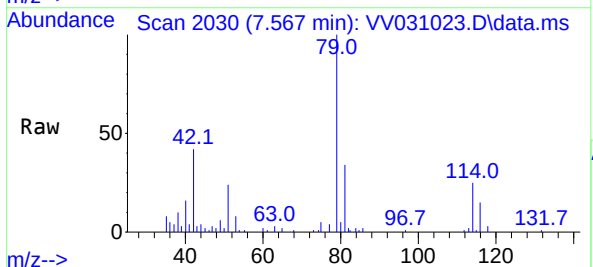
Acq: 15 May 2023 11:48

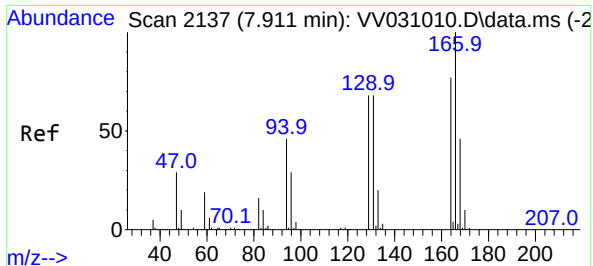
Tgt Ion: 75 Resp: 1209

Ion Ratio Lower Upper

75 100

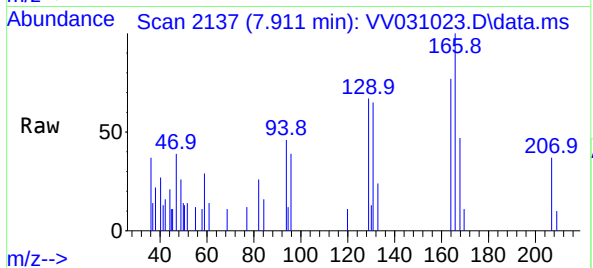
77 66.7 21.6 40.0#





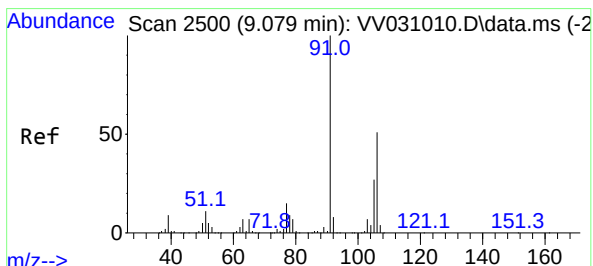
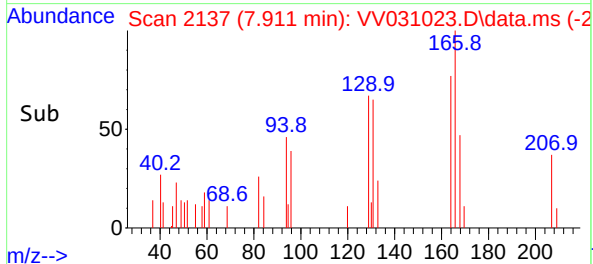
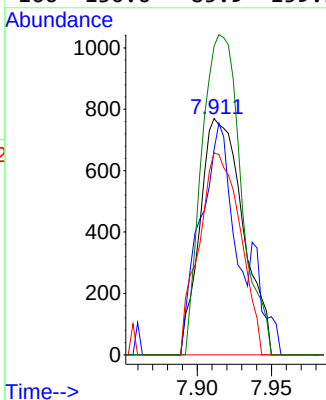
#47
Tetrachloroethene
Concen: 0.179 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031023.D
Acq: 15 May 2023 11:48

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:164 Resp: 1556

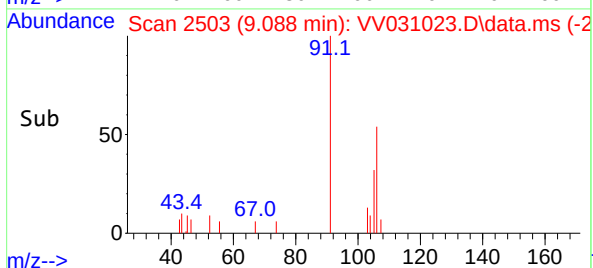
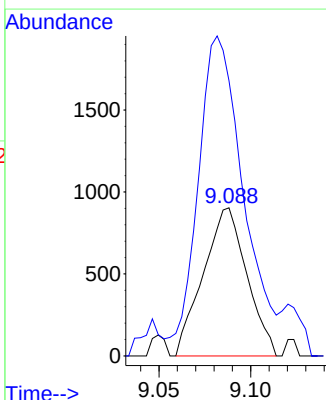
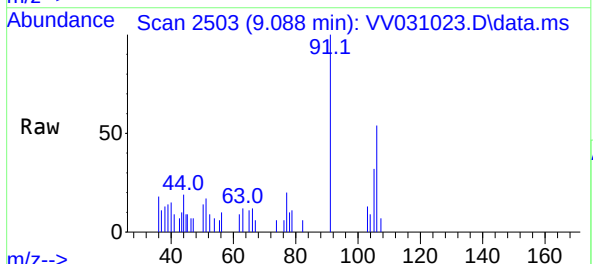
Ion	Ratio	Lower	Upper
164	100		
129	86.9	60.5	112.3
131	85.5	60.8	112.8
166	130.6	85.9	159.5

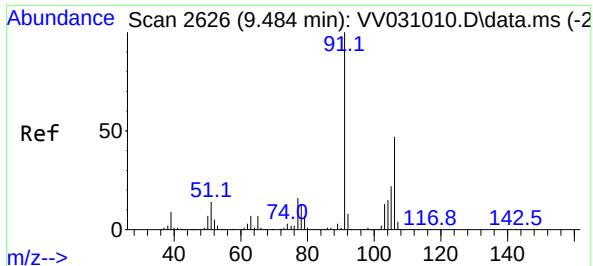


#53
m,p-Xylene
Concen: 0.093 ug/L
RT: 9.088 min Scan# 2503
Delta R.T. 0.010 min
Lab File: VV031023.D
Acq: 15 May 2023 11:48

Tgt Ion:106 Resp: 1491

Ion	Ratio	Lower	Upper
106	100		
91	185.7	138.7	257.5

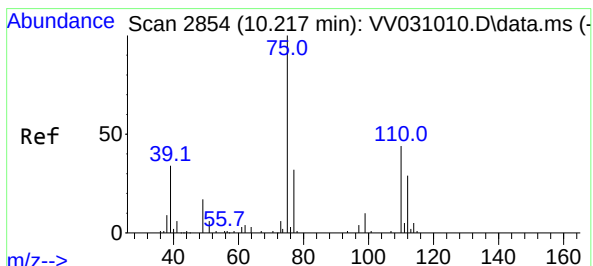
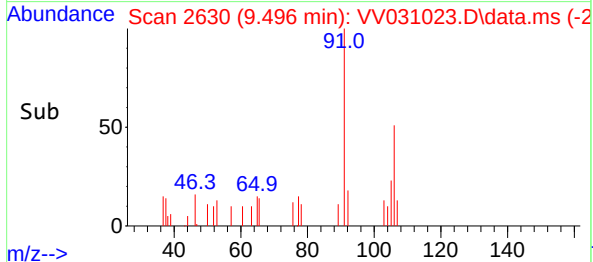
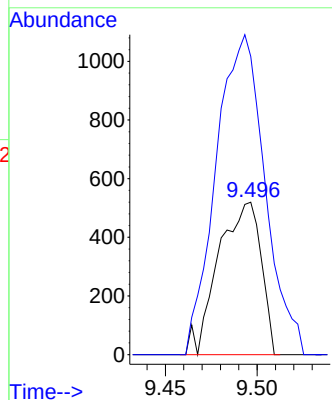
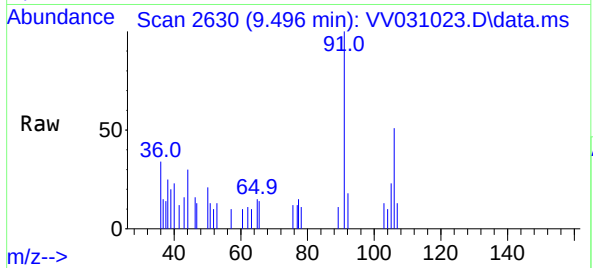




#54
o-Xylene
Concen: 0.055 ug/L
RT: 9.496 min Scan# 210
Delta R.T. 0.013 min
Lab File: VV031023.D
Acq: 15 May 2023 11:48

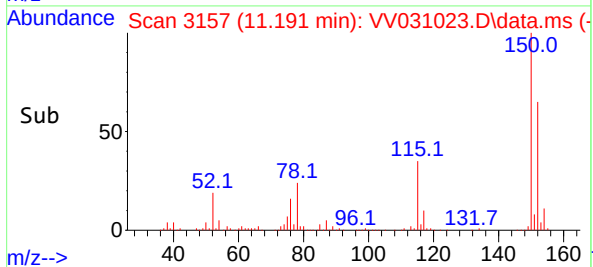
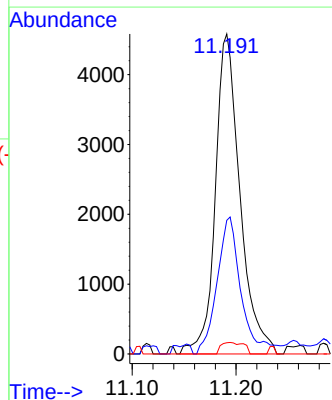
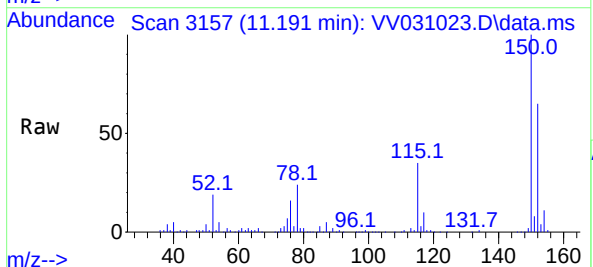
Instrument :
MSVOA_V
ClientSampleId :

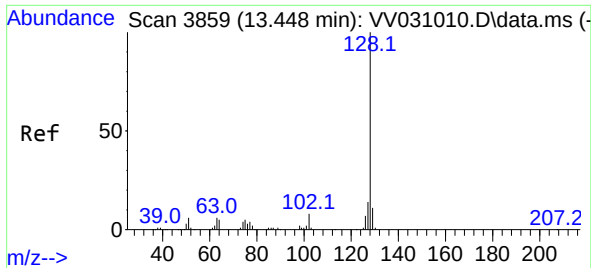
Tgt Ion:106 Resp: 840
Ion Ratio Lower Upper
106 100
91 195.6 145.1 269.5



#61
1,2,3-Trichloropropane
Concen: 1.836 ug/L
RT: 11.191 min Scan# 3157
Delta R.T. 0.974 min
Lab File: VV031023.D
Acq: 15 May 2023 11:48

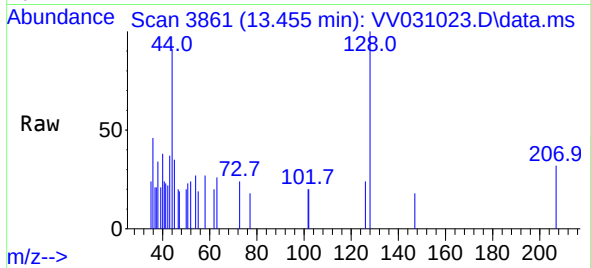
Tgt Ion: 75 Resp: 7532
Ion Ratio Lower Upper
75 100
77 42.1 25.3 37.9#
110 3.3 34.0 51.0#





#71
 Naphthalene
 Concen: 0.067 ug/L
 RT: 13.455 min Scan# 3861
 Delta R.T. 0.006 min
 Lab File: VV031023.D
 Acq: 15 May 2023 11:48

Instrument : MSVOA_V
 ClientSampleId :



Tgt Ion:	128	Resp:	1060
Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.6	13.0#
127	4.4	10.6	16.0#

