

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040723\
 Data File : VV030454.D
 Acq On : 07 Apr 2023 19:48
 Operator : SY/MD
 Sample : 02225-20
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AE4

Quant Time: Apr 10 04:00:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Apr 10 03:52:52 2023
 Response via : Initial Calibration

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

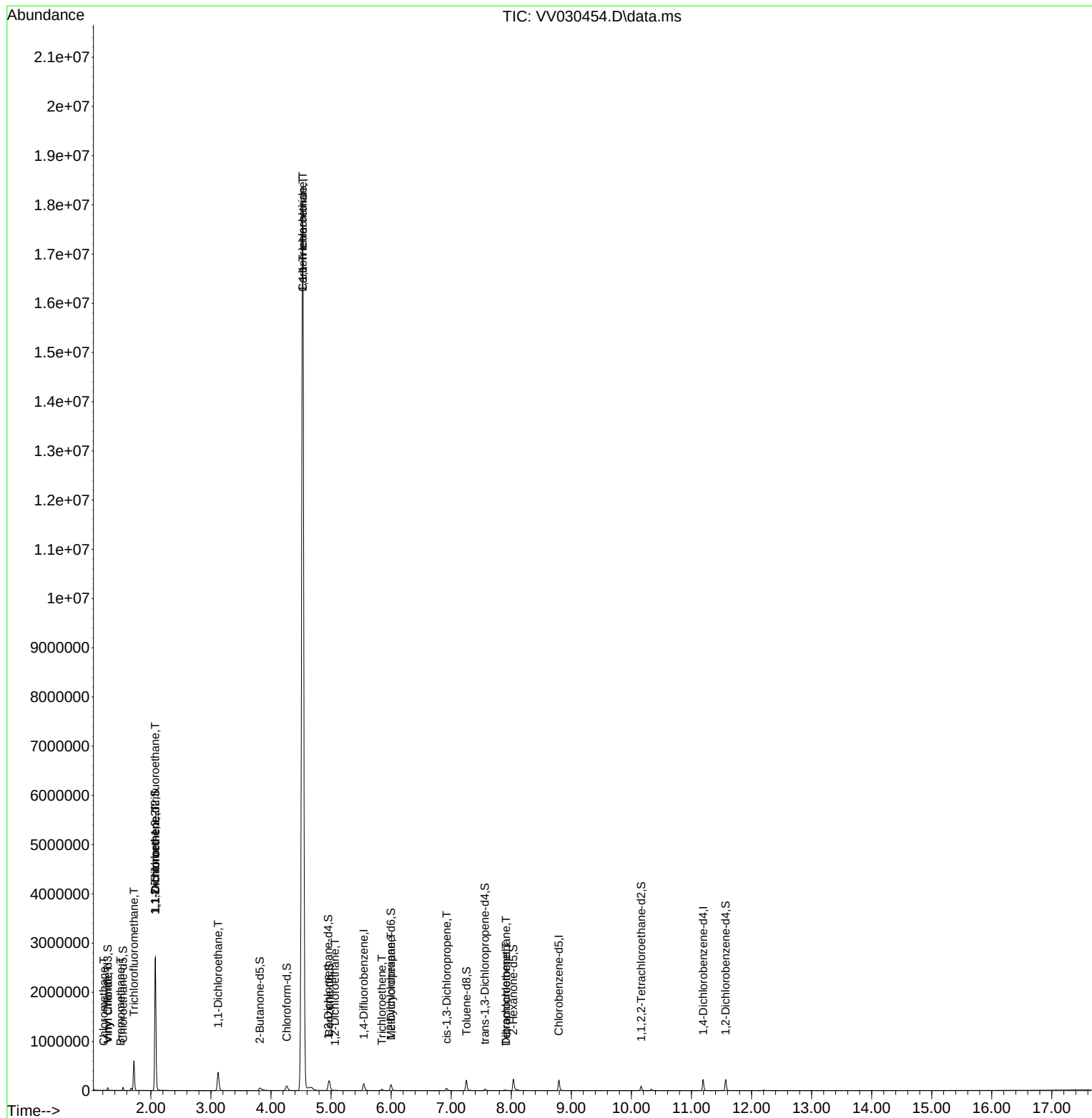
Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	120405	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	118366	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	59060	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	33251	4.170	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.400%
7) Chloroethane-d5	1.535	69	36465	4.712	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.200%
11) 1,1-Dichloroethene-d2	2.072	63	497463	26.289	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	525.800%#
20) 2-Butanone-d5	3.815	46	112057	54.366	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.740%
24) Chloroform-d	4.262	84	95213	4.933	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
26) 1,2-Dichloroethane-d4	4.953	65	50794	5.578	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.600%
32) Benzene-d6	4.969	84	174176	5.222	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.400%
36) 1,2-Dichloropropane-d6	5.998	67	53449	5.118	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.400%
41) Toluene-d8	7.252	98	144615	4.721	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	7.561	79	17442	4.436	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.800%
46) 2-Hexanone-d5	8.034	63	81308	51.465	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.920%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	40983	4.980	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.600%
66) 1,2-Dichlorobenzene-d4	11.570	152	57801	5.476	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.600%
Target Compounds						Qvalue
3) Chloromethane	1.217	50	3344	0.173	ug/L	98
5) Vinyl chloride	1.285	62	2033	0.144	ug/L #	45
6) Bromomethane	1.497	94	548	0.136	ug/L	94
9) Trichlorofluoromethane	1.719	101	346563	16.884	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	2617	0.231	ug/L #	31
12) 1,1-Dichloroethene	2.076	96	742087	73.763	ug/L #	70
19) 1,1-Dichloroethane	3.121	63	361285	17.584	ug/L	98
27) 1,2-Dichloroethane	5.066	62	1398	0.111	ug/L #	73
29) 1,1,1-Trichloroethane	4.529	97	14223010	747.604	ug/L	96
31) Carbon tetrachloride	4.529	117	1802696	104.430	ug/L	99
34) Trichloroethene	5.847	95	8615	0.760	ug/L	97
35) Methylcyclohexane	5.995	83	14442	0.811	ug/L #	16
39) cis-1,3-Dichloropropene	6.924	75	1498	0.099	ug/L #	49
47) Tetrachloroethene	7.915	164	2385	0.238	ug/L	93
49) Dibromochloromethane	7.915	129	2361	0.261	ug/L #	12

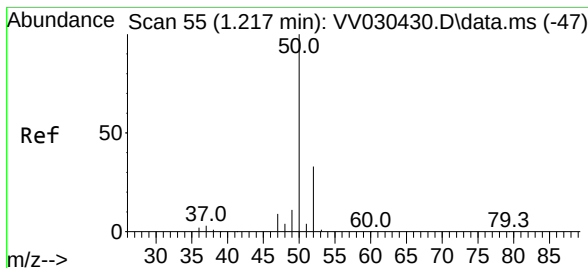
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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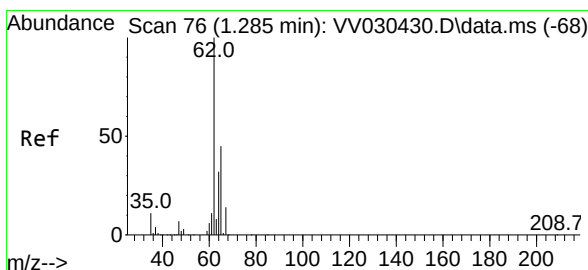
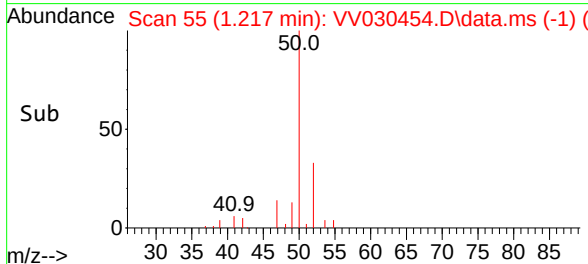
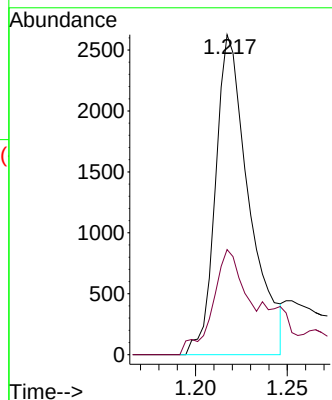
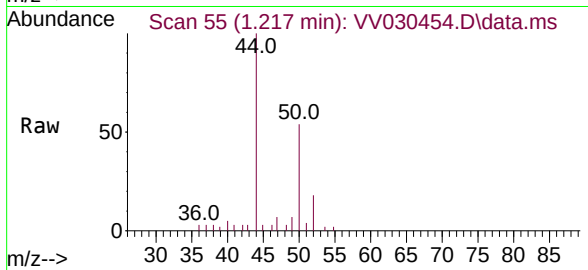




#3
Chloromethane
Concen: 0.173 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV030454.D
Acq: 07 Apr 2023 19:48

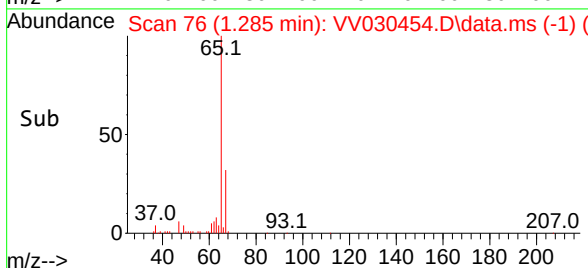
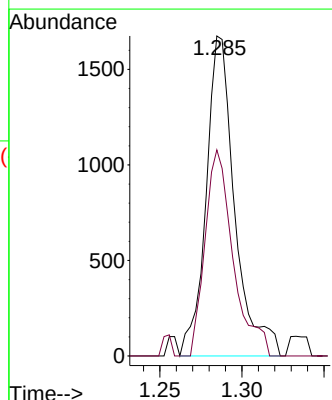
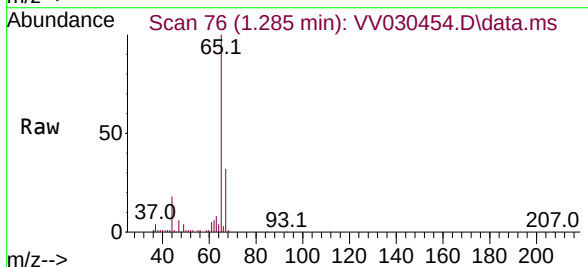
Instrument :
MSVOA_V
ClientSampleId :
C0AE4

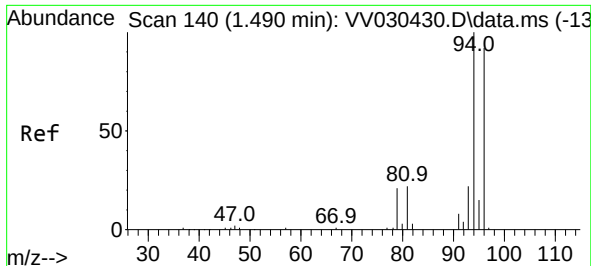
Tgt Ion: 50 Resp: 3344
Ion Ratio Lower Upper
50 100
52 32.8 22.3 41.5



#5
Vinyl chloride
Concen: 0.144 ug/L
RT: 1.285 min Scan# 76
Delta R.T. 0.000 min
Lab File: VV030454.D
Acq: 07 Apr 2023 19:48

Tgt Ion: 62 Resp: 2033
Ion Ratio Lower Upper
62 100
64 64.4 23.2 43.2#





#6

Bromomethane

Concen: 0.136 ug/L

RT: 1.497 min Scan# 140

Delta R.T. 0.006 min

Lab File: VV030454.D

Acq: 07 Apr 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

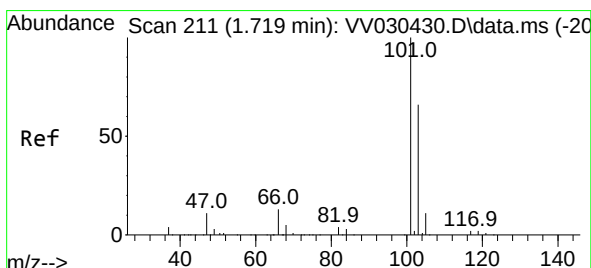
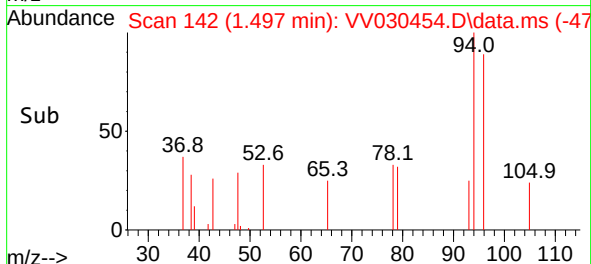
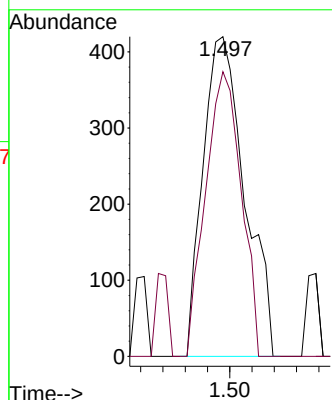
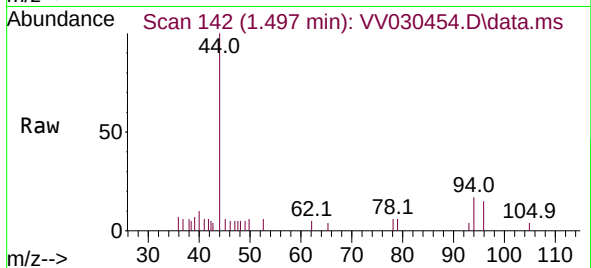
C0AE4

Tgt Ion: 94 Resp: 548

Ion Ratio Lower Upper

94 100

96 89.0 66.1 122.7



#9

Trichlorofluoromethane

Concen: 16.884 ug/L

RT: 1.719 min Scan# 211

Delta R.T. 0.000 min

Lab File: VV030454.D

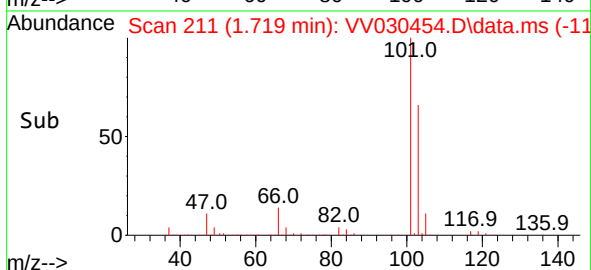
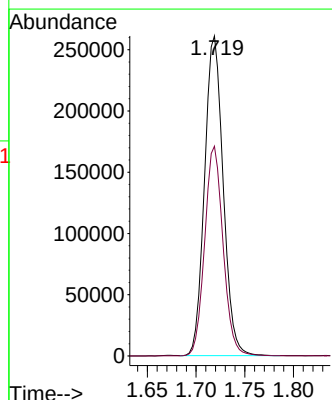
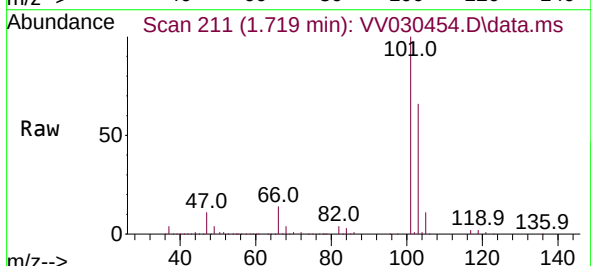
Acq: 07 Apr 2023 19:48

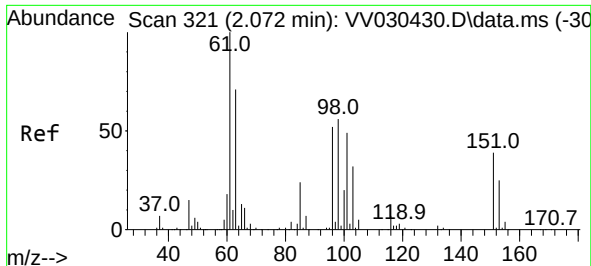
Tgt Ion:101 Resp: 346563

Ion Ratio Lower Upper

101 100

103 64.8 51.0 76.6

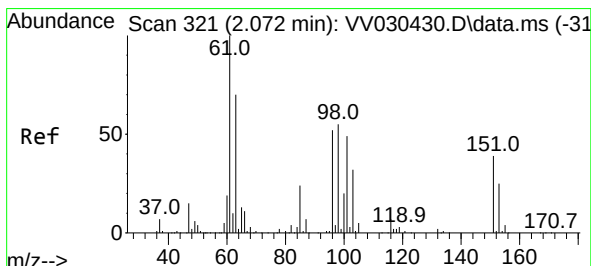
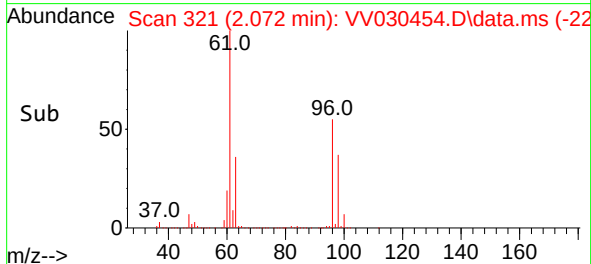
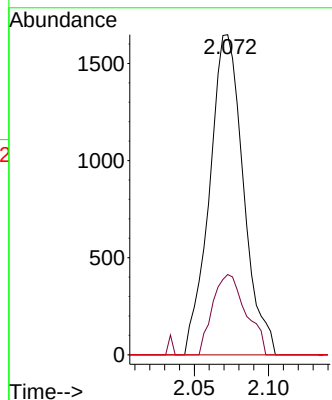
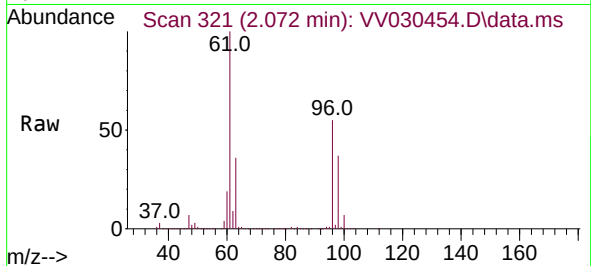




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.231 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV030454.D
 Acq: 07 Apr 2023 19:48

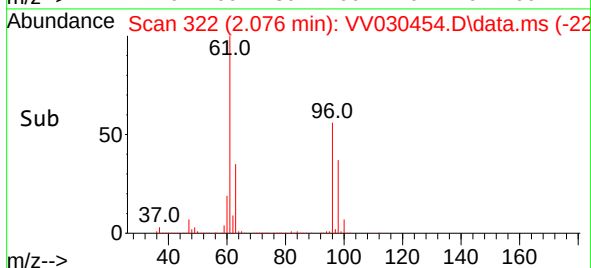
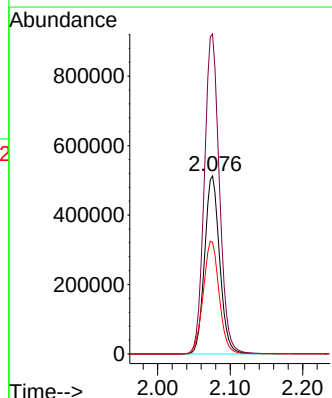
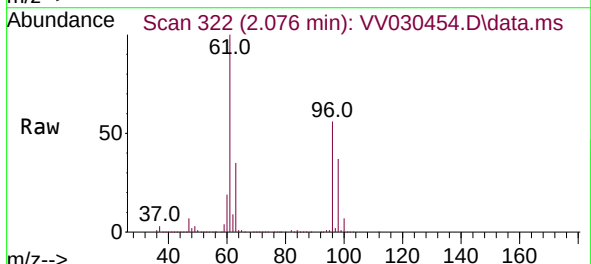
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AE4

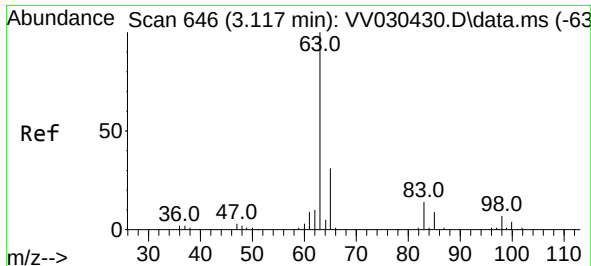
Tgt Ion:101 Resp: 2617
 Ion Ratio Lower Upper
 101 100
 85 24.6 38.1 57.1#
 151 0.0 62.7 94.1#



#12
 1,1-Dichloroethene
 Concen: 73.763 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV030454.D
 Acq: 07 Apr 2023 19:48

Tgt Ion: 96 Resp: 742087
 Ion Ratio Lower Upper
 96 100
 61 179.7 136.3 253.1
 63 62.8 92.1 171.1#





#19

1,1-Dichloroethane

Concen: 17.584 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030454.D

Acq: 07 Apr 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

C0AE4

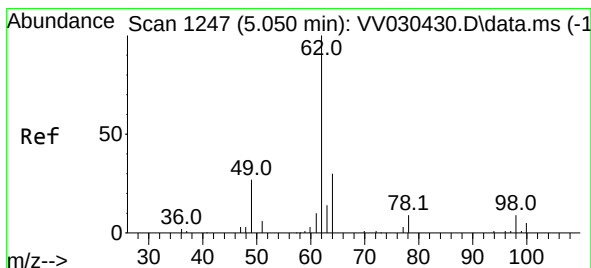
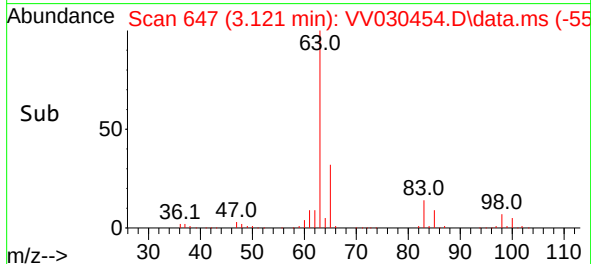
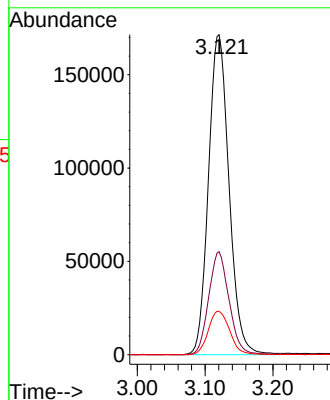
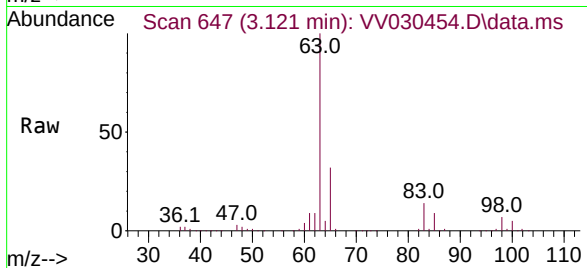
Tgt Ion: 63 Resp: 361285

Ion Ratio Lower Upper

63 100

65 32.2 21.7 40.3

83 13.6 9.1 16.9



#27

1,2-Dichloroethane

Concen: 0.111 ug/L

RT: 5.066 min Scan# 1252

Delta R.T. 0.016 min

Lab File: VV030454.D

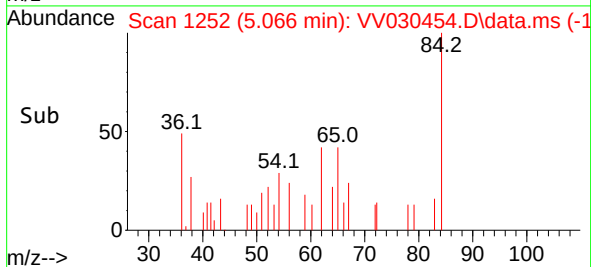
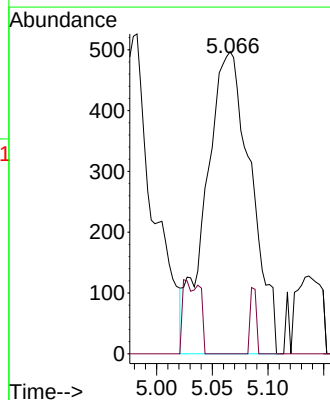
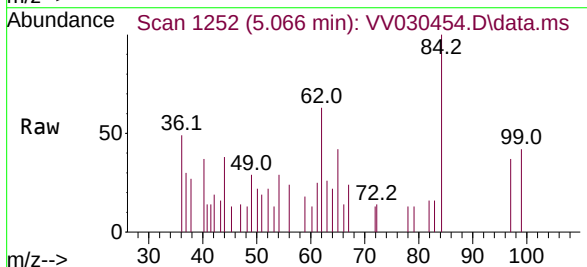
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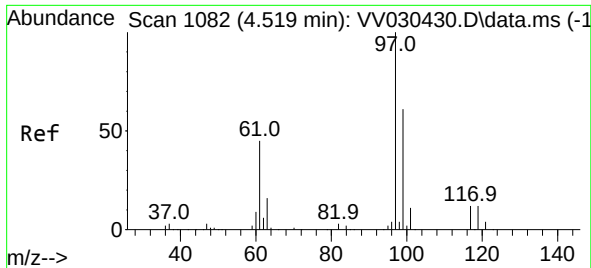
Tgt Ion: 62 Resp: 1398

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#





#29

1,1,1-Trichloroethane

Concen: 747.604 ug/L

RT: 4.529 min Scan# 1085

Delta R.T. 0.010 min

Lab File: VV030454.D

Acq: 07 Apr 2023 19:48

Instrument :

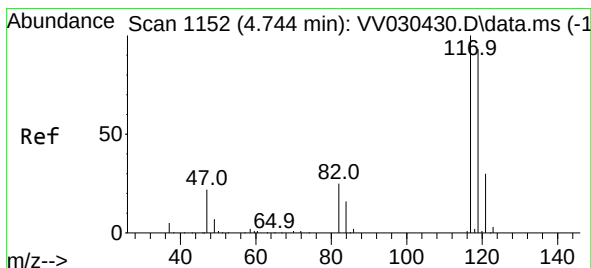
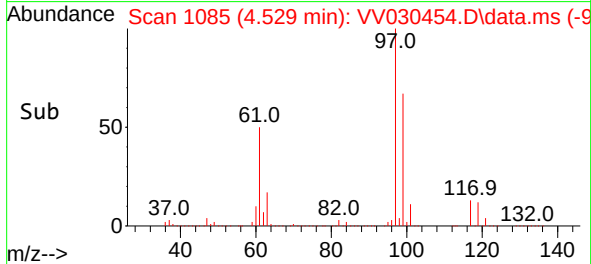
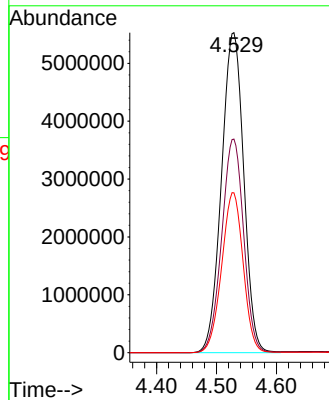
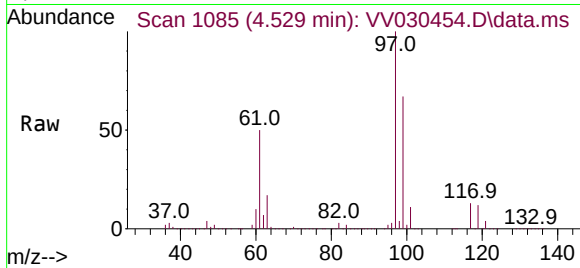
MSVOA_V

ClientSampleId :

C0AE4

Tgt Ion: 97 Resp:14223010

Ion	Ratio	Lower	Upper
97	100		
99	65.9	50.9	76.3
61	48.3	35.9	53.9



#31

Carbon tetrachloride

Concen: 104.430 ug/L

RT: 4.529 min Scan# 1085

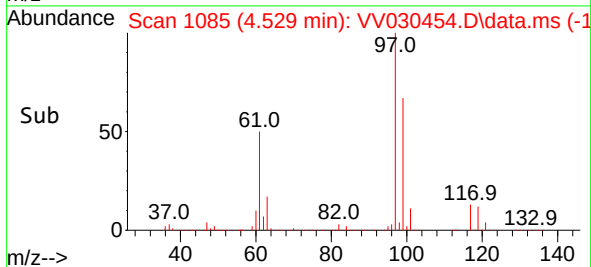
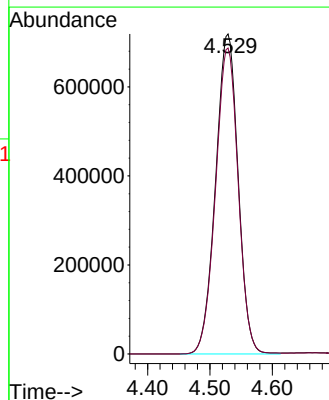
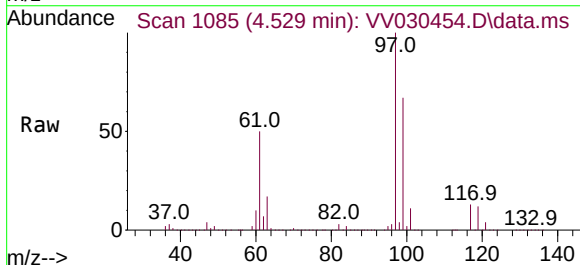
Delta R.T. -0.215 min

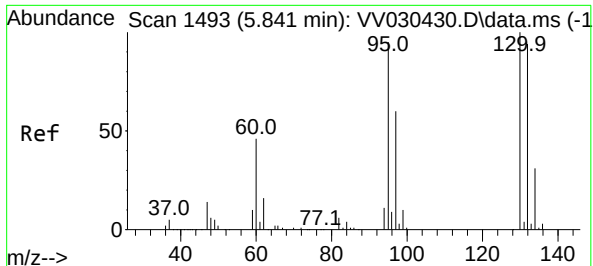
Lab File: VV030454.D

Acq: 07 Apr 2023 19:48

Tgt Ion:117 Resp: 1802696

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.2	114.4

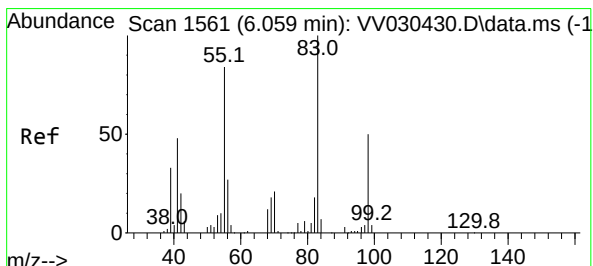
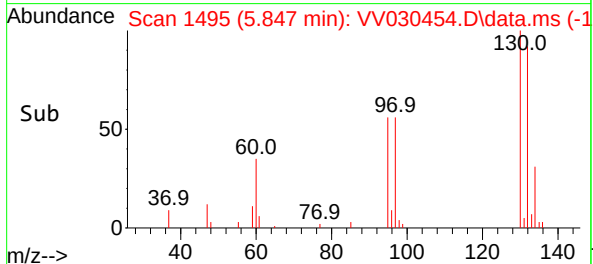
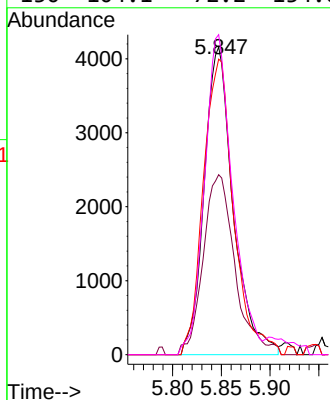
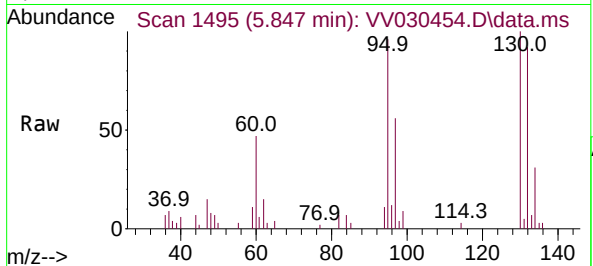




#34
 Trichloroethene
 Concen: 0.760 ug/L
 RT: 5.847 min Scan# 1493
 Delta R.T. 0.006 min
 Lab File: VV030454.D
 Acq: 07 Apr 2023 19:48

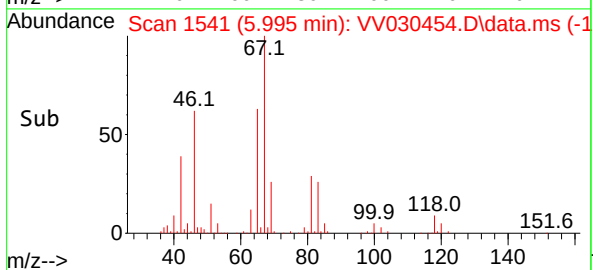
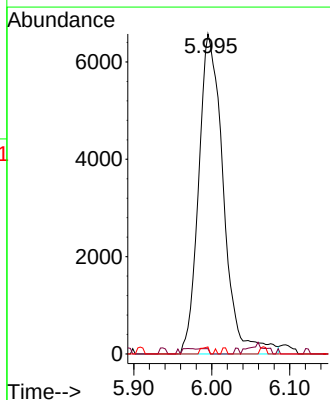
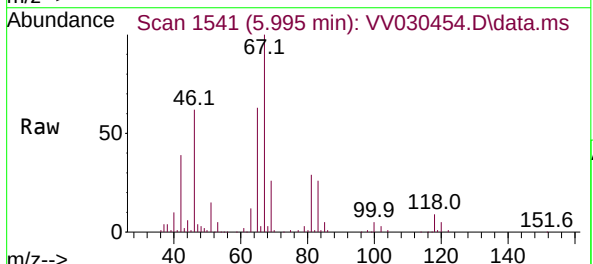
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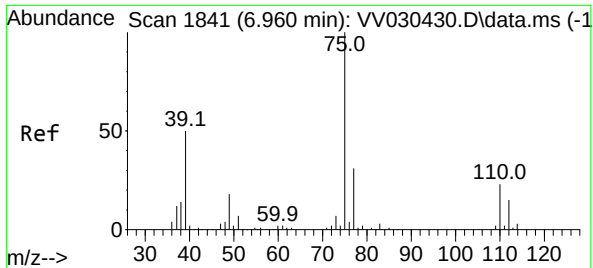
Tgt Ion: 95	Resp: 8615
Ion Ratio	Lower Upper
95 100	
97 58.6	44.2 82.2
132 96.1	69.5 129.1
130 104.1	72.2 134.0



#35
 Methylcyclohexane
 Concen: 0.811 ug/L
 RT: 5.995 min Scan# 1541
 Delta R.T. -0.064 min
 Lab File: VV030454.D
 Acq: 07 Apr 2023 19:48

Tgt Ion: 83	Resp: 14442
Ion Ratio	Lower Upper
83 100	
55 1.0	66.6 100.0#
98 0.7	38.6 58.0#





#39

cis-1,3-Dichloropropene

Concen: 0.099 ug/L

RT: 6.924 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV030454.D

Acq: 07 Apr 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

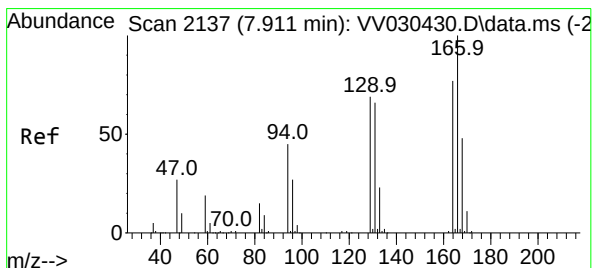
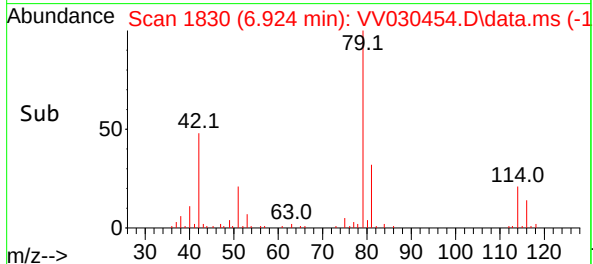
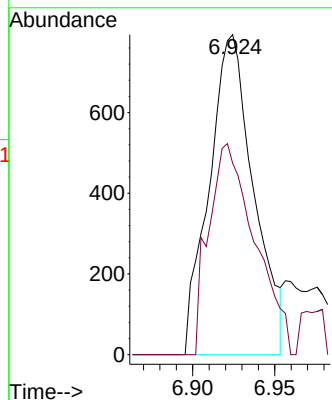
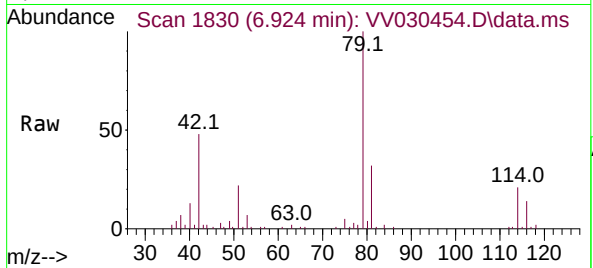
C0AE4

Tgt Ion: 75 Resp: 1498

Ion Ratio Lower Upper

75 100

77 59.8 22.0 41.0#



#47

Tetrachloroethene

Concen: 0.238 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VV030454.D

Acq: 07 Apr 2023 19:48

Tgt Ion: 164 Resp: 2385

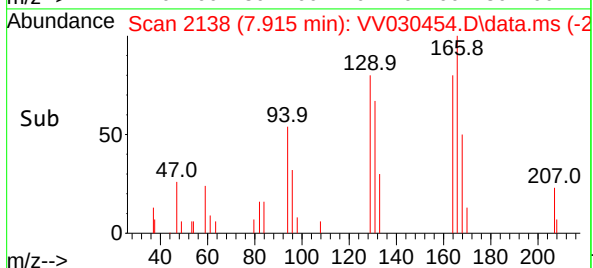
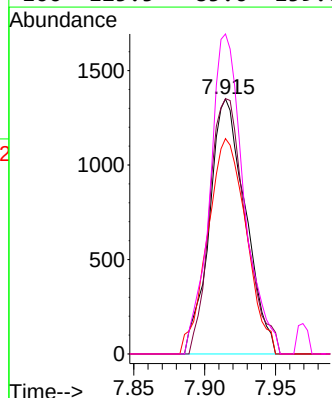
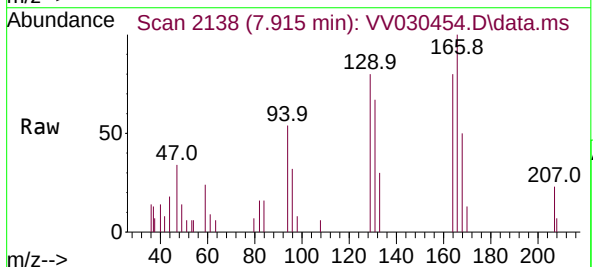
Ion Ratio Lower Upper

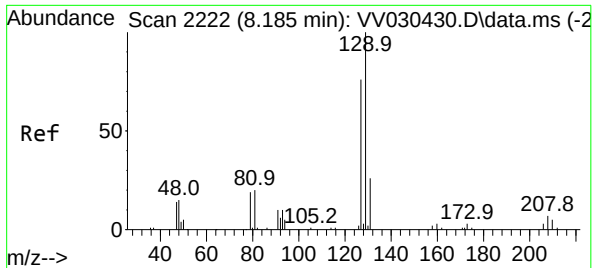
164 100

129 100.1 60.8 112.8

131 84.4 61.7 114.7

166 125.5 85.6 159.0





#49

Dibromochloromethane

Concen: 0.261 ug/L

RT: 7.915 min Scan# 21

Delta R.T. -0.270 min

Lab File: VV030454.D

Acq: 07 Apr 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

C0AE4

Tgt Ion:129 Resp: 2361

Ion Ratio Lower Upper

129 100

127 0.0 52.7 97.9#

