

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041323\
 Data File : VW030555.D
 Acq On : 13 Apr 2023 19:14
 Operator : SY/MD
 Sample : 02254-18
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AC0

Quant Time: Apr 14 05:24:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 14 05:16:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.548	114	124724	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	121598	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	55273	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	51552	6.241	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	124.800%
7) Chloroethane-d5	1.535	69	39242	4.895	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.000%
11) 1,1-Dichloroethene-d2	2.072	63	10654954	543.575	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	10871.600%#
20) 2-Butanone-d5	3.825	46	94207	44.123	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.240%
24) Chloroform-d	4.268	84	87442	4.374	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	4.960	65	46522	4.932	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	4.979	84	157821	4.606	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	6.001	67	48493	4.520	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.400%
41) Toluene-d8	7.252	98	130460	4.146	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.000%
43) trans-1,3-Dichloroprop...	7.564	79	16398	4.060	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.200%
46) 2-Hexanone-d5	8.034	63	67593	41.647	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.300%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	34344	4.062	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.200%
66) 1,2-Dichlorobenzene-d4	11.570	152	45773	4.633	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	7044	0.352	ug/L	100
5) Vinyl chloride	1.285	62	48365	3.316	ug/L	97
6) Bromomethane	1.497	94	766	0.184	ug/L	91
9) Trichlorofluoromethane	1.719	101	7195	0.338	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	43786	3.731	ug/L #	31
12) 1,1-Dichloroethene	2.069	96	15662194	1502.905	ug/L #	42
13) Acetone	2.143	43	3360	1.646	ug/L	81
14) Carbon disulfide	2.249	76	4239	0.123	ug/L	98
15) Methyl Acetate	2.400	43	4506	1.235	ug/L #	71
19) 1,1-Dichloroethane	3.121	63	6240441	293.203	ug/L	97
22) cis-1,2-Dichloroethene	3.828	96	1596	0.145	ug/L	87
25) Chloroform	4.297	83	48653	2.262	ug/L	97
27) 1,2-Dichloroethane	5.059	62	26032	2.002	ug/L	99
31) Carbon tetrachloride	4.609	117	24684229	1391.947	ug/L	98
34) Trichloroethene	5.844	95	497913	42.746	ug/L	99
35) Methylcyclohexane	6.001	83	11800	0.645	ug/L #	18
45) 1,1,2-Trichloroethane	7.783	97	1368	0.175	ug/L	81
47) Tetrachloroethene	7.915	164	8702	0.846	ug/L	93
49) Dibromochloromethane	7.915	129	7754	0.834	ug/L #	12

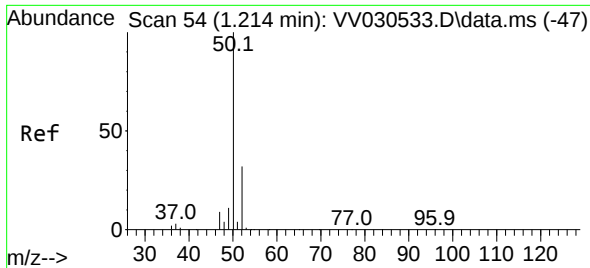
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041323\
Data File : VV030555.D
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Response via : Initial Calibration

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

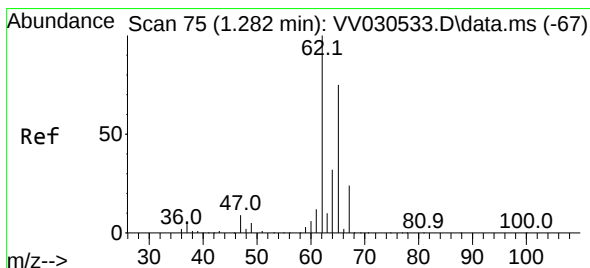
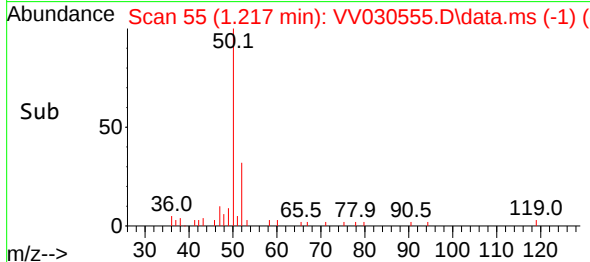
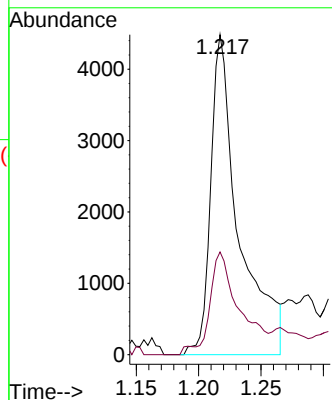
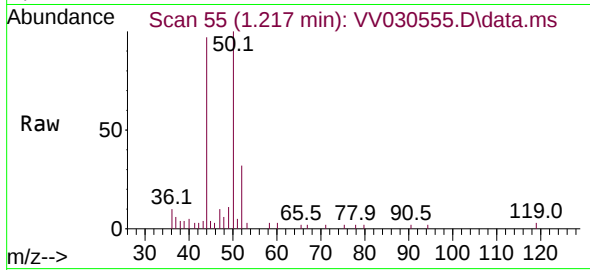
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.352 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV030555.D
Acq: 13 Apr 2023 19:14

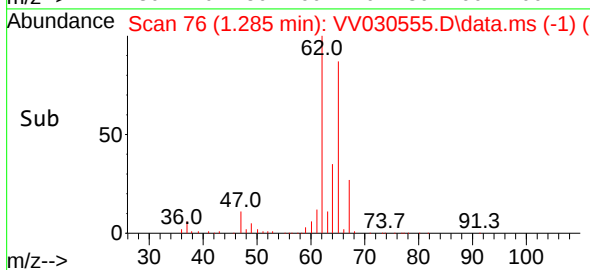
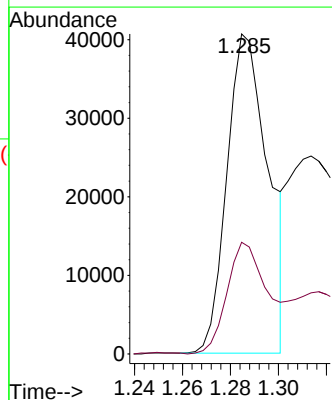
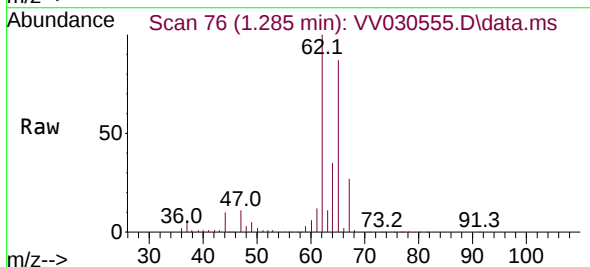
Instrument :
MSVOA_V
ClientSampleId :
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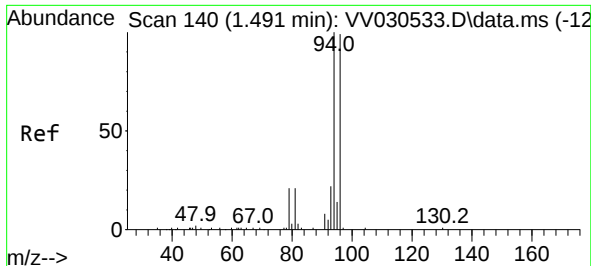
Tgt Ion: 50 Resp: 7044
Ion Ratio Lower Upper
50 100
52 32.1 22.3 41.5



#5
Vinyl chloride
Concen: 3.316 ug/L
RT: 1.285 min Scan# 76
Delta R.T. 0.003 min
Lab File: VV030555.D
Acq: 13 Apr 2023 19:14

Tgt Ion: 62 Resp: 48365
Ion Ratio Lower Upper
62 100
64 34.9 23.2 43.2

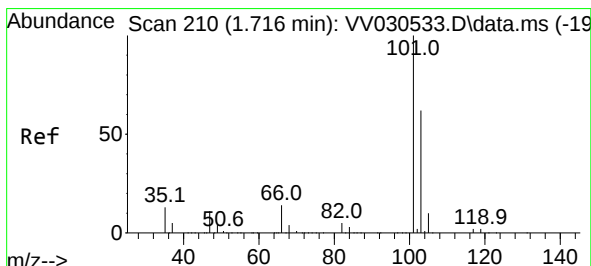
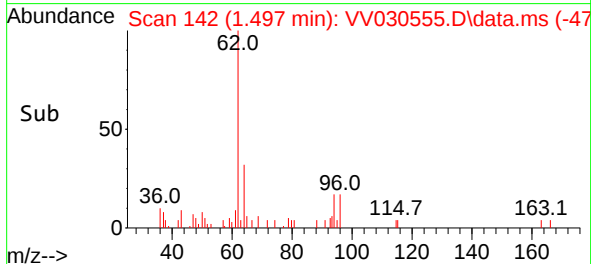
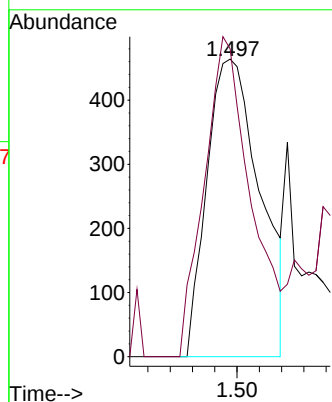
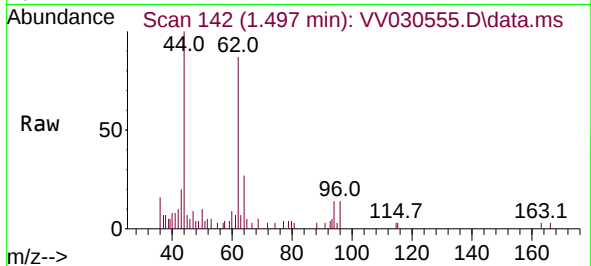




#6
Bromomethane
Concen: 0.184 ug/L
RT: 1.497 min Scan# 140
Delta R.T. 0.006 min
Lab File: VV030555.D
Acq: 13 Apr 2023 19:14

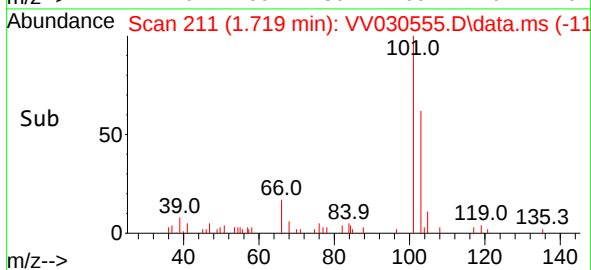
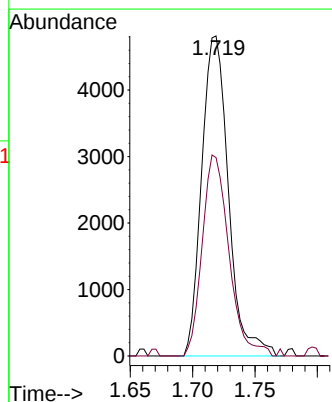
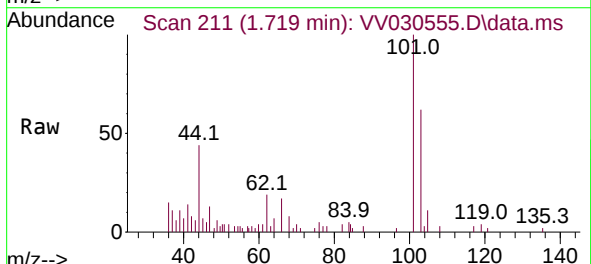
Instrument :
MSVOA_V
ClientSampleId :
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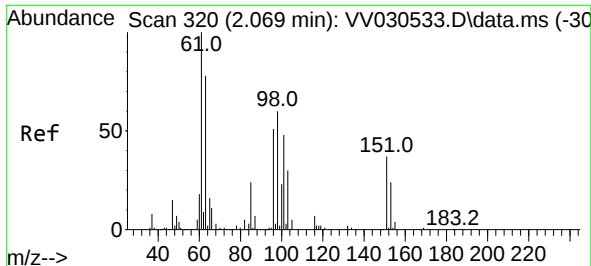
Tgt Ion: 94 Resp: 766
Ion Ratio Lower Upper
94 100
96 103.4 66.1 122.7



#9
Trichlorofluoromethane
Concen: 0.338 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV030555.D
Acq: 13 Apr 2023 19:14

Tgt Ion: 101 Resp: 7195
Ion Ratio Lower Upper
101 100
103 62.7 51.0 76.6





#10

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

Concen: 3.731 ug/L

RT: 2.072 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030555.D

Acq: 13 Apr 2023 19:14

Instrument :

MSVOA_V

ClientSampleId :

C0AC0

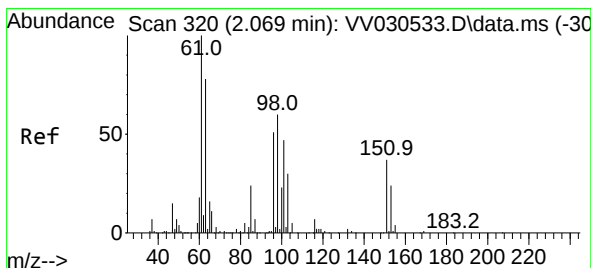
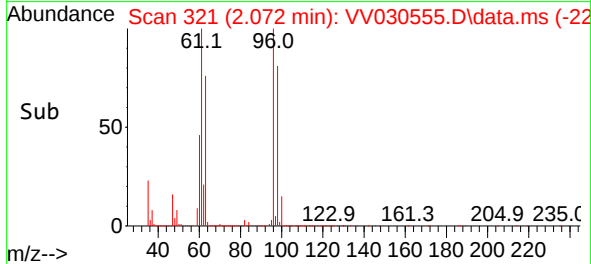
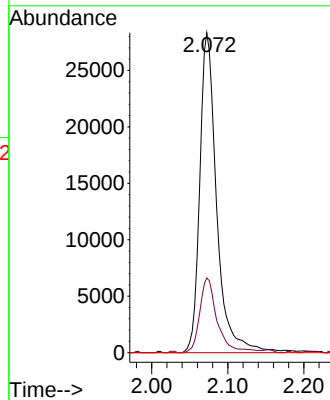
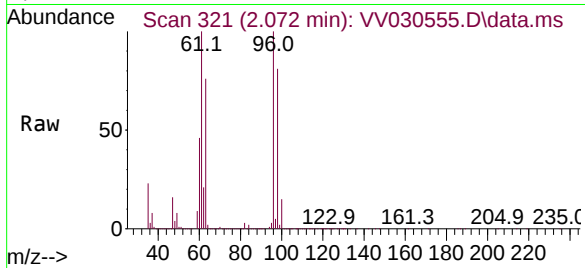
Tgt Ion:101 Resp: 43786

Ion Ratio Lower Upper

101 100

85 24.1 38.1 57.1#

151 0.0 62.7 94.1#



#12

1,1-Dichloroethene

Concen: 1502.905 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV030555.D

Acq: 13 Apr 2023 19:14

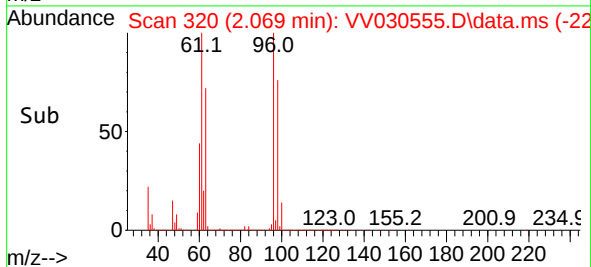
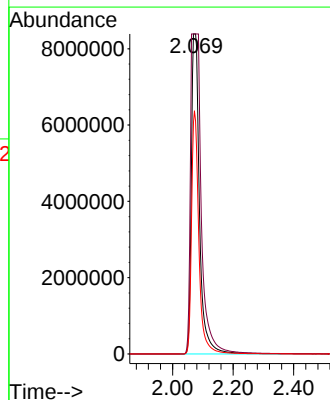
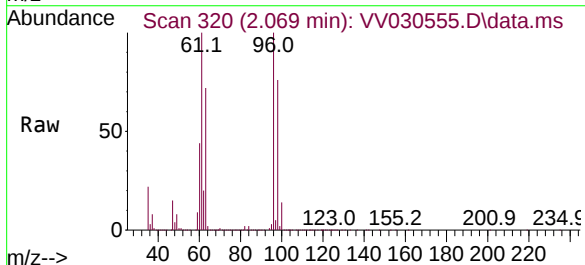
Tgt Ion: 96 Resp:15662194

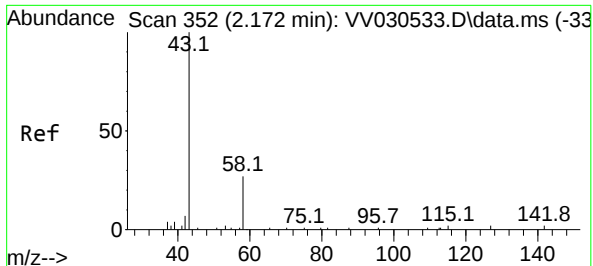
Ion Ratio Lower Upper

96 100

61 100.0 136.3 253.1#

63 72.4 92.1 171.1#





#13

Acetone

Concen: 1.646 ug/L

RT: 2.143 min Scan# 34

Delta R.T. -0.029 min

Lab File: VV030555.D

Acq: 13 Apr 2023 19:14

Instrument :

MSVOA_V

ClientSampleId :

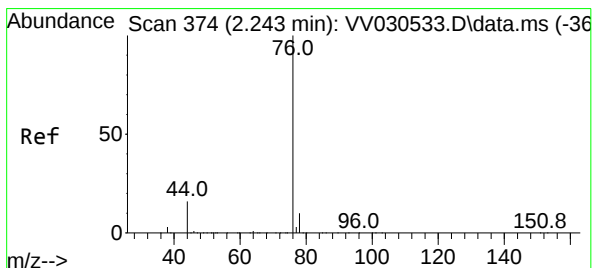
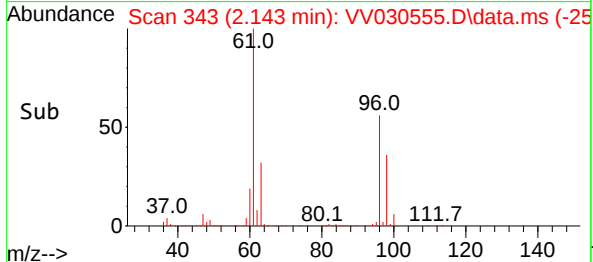
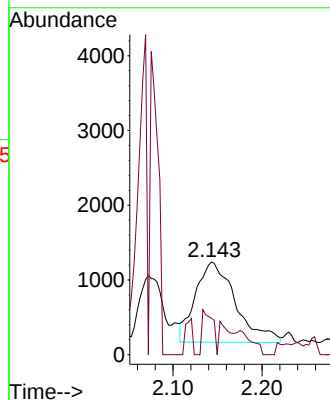
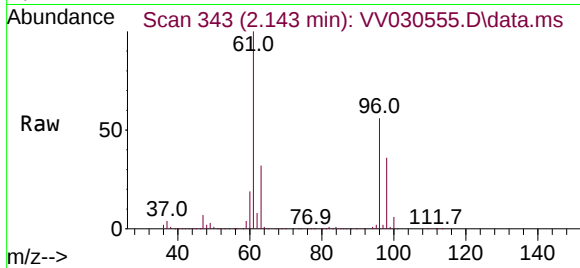
C0AC0

Tgt Ion: 43 Resp: 3360

Ion Ratio Lower Upper

43 100

58 11.8 0.0 40.8



#14

Carbon disulfide

Concen: 0.123 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.006 min

Lab File: VV030555.D

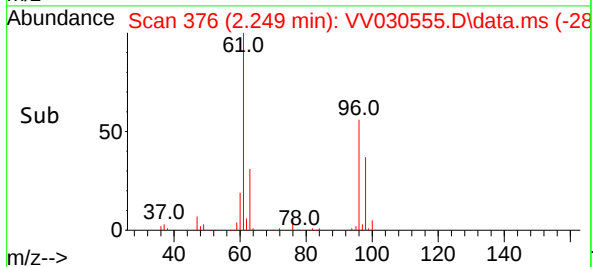
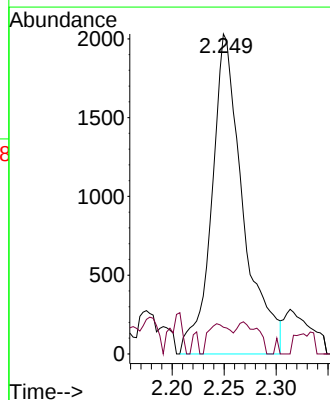
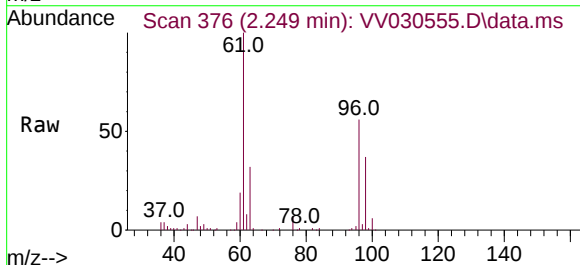
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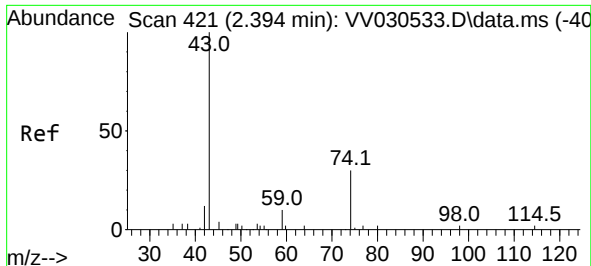
Tgt Ion: 76 Resp: 4239

Ion Ratio Lower Upper

76 100

78 8.4 7.3 10.9

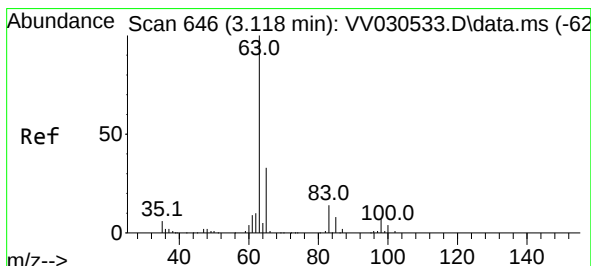
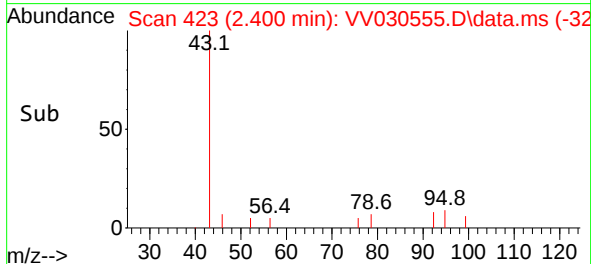
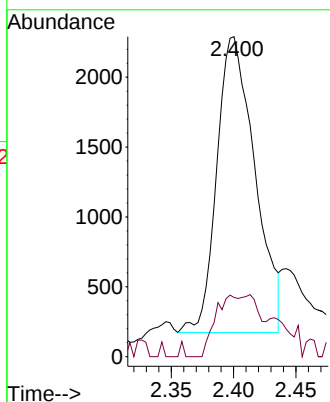
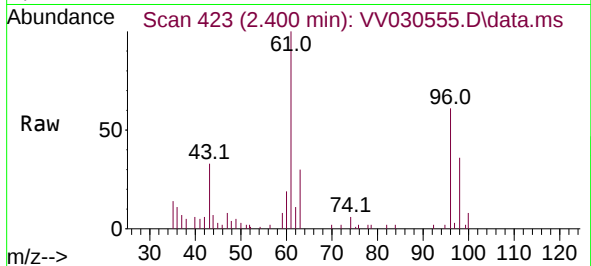




#15
Methyl Acetate
Concen: 1.235 ug/L
RT: 2.400 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV030555.D
Acq: 13 Apr 2023 19:14

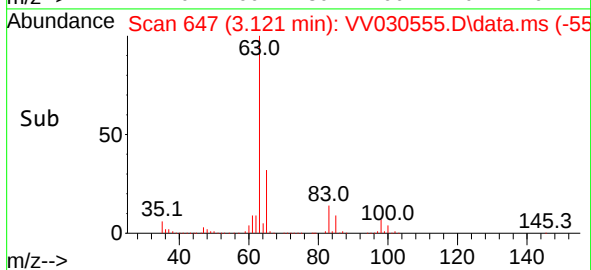
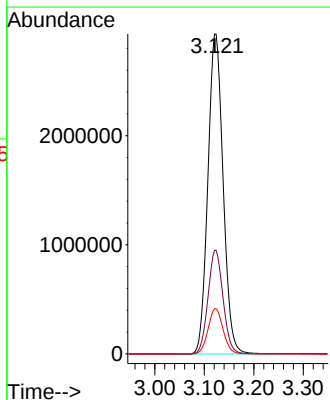
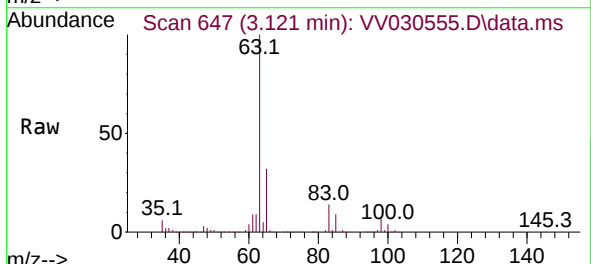
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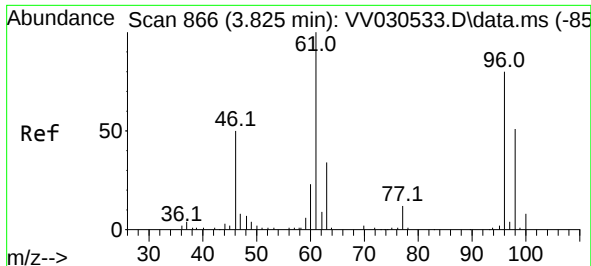
Tgt Ion: 43 Resp: 4506
Ion Ratio Lower Upper
43 100
74 12.6 22.1 33.1#



#19
1,1-Dichloroethane
Concen: 293.203 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV030555.D
Acq: 13 Apr 2023 19:14

Tgt Ion: 63 Resp: 6240441
Ion Ratio Lower Upper
63 100
65 32.4 21.7 40.3
83 14.2 9.1 16.9

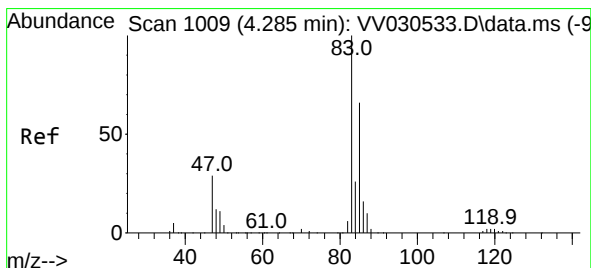
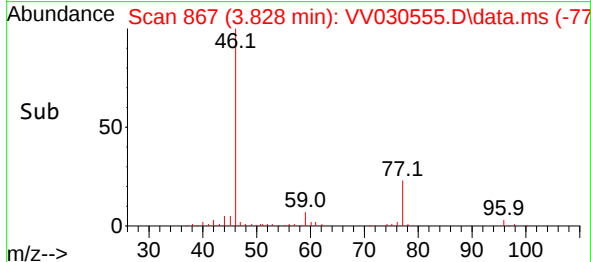
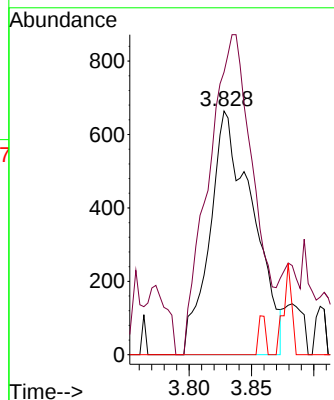
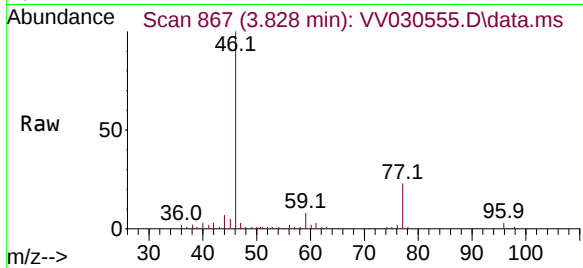




#22
 cis-1,2-Dichloroethene
 Concen: 0.145 ug/L
 RT: 3.828 min Scan# 866
 Delta R.T. 0.003 min
 Lab File: VV030555.D
 Acq: 13 Apr 2023 19:14

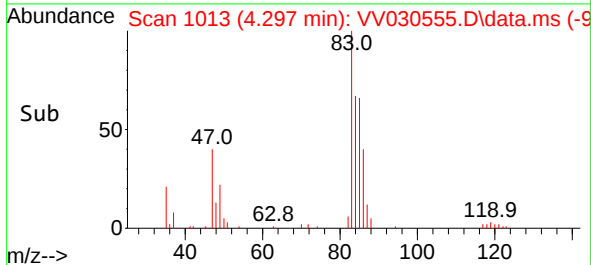
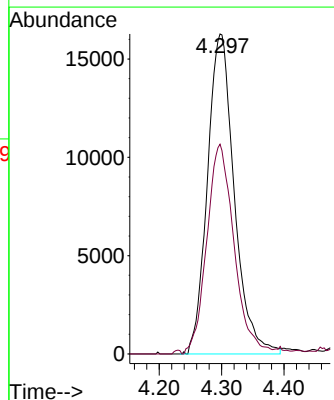
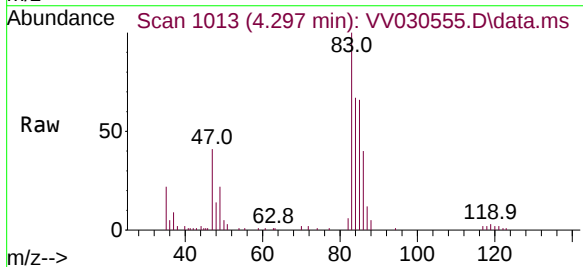
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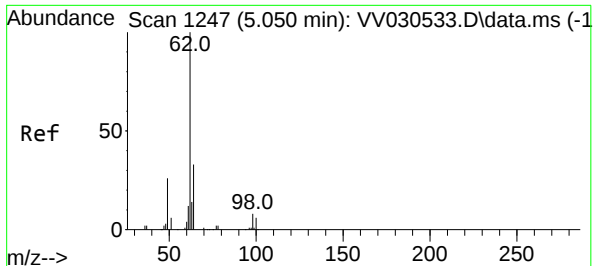
Tgt Ion: 96 Resp: 1596
 Ion Ratio Lower Upper
 96 100
 61 116.0 92.0 170.8
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 2.262 ug/L
 RT: 4.297 min Scan# 1013
 Delta R.T. 0.013 min
 Lab File: VV030555.D
 Acq: 13 Apr 2023 19:14

Tgt Ion: 83 Resp: 48653
 Ion Ratio Lower Upper
 83 100
 85 65.5 47.6 88.4

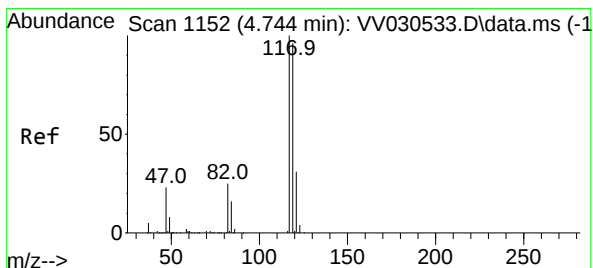
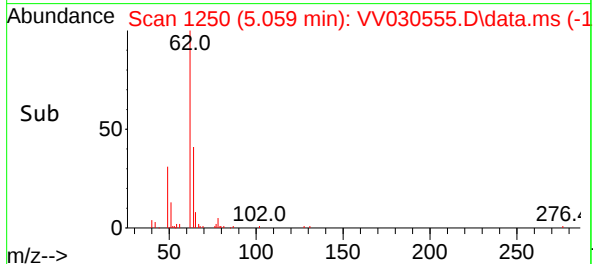
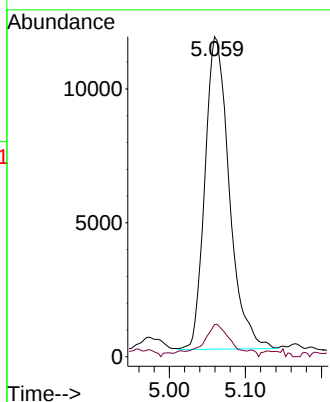
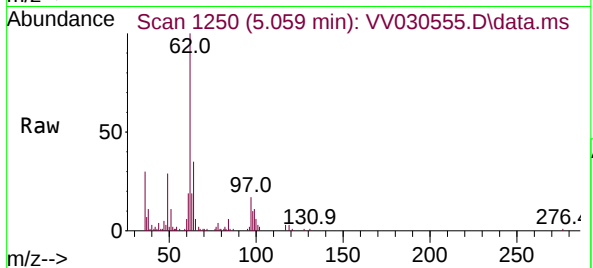




#27
1,2-Dichloroethane
Concen: 2.002 ug/L
RT: 5.059 min Scan# 1110
Delta R.T. 0.009 min
Lab File: VV030555.D
Acq: 13 Apr 2023 19:14

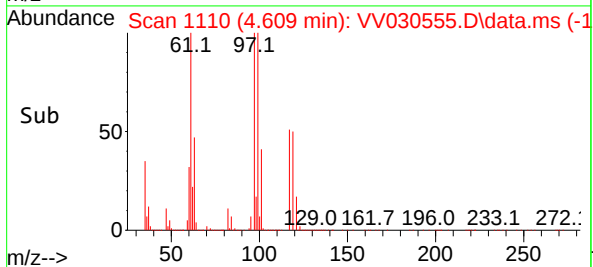
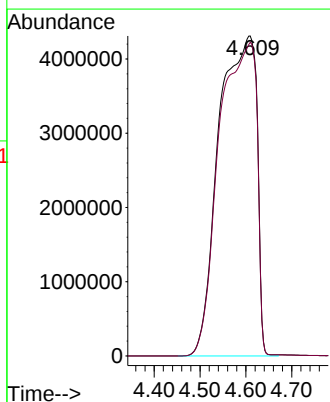
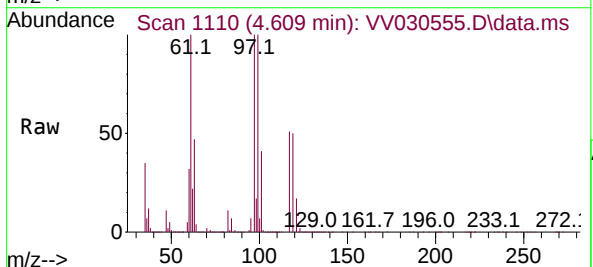
Instrument :
MSVOA_V
ClientSampleId :
C0AC0

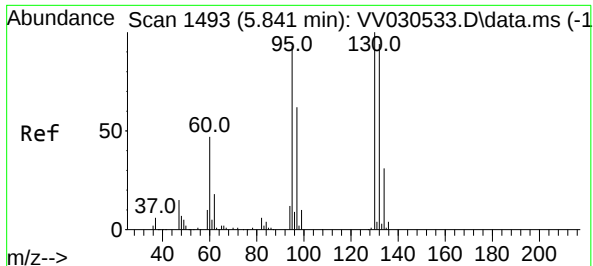
Tgt Ion: 62 Resp: 26032
Ion Ratio Lower Upper
62 100
98 10.0 7.8 11.8



#31
Carbon tetrachloride
Concen: 1391.947 ug/L
RT: 4.609 min Scan# 1110
Delta R.T. -0.135 min
Lab File: VV030555.D
Acq: 13 Apr 2023 19:14

Tgt Ion: 117 Resp: 24684229
Ion Ratio Lower Upper
117 100
119 97.7 76.2 114.4

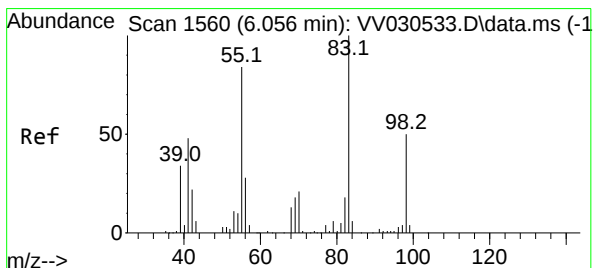
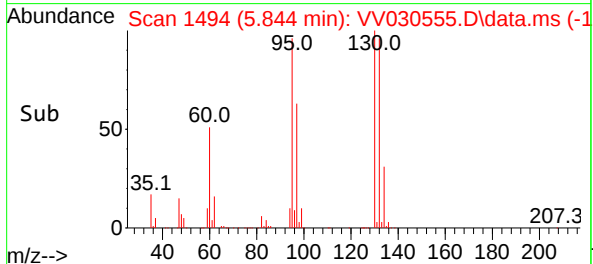
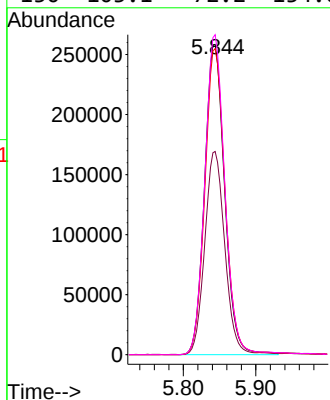
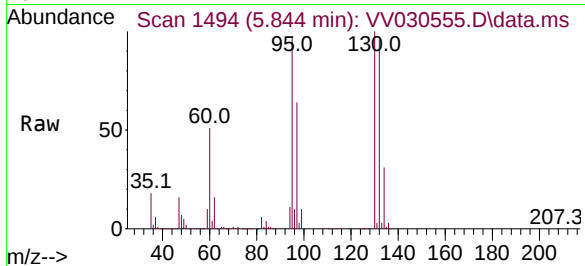




#34
Trichloroethene
Concen: 42.746 ug/L
RT: 5.844 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030555.D
Acq: 13 Apr 2023 19:14

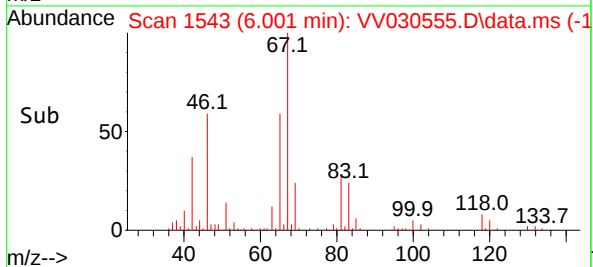
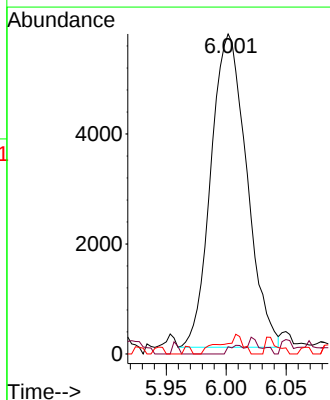
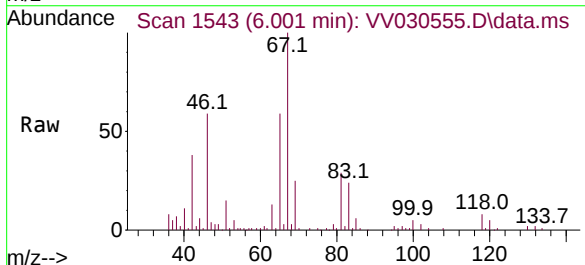
Instrument :
MSVOA_V
ClientSampleId :
C0AC0

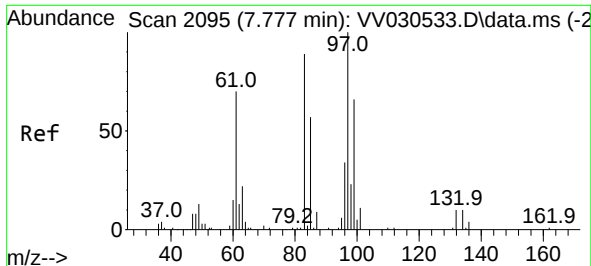
Tgt Ion: 95 Resp: 497913
Ion Ratio Lower Upper
95 100
97 65.5 44.2 82.2
132 98.7 69.5 129.1
130 103.1 72.2 134.0



#35
Methylcyclohexane
Concen: 0.645 ug/L
RT: 6.001 min Scan# 1543
Delta R.T. -0.055 min
Lab File: VV030555.D
Acq: 13 Apr 2023 19:14

Tgt Ion: 83 Resp: 11800
Ion Ratio Lower Upper
83 100
55 1.1 66.6 100.0#
98 3.7 38.6 58.0#



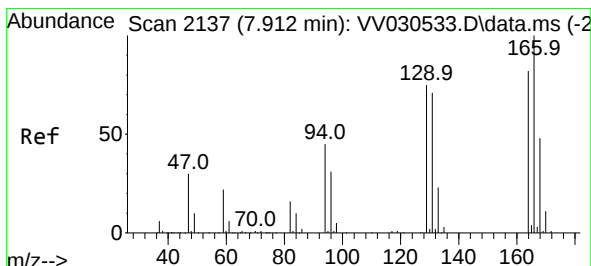
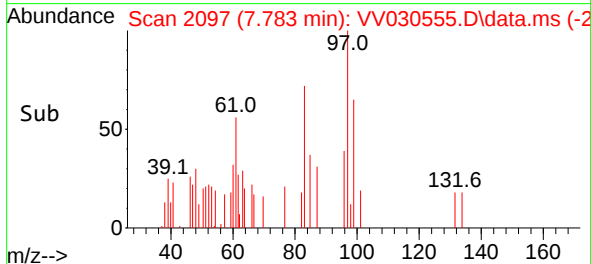
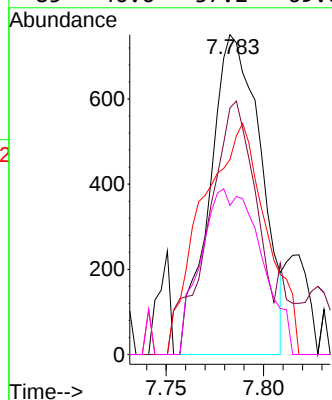
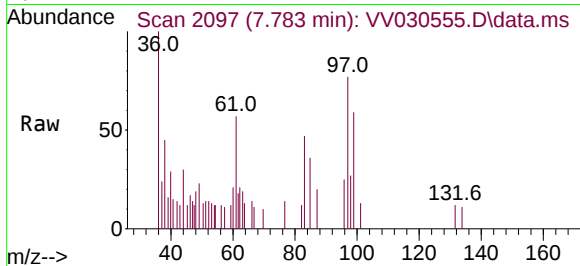


#45
1,1,2-Trichloroethane
Concen: 0.175 ug/L
RT: 7.783 min Scan# 2095
Delta R.T. 0.006 min
Lab File: VV030555.D
Acq: 13 Apr 2023 19:14

Instrument :
MSVOA_V
ClientSampleId :
C0AC0

Tgt Ion: 97 Resp: 1368

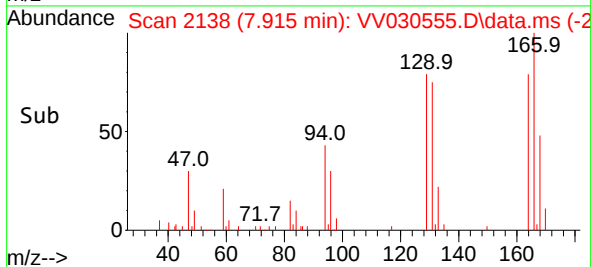
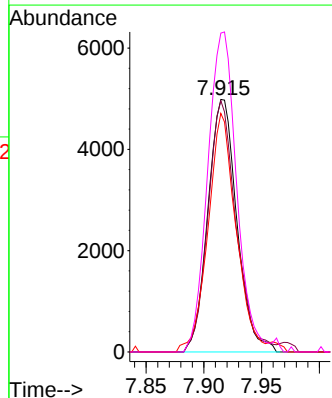
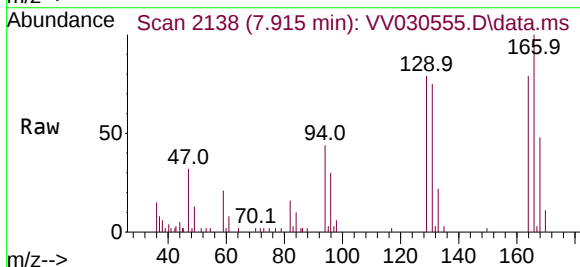
Ion	Ratio	Lower	Upper
97	100		
99	77.1	44.0	81.8
83	61.0	58.8	109.2
85	46.6	37.2	69.0

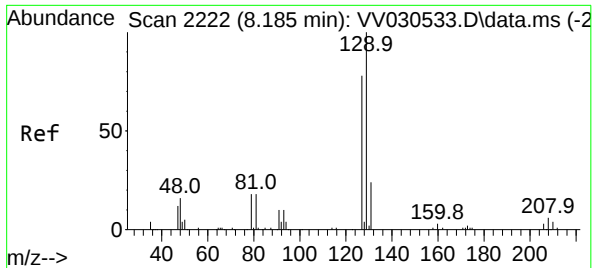


#47
Tetrachloroethene
Concen: 0.846 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030555.D
Acq: 13 Apr 2023 19:14

Tgt Ion: 164 Resp: 8702

Ion	Ratio	Lower	Upper
164	100		
129	99.5	60.8	112.8
131	94.5	61.7	114.7
166	126.3	85.6	159.0





#49
Dibromochloromethane
Concen: 0.834 ug/L
RT: 7.915 min Scan# 21
Delta R.T. -0.270 min
Lab File: VV030555.D
Acq: 13 Apr 2023 19:14

Instrument :
MSVOA_V
ClientSampleId :
C0AC0

Tgt Ion:129 Resp: 7754
Ion Ratio Lower Upper
129 100
127 0.0 52.7 97.9#

