

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041323\
 Data File : VW030556.D
 Acq On : 13 Apr 2023 19:39
 Operator : SY/MD
 Sample : 02254-19
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AC8

Quant Time: Apr 14 05:24:30 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	5.552	114	140195	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	134138	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	63108	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	56488	6.084	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	121.600%
7) Chloroethane-d5	1.536	69	42618	4.730	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.600%
11) 1,1-Dichloroethene-d2	2.076	63	26005693	1180.305	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	23606.000%#
20) 2-Butanone-d5	3.831	46	103781	43.243	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.480%
24) Chloroform-d	4.272	84	96937	4.313	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
26) 1,2-Dichloroethane-d4	4.973	65	48448	4.569	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
32) Benzene-d6	4.992	84	167918	4.442	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
36) 1,2-Dichloropropane-d6	6.005	67	53267	4.501	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.000%
41) Toluene-d8	7.256	98	140747	4.055	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.000%
43) trans-1,3-Dichloroprop...	7.564	79	18332	4.114	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.200%
46) 2-Hexanone-d5	8.034	63	73457	41.029	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.060%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	37939	4.068	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.400%
66) 1,2-Dichlorobenzene-d4	11.571	152	53204	4.717	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	22594	1.005	ug/L	99
5) Vinyl chloride	1.285	62	126950	7.743	ug/L	99
6) Bromomethane	1.494	94	1427	0.305	ug/L	97
8) Chloroethane	1.555	64	6695	0.713	ug/L #	61
9) Trichlorofluoromethane	1.719	101	2515	0.105	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	121172	9.185	ug/L #	31
13) Acetone	2.143	43	7789	3.394	ug/L	68
14) Carbon disulfide	2.246	76	8827	0.229	ug/L #	93
15) Methyl Acetate	2.401	43	17141	4.180	ug/L #	87
16) Methylene chloride	2.452	84	55452	4.002	ug/L	95
19) 1,1-Dichloroethane	3.124	63	20021096	836.872	ug/L	89
22) cis-1,2-Dichloroethene	3.835	96	10365	0.837	ug/L	95
25) Chloroform	4.304	83	133413	5.518	ug/L	95
27) 1,2-Dichloroethane	5.069	62	54622	3.737	ug/L	98
31) Carbon tetrachloride	4.568	117	11759088	601.106	ug/L #	1
34) Trichloroethene	5.847	95	1960802	152.599	ug/L	97
35) Methylcyclohexane	6.002	83	13003	0.645	ug/L #	17
37) 1,2-Dichloropropane	6.108	63	1022	0.084	ug/L #	76
45) 1,1,2-Trichloroethane	7.783	97	1789	0.208	ug/L	90

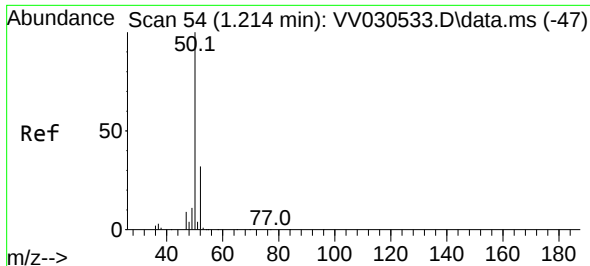
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041323\
Data File : VV030556.D
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Apr 14 05:16:37 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	7.915	164	16880	1.489	ug/L	96
49) Dibromochloromethane	7.918	129	15417	1.504	ug/L #	12
51) Chlorobenzene	8.828	112	4367	0.134	ug/L #	86
61) 1,2,3-Trichloropropane	9.738	75	956	0.169	ug/L #	47

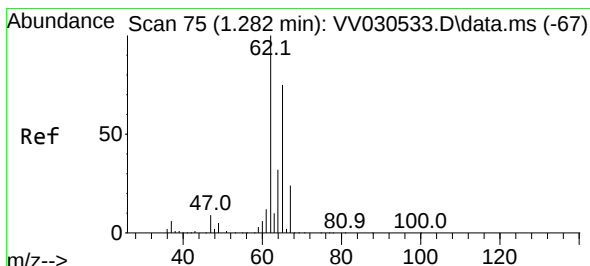
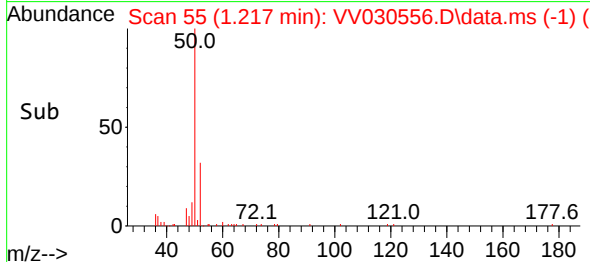
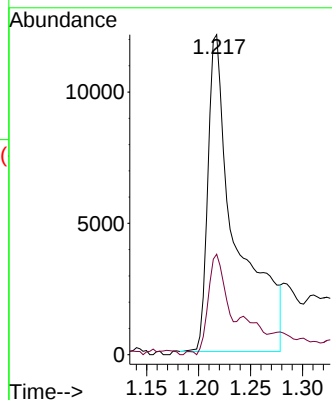
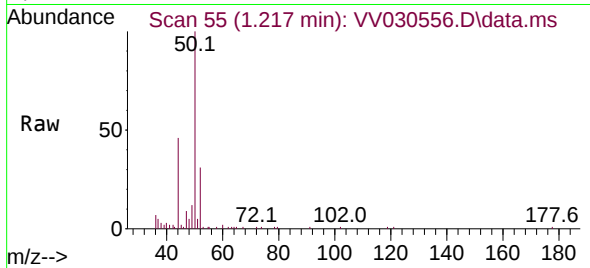
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 1.005 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

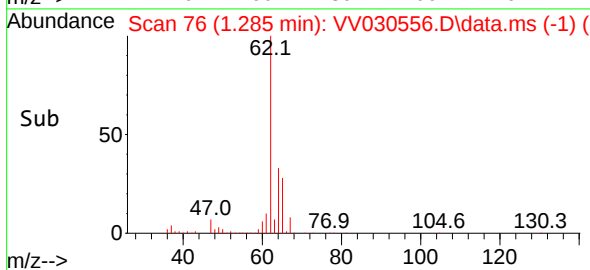
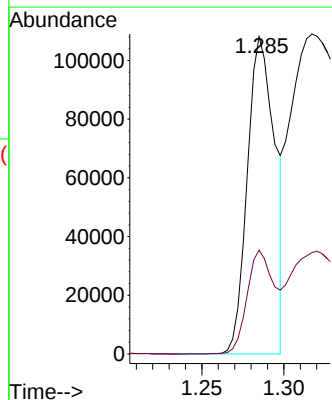
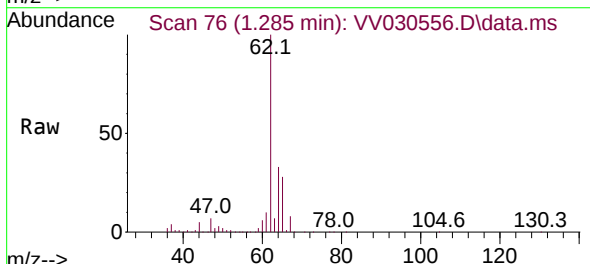
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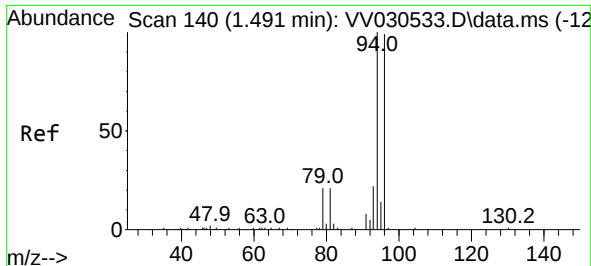
Tgt Ion: 50 Resp: 22594
Ion Ratio Lower Upper
50 100
52 31.4 22.3 41.5



#5
Vinyl chloride
Concen: 7.743 ug/L
RT: 1.285 min Scan# 76
Delta R.T. 0.003 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

Tgt Ion: 62 Resp: 126950
Ion Ratio Lower Upper
62 100
64 32.7 23.2 43.2

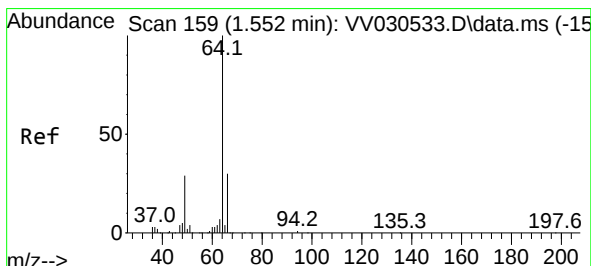
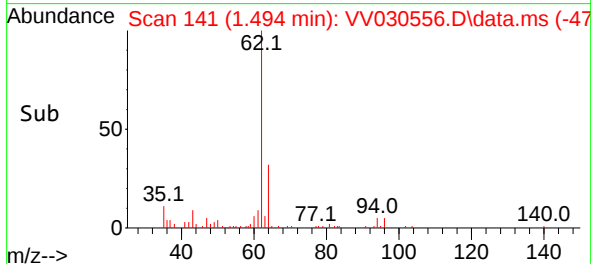
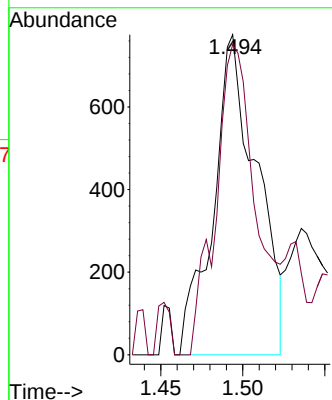
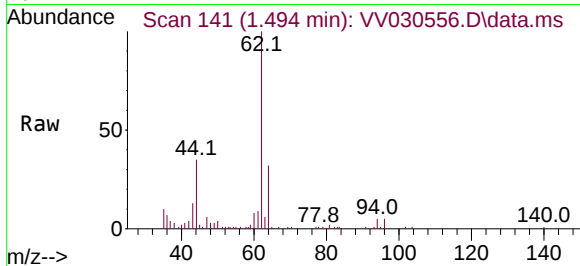




#6
Bromomethane
Concen: 0.305 ug/L
RT: 1.494 min Scan# 140
Delta R.T. 0.003 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

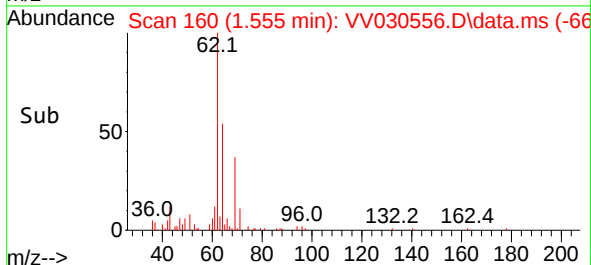
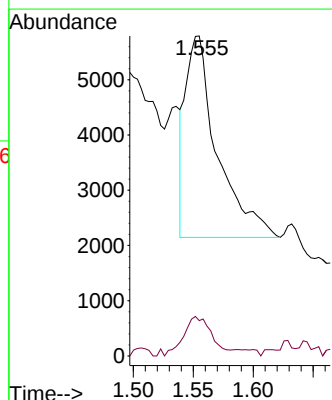
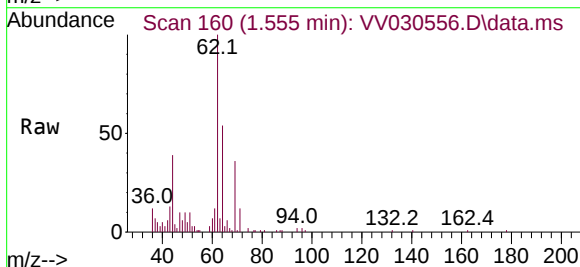
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ClientSampleId :
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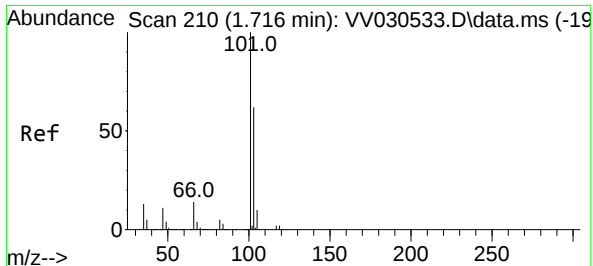
Tgt Ion: 94 Resp: 1427
Ion Ratio Lower Upper
94 100
96 96.9 66.1 122.7



#8
Chloroethane
Concen: 0.713 ug/L
RT: 1.555 min Scan# 160
Delta R.T. 0.003 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

Tgt Ion: 64 Resp: 6695
Ion Ratio Lower Upper
64 100
66 11.1 23.0 42.8#

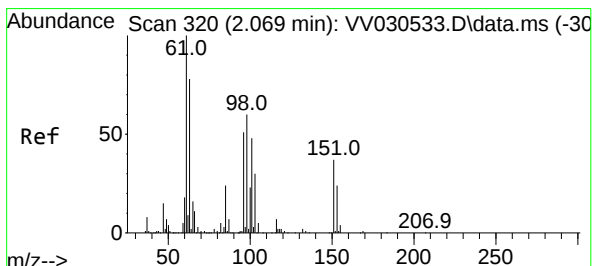
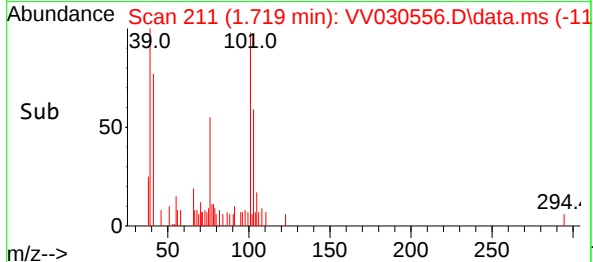
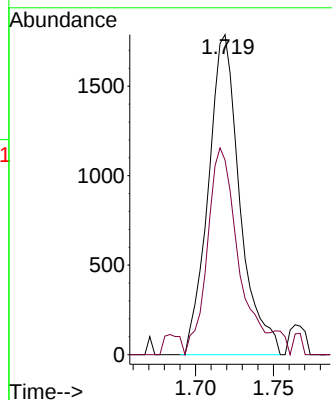
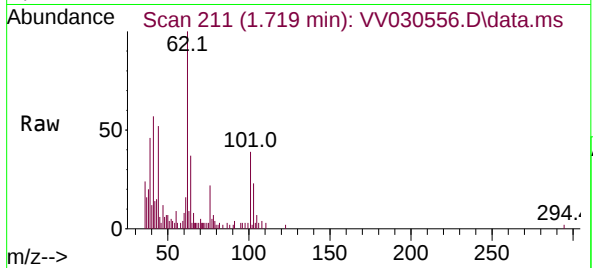




#9
Trichlorofluoromethane
Concen: 0.105 ug/L
RT: 1.719 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

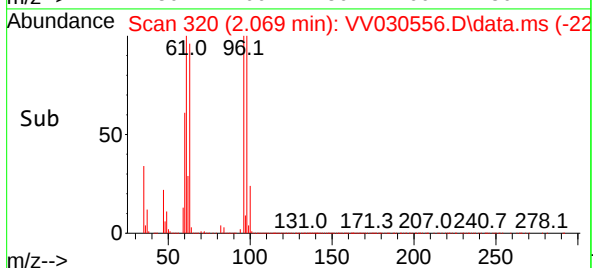
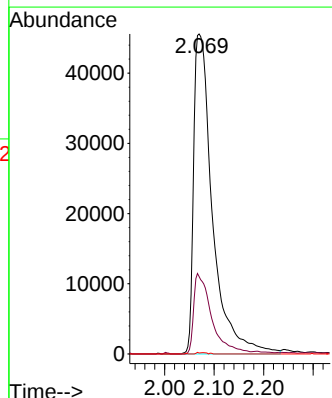
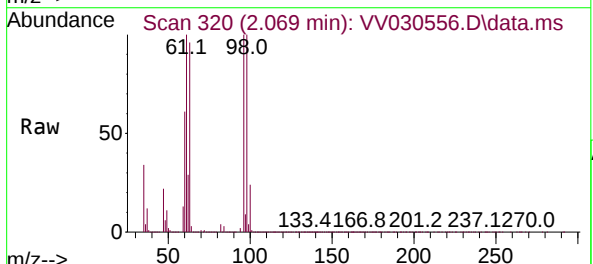
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MSVOA_V
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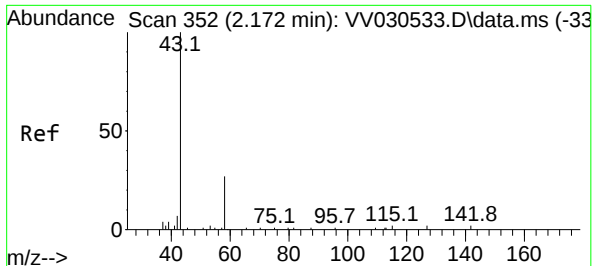
Tgt Ion:101 Resp: 2515
Ion Ratio Lower Upper
101 100
103 63.1 51.0 76.6



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.185 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

Tgt Ion:101 Resp: 121172
Ion Ratio Lower Upper
101 100
85 23.8 38.1 57.1#
151 0.1 62.7 94.1#





#13

Acetone

Concen: 3.394 ug/L

RT: 2.143 min Scan# 34

Delta R.T. -0.029 min

Lab File: VV030556.D

Acq: 13 Apr 2023 19:39

Instrument :

MSVOA_V

ClientSampleId :

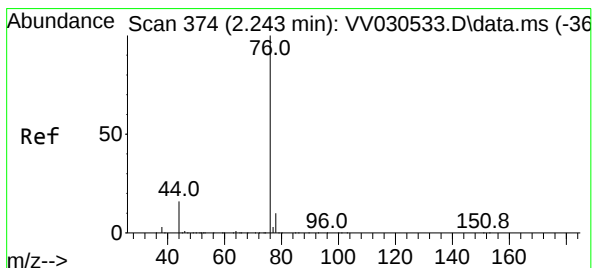
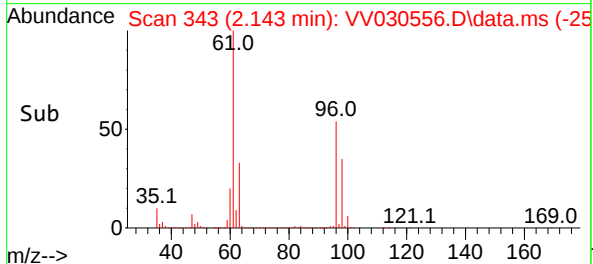
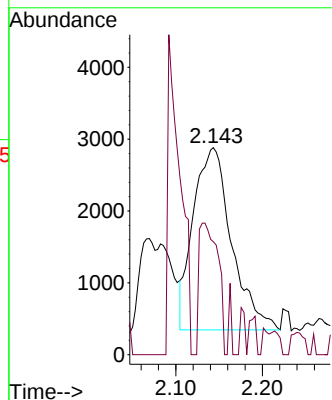
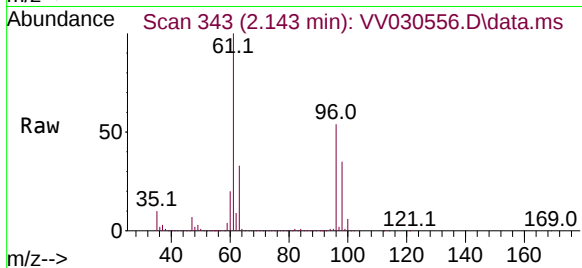
C0AC8

Tgt Ion: 43 Resp: 7789

Ion Ratio Lower Upper

43 100

58 35.4 0.0 40.8



#14

Carbon disulfide

Concen: 0.229 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.003 min

Lab File: VV030556.D

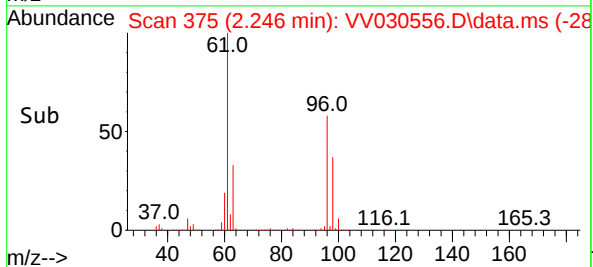
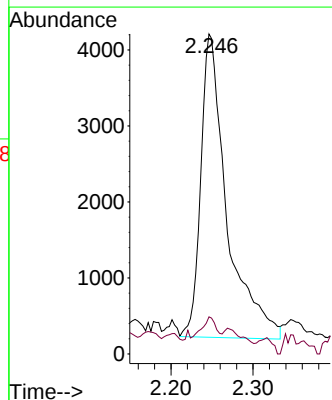
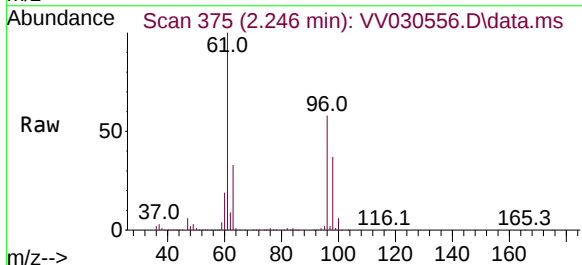
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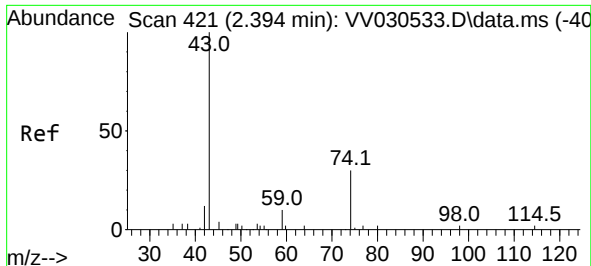
Tgt Ion: 76 Resp: 8827

Ion Ratio Lower Upper

76 100

78 11.6 7.3 10.9#

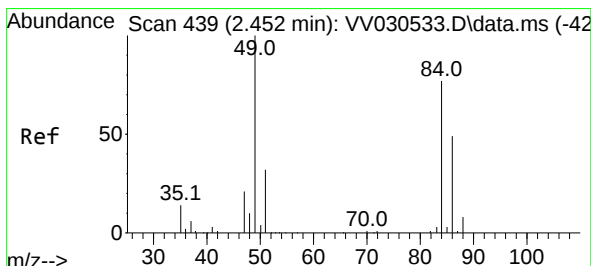
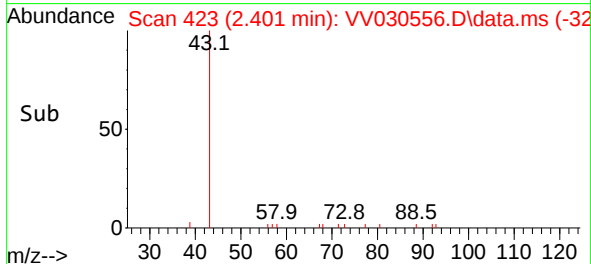
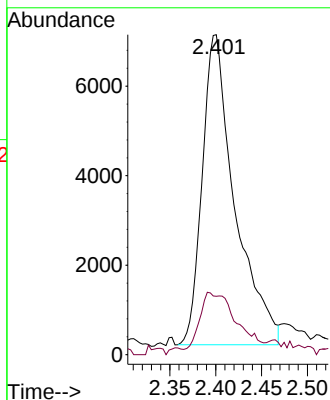
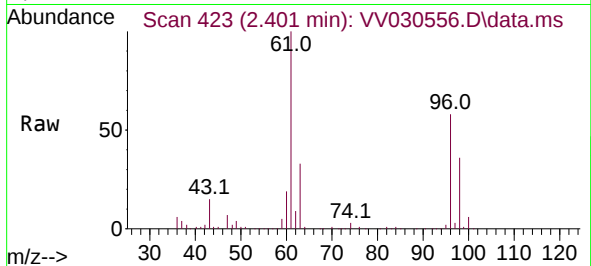




#15
Methyl Acetate
Concen: 4.180 ug/L
RT: 2.401 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

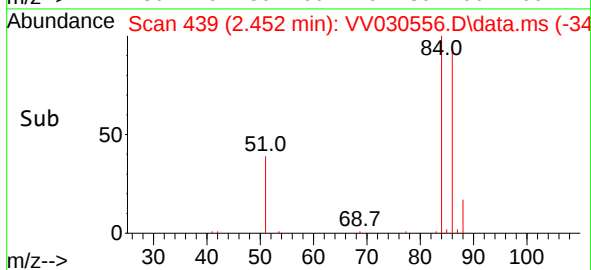
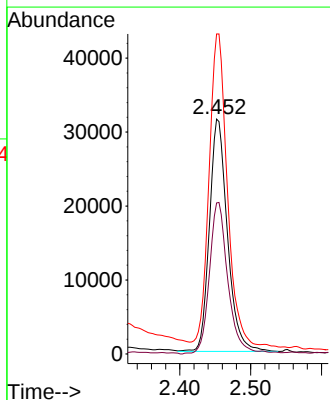
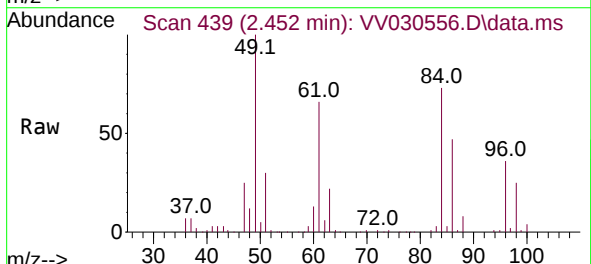
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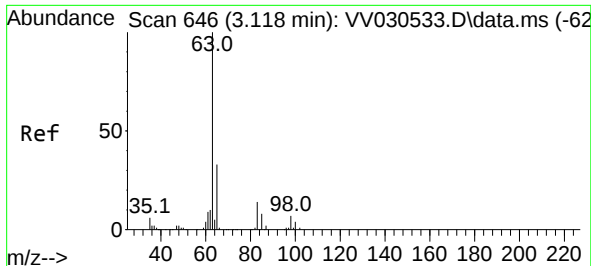
Tgt Ion: 43 Resp: 17141
Ion Ratio Lower Upper
43 100
74 20.9 22.1 33.1#



#16
Methylene chloride
Concen: 4.002 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

Tgt Ion: 84 Resp: 55452
Ion Ratio Lower Upper
84 100
86 64.3 44.0 81.6
49 136.3 90.6 168.3





#19

1,1-Dichloroethane

Concen: 836.872 ug/L

RT: 3.124 min Scan# 64

Delta R.T. 0.006 min

Lab File: VV030556.D

Acq: 13 Apr 2023 19:39

Instrument :

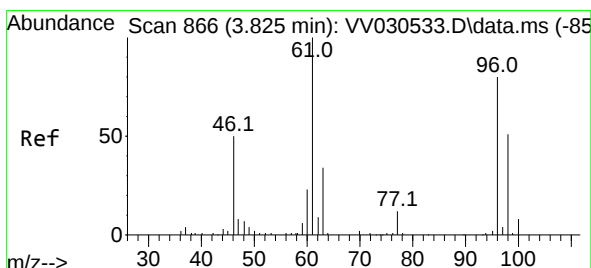
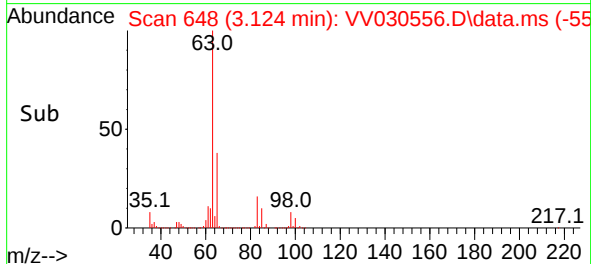
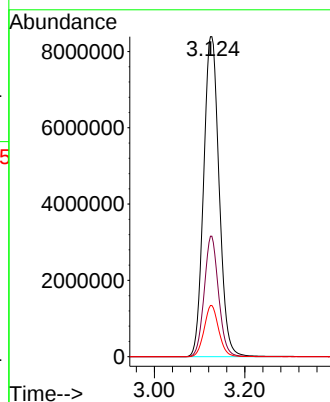
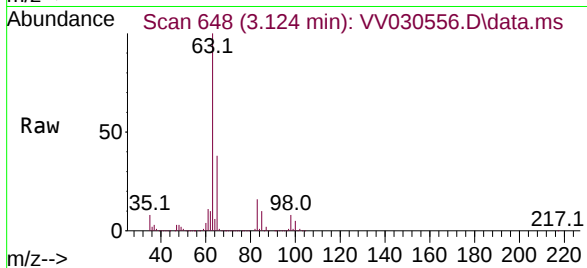
MSVOA_V

ClientSampleId :

C0AC8

Tgt Ion: 63 Resp:20021096

Ion	Ratio	Lower	Upper
63	100		
65	37.7	21.7	40.3
83	16.0	9.1	16.9



#22

cis-1,2-Dichloroethene

Concen: 0.837 ug/L

RT: 3.835 min Scan# 869

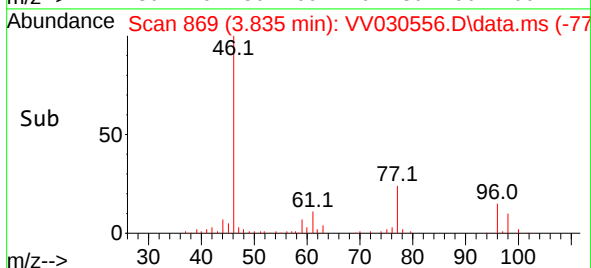
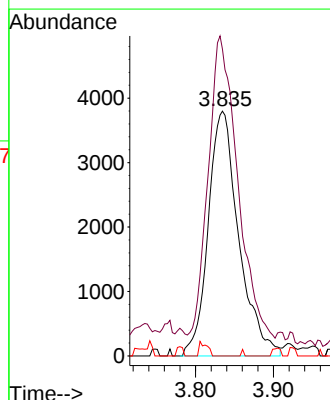
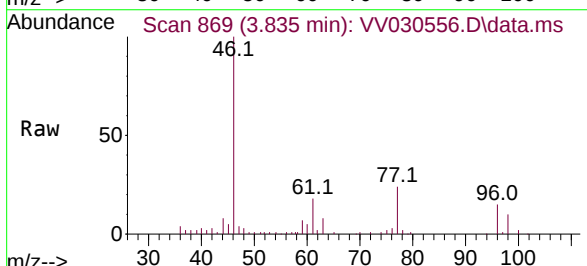
Delta R.T. 0.010 min

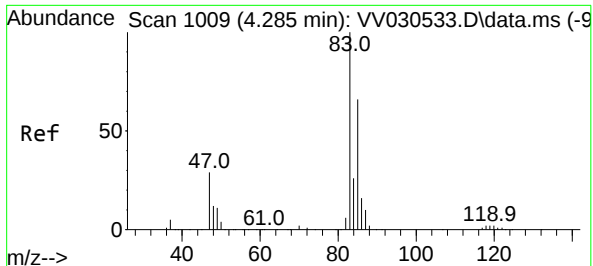
Lab File: VV030556.D

Acq: 13 Apr 2023 19:39

Tgt Ion: 96 Resp: 10365

Ion	Ratio	Lower	Upper
96	100		
61	125.4	92.0	170.8
68	0.0	0.0	0.0





#25

Chloroform

Concen: 5.518 ug/L

RT: 4.304 min Scan# 1015

Delta R.T. 0.019 min

Lab File: VV030556.D

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MSVOA_V

ClientSampleId :

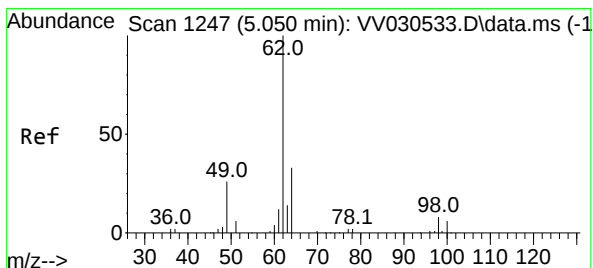
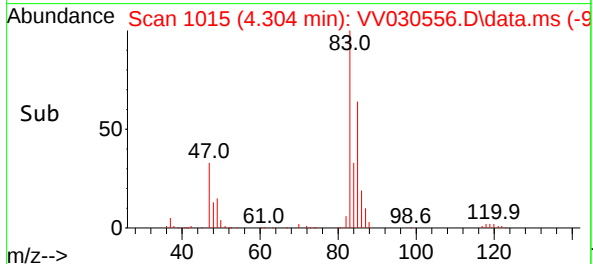
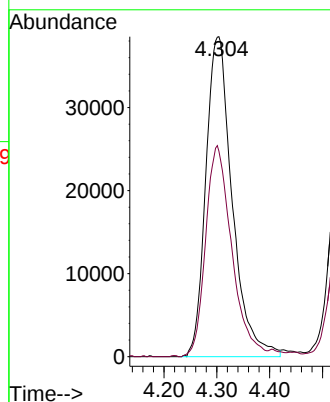
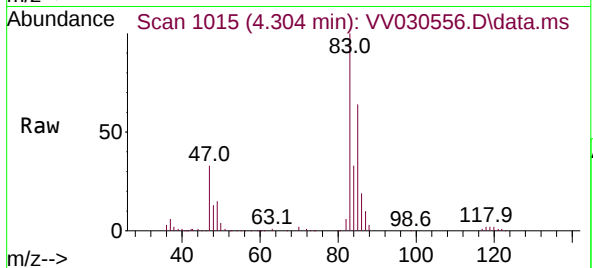
C0AC8

Tgt Ion: 83 Resp: 133413

Ion Ratio Lower Upper

83 100

85 64.2 47.6 88.4



#27

1,2-Dichloroethane

Concen: 3.737 ug/L

RT: 5.069 min Scan# 1253

Delta R.T. 0.019 min

Lab File: VV030556.D

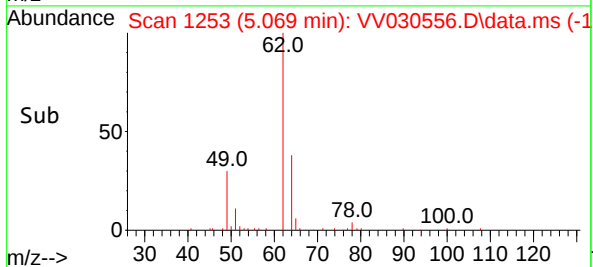
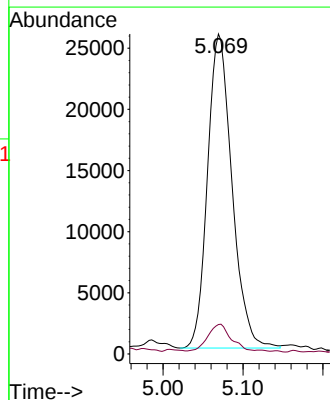
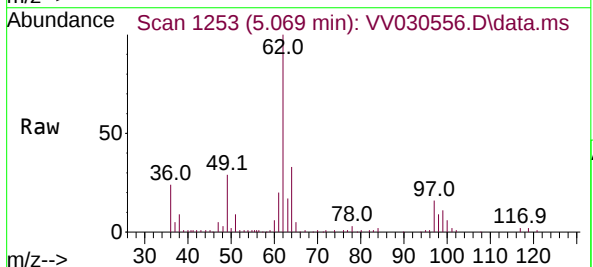
Acq: 13 Apr 2023 19:39

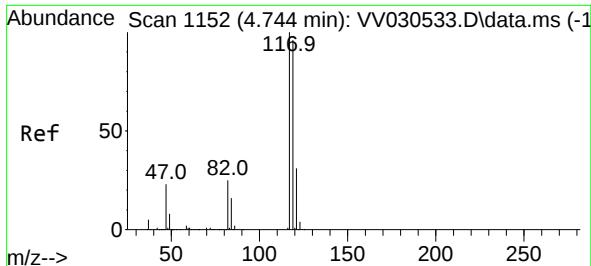
Tgt Ion: 62 Resp: 54622

Ion Ratio Lower Upper

62 100

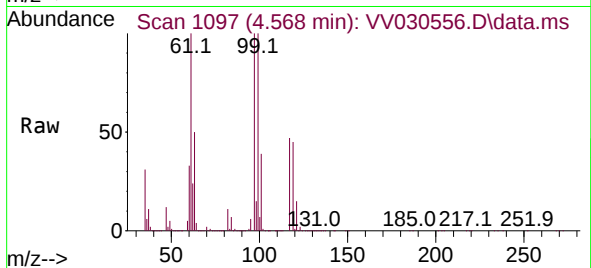
98 9.2 7.8 11.8



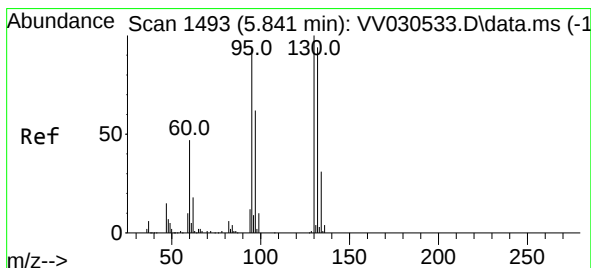
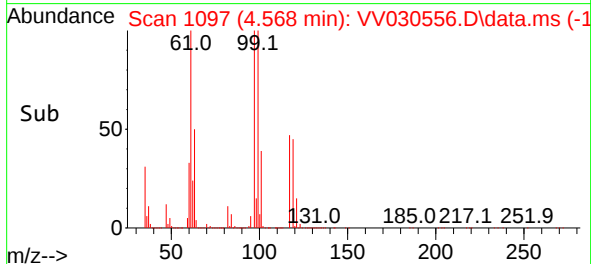
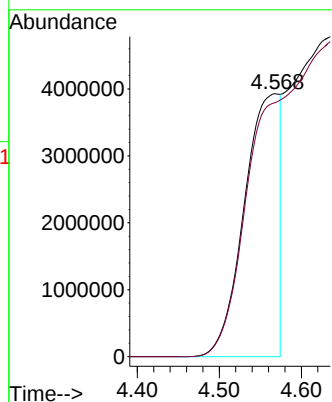


#31
Carbon tetrachloride
Concen: 601.106 ug/L
RT: 4.568 min Scan# 1152
Delta R.T. -0.177 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

Instrument :
MSVOA_V
ClientSampleId :
C0AC8

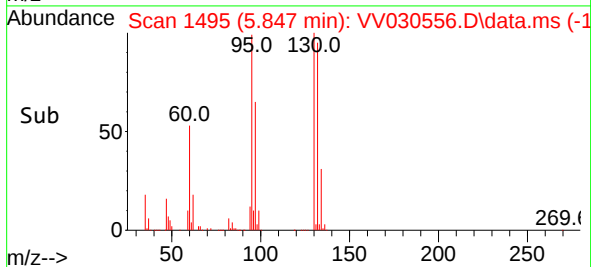
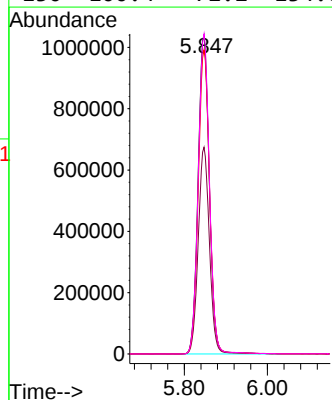
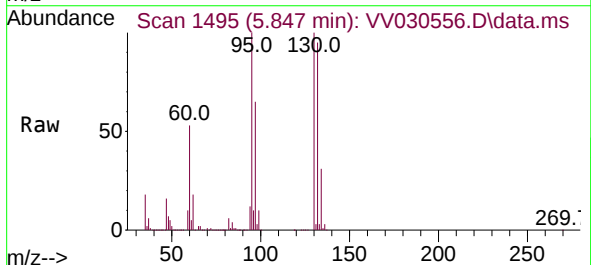


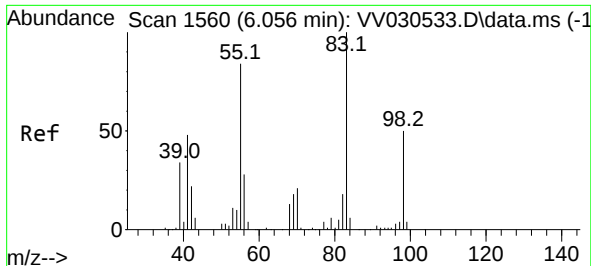
Tgt Ion:117 Resp:11759088
Ion Ratio Lower Upper
117 100
119 291.5 76.2 114.4#



#34
Trichloroethene
Concen: 152.599 ug/L
RT: 5.847 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

Tgt Ion: 95 Resp: 1960802
Ion Ratio Lower Upper
95 100
97 64.9 44.2 82.2
132 95.4 69.5 129.1
130 100.4 72.2 134.0

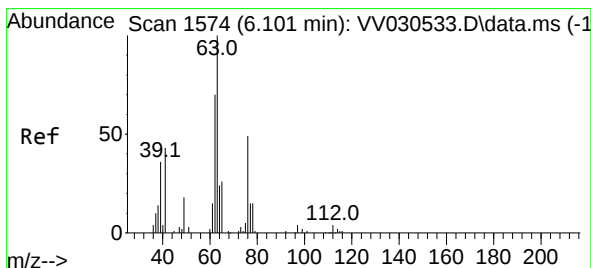
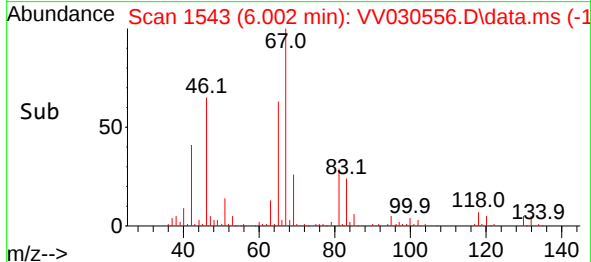
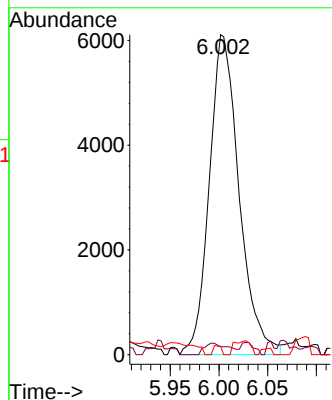
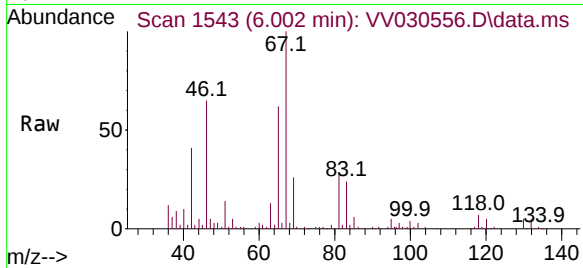




#35
Methylcyclohexane
Concen: 0.645 ug/L
RT: 6.002 min Scan# 11
Delta R.T. -0.055 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

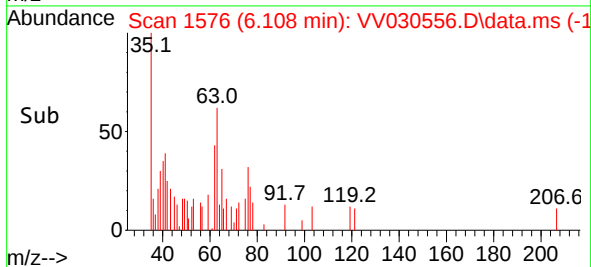
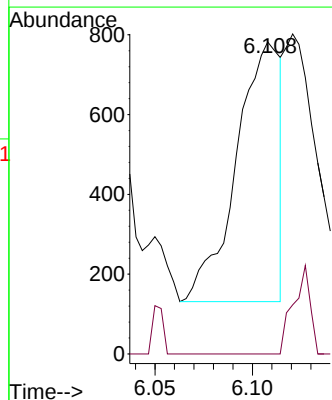
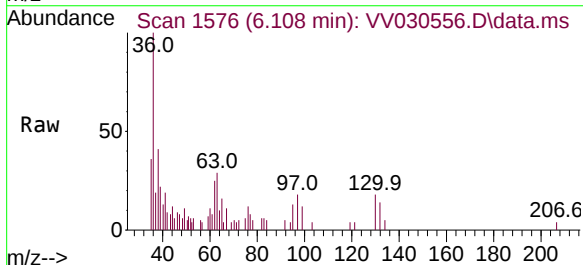
Instrument :
MSVOA_V
ClientSampleId :
C0AC8

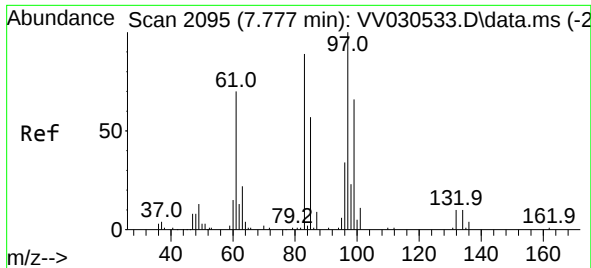
Tgt Ion: 83 Resp: 13003
Ion Ratio Lower Upper
83 100
55 2.8 66.6 100.0#
98 0.0 38.6 58.0#



#37
1,2-Dichloropropane
Concen: 0.084 ug/L
RT: 6.108 min Scan# 1576
Delta R.T. 0.006 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

Tgt Ion: 63 Resp: 1022
Ion Ratio Lower Upper
63 100
112 13.0 3.9 5.9#



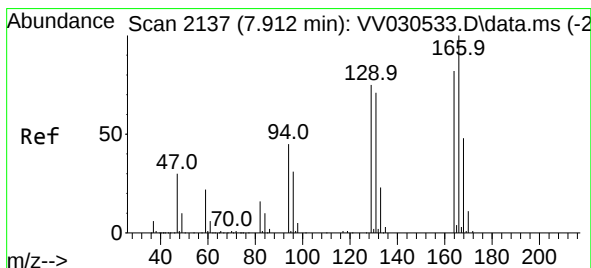
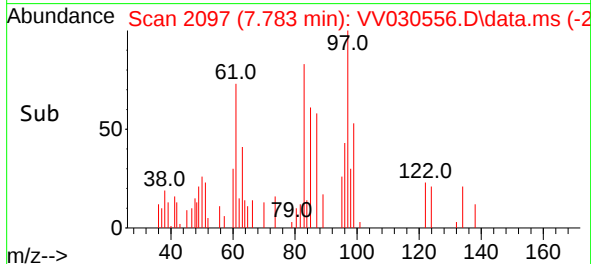
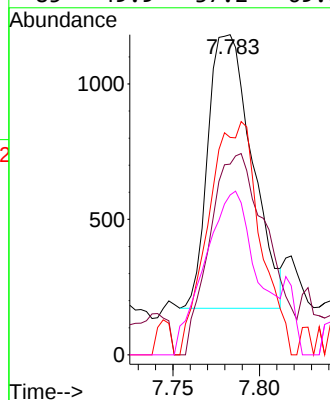
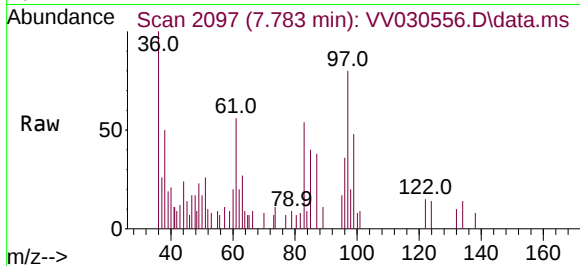


#45
1,1,2-Trichloroethane
Concen: 0.208 ug/L
RT: 7.783 min Scan# 2095
Delta R.T. 0.006 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

Instrument :
MSVOA_V
ClientSampleId :
C0AC8

Tgt Ion: 97 Resp: 1789

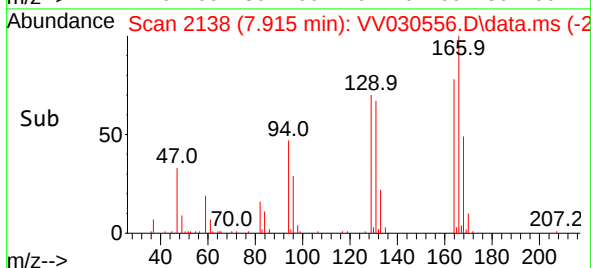
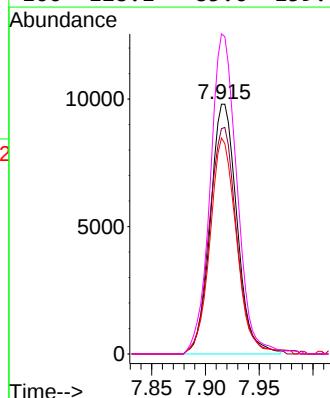
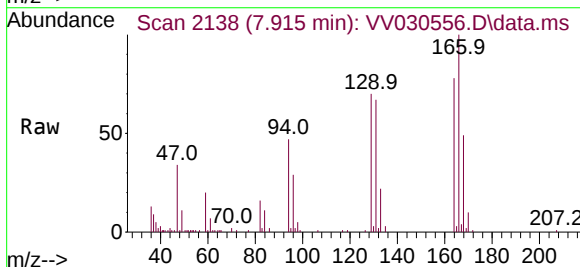
Ion	Ratio	Lower	Upper
97	100		
99	59.6	44.0	81.8
83	67.9	58.8	109.2
85	49.9	37.2	69.0

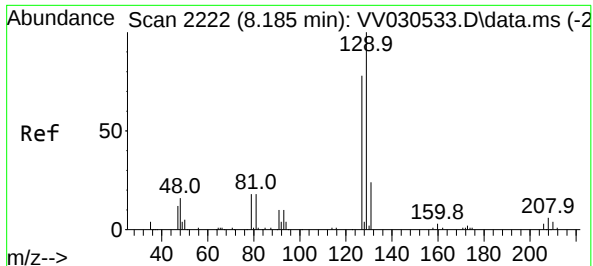


#47
Tetrachloroethene
Concen: 1.489 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

Tgt Ion: 164 Resp: 16880

Ion	Ratio	Lower	Upper
164	100		
129	90.2	60.8	112.8
131	86.4	61.7	114.7
166	128.1	85.6	159.0





#49

Dibromochloromethane

Concen: 1.504 ug/L

RT: 7.918 min Scan# 2139

Delta R.T. -0.267 min

Lab File: VV030556.D

Acq: 13 Apr 2023 19:39

Instrument :

MSVOA_V

ClientSampleId :

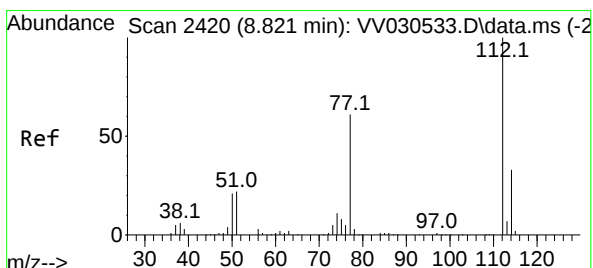
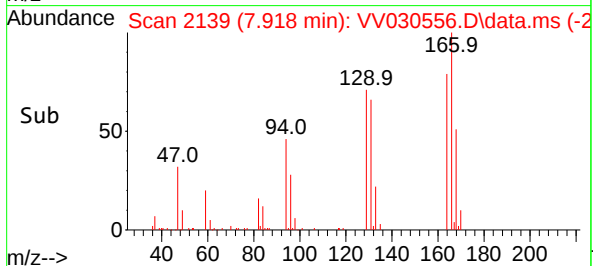
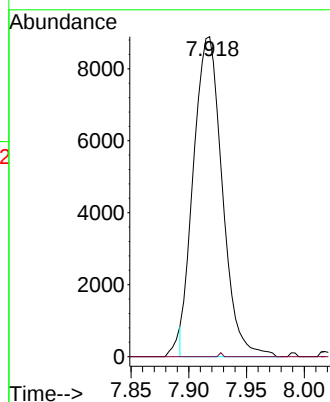
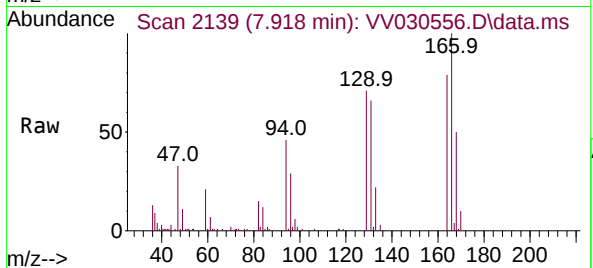
C0AC8

Tgt Ion:129 Resp: 15417

Ion Ratio Lower Upper

129 100

127 0.0 52.7 97.9#



#51

Chlorobenzene

Concen: 0.134 ug/L

RT: 8.828 min Scan# 2422

Delta R.T. 0.006 min

Lab File: VV030556.D

Acq: 13 Apr 2023 19:39

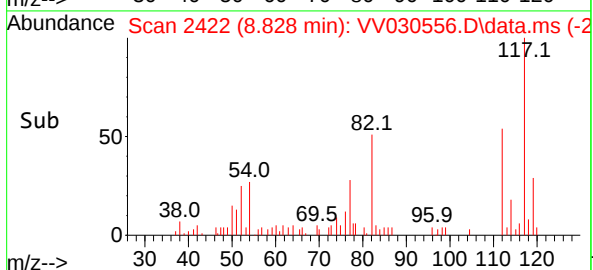
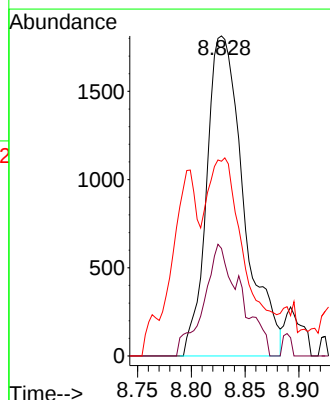
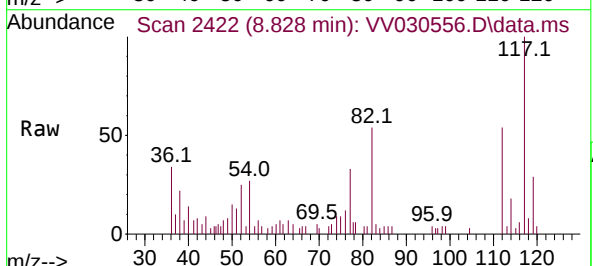
Tgt Ion:112 Resp: 4367

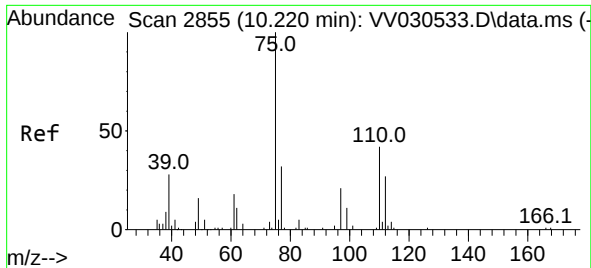
Ion Ratio Lower Upper

112 100

114 33.6 22.4 41.6

77 72.0 45.9 68.9#





#61
 1,2,3-Trichloropropane
 Concen: 0.169 ug/L
 RT: 9.738 min Scan# 21
 Delta R.T. -0.482 min
 Lab File: VV030556.D
 Acq: 13 Apr 2023 19:39

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AC8

Tgt Ion: 75 Resp: 956
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.0 39.0#
 110 8.9 31.6 47.4#

