

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041023\
 Data File : VV030475.D
 Acq On : 10 Apr 2023 18:13
 Operator : SY/MD
 Sample : 02254-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA3

Quant Time: Apr 11 06:31:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 11 06:24:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	119290	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	115068	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	57681	5.000	ug/L	0.00

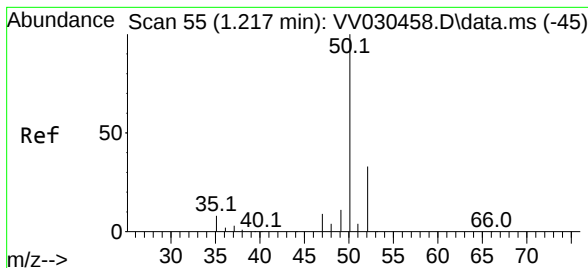
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	27527	3.484	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.600%
7) Chloroethane-d5	1.536	69	30184	3.937	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.800%
11) 1,1-Dichloroethene-d2	2.073	63	1558531	83.132	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	1662.600%#
20) 2-Butanone-d5	3.822	46	90114	44.129	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.260%
24) Chloroform-d	4.259	84	83436	4.363	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
26) 1,2-Dichloroethane-d4	4.954	65	42366	4.696	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	4.970	84	146858	4.529	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	5.998	67	45466	4.479	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.600%
41) Toluene-d8	7.252	98	118163	3.968	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.400%
43) trans-1,3-Dichloroprop...	7.564	79	15261	3.993	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.800%
46) 2-Hexanone-d5	8.034	63	63664	41.452	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.900%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	35532	4.441	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.800%
66) 1,2-Dichlorobenzene-d4	11.571	152	51167	4.963	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.200%

Target Compounds				Qvalue		
3) Chloromethane	1.217	50	2984	0.156	ug/L	93
5) Vinyl chloride	1.285	62	11636	0.834	ug/L	99
6) Bromomethane	1.491	94	404	0.102	ug/L	89
8) Chloroethane	1.555	64	8047	1.007	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	6661	0.593	ug/L #	31
12) 1,1-Dichloroethene	2.076	96	2596564	260.510	ug/L #	67
13) Acetone	2.150	43	3211	1.644	ug/L	85
19) 1,1-Dichloroethane	3.118	63	2920800	143.483	ug/L	97
27) 1,2-Dichloroethane	5.056	62	6435	0.517	ug/L	96
29) 1,1,1-Trichloroethane	4.529	97	13881970	750.591	ug/L	97
31) Carbon tetrachloride	4.529	117	1773165	105.663	ug/L	99
34) Trichloroethene	5.841	95	80121	7.269	ug/L	97
35) Methylcyclohexane	5.998	83	11910	0.688	ug/L #	17
47) Tetrachloroethene	7.915	164	1753	0.180	ug/L	92
49) Dibromochloromethane	7.918	129	1532	0.174	ug/L #	12

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

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#3

Chloromethane

Concen: 0.156 ug/L

RT: 1.217 min Scan# 51

Delta R.T. 0.000 min

Lab File: VV030475.D

Acq: 10 Apr 2023 18:13

Instrument :

MSVOA_V

ClientSampleId :

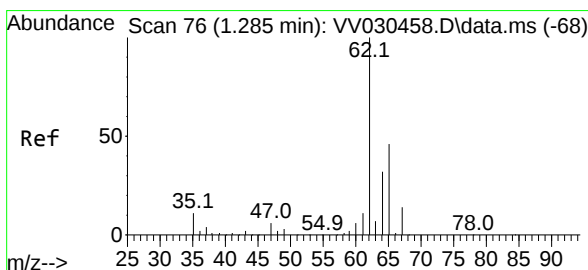
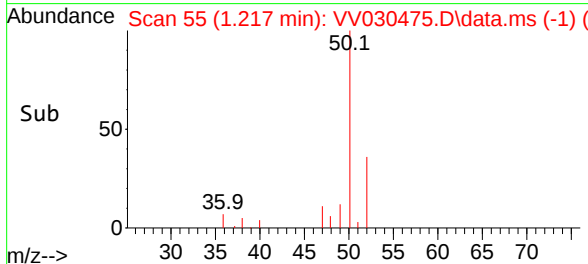
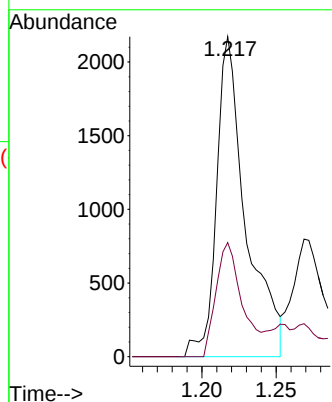
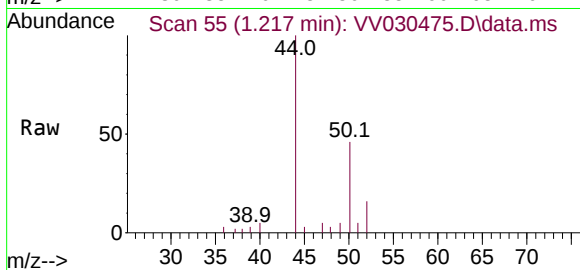
C0AA3

Tgt Ion: 50 Resp: 2984

Ion Ratio Lower Upper

50 100

52 35.6 22.3 41.5



#5

Vinyl chloride

Concen: 0.834 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV030475.D

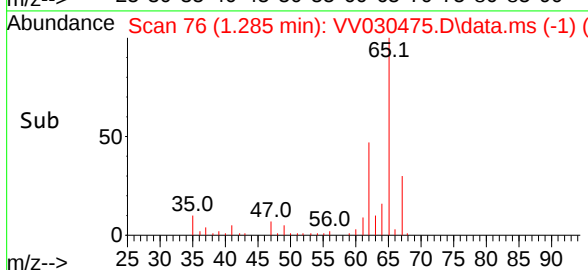
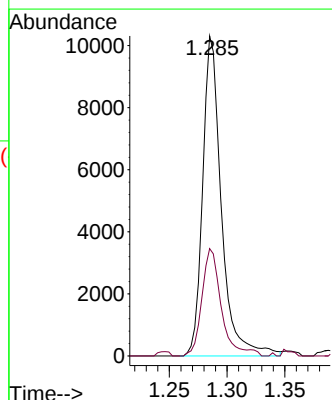
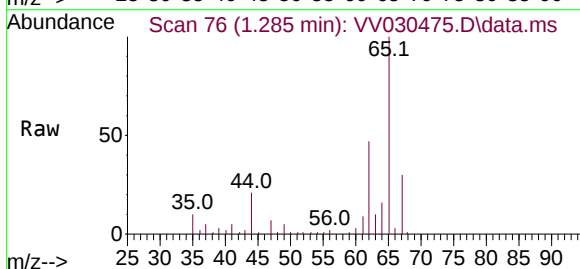
Acq: 10 Apr 2023 18:13

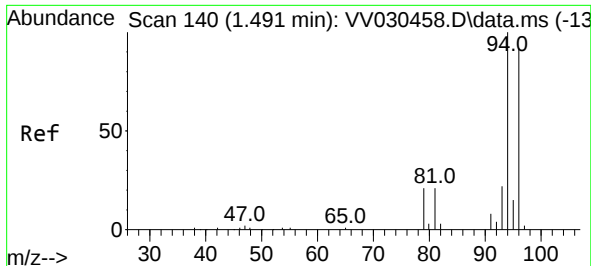
Tgt Ion: 62 Resp: 11636

Ion Ratio Lower Upper

62 100

64 33.5 23.2 43.2

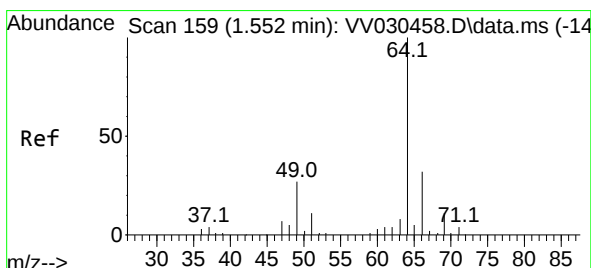
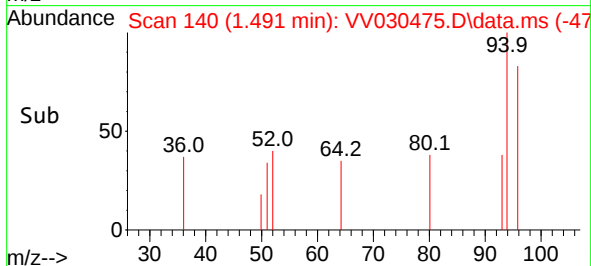
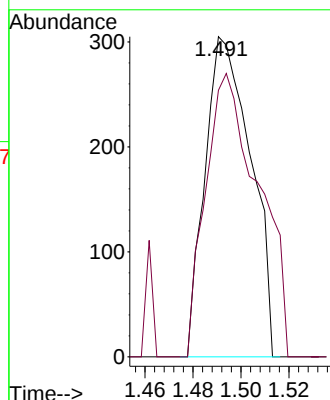
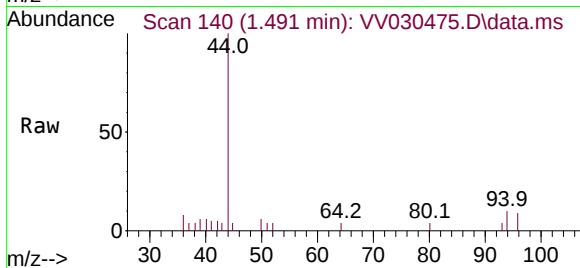




#6
Bromomethane
Concen: 0.102 ug/L
RT: 1.491 min Scan# 14
Delta R.T. 0.000 min
Lab File: VV030475.D
Acq: 10 Apr 2023 18:13

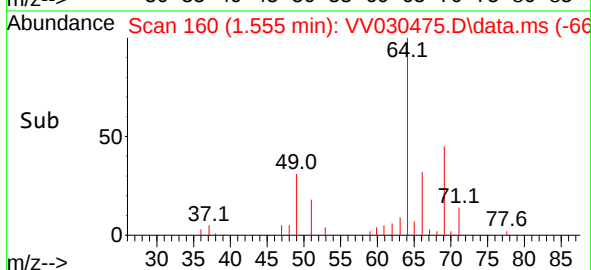
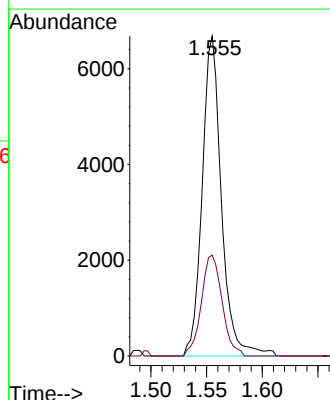
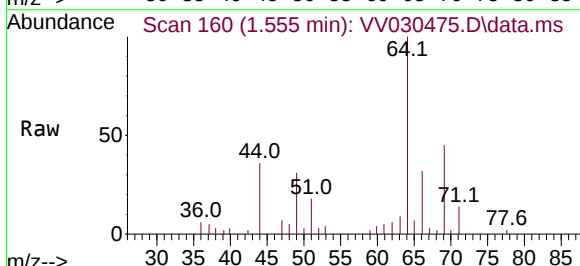
Instrument :
MSVOA_V
ClientSampleId :
C0AA3

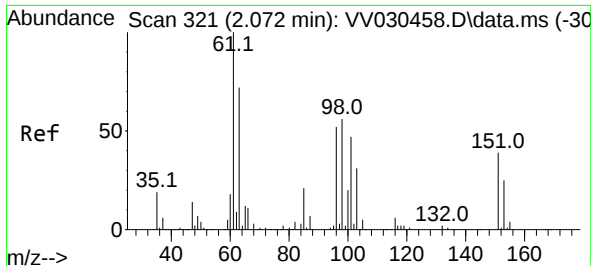
Tgt Ion: 94 Resp: 404
Ion Ratio Lower Upper
94 100
96 83.3 66.1 122.7



#8
Chloroethane
Concen: 1.007 ug/L
RT: 1.555 min Scan# 160
Delta R.T. 0.003 min
Lab File: VV030475.D
Acq: 10 Apr 2023 18:13

Tgt Ion: 64 Resp: 8047
Ion Ratio Lower Upper
64 100
66 31.5 23.0 42.8

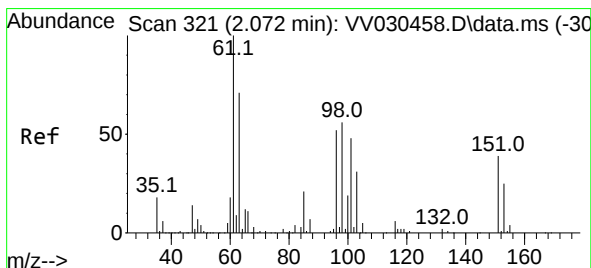
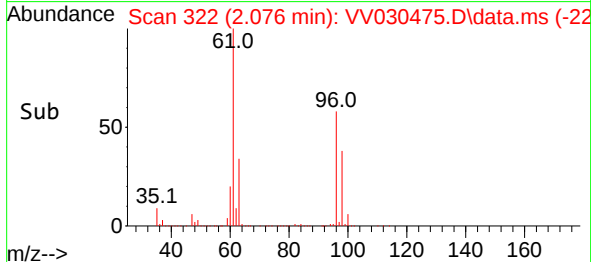
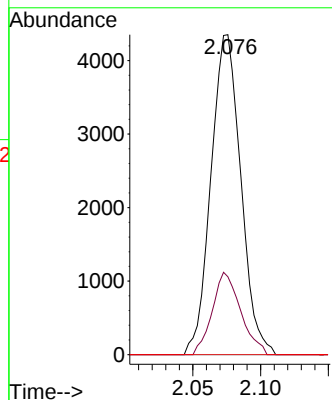
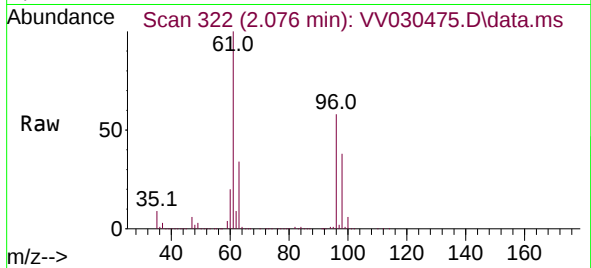




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.593 ug/L
 RT: 2.076 min Scan# 311
 Delta R.T. 0.003 min
 Lab File: VV030475.D
 Acq: 10 Apr 2023 18:13

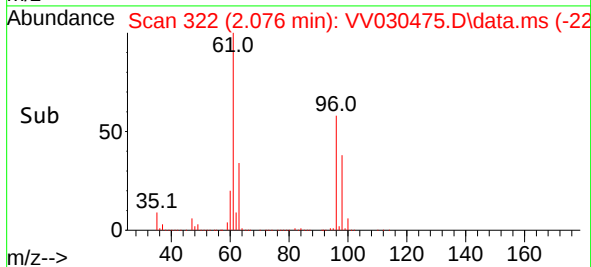
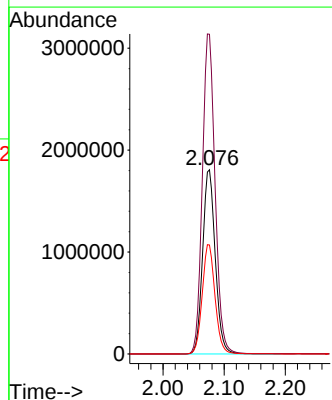
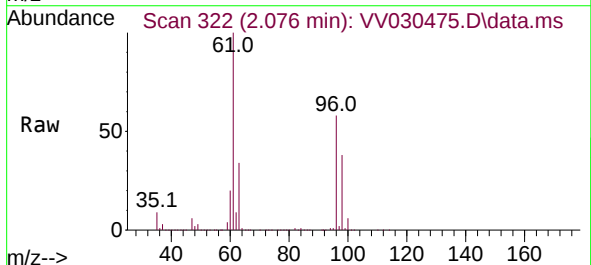
Instrument :
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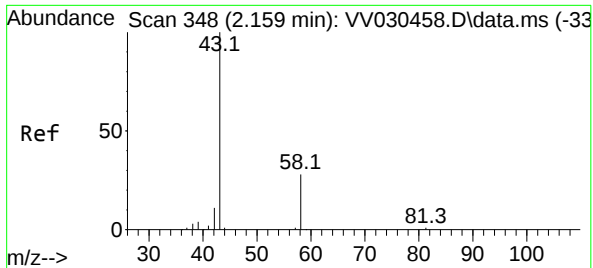
Tgt Ion:101 Resp: 6661
 Ion Ratio Lower Upper
 101 100
 85 24.5 38.1 57.1#
 151 0.0 62.7 94.1#



#12
 1,1-Dichloroethene
 Concen: 260.510 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV030475.D
 Acq: 10 Apr 2023 18:13

Tgt Ion: 96 Resp: 2596564
 Ion Ratio Lower Upper
 96 100
 61 173.5 136.3 253.1
 63 59.2 92.1 171.1#





#13

Acetone

Concen: 1.644 ug/L

RT: 2.150 min Scan# 348

Delta R.T. -0.010 min

Lab File: VV030475.D

Acq: 10 Apr 2023 18:13

Instrument :

MSVOA_V

ClientSampleId :

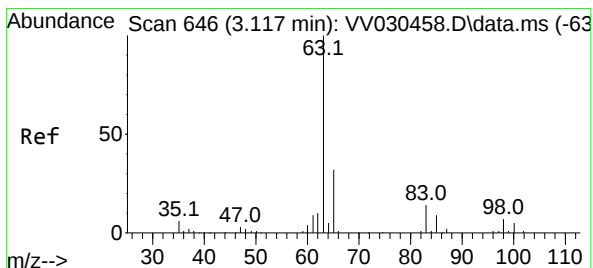
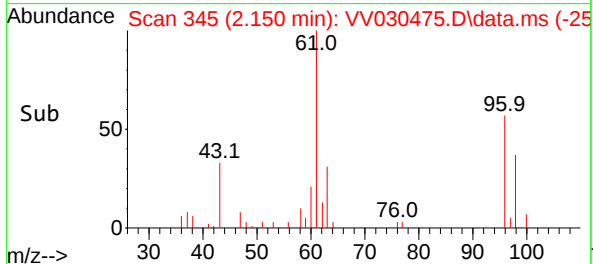
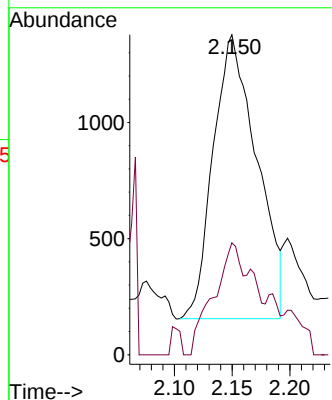
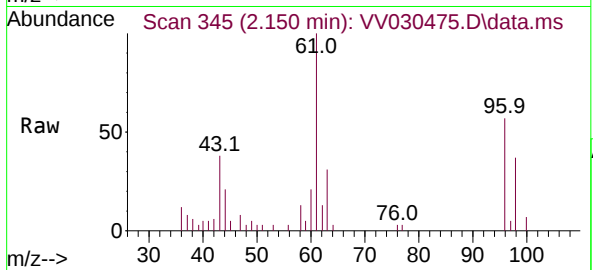
C0AA3

Tgt Ion: 43 Resp: 3211

Ion Ratio Lower Upper

43 100

58 27.3 0.0 40.8



#19

1,1-Dichloroethane

Concen: 143.483 ug/L

RT: 3.118 min Scan# 646

Delta R.T. 0.000 min

Lab File: VV030475.D

Acq: 10 Apr 2023 18:13

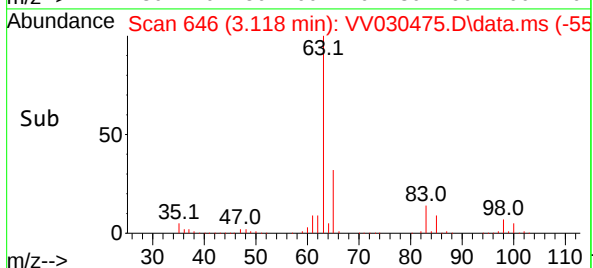
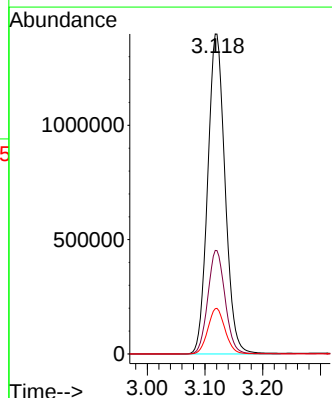
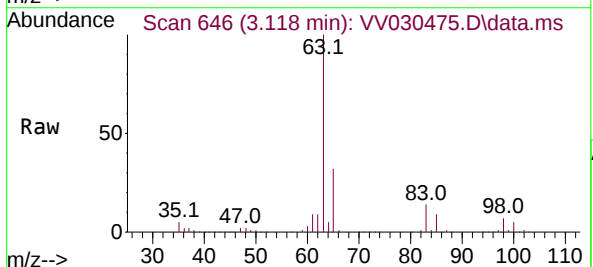
Tgt Ion: 63 Resp: 2920800

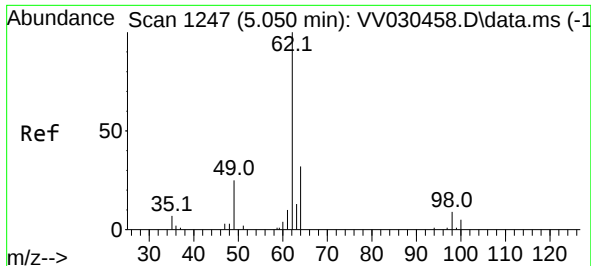
Ion Ratio Lower Upper

63 100

65 32.3 21.7 40.3

83 14.2 9.1 16.9





#27

1,2-Dichloroethane

Concen: 0.517 ug/L

RT: 5.056 min Scan# 11

Delta R.T. 0.007 min

Lab File: VV030475.D

Acq: 10 Apr 2023 18:13

Instrument :

MSVOA_V

ClientSampleId :

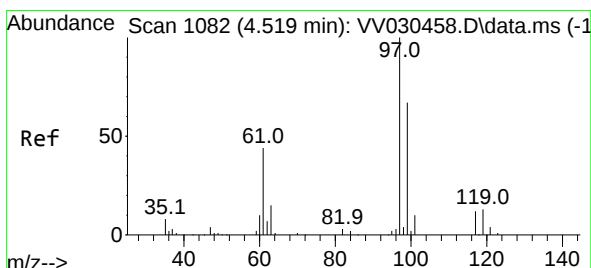
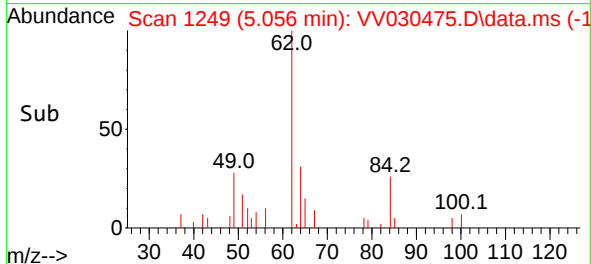
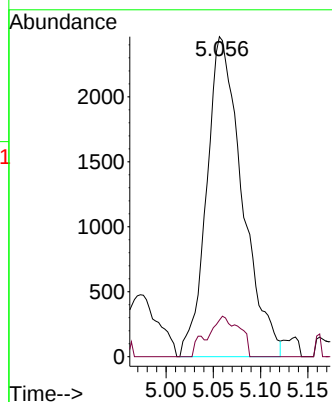
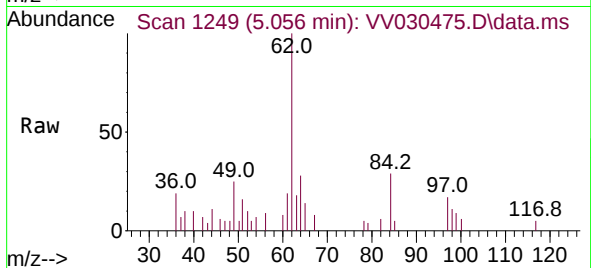
C0AA3

Tgt Ion: 62 Resp: 6435

Ion Ratio Lower Upper

62 100

98 11.4 7.8 11.8



#29

1,1,1-Trichloroethane

Concen: 750.591 ug/L

RT: 4.529 min Scan# 1085

Delta R.T. 0.010 min

Lab File: VV030475.D

Acq: 10 Apr 2023 18:13

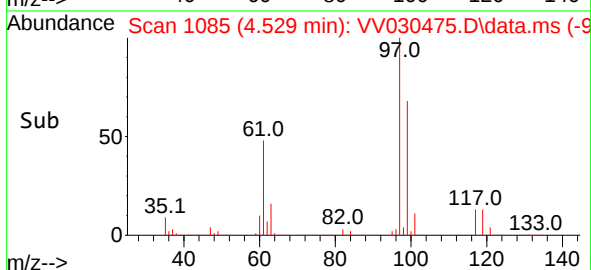
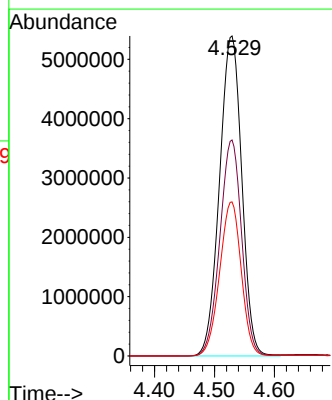
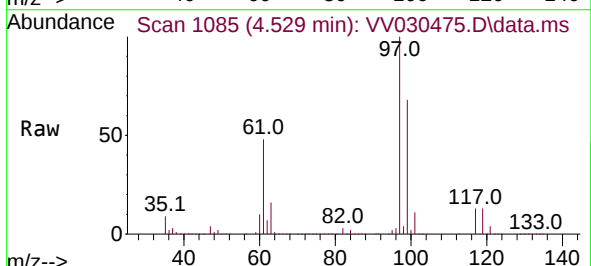
Tgt Ion: 97 Resp:13881970

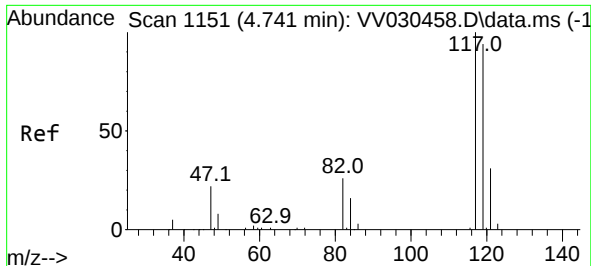
Ion Ratio Lower Upper

97 100

99 66.2 50.9 76.3

61 46.8 35.9 53.9

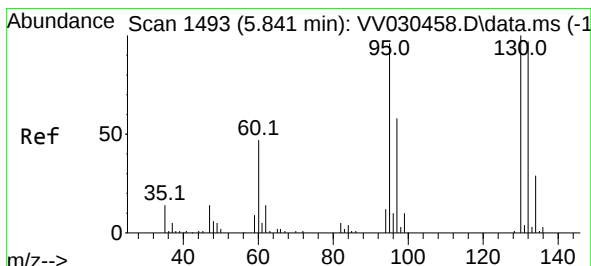
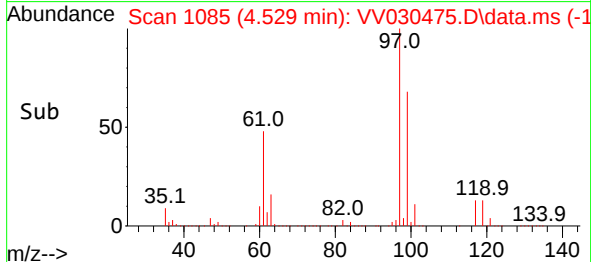
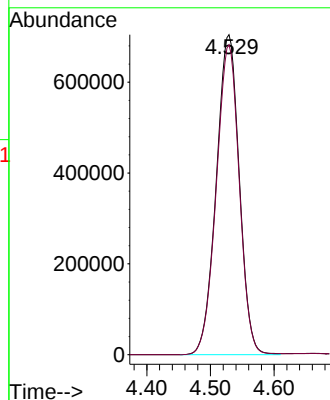
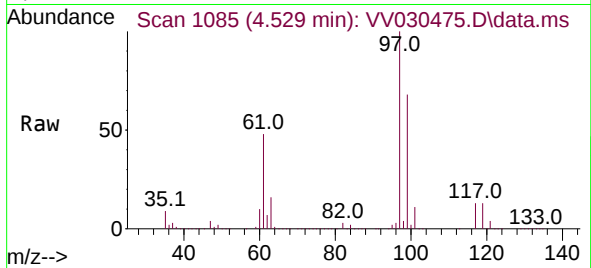




#31
Carbon tetrachloride
Concen: 105.663 ug/L
RT: 4.529 min Scan# 1085
Delta R.T. -0.212 min
Lab File: VV030475.D
Acq: 10 Apr 2023 18:13

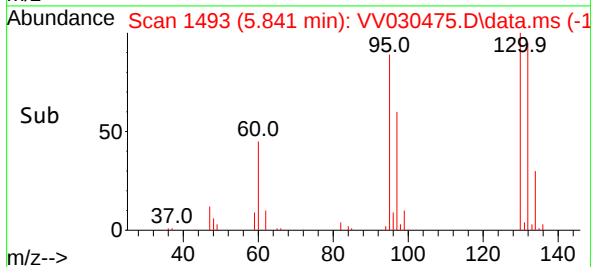
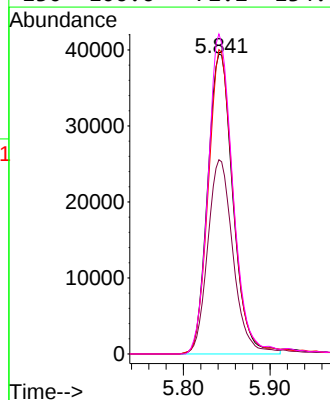
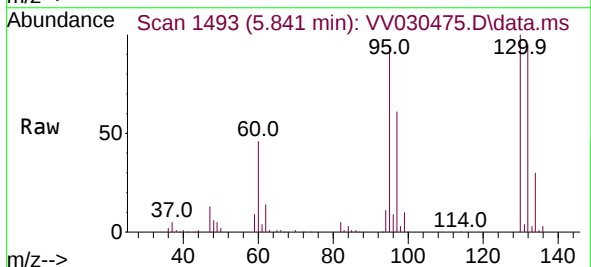
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MSVOA_V
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C0AA3

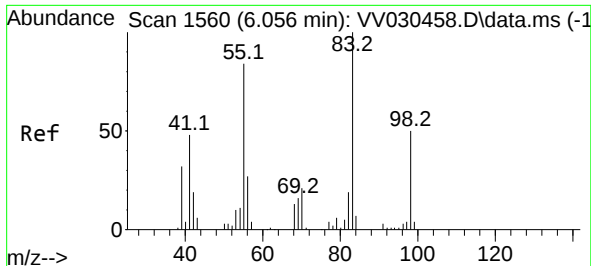
Tgt Ion:117 Resp: 1773165
Ion Ratio Lower Upper
117 100
119 96.6 76.2 114.4



#34
Trichloroethene
Concen: 7.269 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV030475.D
Acq: 10 Apr 2023 18:13

Tgt Ion: 95 Resp: 80121
Ion Ratio Lower Upper
95 100
97 64.7 44.2 82.2
132 101.4 69.5 129.1
130 106.6 72.2 134.0





#35

Methylcyclohexane

Concen: 0.688 ug/L

RT: 5.998 min Scan# 11

Delta R.T. -0.058 min

Lab File: VV030475.D

Acq: 10 Apr 2023 18:13

Instrument :

MSVOA_V

ClientSampleId :

C0AA3

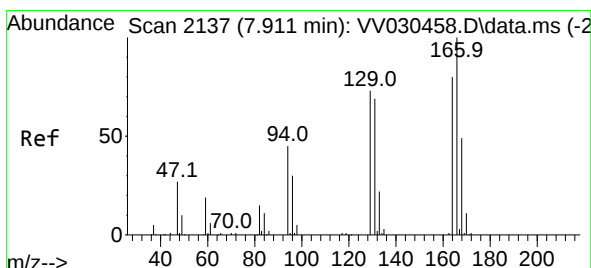
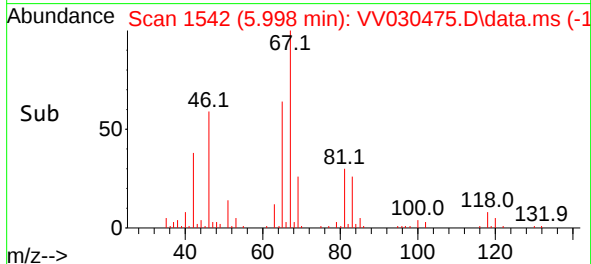
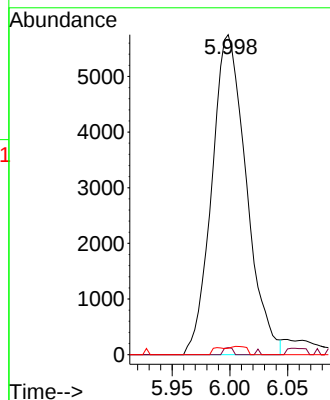
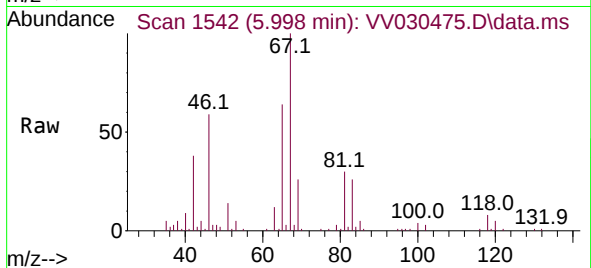
Tgt Ion: 83 Resp: 11910

Ion Ratio Lower Upper

83 100

55 0.6 66.6 100.0#

98 1.3 38.6 58.0#



#47

Tetrachloroethene

Concen: 0.180 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VV030475.D

Acq: 10 Apr 2023 18:13

Tgt Ion:164 Resp: 1753

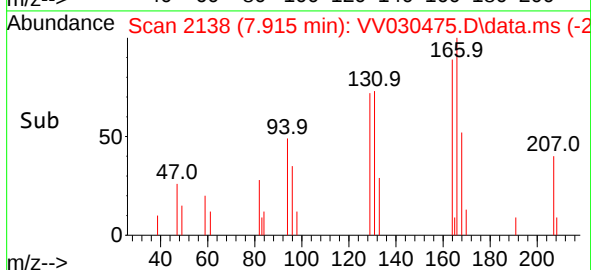
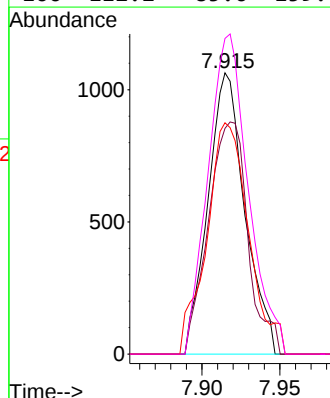
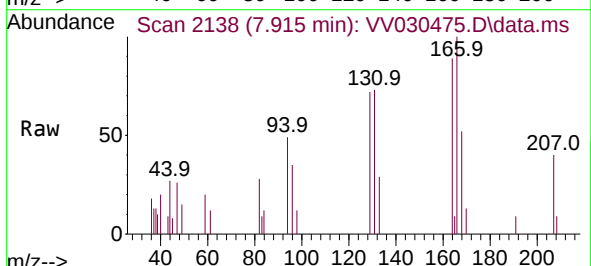
Ion Ratio Lower Upper

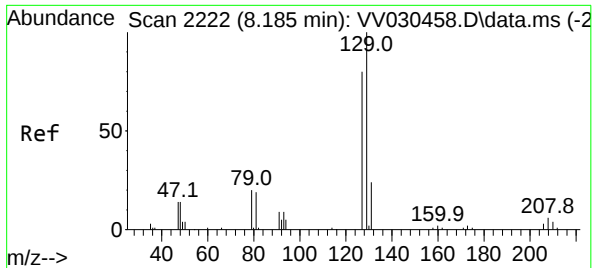
164 100

129 80.3 60.8 112.8

131 82.2 61.7 114.7

166 112.2 85.6 159.0





#49
 Dibromochloromethane
 Concen: 0.174 ug/L
 RT: 7.918 min Scan# 21
 Delta R.T. -0.267 min
 Lab File: VV030475.D
 Acq: 10 Apr 2023 18:13

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA3

Tgt Ion:129 Resp: 1532
 Ion Ratio Lower Upper
 129 100
 127 0.0 52.7 97.9#

