

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040523\
 Data File : VW030396.D
 Acq On : 05 Apr 2023 13:19
 Operator : SY/MD
 Sample : 02194-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDT8

Quant Time: Apr 06 05:26:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 31 05:37:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	149821	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	143845	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	94095	5.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	29418	2.965	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.200%
7) Chloroethane-d5	1.536	69	35434	3.680	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.600%
11) 1,1-Dichloroethene-d2	2.066	63	69249	2.941	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.800%#
20) 2-Butanone-d5	3.809	46	120861	47.124	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.240%
24) Chloroform-d	4.256	84	101372	4.221	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
26) 1,2-Dichloroethane-d4	4.950	65	52364	4.621	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
32) Benzene-d6	4.966	84	172476	4.255	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.200%
36) 1,2-Dichloropropane-d6	5.995	67	55870	4.403	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.000%
41) Toluene-d8	7.249	98	138334	3.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.400%
43) trans-1,3-Dichloroprop...	7.561	79	19758	4.135	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.800%
46) 2-Hexanone-d5	8.030	63	91193	47.498	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.000%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	42541	4.253	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.000%
66) 1,2-Dichlorobenzene-d4	11.570	152	66095	3.930	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.600%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	4240	0.176	ug/L	96
6) Bromomethane	1.497	94	1354	0.271	ug/L	98
8) Chloroethane	1.355	64	410646	40.915	ug/L	# 51
12) 1,1-Dichloroethene	2.072	96	29236	2.335	ug/L	# 84
13) Acetone	2.137	43	8009	3.266	ug/L	73
14) Carbon disulfide	2.246	76	12605	0.306	ug/L	# 94
15) Methyl Acetate	2.381	43	2862	0.653	ug/L	# 48
16) Methylene chloride	2.452	84	4048	0.273	ug/L	92
18) trans-1,2-Dichloroethene	2.699	96	1797	0.136	ug/L	# 85
19) 1,1-Dichloroethane	3.117	63	276799	10.827	ug/L	99
22) cis-1,2-Dichloroethene	3.822	96	148617	11.229	ug/L	99
27) 1,2-Dichloroethane	5.056	62	4840	0.310	ug/L	# 84
29) 1,1,1-Trichloroethane	4.519	97	4546	0.197	ug/L	92
33) Benzene	5.018	78	5238	0.103	ug/L	100
34) Trichloroethene	5.841	95	33867	2.458	ug/L	95
37) 1,2-Dichloropropane	6.101	63	11966	0.912	ug/L	99
42) Toluene	7.330	91	9525	0.175	ug/L	83
47) Tetrachloroethene	7.911	164	603143	49.597	ug/L	97
49) Dibromochloromethane	7.911	129	517994	47.119	ug/L	# 12

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QLast Update : Fri Mar 31 05:37:21 2023
Response via : Initial Calibration

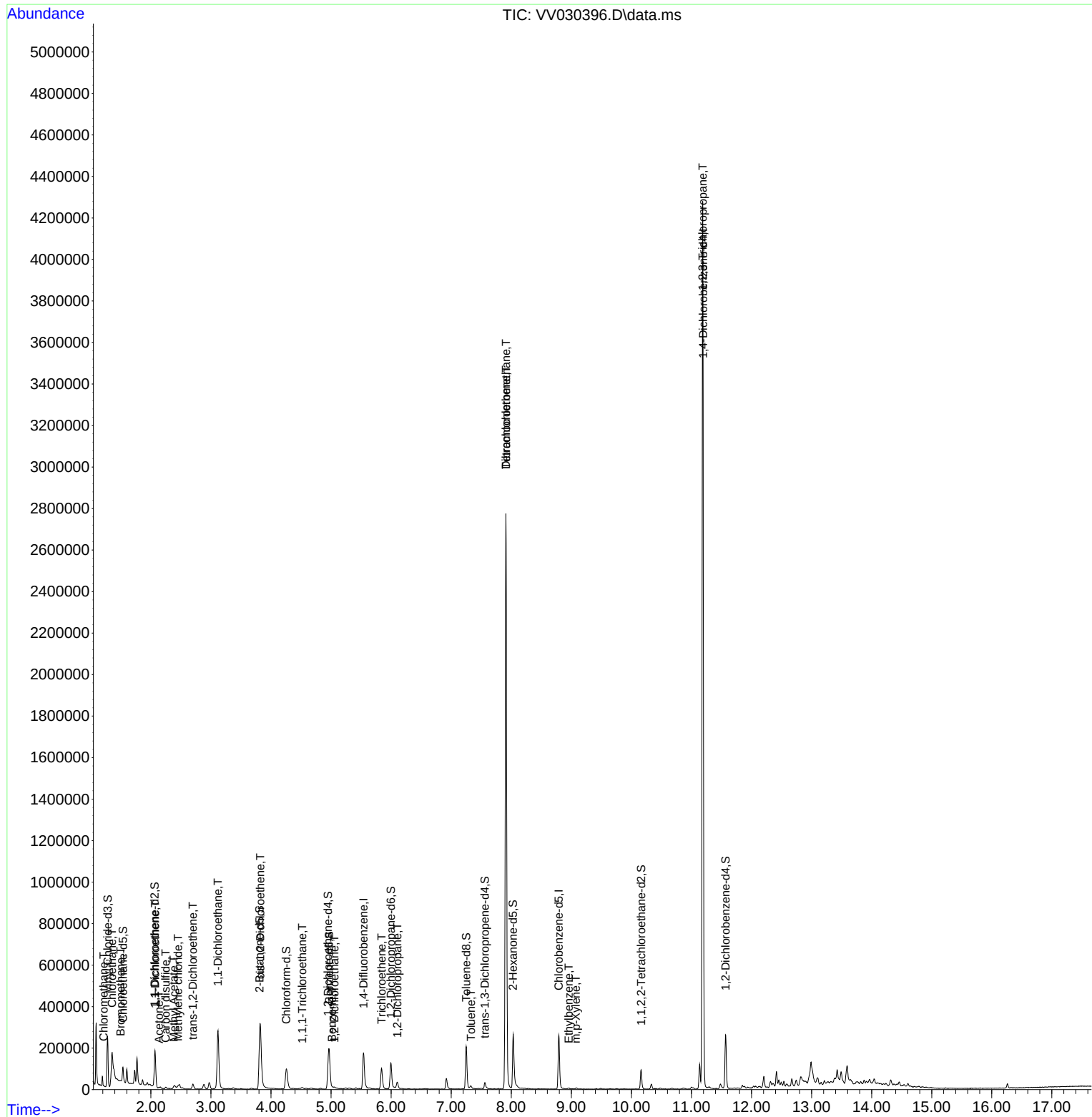
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	8.956	91	3038	0.051	ug/L	86
53) m,p-Xylene	9.079	106	1309	0.057	ug/L	93
61) 1,2,3-Trichloropropane	11.188	75	28715	3.413	ug/L #	1

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

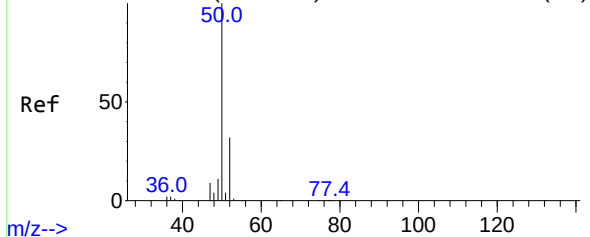
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040523\
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Abundance Scan 55 (1.217 min): VV030393.D\data.ms (-47)



#3

Chloromethane

Concen: 0.176 ug/L

RT: 1.217 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV030396.D

Acq: 05 Apr 2023 13:19

Instrument :

MSVOA_V

ClientSampleId :

BHDT8

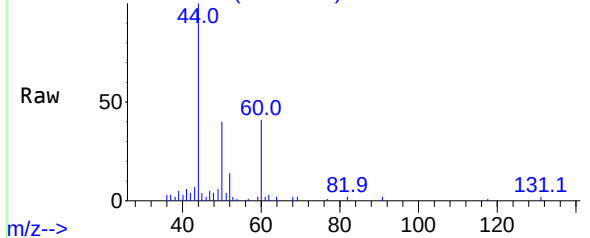
Tgt Ion: 50 Resp: 4240

Ion Ratio Lower Upper

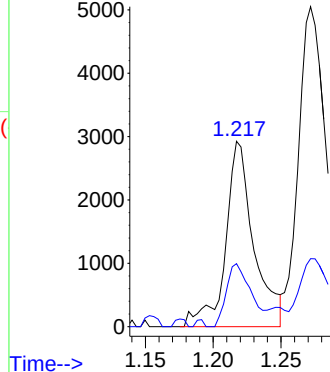
50 100

52 33.9 22.3 41.5

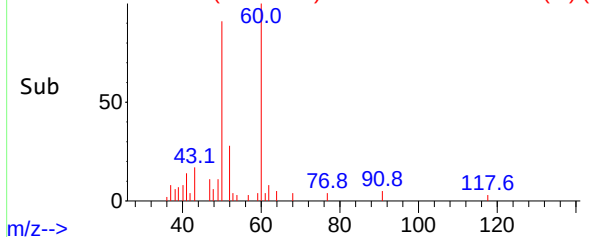
Abundance Scan 55 (1.217 min): VV030396.D\data.ms



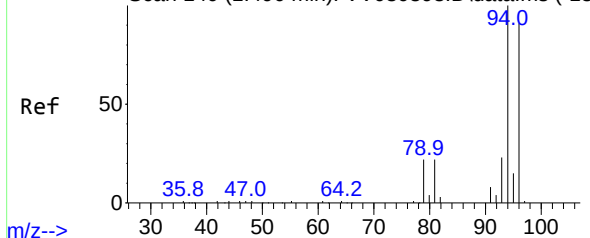
Abundance



Abundance Scan 55 (1.217 min): VV030396.D\data.ms (-1)



Abundance Scan 140 (1.490 min): VV030393.D\data.ms (-13)



#6

Bromomethane

Concen: 0.271 ug/L

RT: 1.497 min Scan# 142

Delta R.T. 0.006 min

Lab File: VV030396.D

Acq: 05 Apr 2023 13:19

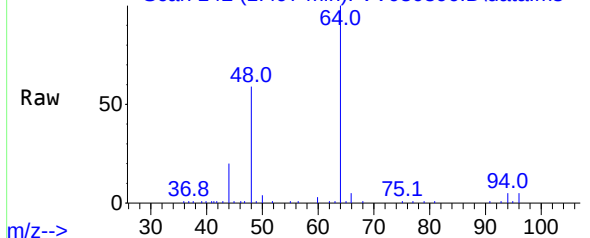
Tgt Ion: 94 Resp: 1354

Ion Ratio Lower Upper

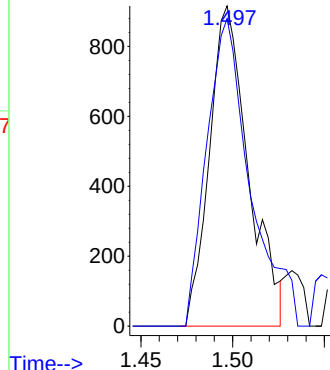
94 100

96 96.1 66.1 122.7

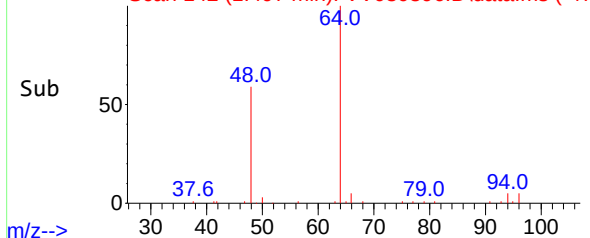
Abundance Scan 142 (1.497 min): VV030396.D\data.ms

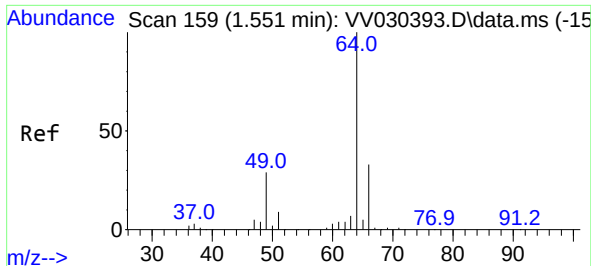


Abundance



Abundance Scan 142 (1.497 min): VV030396.D\data.ms (-47)

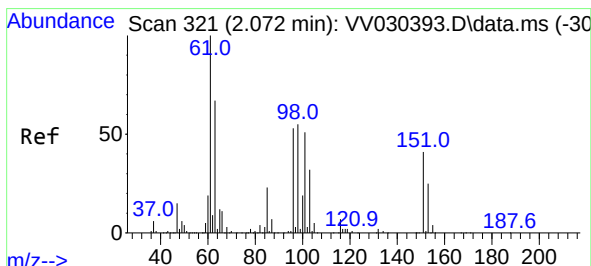
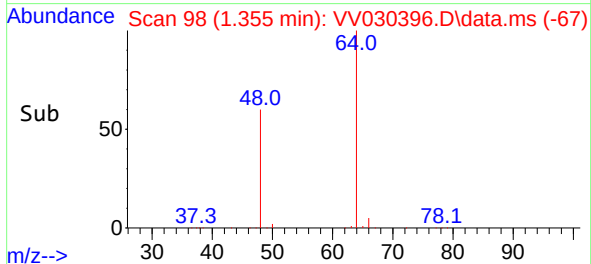
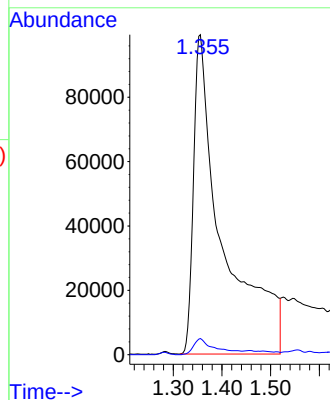
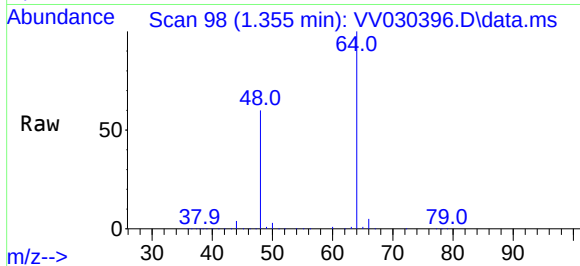




#8
Chloroethane
Concen: 40.915 ug/L
RT: 1.355 min Scan# 91
Delta R.T. -0.199 min
Lab File: VV030396.D
Acq: 05 Apr 2023 13:19

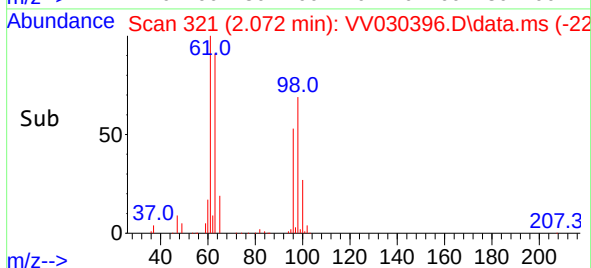
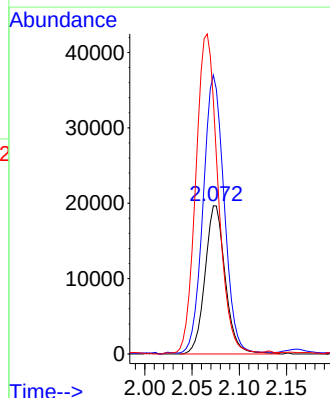
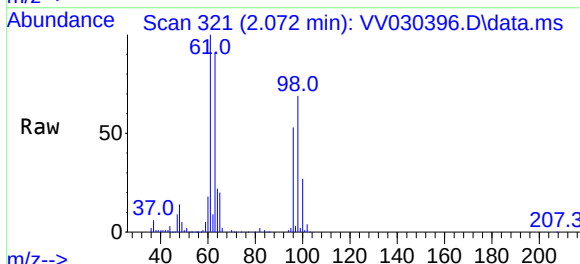
Instrument :
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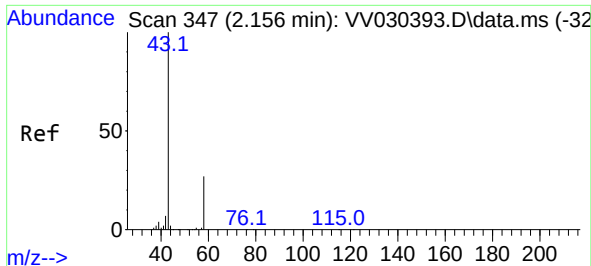
Tgt Ion: 64 Resp: 410646
Ion Ratio Lower Upper
64 100
66 5.0 23.0 42.8#



#12
1,1-Dichloroethene
Concen: 2.335 ug/L
RT: 2.072 min Scan# 321
Delta R.T. -0.003 min
Lab File: VV030396.D
Acq: 05 Apr 2023 13:19

Tgt Ion: 96 Resp: 29236
Ion Ratio Lower Upper
96 100
61 188.3 136.3 253.1
63 171.7 92.1 171.1#





#13

Acetone

Concen: 3.266 ug/L

RT: 2.137 min Scan# 34

Delta R.T. -0.010 min

Lab File: VV030396.D

Acq: 05 Apr 2023 13:19

Instrument :

MSVOA_V

ClientSampleId :

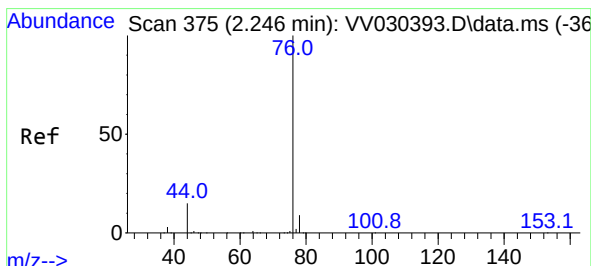
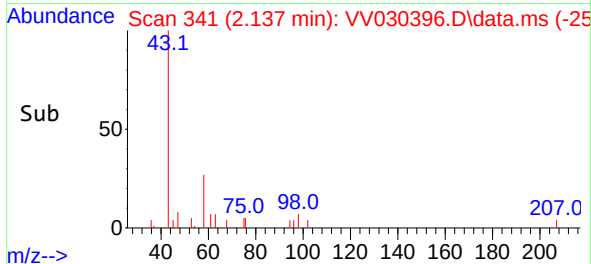
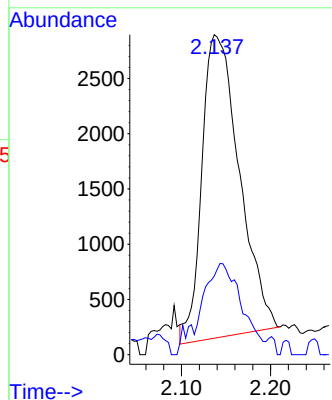
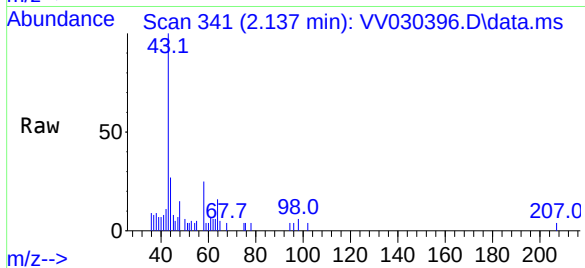
BHDT8

Tgt Ion: 43 Resp: 8009

Ion Ratio Lower Upper

43 100

58 32.8 0.0 40.8



#14

Carbon disulfide

Concen: 0.306 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030396.D

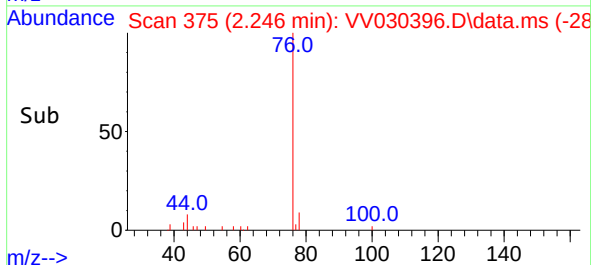
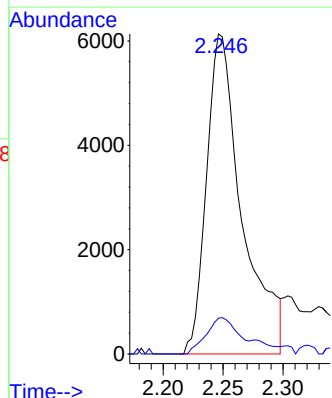
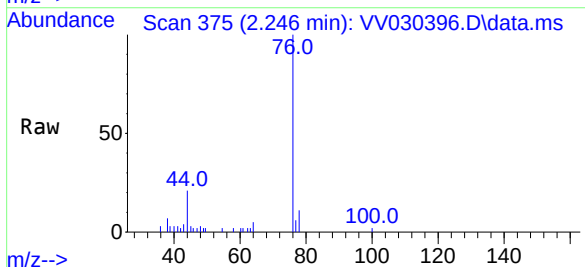
Acq: 05 Apr 2023 13:19

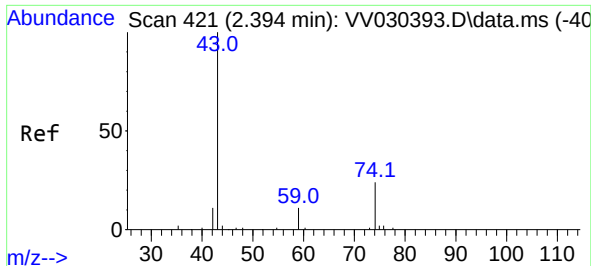
Tgt Ion: 76 Resp: 12605

Ion Ratio Lower Upper

76 100

78 11.2 7.3 10.9#

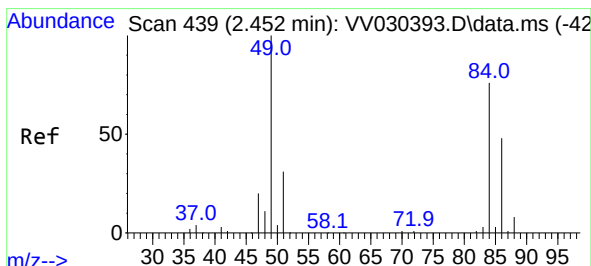
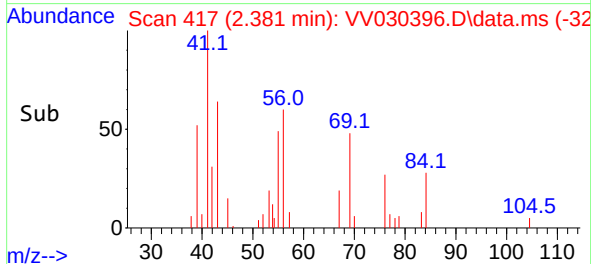
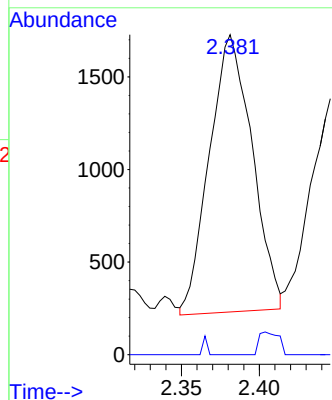
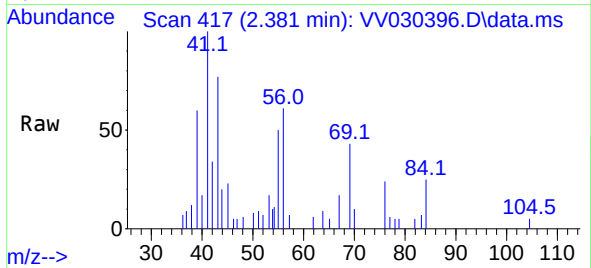




#15
Methyl Acetate
Concen: 0.653 ug/L
RT: 2.381 min Scan# 417
Delta R.T. -0.010 min
Lab File: VV030396.D
Acq: 05 Apr 2023 13:19

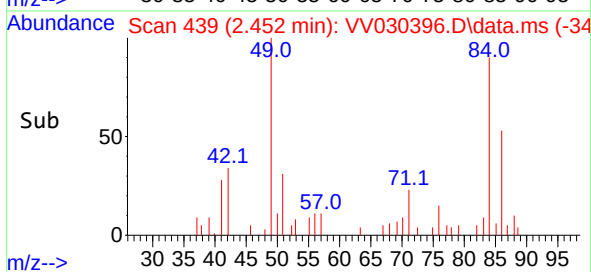
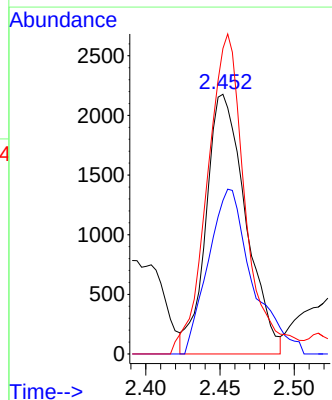
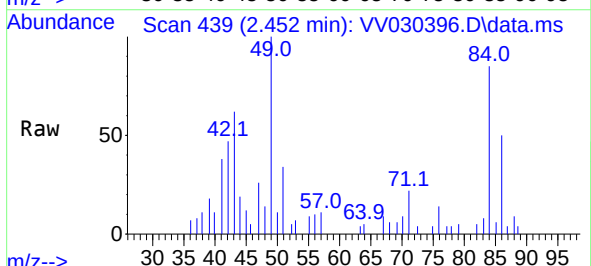
Instrument :
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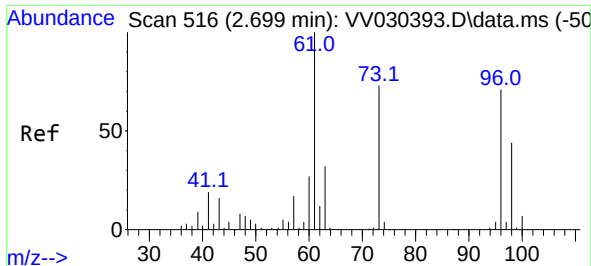
Tgt Ion: 43 Resp: 2862
Ion Ratio Lower Upper
43 100
74 0.7 22.1 33.1#



#16
Methylene chloride
Concen: 0.273 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.000 min
Lab File: VV030396.D
Acq: 05 Apr 2023 13:19

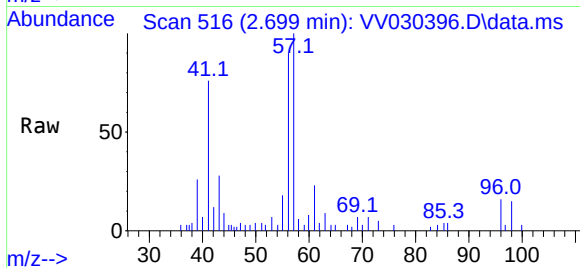
Tgt Ion: 84 Resp: 4048
Ion Ratio Lower Upper
84 100
86 59.1 44.0 81.6
49 117.6 90.6 168.3



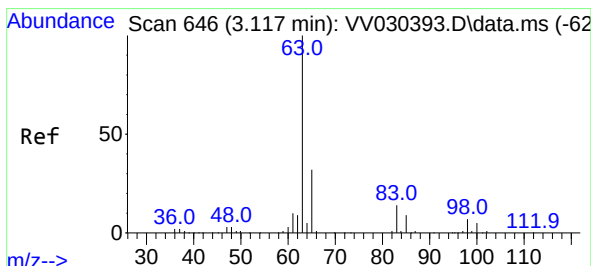
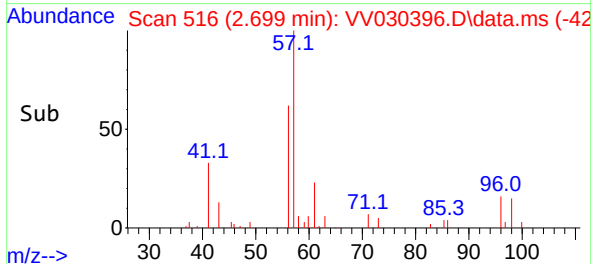
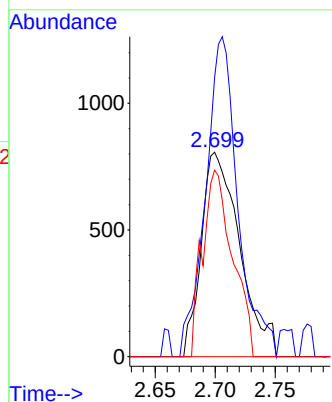


#18
trans-1,2-Dichloroethene
Concen: 0.136 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV030396.D
Acq: 05 Apr 2023 13:19

Instrument :
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ClientSampleId :
BHDT8

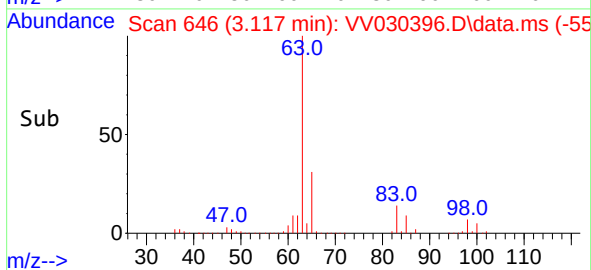
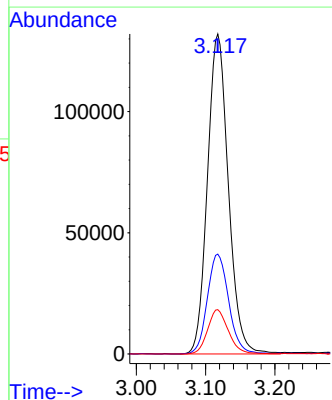
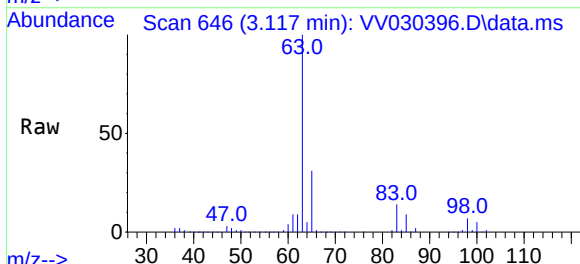


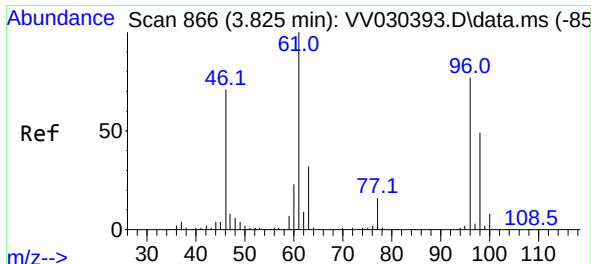
Tgt Ion: 96 Resp: 1797
Ion Ratio Lower Upper
96 100
61 136.6 101.7 188.9
98 91.2 45.8 85.2#



#19
1,1-Dichloroethane
Concen: 10.827 ug/L
RT: 3.117 min Scan# 646
Delta R.T. -0.000 min
Lab File: VV030396.D
Acq: 05 Apr 2023 13:19

Tgt Ion: 63 Resp: 276799
Ion Ratio Lower Upper
63 100
65 31.2 21.7 40.3
83 13.9 9.1 16.9

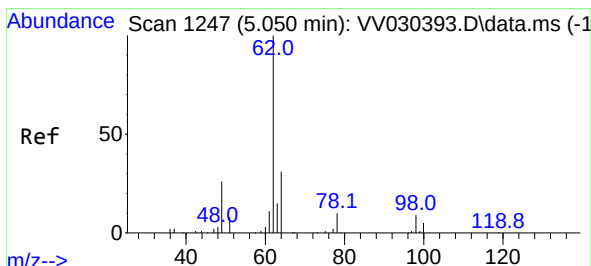
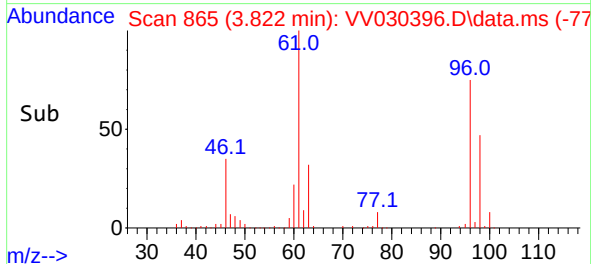
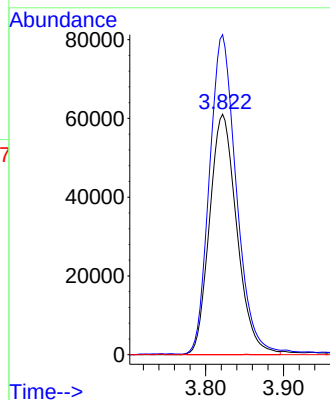
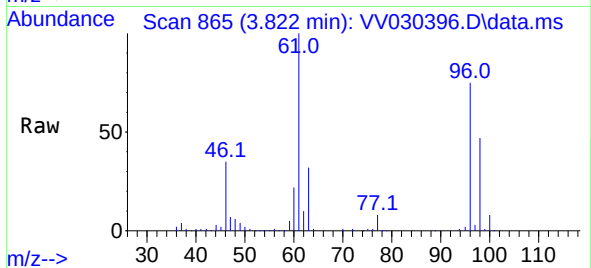




#22
 cis-1,2-Dichloroethene
 Concen: 11.229 ug/L
 RT: 3.822 min Scan# 866
 Delta R.T. -0.003 min
 Lab File: VV030396.D
 Acq: 05 Apr 2023 13:19

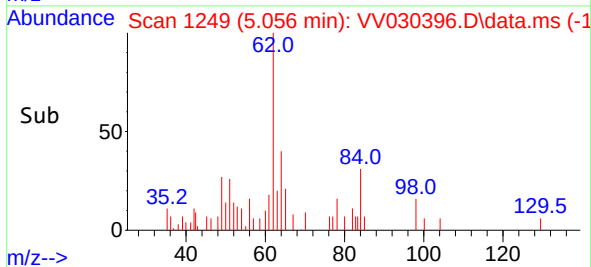
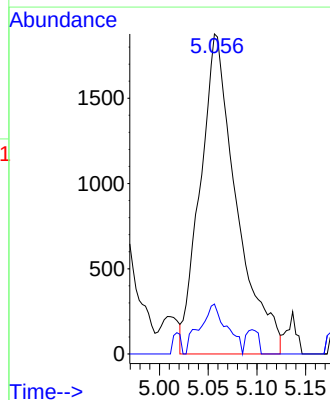
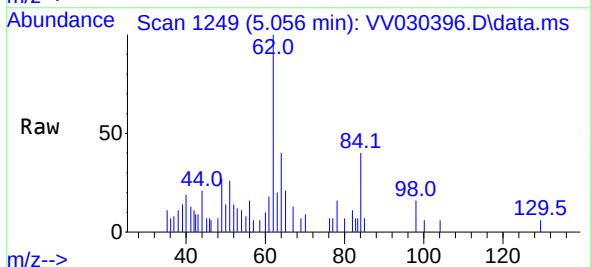
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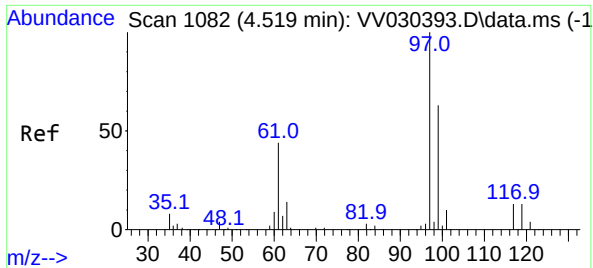
Tgt Ion: 96 Resp: 148617
 Ion Ratio Lower Upper
 96 100
 61 133.0 92.0 170.8
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.310 ug/L
 RT: 5.056 min Scan# 1249
 Delta R.T. 0.006 min
 Lab File: VV030396.D
 Acq: 05 Apr 2023 13:19

Tgt Ion: 62 Resp: 4840
 Ion Ratio Lower Upper
 62 100
 98 15.6 7.8 11.8#

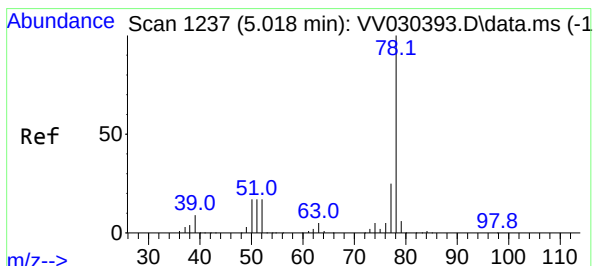
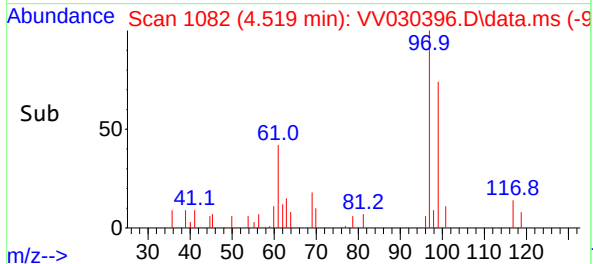
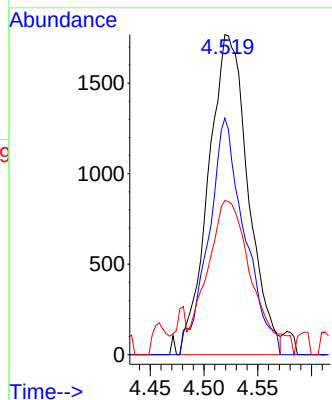
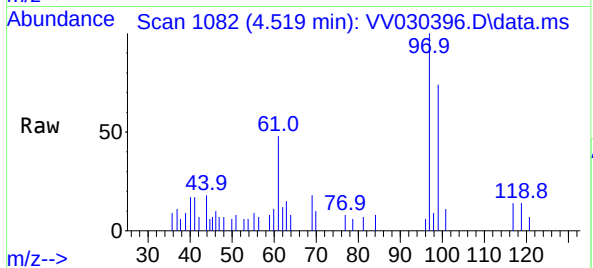




#29
1,1,1-Trichloroethane
Concen: 0.197 ug/L
RT: 4.519 min Scan# 1082
Delta R.T. -0.003 min
Lab File: VV030396.D
Acq: 05 Apr 2023 13:19

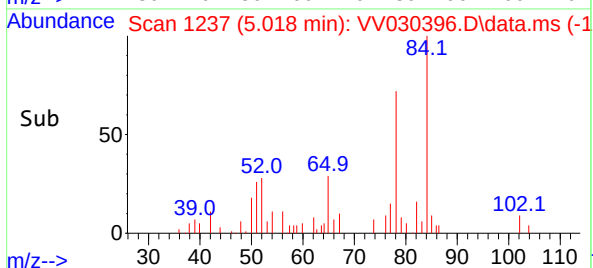
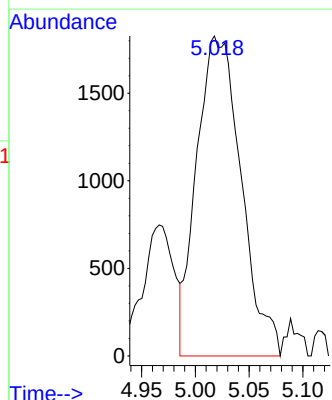
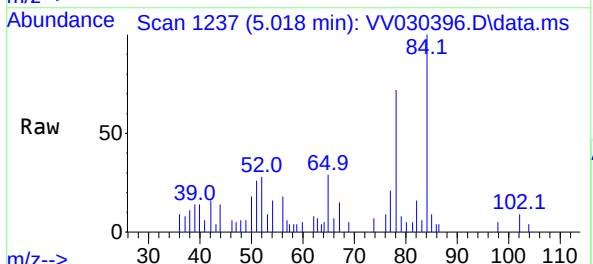
Instrument :
MSVOA_V
ClientSampleId :
BHDT8

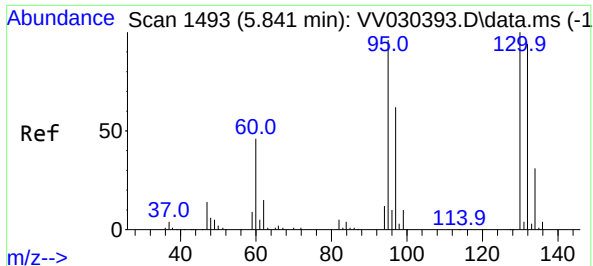
Tgt Ion: 97 Resp: 4546
Ion Ratio Lower Upper
97 100
99 67.0 50.9 76.3
61 53.7 35.9 53.9



#33
Benzene
Concen: 0.103 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV030396.D
Acq: 05 Apr 2023 13:19

Tgt Ion: 78 Resp: 5238

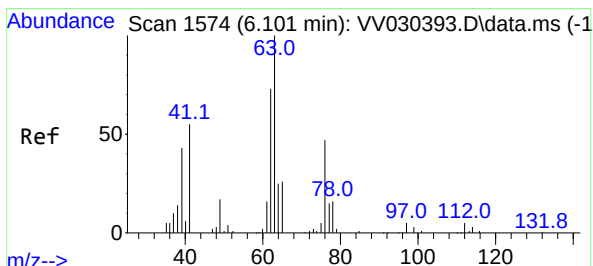
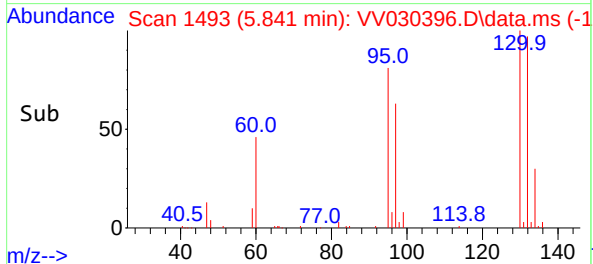
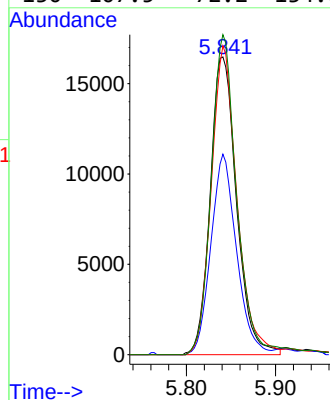
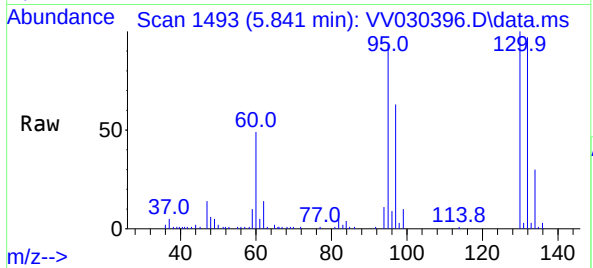




#34
Trichloroethene
Concen: 2.458 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VV030396.D
Acq: 05 Apr 2023 13:19

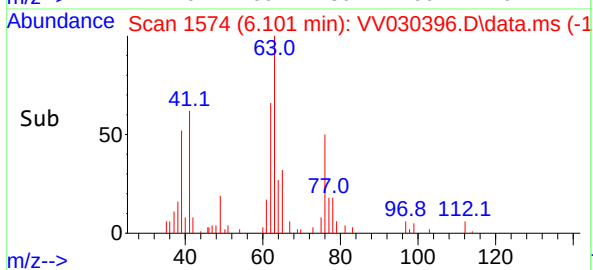
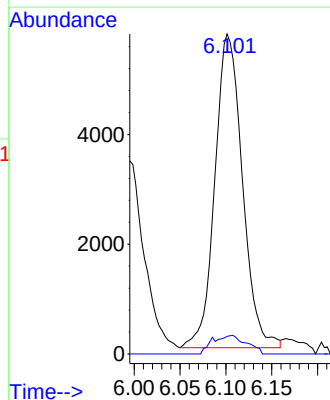
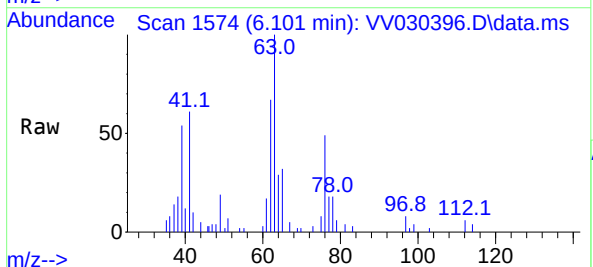
Instrument :
MSVOA_V
ClientSampleId :
BHDT8

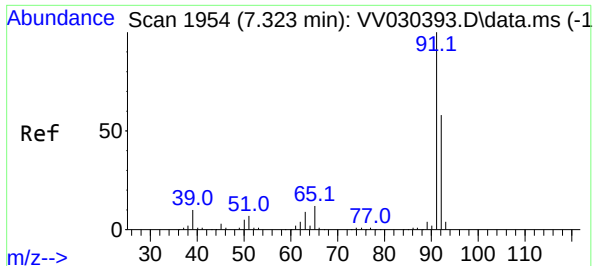
Tgt Ion: 95 Resp: 33867
Ion Ratio Lower Upper
95 100
97 67.3 44.2 82.2
132 103.7 69.5 129.1
130 107.5 72.2 134.0



#37
1,2-Dichloropropane
Concen: 0.912 ug/L
RT: 6.101 min Scan# 1574
Delta R.T. -0.000 min
Lab File: VV030396.D
Acq: 05 Apr 2023 13:19

Tgt Ion: 63 Resp: 11966
Ion Ratio Lower Upper
63 100
112 5.2 3.9 5.9





#42

Toluene

Concen: 0.175 ug/L

RT: 7.330 min Scan# 1954

Delta R.T. 0.006 min

Lab File: VV030396.D

Acq: 05 Apr 2023 13:19

Instrument :

MSVOA_V

ClientSampleId :

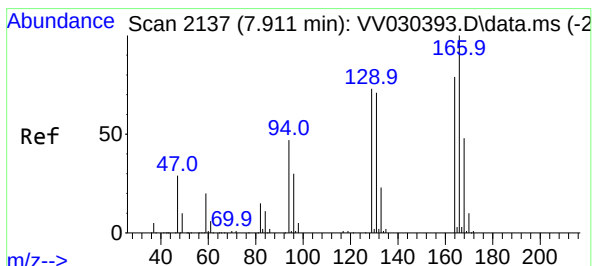
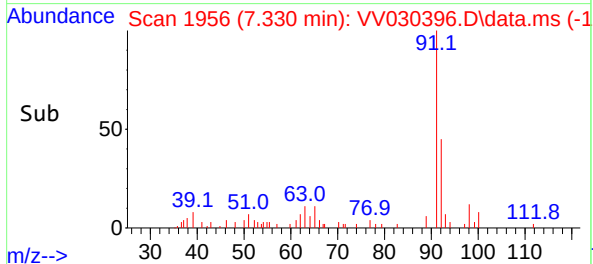
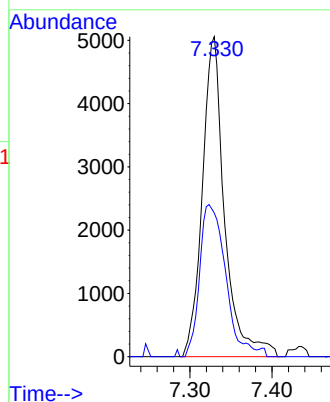
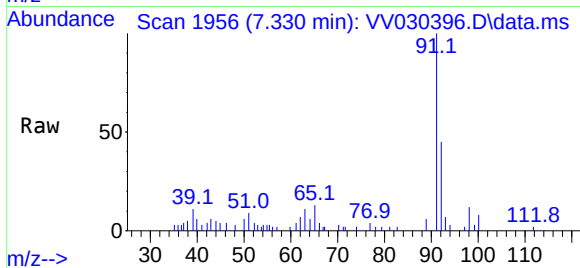
BHDT8

Tgt Ion: 91 Resp: 9525

Ion Ratio Lower Upper

91 100

92 44.9 40.4 75.0



#47

Tetrachloroethene

Concen: 49.597 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VV030396.D

Acq: 05 Apr 2023 13:19

Tgt Ion: 164 Resp: 603143

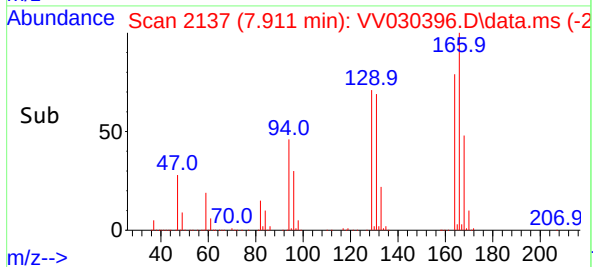
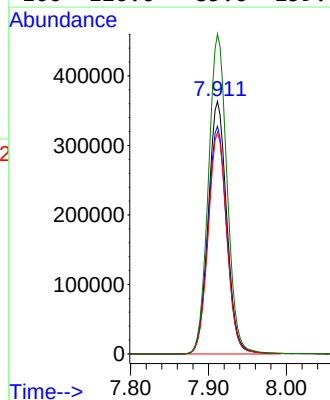
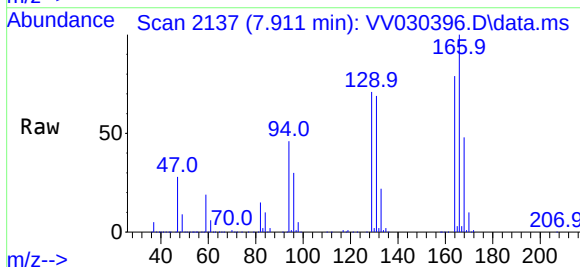
Ion Ratio Lower Upper

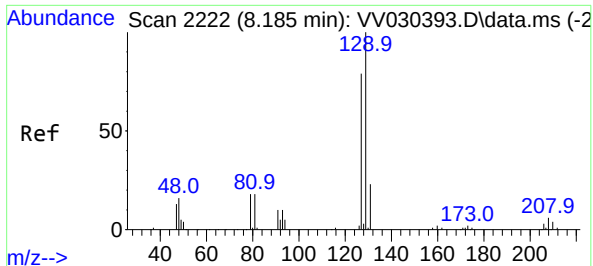
164 100

129 90.2 60.8 112.8

131 87.8 61.7 114.7

166 126.6 85.6 159.0





#49

Dibromochloromethane

Concen: 47.119 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.273 min

Lab File: VV030396.D

Acq: 05 Apr 2023 13:19

Instrument :

MSVOA_V

ClientSampleId :

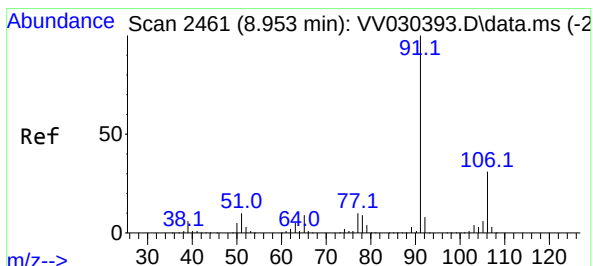
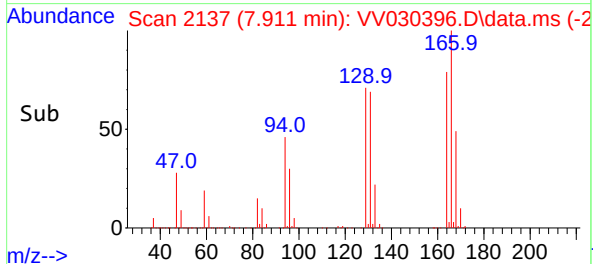
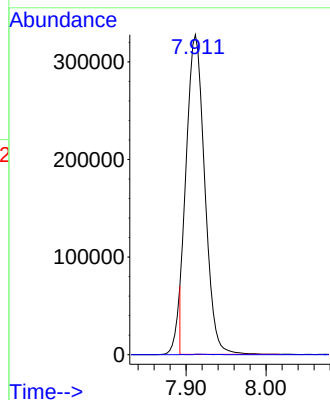
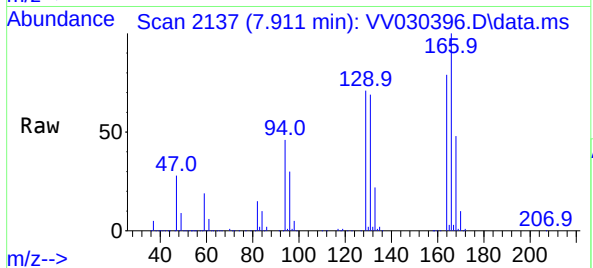
BHDT8

Tgt Ion:129 Resp: 517994

Ion Ratio Lower Upper

129 100

127 0.2 52.7 97.9#



#52

Ethylbenzene

Concen: 0.051 ug/L

RT: 8.956 min Scan# 2462

Delta R.T. 0.003 min

Lab File: VV030396.D

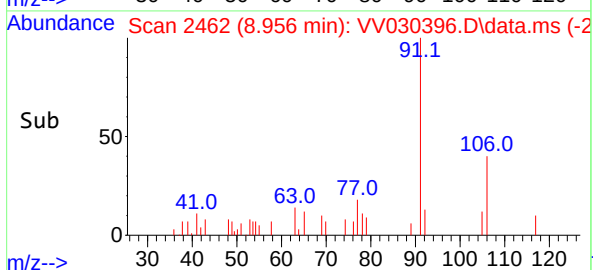
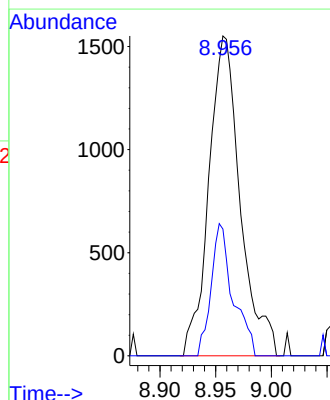
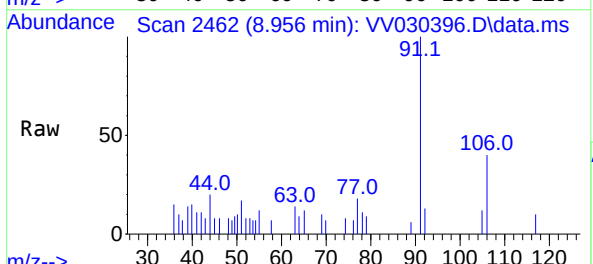
Acq: 05 Apr 2023 13:19

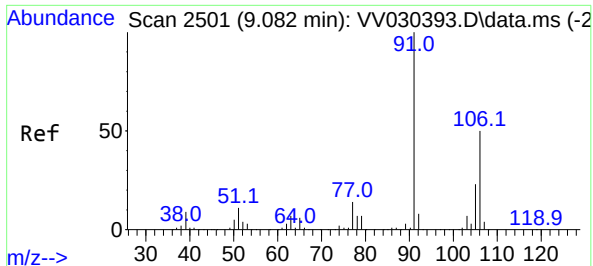
Tgt Ion: 91 Resp: 3038

Ion Ratio Lower Upper

91 100

106 39.7 22.2 41.2

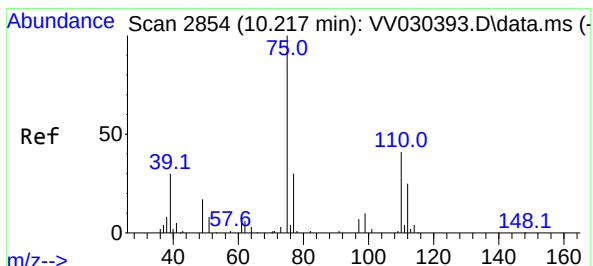
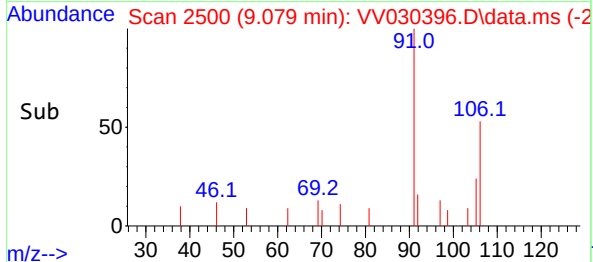
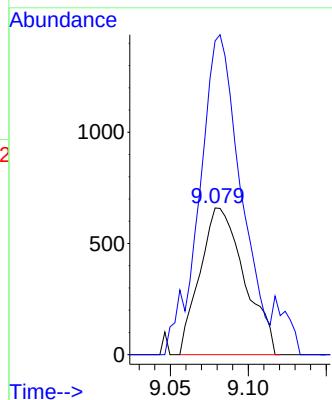
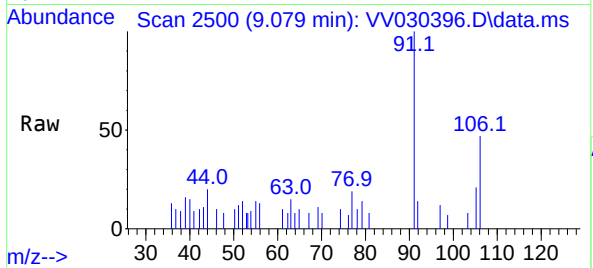




#53
m,p-Xylene
Concen: 0.057 ug/L
RT: 9.079 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030396.D
Acq: 05 Apr 2023 13:19

Instrument :
MSVOA_V
ClientSampleId :
BHDT8

Tgt Ion:106 Resp: 1309
Ion Ratio Lower Upper
106 100
91 213.8 142.4 264.4



#61
1,2,3-Trichloropropane
Concen: 3.413 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.971 min
Lab File: VV030396.D
Acq: 05 Apr 2023 13:19

Tgt Ion: 75 Resp: 28715
Ion Ratio Lower Upper
75 100
77 576.8 26.0 39.0#
110 4.0 31.6 47.4#

