

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042523\
 Data File : VU053891.D
 Acq On : 25 Apr 2023 18:03
 Operator : JC/MD
 Sample : 02433-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE53

Quant Time: Apr 26 05:14:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 26 05:09:52 2023
 Response via : Initial Calibration

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

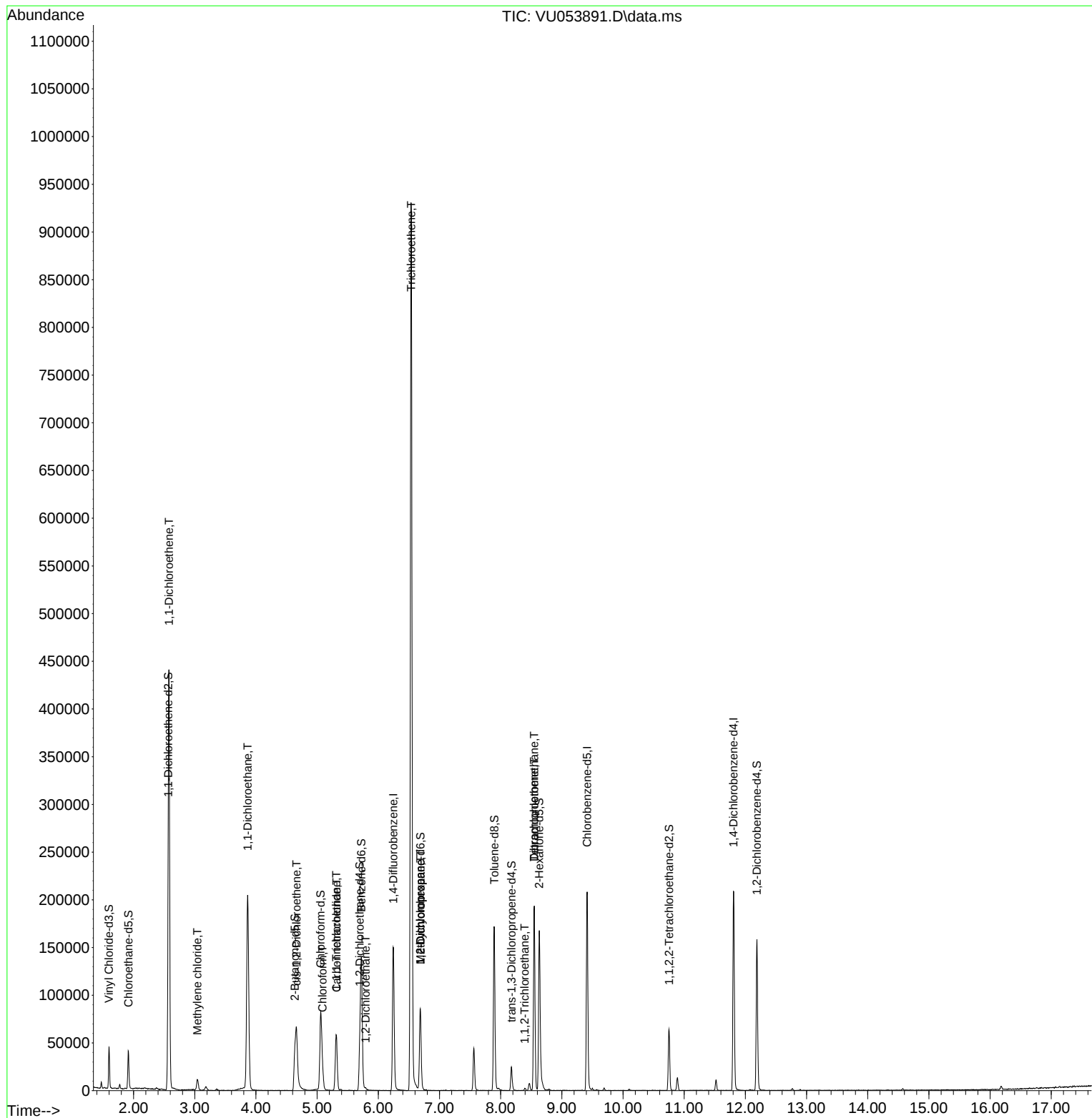
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	133329	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	124231	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	59590	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	32567	4.010	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.200%
7) Chloroethane-d5	1.916	69	30167	4.426	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.600%
11) 1,1-Dichloroethene-d2	2.565	65	14188	4.245	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.000%
20) 2-Butanone-d5	4.636	46	75179	50.543	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.080%
24) Chloroform-d	5.057	84	70248	4.590	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.697	65	33548	4.744	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	5.723	84	138880	4.745	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
36) 1,2-Dichloropropane-d6	6.687	67	42028	4.747	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.000%
41) Toluene-d8	7.896	98	122624	4.490	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.800%
43) trans-1,3-Dichloroprop...	8.176	79	15020	4.314	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.200%
46) 2-Hexanone-d5	8.629	63	62687	50.871	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.740%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	33410	4.670	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	44771	4.684	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.578	96	142311	16.970	ug/L #	83
16) Methylene chloride	3.041	84	5713	0.499	ug/L	96
19) 1,1-Dichloroethane	3.864	63	233790	15.244	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	23449	2.453	ug/L	94
25) Chloroform	5.086	83	19416	1.166	ug/L	94
27) 1,2-Dichloroethane	5.793	62	1371	0.144	ug/L #	81
29) 1,1,1-Trichloroethane	5.314	97	44174	3.163	ug/L	96
31) Carbon tetrachloride	5.318	117	5671	0.467	ug/L	95
34) Trichloroethene	6.536	95	316034	33.119	ug/L	99
35) Methylcyclohexane	6.687	83	10140	0.688	ug/L #	21
37) 1,2-Dichloropropane	6.687	63	4663	0.537	ug/L #	87
45) 1,1,2-Trichloroethane	8.395	97	772	0.119	ug/L	92
47) Tetrachloroethene	8.549	164	43846	5.797	ug/L	98
49) Dibromochloromethane	8.549	129	42100	6.106	ug/L #	10

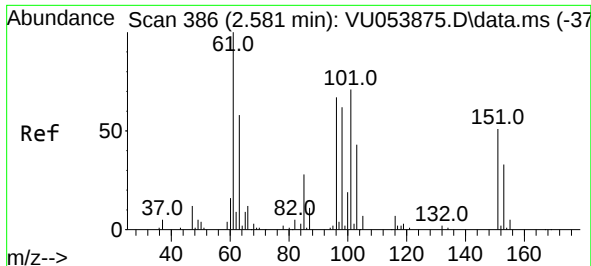
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 16.970 ug/L

RT: 2.578 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU053891.D

Acq: 25 Apr 2023 18:03

Instrument :

MSVOA_U

ClientSampleId :

BHE53

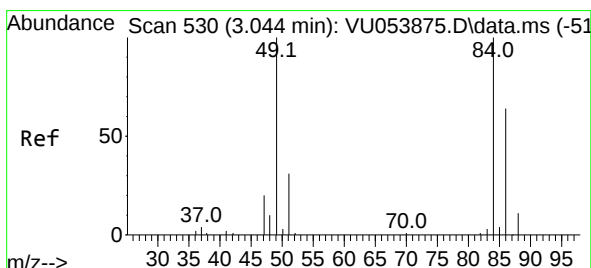
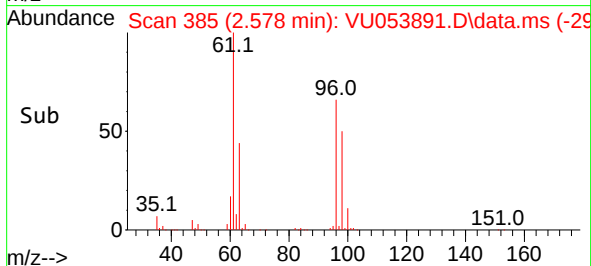
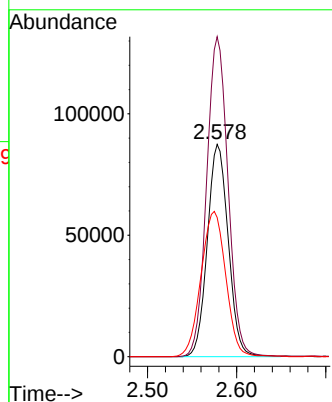
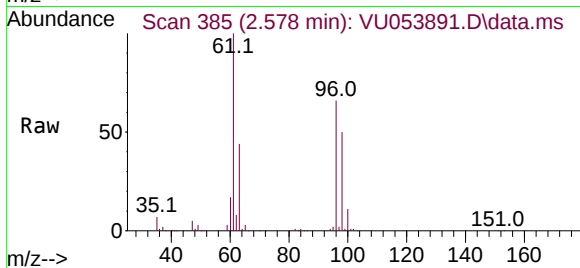
Tgt Ion: 96 Resp: 142311

Ion Ratio Lower Upper

96 100

61 150.7 111.5 207.1

63 65.6 68.7 127.7#



#16

Methylene chloride

Concen: 0.499 ug/L

RT: 3.041 min Scan# 529

Delta R.T. -0.003 min

Lab File: VU053891.D

Acq: 25 Apr 2023 18:03

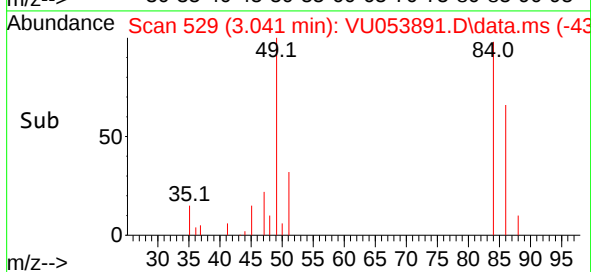
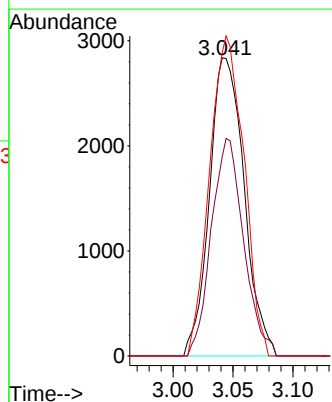
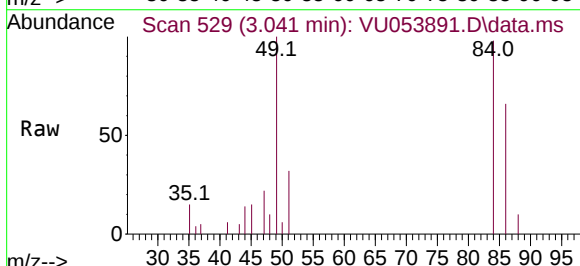
Tgt Ion: 84 Resp: 5713

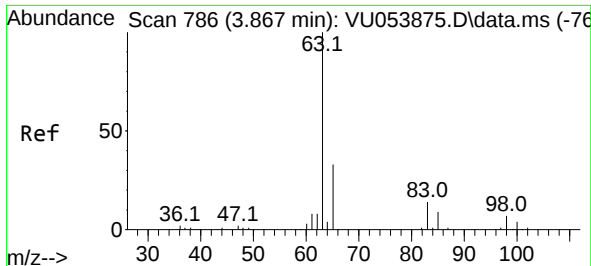
Ion Ratio Lower Upper

84 100

86 66.9 45.0 83.6

49 101.9 74.8 138.8

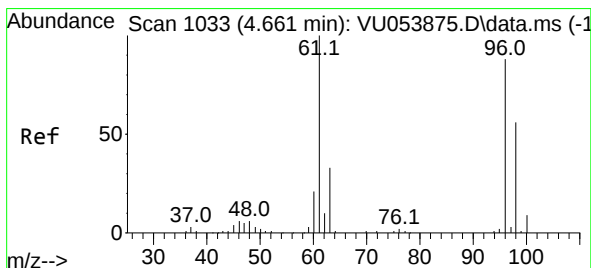
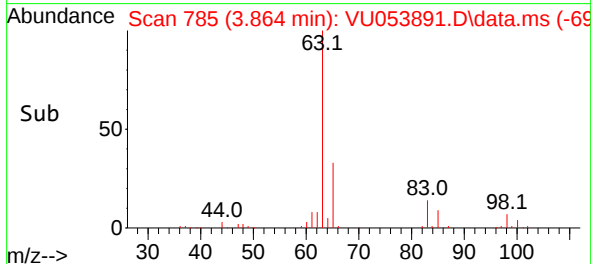
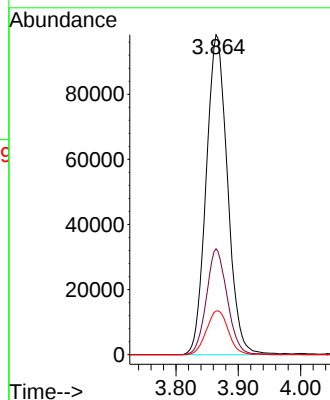
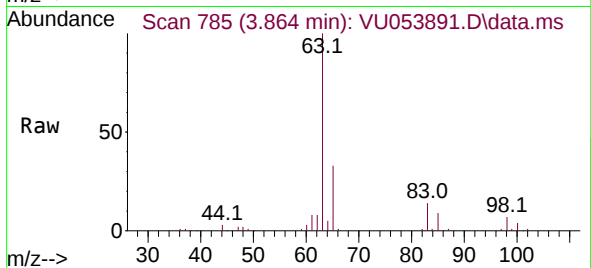




#19
1,1-Dichloroethane
Concen: 15.244 ug/L
RT: 3.864 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU053891.D
Acq: 25 Apr 2023 18:03

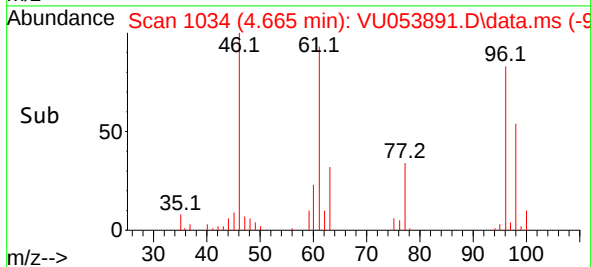
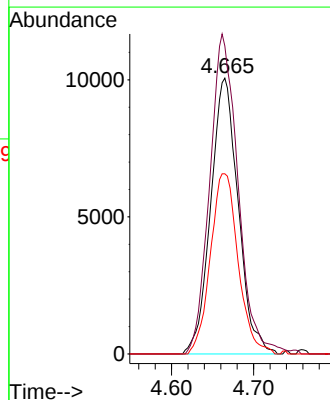
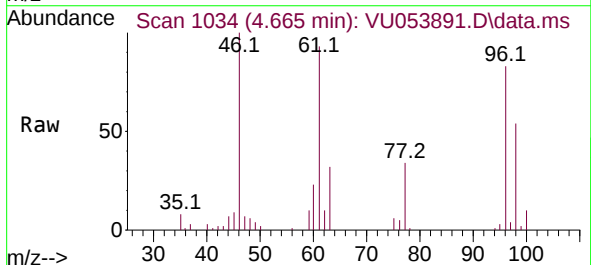
Instrument :
MSVOA_U
ClientSampleId :
BHE53

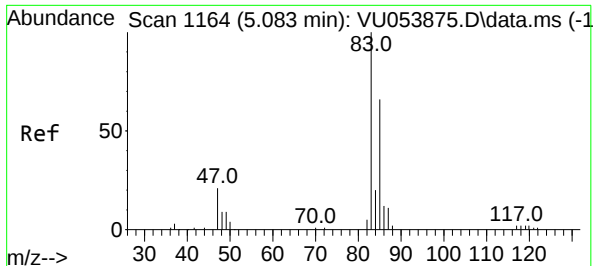
Tgt Ion: 63 Resp: 233790
Ion Ratio Lower Upper
63 100
65 33.1 22.0 40.8
83 13.6 10.3 19.1



#22
cis-1,2-Dichloroethene
Concen: 2.453 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.003 min
Lab File: VU053891.D
Acq: 25 Apr 2023 18:03

Tgt Ion: 96 Resp: 23449
Ion Ratio Lower Upper
96 100
61 111.7 84.3 156.5
98 65.3 46.4 86.2





#25

Chloroform

Concen: 1.166 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU053891.D

Acq: 25 Apr 2023 18:03

Instrument :

MSVOA_U

ClientSampleId :

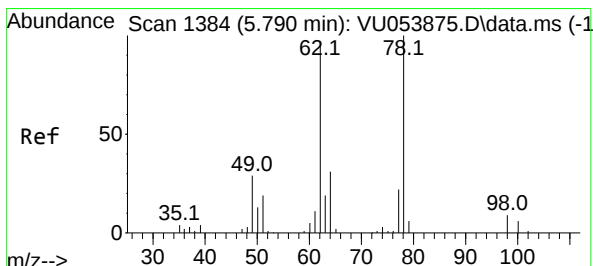
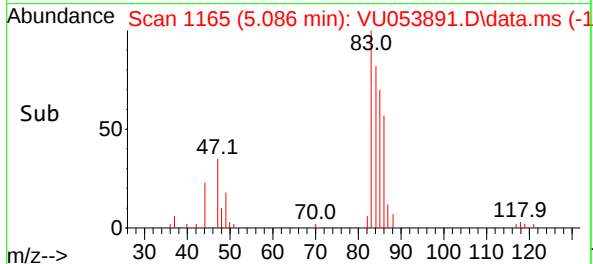
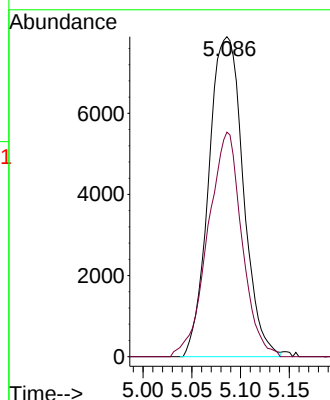
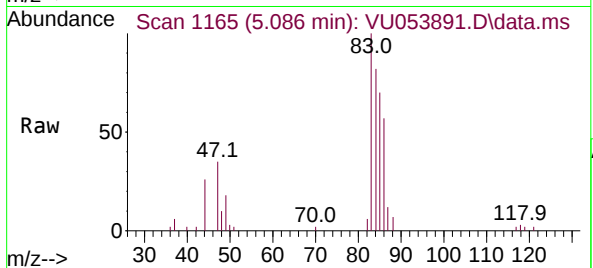
BHE53

Tgt Ion: 83 Resp: 19416

Ion Ratio Lower Upper

83 100

85 70.2 45.6 84.8



#27

1,2-Dichloroethane

Concen: 0.144 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU053891.D

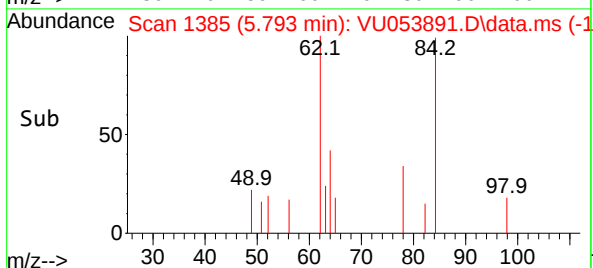
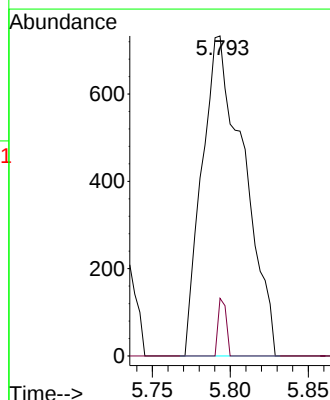
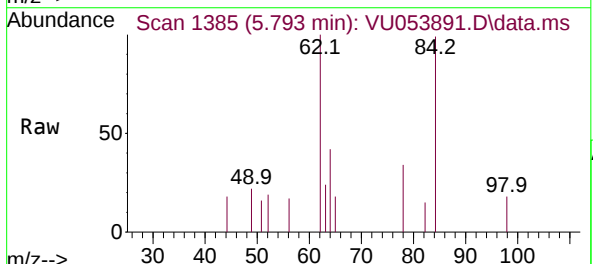
Acq: 25 Apr 2023 18:03

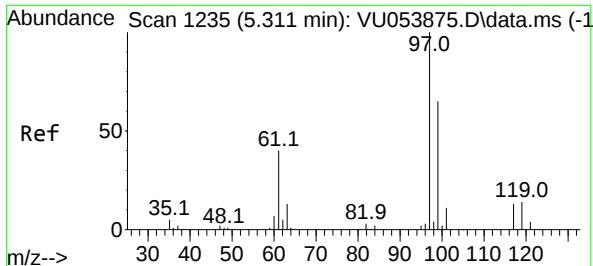
Tgt Ion: 62 Resp: 1371

Ion Ratio Lower Upper

62 100

98 18.0 8.7 13.1#





#29

1,1,1-Trichloroethane

Concen: 3.163 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053891.D

Acq: 25 Apr 2023 18:03

Instrument :

MSVOA_U

ClientSampleId :

BHE53

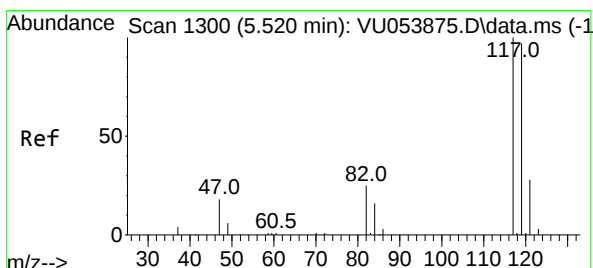
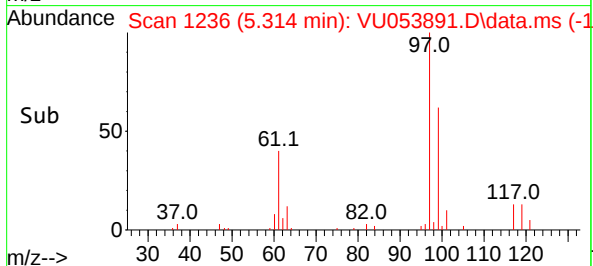
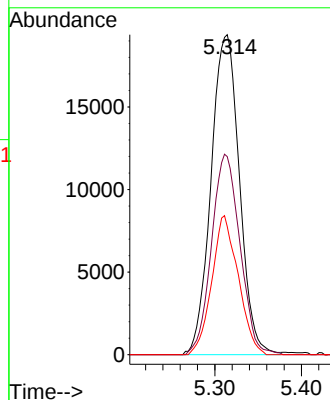
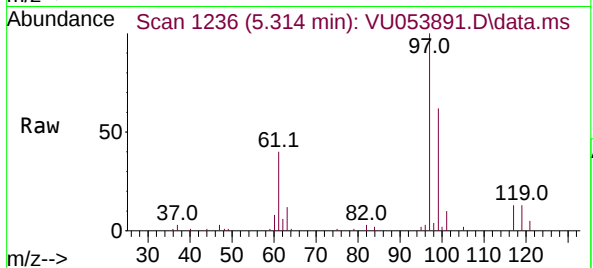
Tgt Ion: 97 Resp: 44174

Ion Ratio Lower Upper

97 100

99 62.7 52.9 79.3

61 40.4 33.8 50.8



#31

Carbon tetrachloride

Concen: 0.467 ug/L

RT: 5.318 min Scan# 1237

Delta R.T. -0.202 min

Lab File: VU053891.D

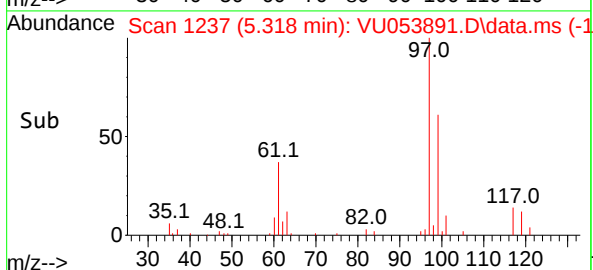
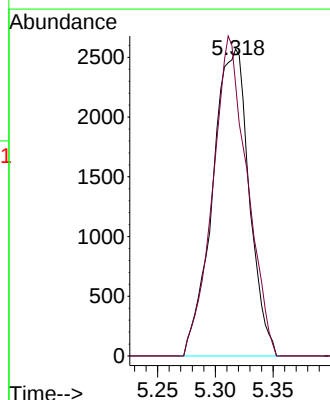
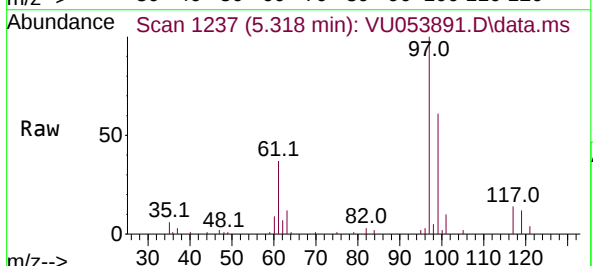
Acq: 25 Apr 2023 18:03

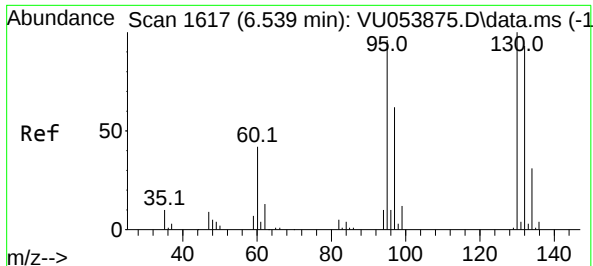
Tgt Ion: 117 Resp: 5671

Ion Ratio Lower Upper

117 100

119 98.4 75.0 112.6

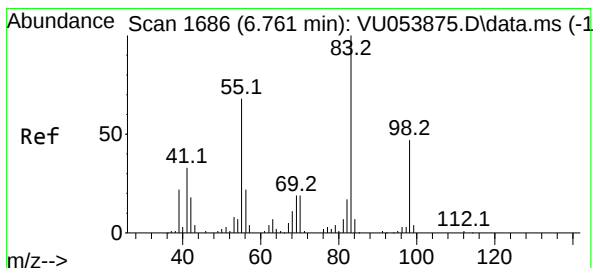
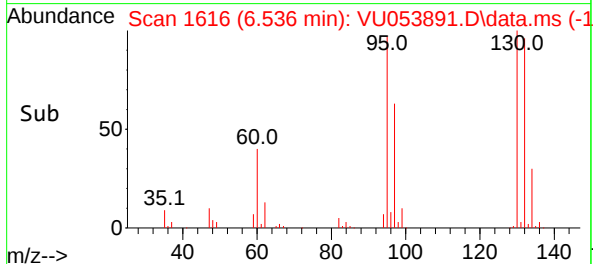
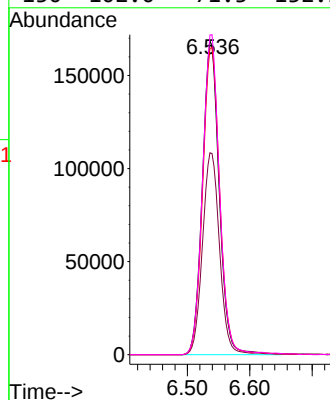
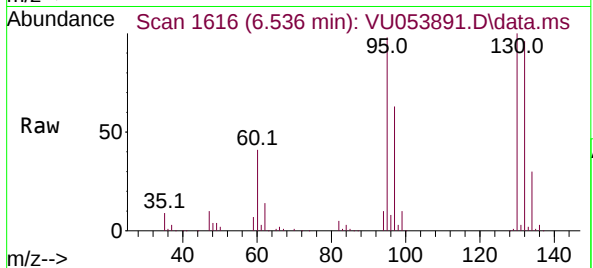




#34
Trichloroethene
Concen: 33.119 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053891.D
Acq: 25 Apr 2023 18:03

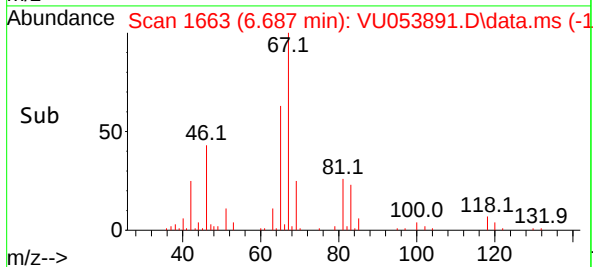
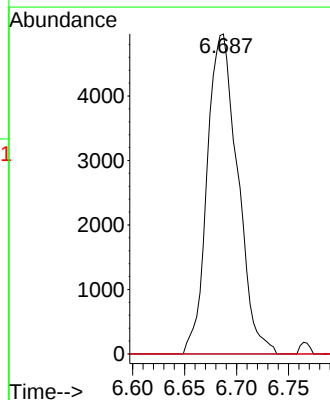
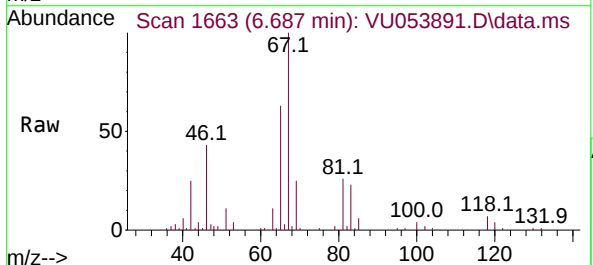
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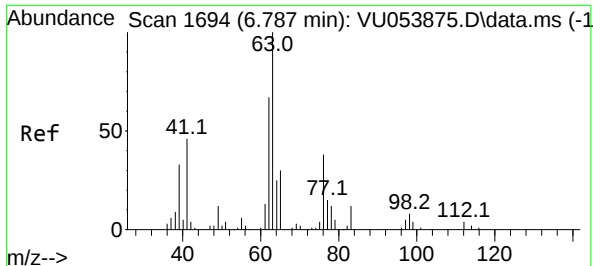
Tgt Ion: 95 Resp: 316034
Ion Ratio Lower Upper
95 100
97 64.5 45.1 83.9
132 97.8 69.9 129.9
130 102.0 71.3 132.3



#35
Methylcyclohexane
Concen: 0.688 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU053891.D
Acq: 25 Apr 2023 18:03

Tgt Ion: 83 Resp: 10140
Ion Ratio Lower Upper
83 100
55 0.0 55.4 83.2#
98 0.0 37.3 55.9#





#37

1,2-Dichloropropane

Concen: 0.537 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.099 min

Lab File: VU053891.D

Acq: 25 Apr 2023 18:03

Instrument :

MSVOA_U

ClientSampleId :

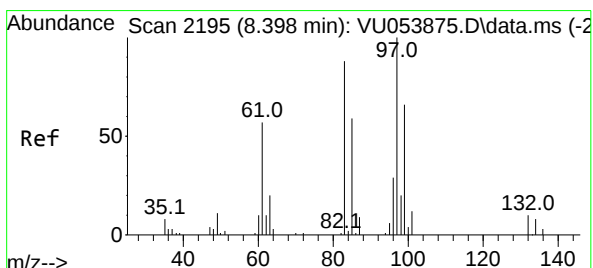
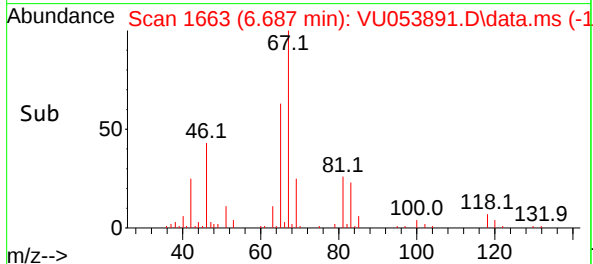
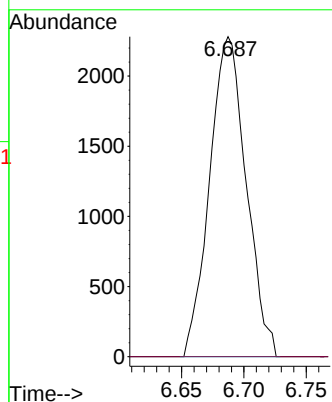
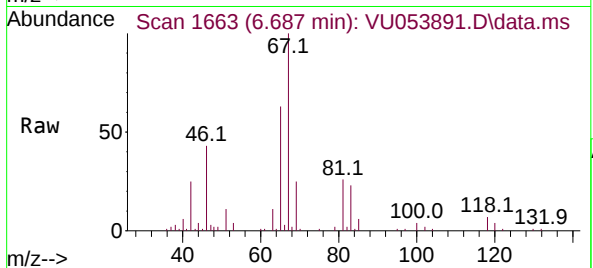
BHE53

Tgt Ion: 63 Resp: 4663

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#45

1,1,2-Trichloroethane

Concen: 0.119 ug/L

RT: 8.395 min Scan# 2194

Delta R.T. -0.003 min

Lab File: VU053891.D

Acq: 25 Apr 2023 18:03

Tgt Ion: 97 Resp: 772

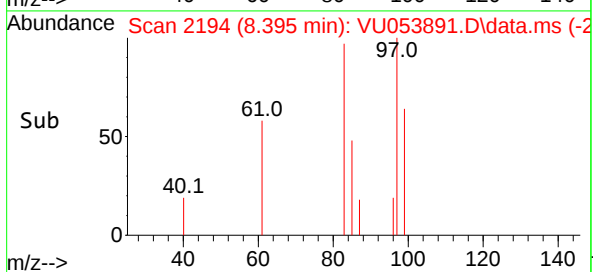
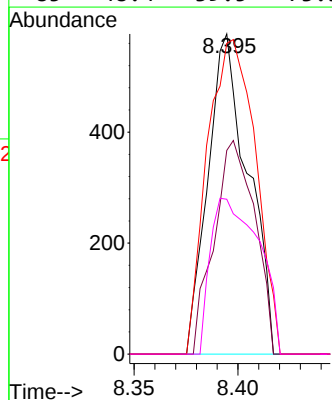
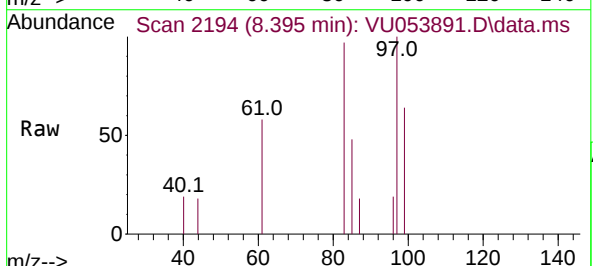
Ion Ratio Lower Upper

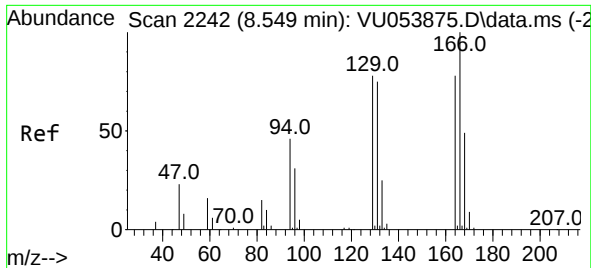
97 100

99 63.6 44.7 83.1

83 97.1 59.8 111.1

85 48.4 39.5 73.3



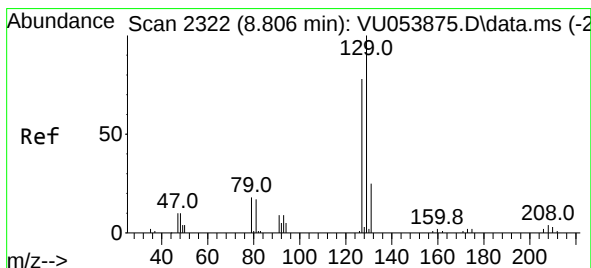
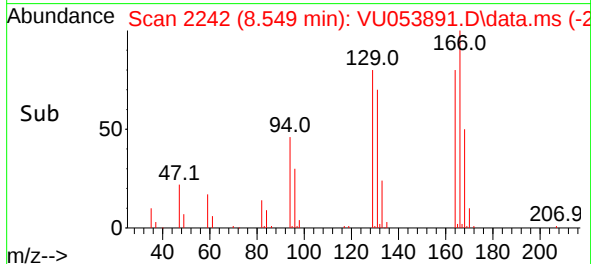
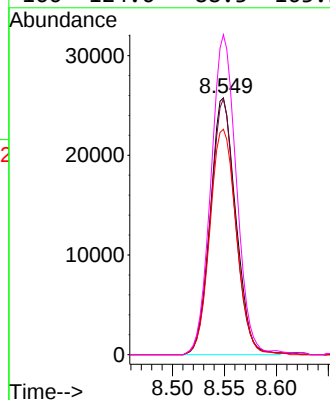
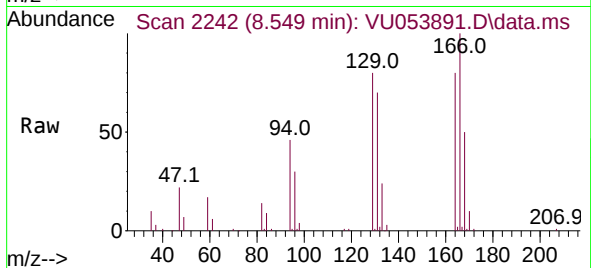


#47
Tetrachloroethene
Concen: 5.797 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053891.D
Acq: 25 Apr 2023 18:03

Instrument :
MSVOA_U
ClientSampleId :
BHE53

Tgt Ion:164 Resp: 43846

Ion	Ratio	Lower	Upper
164	100		
129	99.6	68.3	126.8
131	87.8	64.4	119.6
166	124.6	88.3	163.9



#49
Dibromochloromethane
Concen: 6.106 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.257 min
Lab File: VU053891.D
Acq: 25 Apr 2023 18:03

Tgt Ion:129 Resp: 42100

Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.7	103.5#

