

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042523\
 Data File : VU053881.D
 Acq On : 25 Apr 2023 14:01
 Operator : JC/MD
 Sample : 02392-05 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE26

Quant Time: Apr 26 05:11:47 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)

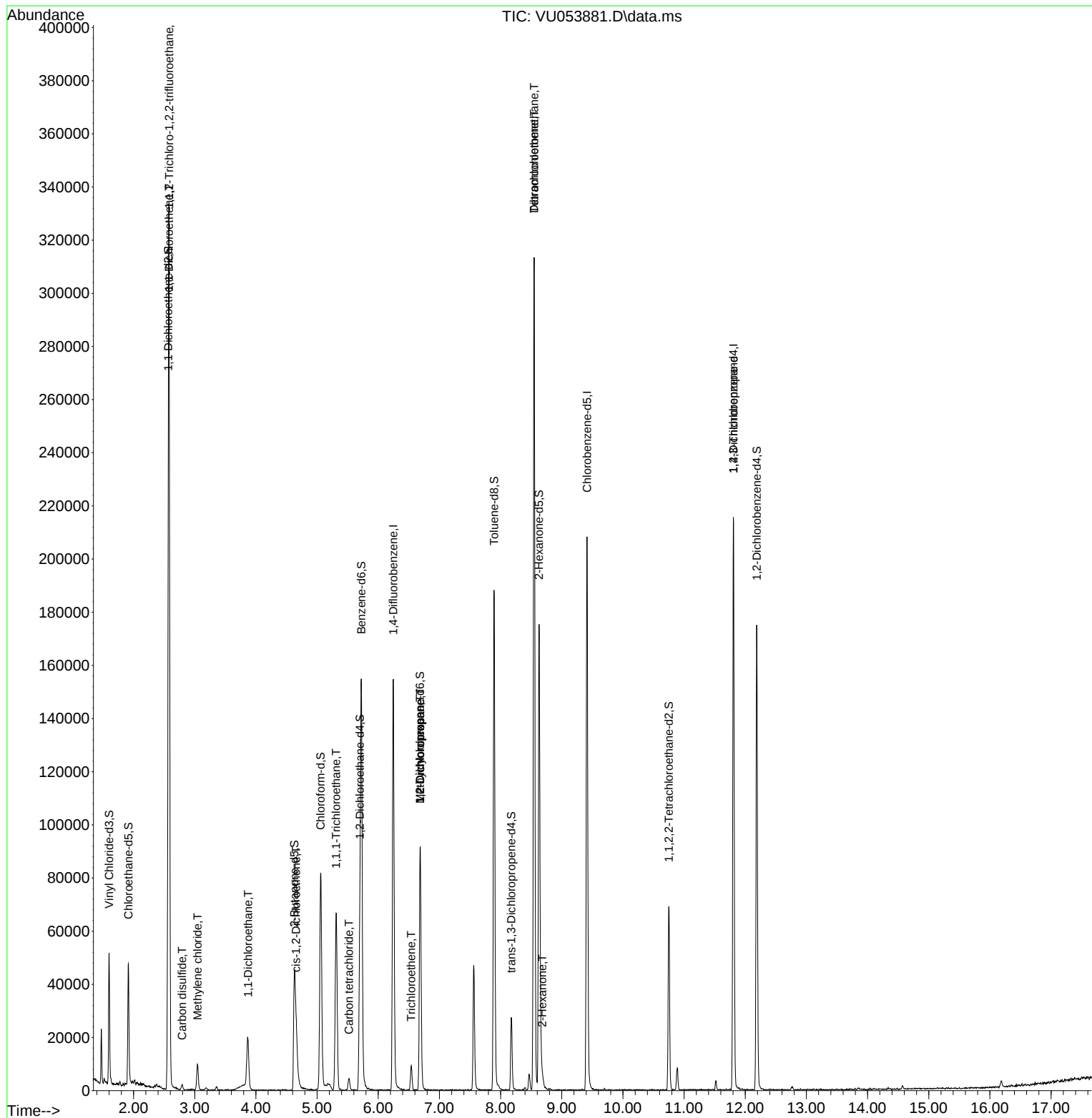
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	135156	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	126419	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	61292	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	37794	4.591	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.800%
7) Chloroethane-d5	1.916	69	33105	4.791	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.800%
11) 1,1-Dichloroethene-d2	2.568	65	16465	4.860	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.200%
20) 2-Butanone-d5	4.629	46	76918	51.013	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.020%
24) Chloroform-d	5.057	84	75820	4.888	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	5.700	65	36905	5.148	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.000%
32) Benzene-d6	5.723	84	152564	5.123	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.400%
36) 1,2-Dichloropropane-d6	6.684	67	47714	5.296	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.000%
41) Toluene-d8	7.893	98	134234	4.830	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
43) trans-1,3-Dichloroprop...	8.176	79	17459	4.927	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.600%
46) 2-Hexanone-d5	8.629	63	64220	51.213	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.420%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	35283	4.846	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	48131	4.896	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.000%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	10079	1.046	ug/L	94
12) 1,1-Dichloroethene	2.578	96	95100	11.187	ug/L	91
14) Carbon disulfide	2.793	76	2807	0.120	ug/L	97
16) Methylene chloride	3.044	84	5287	0.456	ug/L	86
19) 1,1-Dichloroethane	3.874	63	21515	1.384	ug/L	96
22) cis-1,2-Dichloroethene	4.658	96	4502	0.465	ug/L	94
29) 1,1,1-Trichloroethane	5.311	97	49238	3.465	ug/L	99
31) Carbon tetrachloride	5.520	117	3098	0.251	ug/L	97
34) Trichloroethene	6.539	95	3340	0.344	ug/L	87
35) Methylcyclohexane	6.684	83	10674	0.712	ug/L #	22
37) 1,2-Dichloropropane	6.687	63	5000	0.566	ug/L #	87
47) Tetrachloroethene	8.549	164	68605	8.914	ug/L	95
48) 2-Hexanone	8.684	43	1953	0.644	ug/L #	71
49) Dibromochloromethane	8.549	129	65512	9.337	ug/L #	10
61) 1,2,3-Trichloropropane	11.806	75	6667	1.411	ug/L #	66

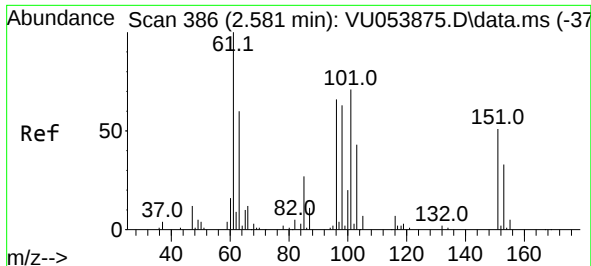
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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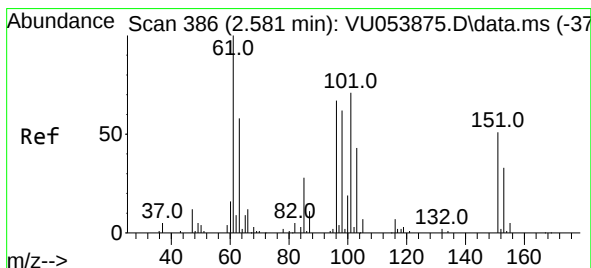
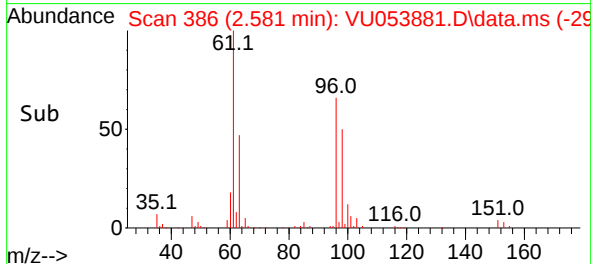
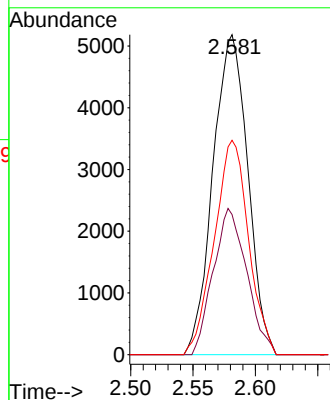
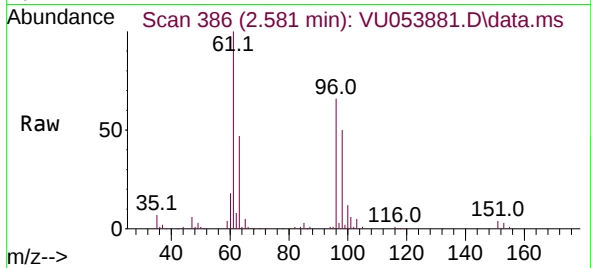




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.046 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU053881.D
Acq: 25 Apr 2023 14:01

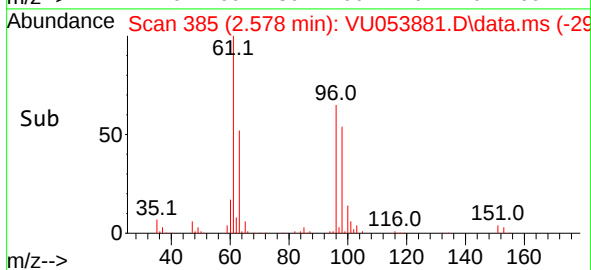
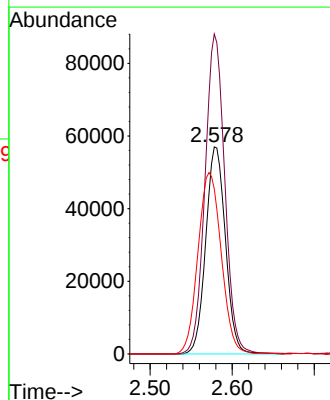
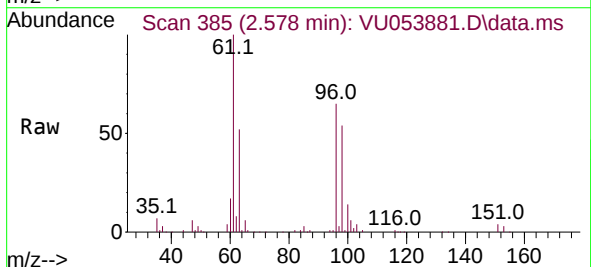
Instrument :
MSVOA_U
ClientSampleId :
BHE26

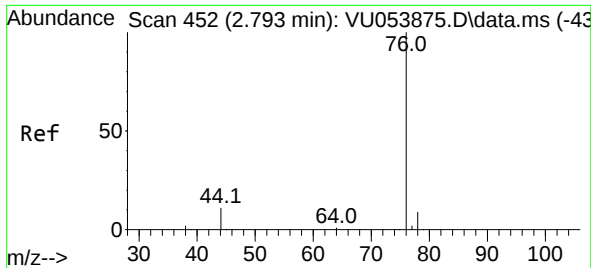
Tgt Ion:101 Resp: 10079
Ion Ratio Lower Upper
101 100
85 44.0 34.7 52.1
151 66.1 59.1 88.7



#12
1,1-Dichloroethene
Concen: 11.187 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053881.D
Acq: 25 Apr 2023 14:01

Tgt Ion: 96 Resp: 95100
Ion Ratio Lower Upper
96 100
61 154.6 111.5 207.1
63 79.8 68.7 127.7

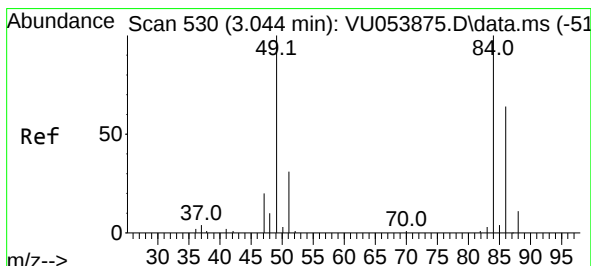
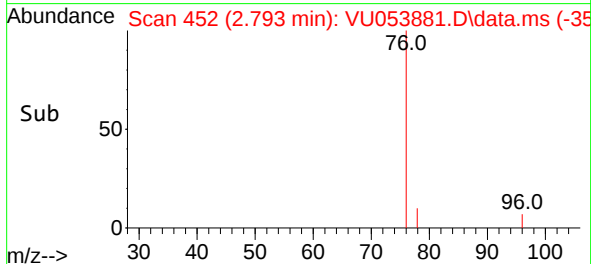
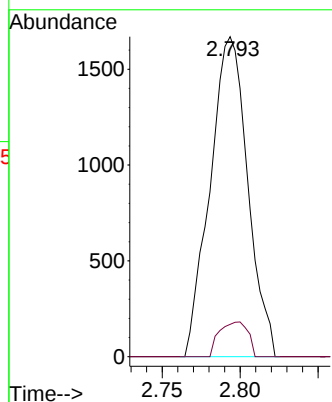
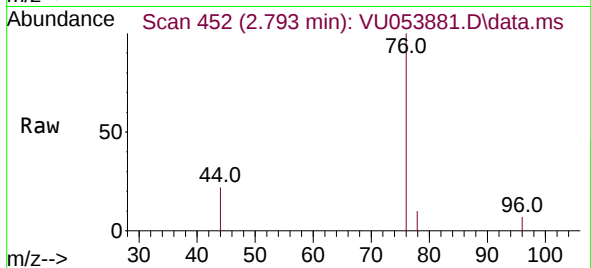




#14
Carbon disulfide
Concen: 0.120 ug/L
RT: 2.793 min Scan# 41
Delta R.T. 0.000 min
Lab File: VU053881.D
Acq: 25 Apr 2023 14:01

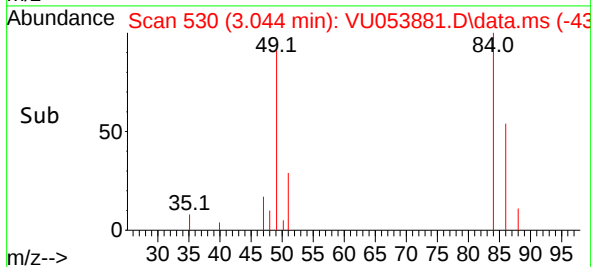
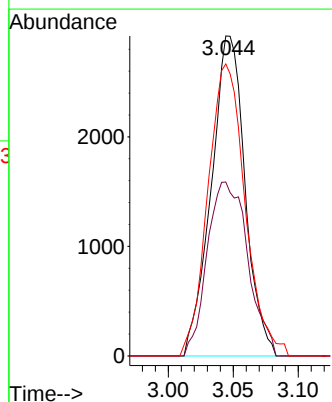
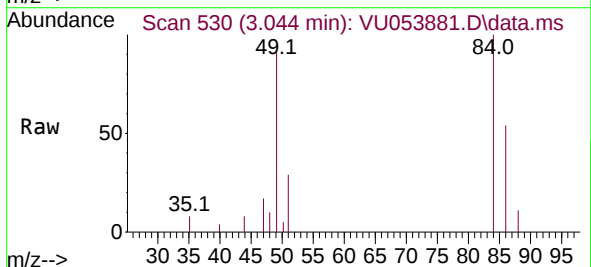
Instrument :
MSVOA_U
ClientSampleId :
BHE26

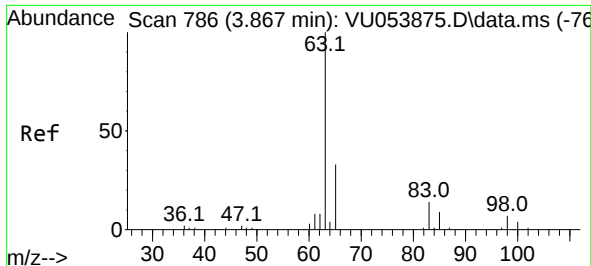
Tgt Ion: 76 Resp: 2807
Ion Ratio Lower Upper
76 100
78 10.1 7.3 10.9



#16
Methylene chloride
Concen: 0.456 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053881.D
Acq: 25 Apr 2023 14:01

Tgt Ion: 84 Resp: 5287
Ion Ratio Lower Upper
84 100
86 54.4 45.0 83.6
49 91.3 74.8 138.8





#19

1,1-Dichloroethane

Concen: 1.384 ug/L

RT: 3.874 min Scan# 71

Delta R.T. 0.007 min

Lab File: VU053881.D

Acq: 25 Apr 2023 14:01

Instrument :

MSVOA_U

ClientSampleId :

BHE26

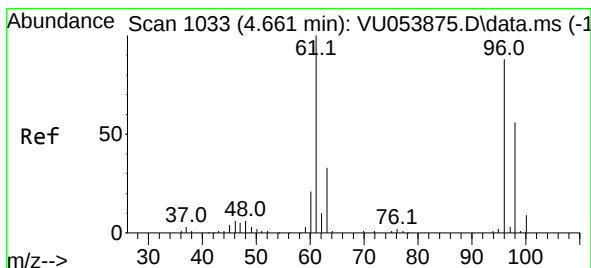
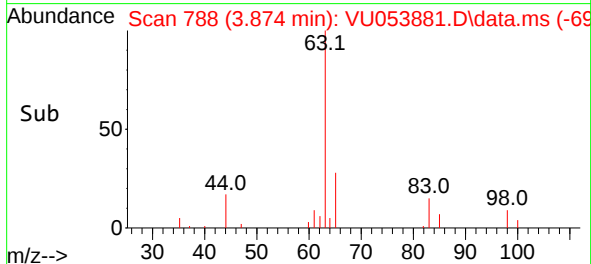
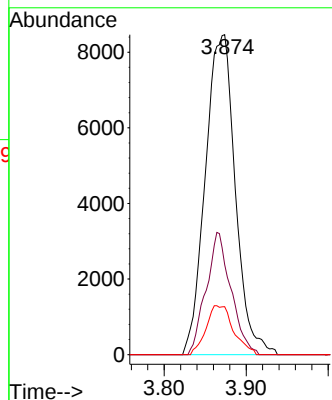
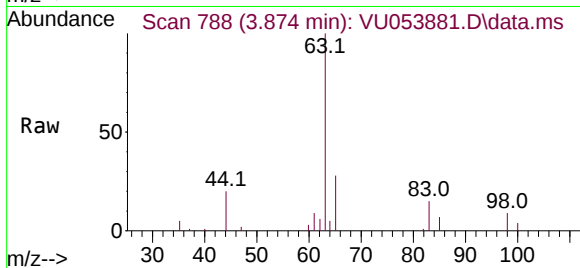
Tgt Ion: 63 Resp: 21515

Ion Ratio Lower Upper

63 100

65 28.2 22.0 40.8

83 15.0 10.3 19.1



#22

cis-1,2-Dichloroethene

Concen: 0.465 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU053881.D

Acq: 25 Apr 2023 14:01

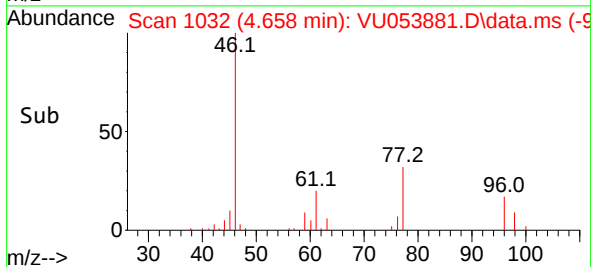
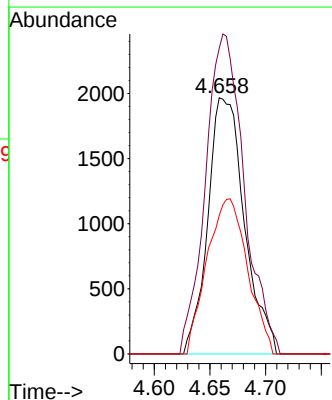
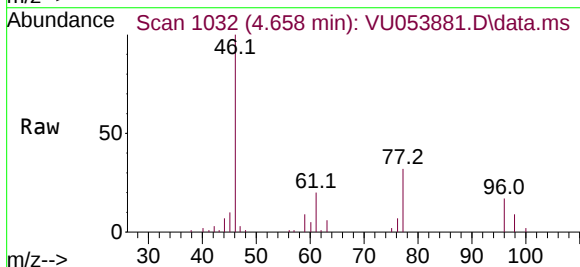
Tgt Ion: 96 Resp: 4502

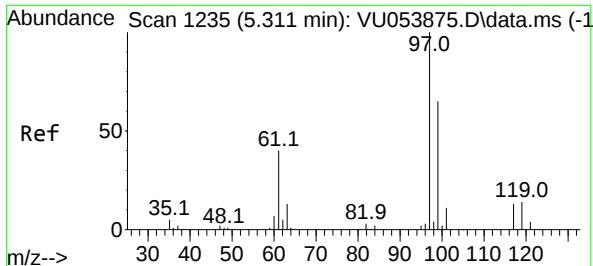
Ion Ratio Lower Upper

96 100

61 119.3 84.3 156.5

98 54.1 46.4 86.2

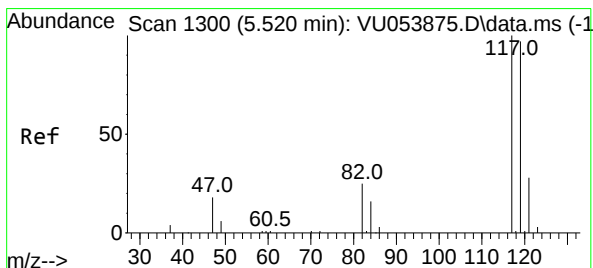
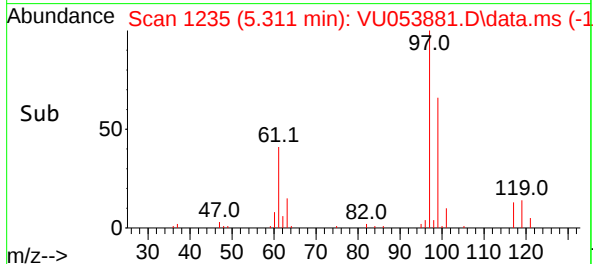
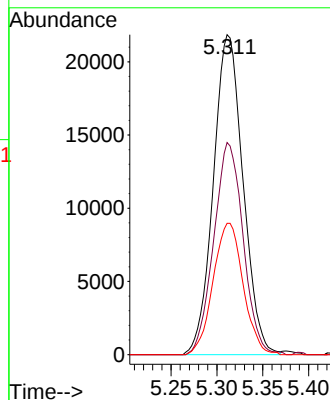
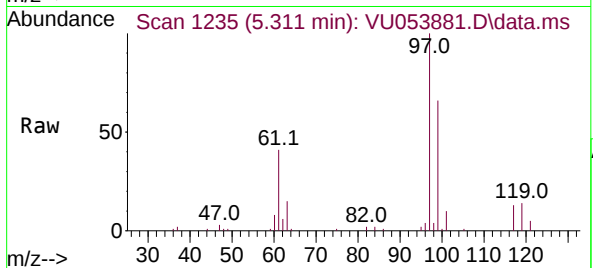




#29
1,1,1-Trichloroethane
Concen: 3.465 ug/L
RT: 5.311 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053881.D
Acq: 25 Apr 2023 14:01

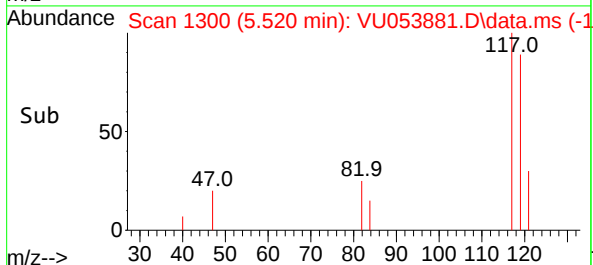
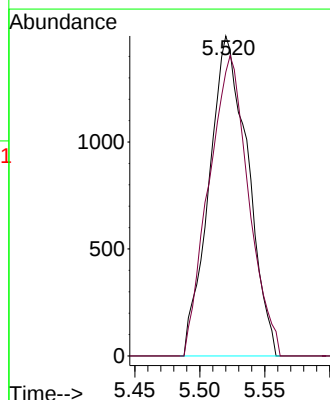
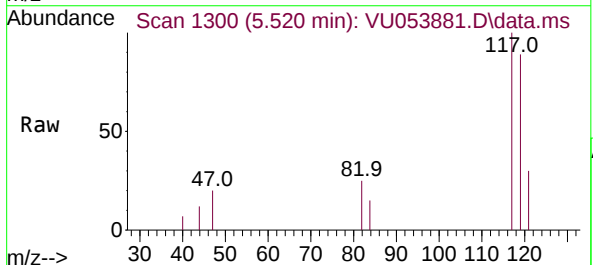
Instrument :
MSVOA_U
ClientSampleId :
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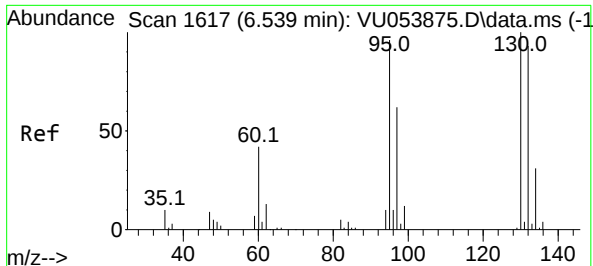
Tgt Ion: 97 Resp: 49238
Ion Ratio Lower Upper
97 100
99 65.6 52.9 79.3
61 41.6 33.8 50.8



#31
Carbon tetrachloride
Concen: 0.251 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU053881.D
Acq: 25 Apr 2023 14:01

Tgt Ion: 117 Resp: 3098
Ion Ratio Lower Upper
117 100
119 96.4 75.0 112.6



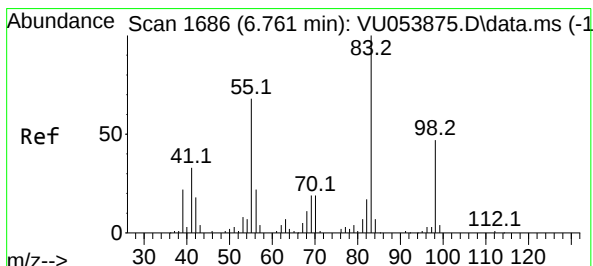
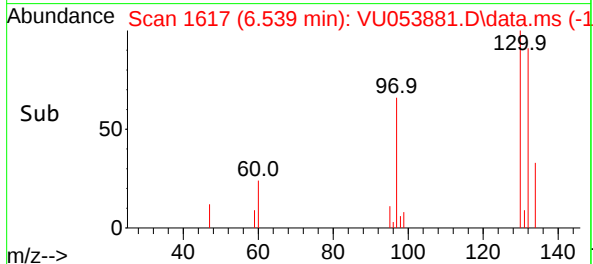
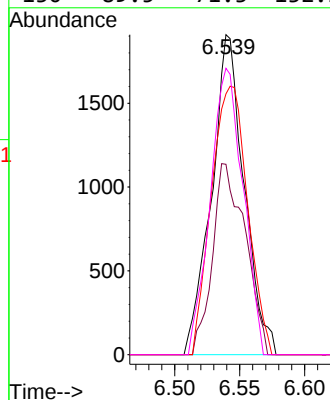
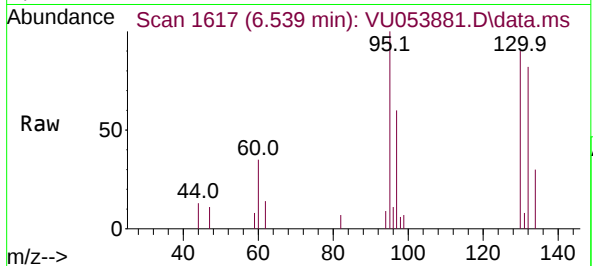


#34
 Trichloroethene
 Concen: 0.344 ug/L
 RT: 6.539 min Scan# 1617
 Delta R.T. 0.000 min
 Lab File: VU053881.D
 Acq: 25 Apr 2023 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE26

Tgt Ion: 95 Resp: 3340

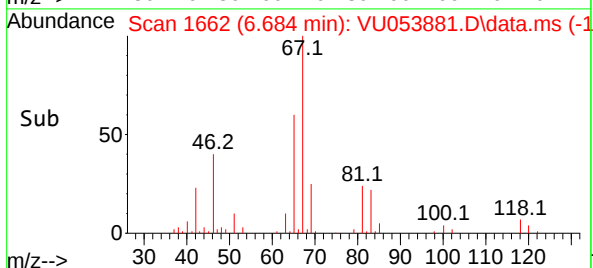
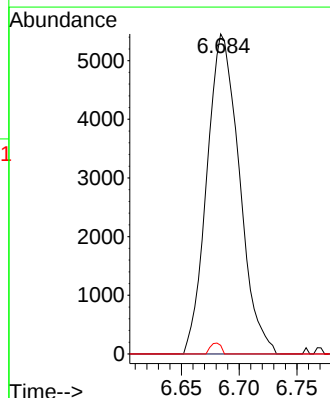
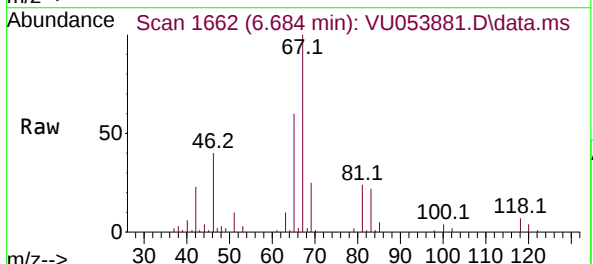
Ion	Ratio	Lower	Upper
95	100		
97	59.5	45.1	83.9
132	81.5	69.9	129.9
130	89.5	71.3	132.3

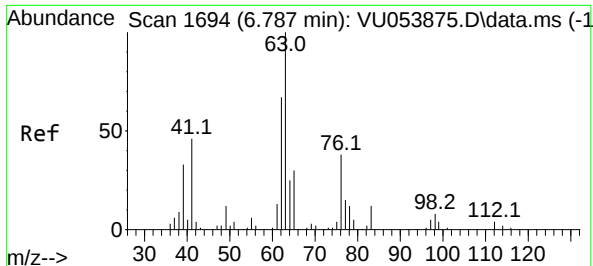


#35
 Methylcyclohexane
 Concen: 0.712 ug/L
 RT: 6.684 min Scan# 1662
 Delta R.T. -0.077 min
 Lab File: VU053881.D
 Acq: 25 Apr 2023 14:01

Tgt Ion: 83 Resp: 10674

Ion	Ratio	Lower	Upper
83	100		
55	0.0	55.4	83.2#
98	1.1	37.3	55.9#

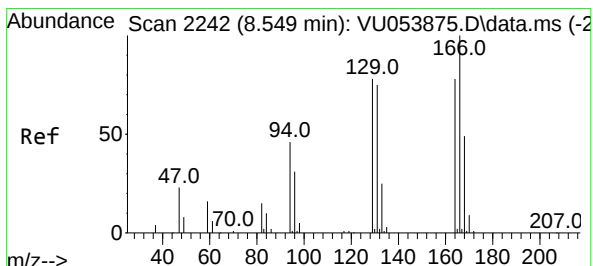
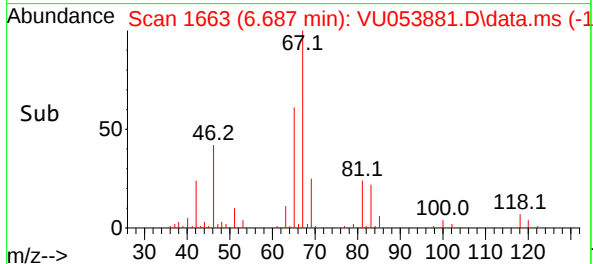
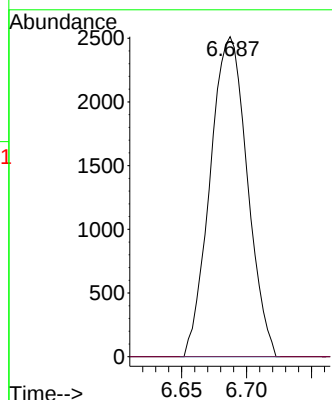
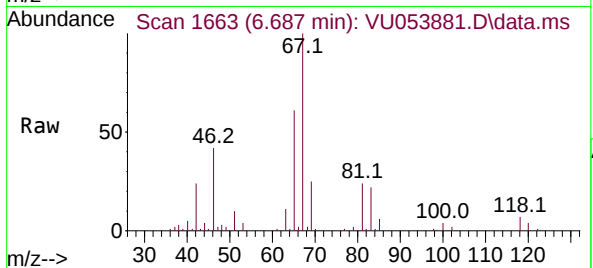




#37
1,2-Dichloropropane
Concen: 0.566 ug/L
RT: 6.687 min Scan# 1
Delta R.T. -0.099 min
Lab File: VU053881.D
Acq: 25 Apr 2023 14:01

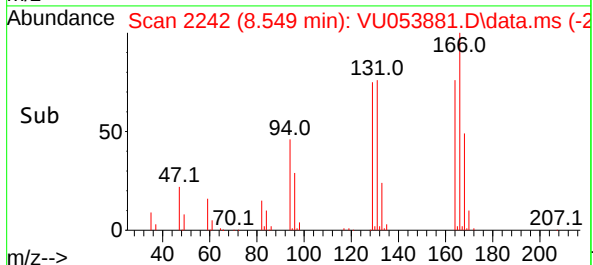
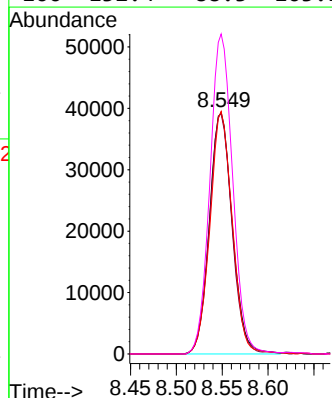
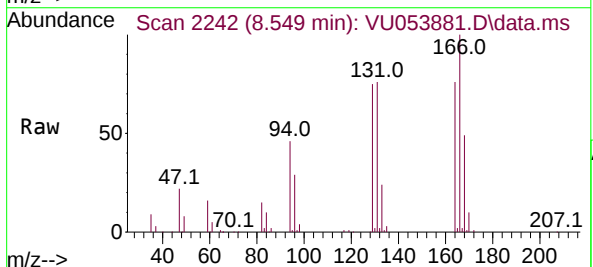
Instrument :
MSVOA_U
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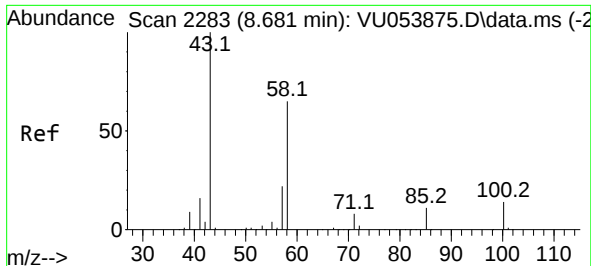
Tgt Ion: 63 Resp: 5000
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



#47
Tetrachloroethene
Concen: 8.914 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053881.D
Acq: 25 Apr 2023 14:01

Tgt Ion: 164 Resp: 68605
Ion Ratio Lower Upper
164 100
129 99.3 68.3 126.8
131 100.3 64.4 119.6
166 132.4 88.3 163.9

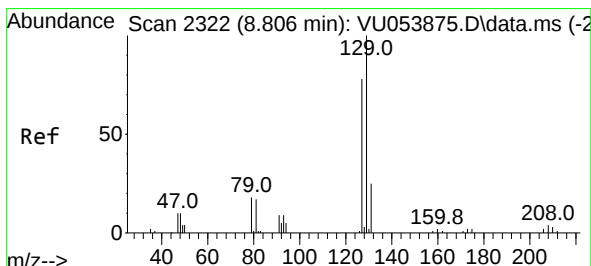
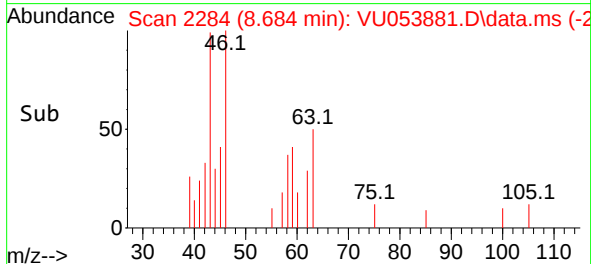
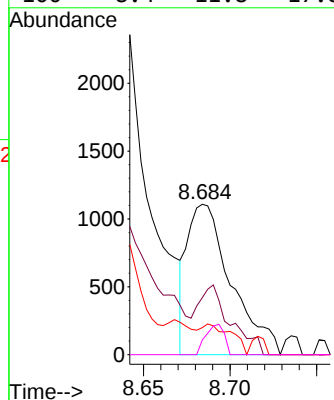
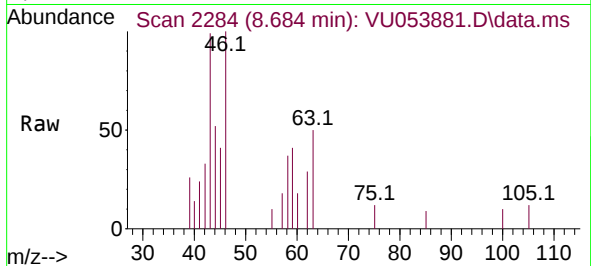




#48
2-Hexanone
Concen: 0.644 ug/L
RT: 8.684 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU053881.D
Acq: 25 Apr 2023 14:01

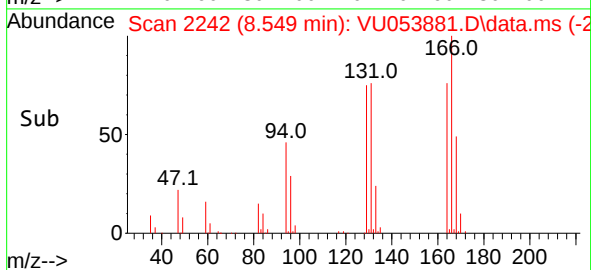
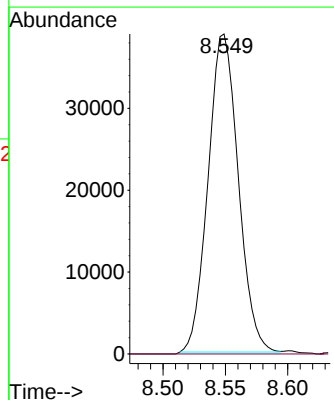
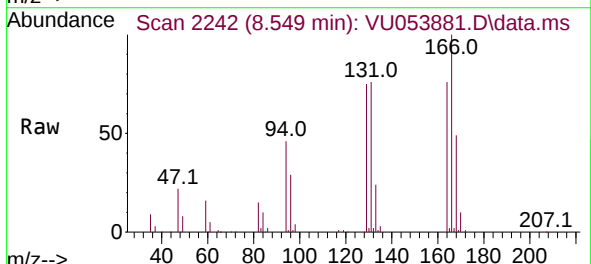
Instrument :
MSVOA_U
ClientSampleId :
BHE26

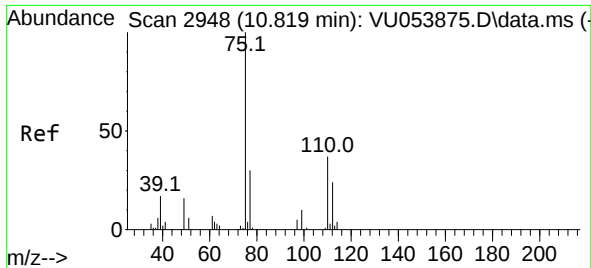
Tgt Ion: 43	Resp:	1953
Ion	Ratio	Lower Upper
43	100	
58	33.7	49.8 74.6#
57	13.9	16.9 25.3#
100	8.4	11.8 17.8#



#49
Dibromochloromethane
Concen: 9.337 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.257 min
Lab File: VU053881.D
Acq: 25 Apr 2023 14:01

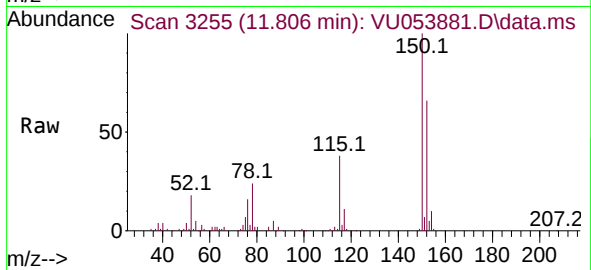
Tgt Ion: 129	Resp:	65512
Ion	Ratio	Lower Upper
129	100	
127	0.0	55.7 103.5#





#61
 1,2,3-Trichloropropane
 Concen: 1.411 ug/L
 RT: 11.806 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU053881.D
 Acq: 25 Apr 2023 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE26



Tgt Ion: 75 Resp: 6667
 Ion Ratio Lower Upper
 75 100
 110 1.8 30.7 46.1#
 77 34.0 26.2 39.4

