

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042523\
 Data File : VU053889.D
 Acq On : 25 Apr 2023 17:14
 Operator : JC/MD
 Sample : 02392-16DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE36DL

Quant Time: Apr 26 05:13:54 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)

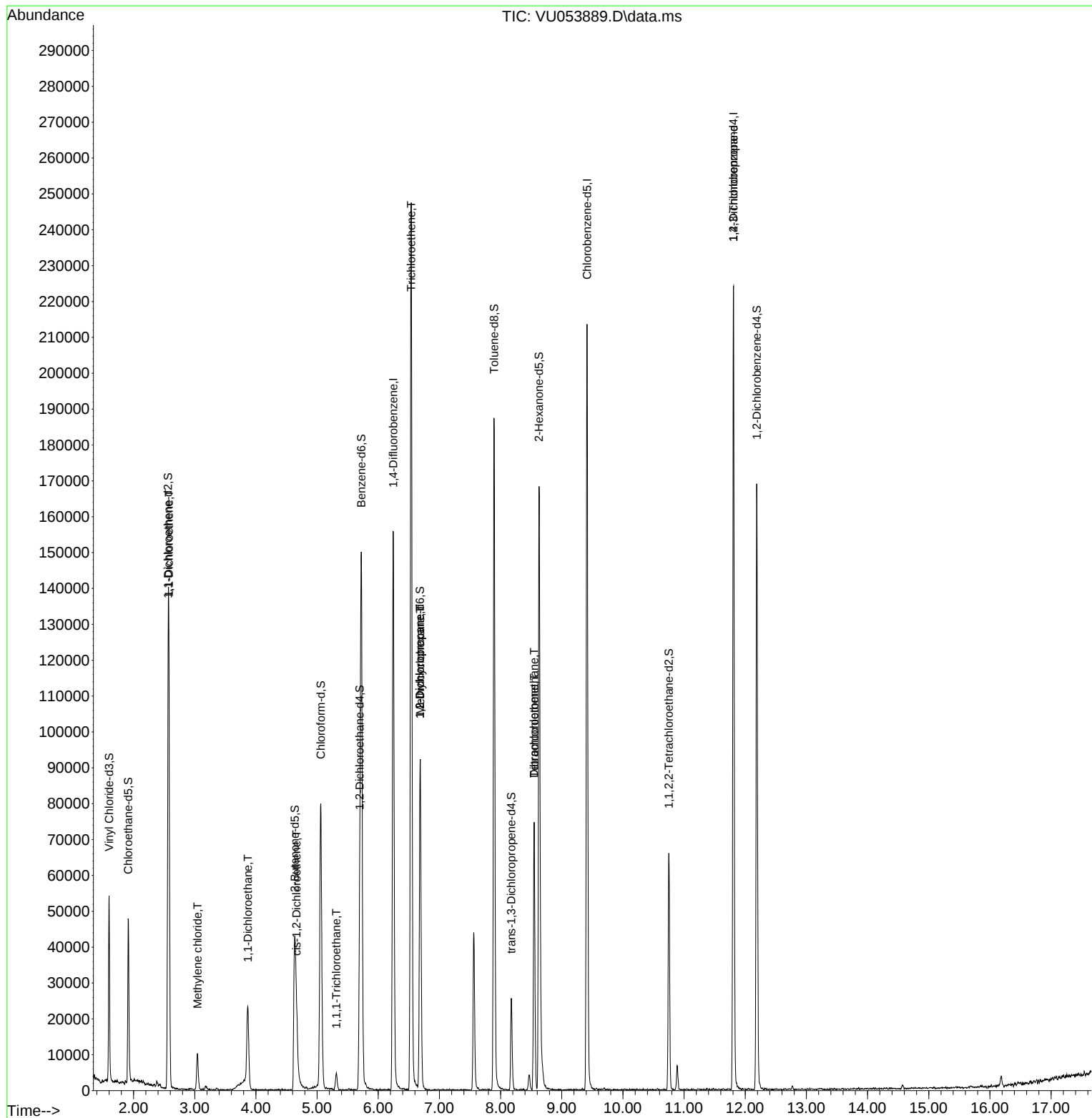
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	136382	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	127947	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	62527	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	38127	4.590	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.800%
7) Chloroethane-d5	1.912	69	33571	4.815	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.400%
11) 1,1-Dichloroethene-d2	2.565	65	15800	4.622	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.400%
20) 2-Butanone-d5	4.636	46	77899	51.200	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.400%
24) Chloroform-d	5.060	84	73453	4.692	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	5.697	65	36203	5.004	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
32) Benzene-d6	5.723	84	149118	4.947	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.684	67	47105	5.166	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.400%
41) Toluene-d8	7.893	98	132398	4.707	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
43) trans-1,3-Dichloroprop...	8.176	79	15709	4.380	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.629	63	62832	49.508	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.020%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	33872	4.597	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	46645	4.651	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	27990	3.263	ug/L #	83
16) Methylene chloride	3.044	84	4978	0.425	ug/L	95
19) 1,1-Dichloroethane	3.867	63	26974	1.719	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	4918	0.503	ug/L	95
29) 1,1,1-Trichloroethane	5.314	97	3499	0.243	ug/L #	84
34) Trichloroethene	6.539	95	84173	8.565	ug/L	98
35) Methylcyclohexane	6.687	83	11178	0.736	ug/L #	21
37) 1,2-Dichloropropane	6.684	63	4532	0.506	ug/L #	87
47) Tetrachloroethene	8.549	164	16571	2.127	ug/L	98
49) Dibromochloromethane	8.549	129	15787	2.223	ug/L #	10
61) 1,2,3-Trichloropropane	11.809	75	7444	1.544	ug/L #	62

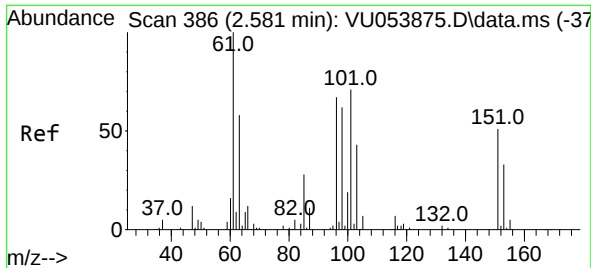
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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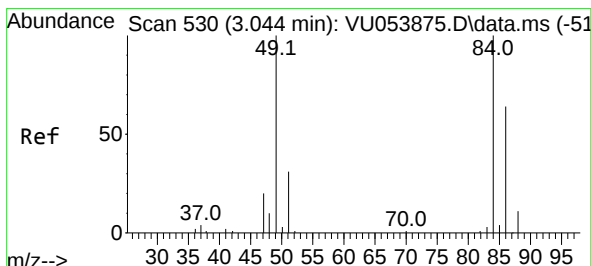
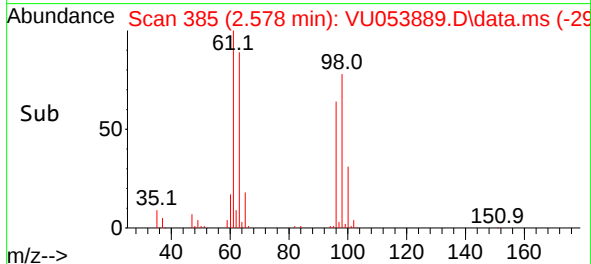
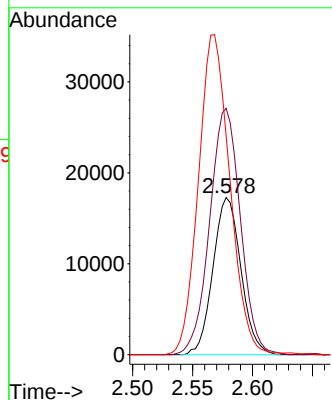
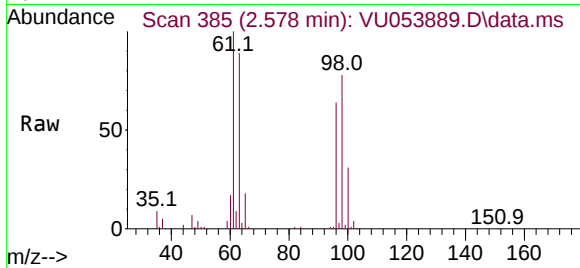




#12
1,1-Dichloroethene
Concen: 3.263 ug/L
RT: 2.578 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU053889.D
Acq: 25 Apr 2023 17:14

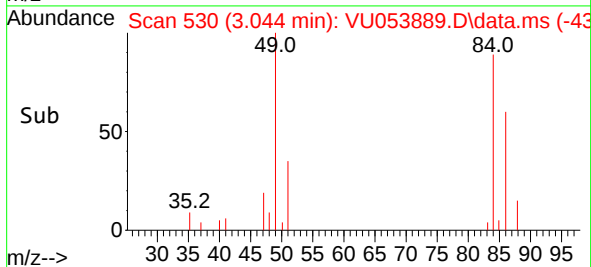
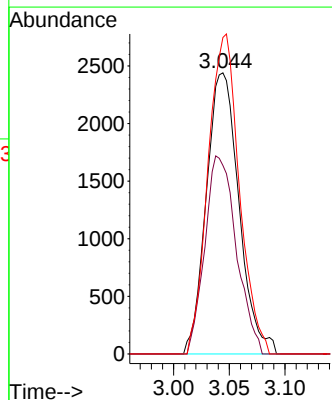
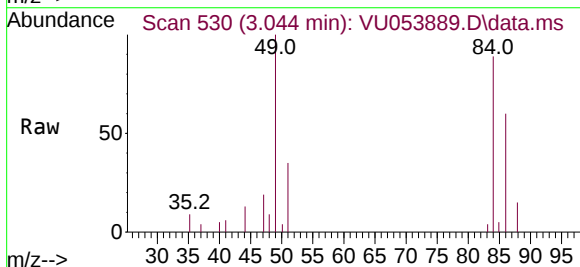
Instrument :
MSVOA_U
ClientSampleId :
BHE36DL

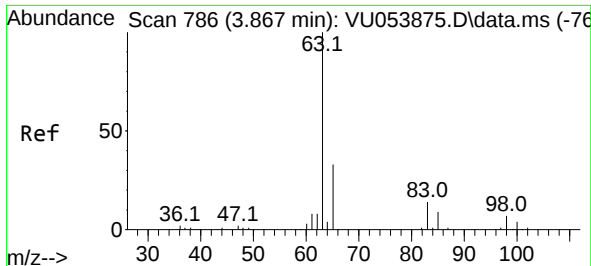
Tgt Ion: 96 Resp: 27990
Ion Ratio Lower Upper
96 100
61 156.7 111.5 207.1
63 139.3 68.7 127.7#



#16
Methylene chloride
Concen: 0.425 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053889.D
Acq: 25 Apr 2023 17:14

Tgt Ion: 84 Resp: 4978
Ion Ratio Lower Upper
84 100
86 67.1 45.0 83.6
49 112.6 74.8 138.8

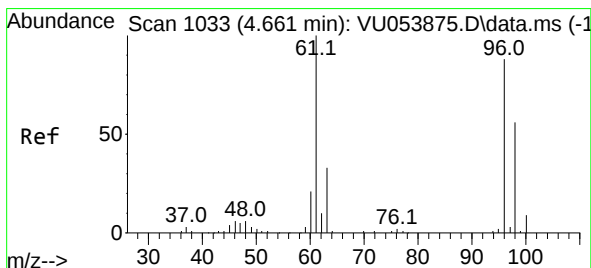
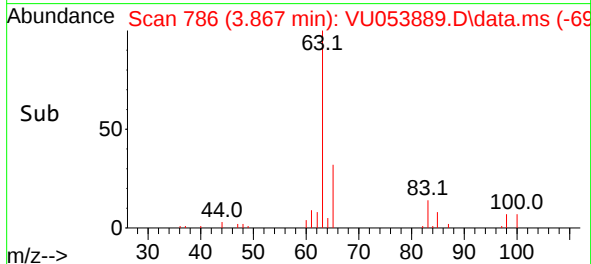
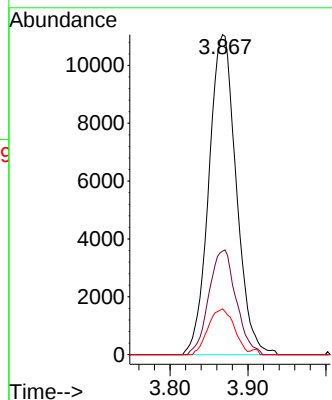
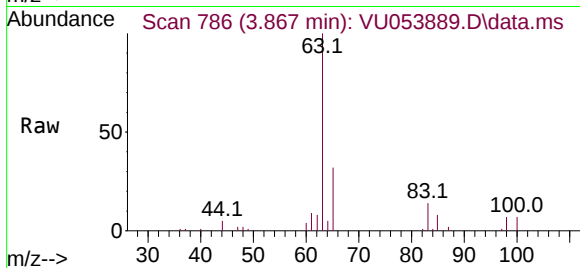




#19
1,1-Dichloroethane
Concen: 1.719 ug/L
RT: 3.867 min Scan# 719
Delta R.T. 0.000 min
Lab File: VU053889.D
Acq: 25 Apr 2023 17:14

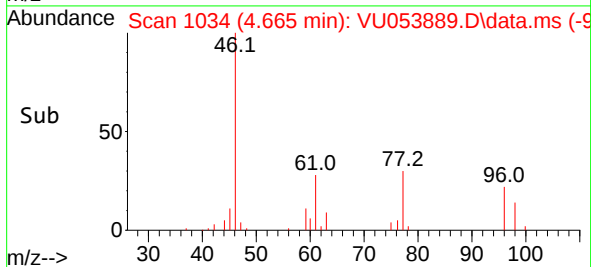
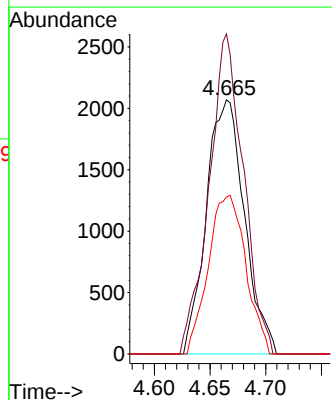
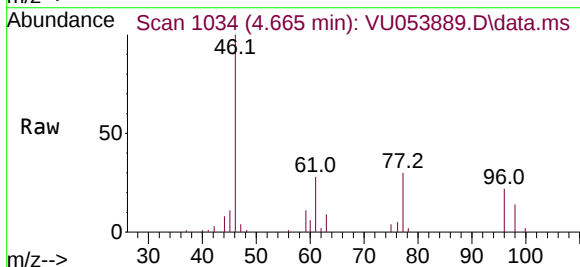
Instrument :
MSVOA_U
ClientSampleId :
BHE36DL

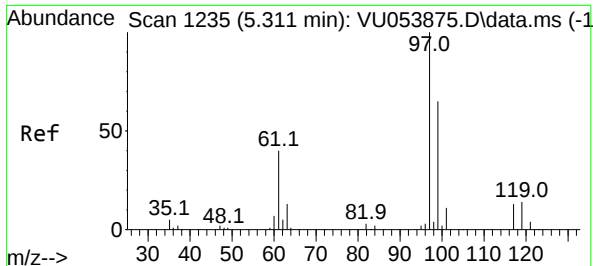
Tgt Ion:	63	Resp:	26974
Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.0	40.8
83	14.3	10.3	19.1



#22
cis-1,2-Dichloroethene
Concen: 0.503 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.003 min
Lab File: VU053889.D
Acq: 25 Apr 2023 17:14

Tgt Ion:	96	Resp:	4918
Ion	Ratio	Lower	Upper
96	100		
61	126.0	84.3	156.5
98	61.8	46.4	86.2





#29

1,1,1-Trichloroethane

Concen: 0.243 ug/L

RT: 5.314 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU053889.D

Acq: 25 Apr 2023 17:14

Instrument :

MSVOA_U

ClientSampleId :

BHE36DL

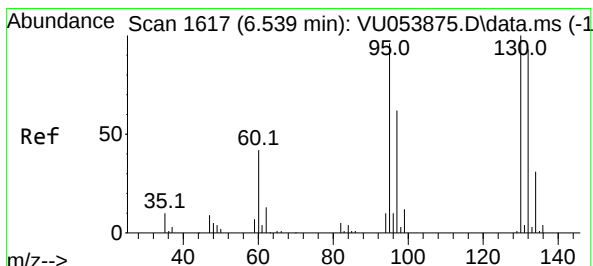
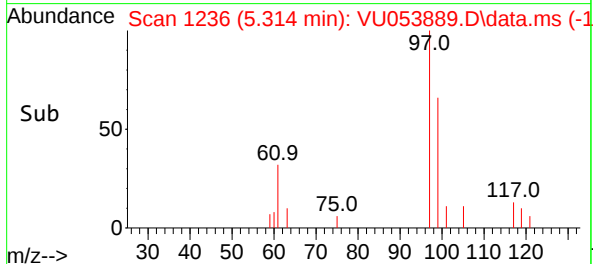
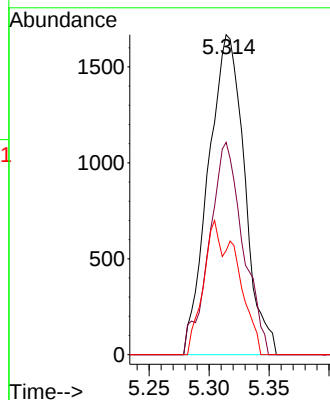
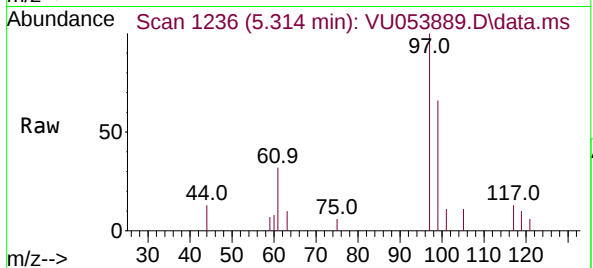
Tgt Ion: 97 Resp: 3499

Ion Ratio Lower Upper

97 100

99 62.0 52.9 79.3

61 21.3 33.8 50.8#



#34

Trichloroethene

Concen: 8.565 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VU053889.D

Acq: 25 Apr 2023 17:14

Tgt Ion: 95 Resp: 84173

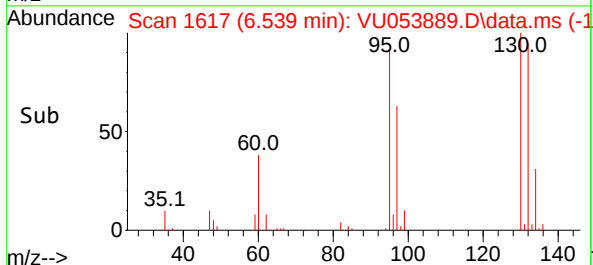
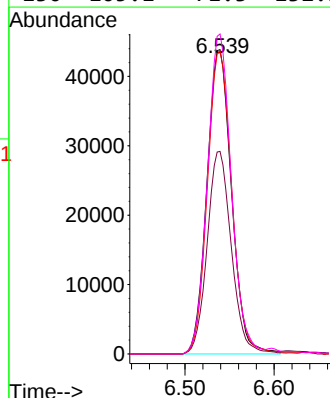
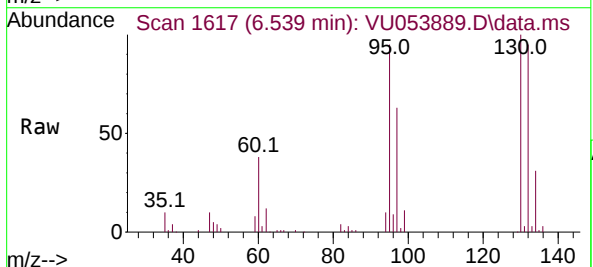
Ion Ratio Lower Upper

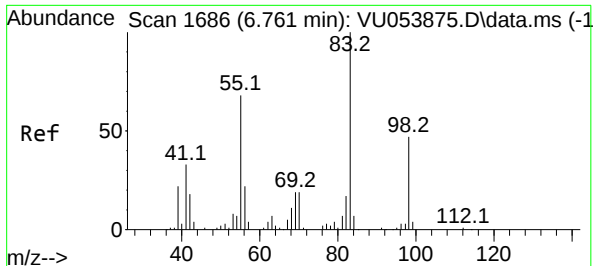
95 100

97 66.5 45.1 83.9

132 99.5 69.9 129.9

130 105.1 71.3 132.3





#35

Methylcyclohexane

Concen: 0.736 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU053889.D

Acq: 25 Apr 2023 17:14

Instrument :

MSVOA_U

ClientSampleId :

BHE36DL

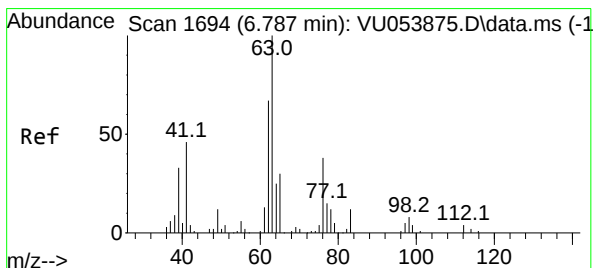
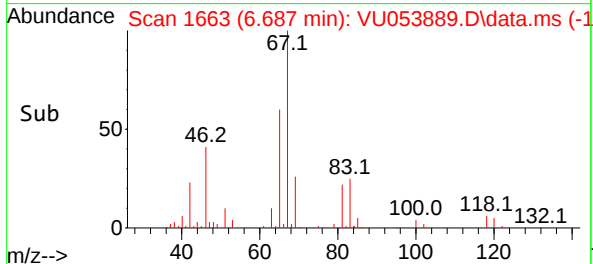
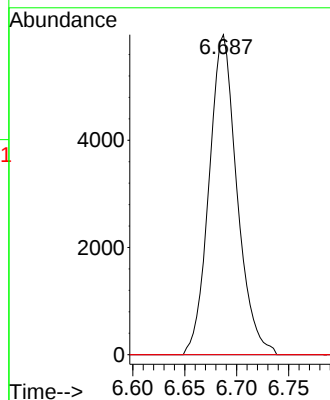
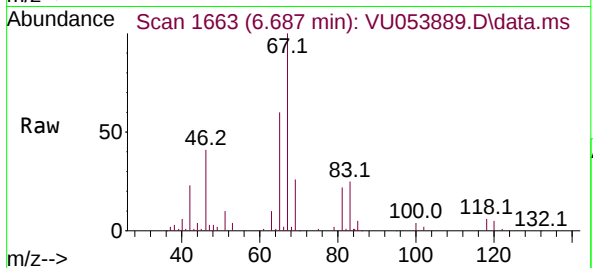
Tgt Ion: 83 Resp: 11178

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: 0.506 ug/L

RT: 6.684 min Scan# 1662

Delta R.T. -0.103 min

Lab File: VU053889.D

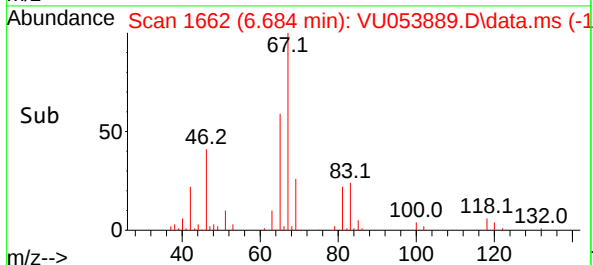
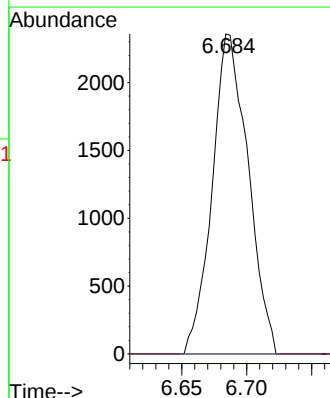
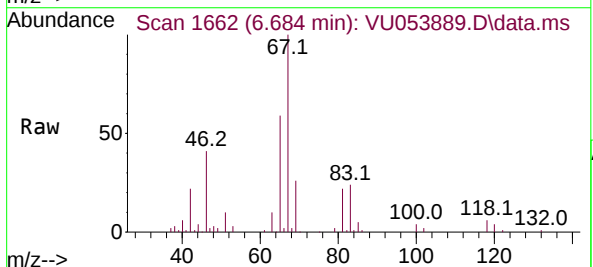
Acq: 25 Apr 2023 17:14

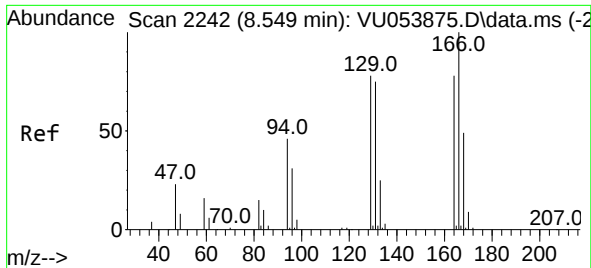
Tgt Ion: 63 Resp: 4532

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#

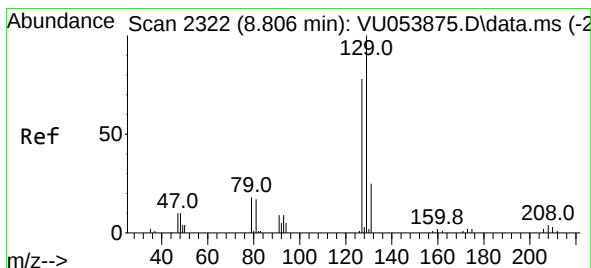
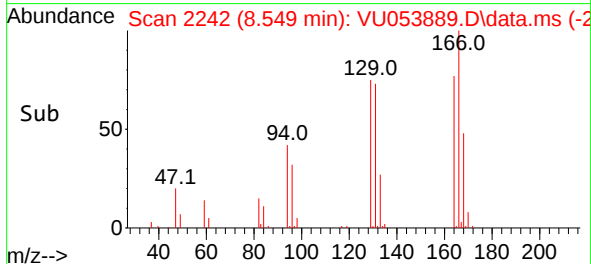
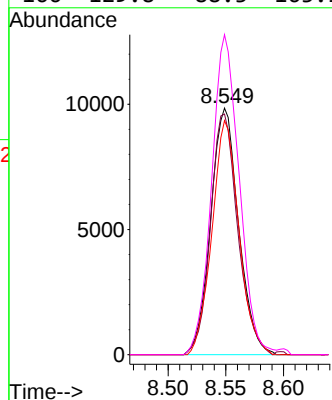
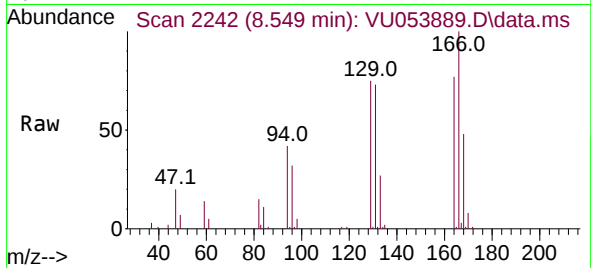




#47
Tetrachloroethene
Concen: 2.127 ug/L
RT: 8.549 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053889.D
Acq: 25 Apr 2023 17:14

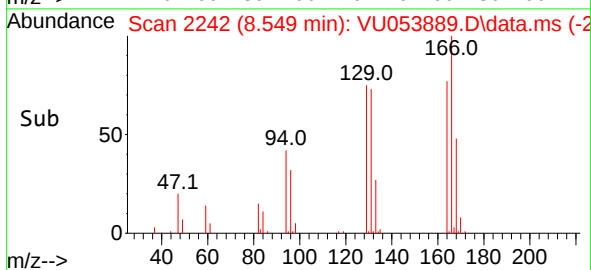
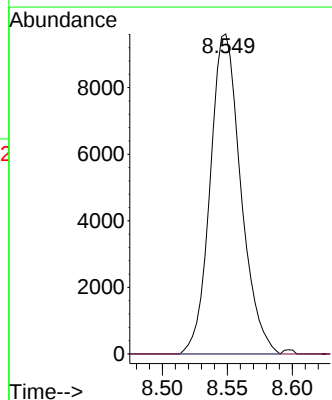
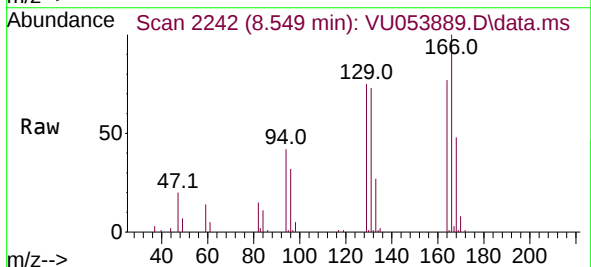
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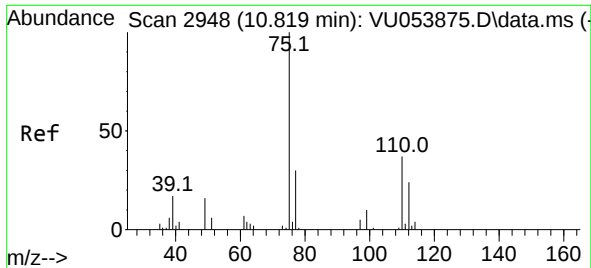
Tgt Ion:164 Resp: 16571
Ion Ratio Lower Upper
164 100
129 97.6 68.3 126.8
131 95.0 64.4 119.6
166 129.8 88.3 163.9



#49
Dibromochloromethane
Concen: 2.223 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.257 min
Lab File: VU053889.D
Acq: 25 Apr 2023 17:14

Tgt Ion:129 Resp: 15787
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#





#61

1,2,3-Trichloropropane

Concen: 1.544 ug/L

RT: 11.809 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU053889.D

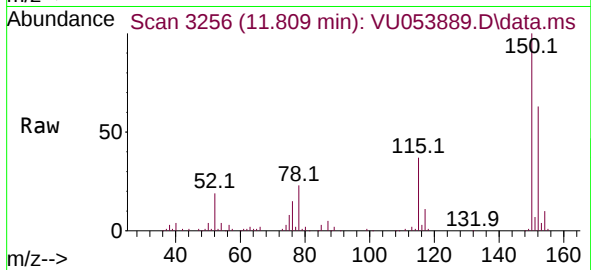
Acq: 25 Apr 2023 17:14

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion: 75 Resp: 7444

Ion Ratio Lower Upper

75 100

110 0.0 30.7 46.1#

77 28.6 26.2 39.4

