

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041723\
 Data File : VU053732.D
 Acq On : 17 Apr 2023 17:21
 Operator : JC/MD
 Sample : 02340-08 200C
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE06

Quant Time: Apr 18 00:22:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 18 00:19:36 2023
 Response via : Initial Calibration

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

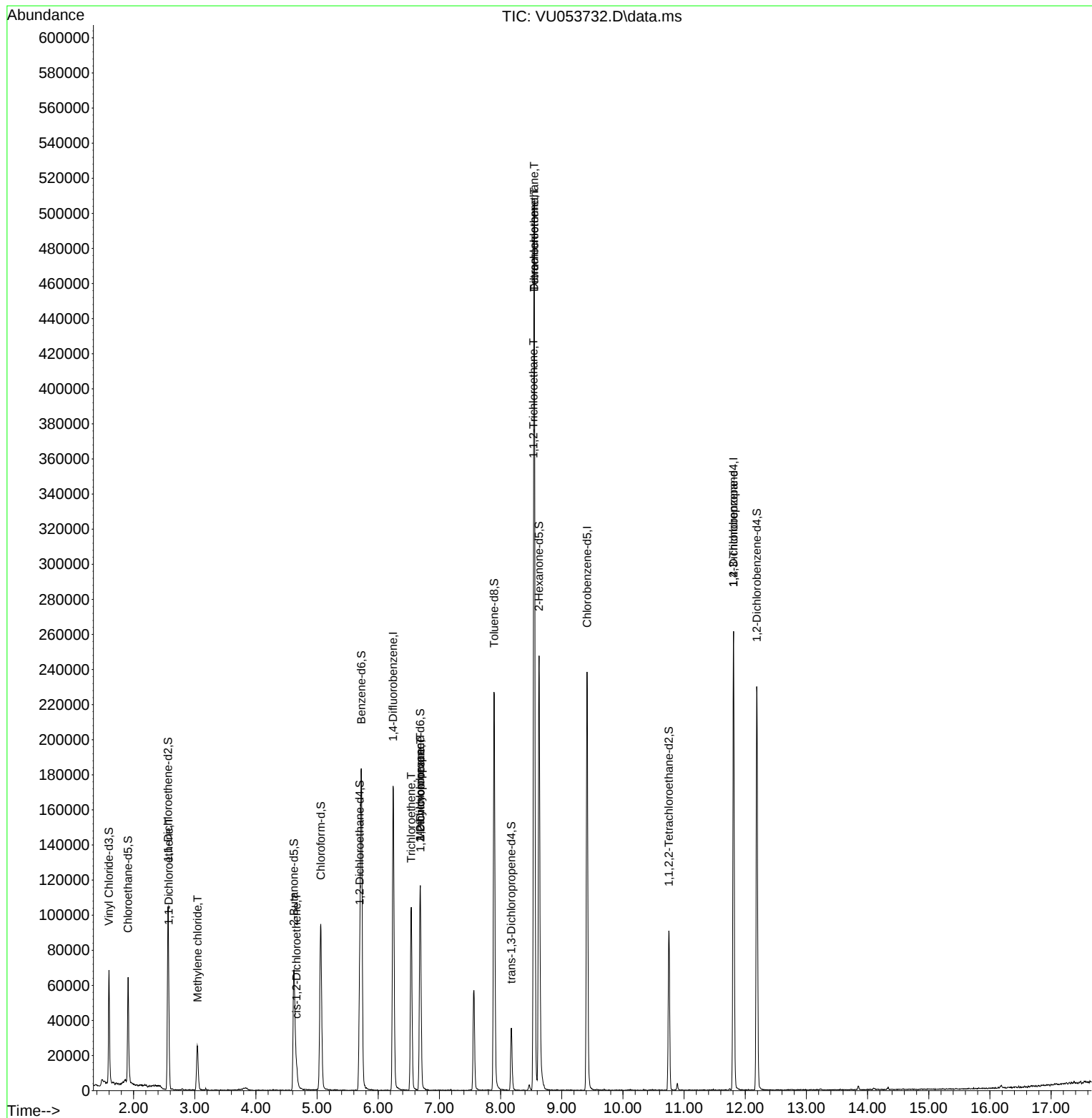
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	148827	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	140481	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	70679	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	49692	4.854	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.000%
7) Chloroethane-d5	1.909	69	45234	4.868	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.400%
11) 1,1-Dichloroethene-d2	2.565	65	18661	4.279	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.600%
20) 2-Butanone-d5	4.620	46	103300	44.042	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.080%
24) Chloroform-d	5.060	84	89855	4.734	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	5.697	65	46535	4.784	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.600%
32) Benzene-d6	5.722	84	180084	4.523	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.687	67	57446	4.735	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.800%
41) Toluene-d8	7.893	98	161807	4.308	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
43) trans-1,3-Dichloroprop...	8.176	79	21381	4.593	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.800%
46) 2-Hexanone-d5	8.629	63	88565	46.837	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.680%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	45745	4.530	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.600%
66) 1,2-Dichlorobenzene-d4	12.188	152	62437	4.910	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.200%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.575	96	1699	0.202	ug/L #	1
16) Methylene chloride	3.044	84	13319	1.204	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	3901	0.331	ug/L	96
34) Trichloroethene	6.539	95	35362	3.528	ug/L	93
35) Methylcyclohexane	6.687	83	13657	0.794	ug/L #	22
37) 1,2-Dichloropropane	6.690	63	6354	0.639	ug/L #	89
45) 1,1,2-Trichloroethane	8.539	97	737	0.104	ug/L #	1
47) Tetrachloroethene	8.549	164	110820	15.047	ug/L	95
49) Dibromochloromethane	8.549	129	106026	15.194	ug/L #	12
61) 1,2,3-Trichloropropane	11.809	75	8800	1.503	ug/L #	66

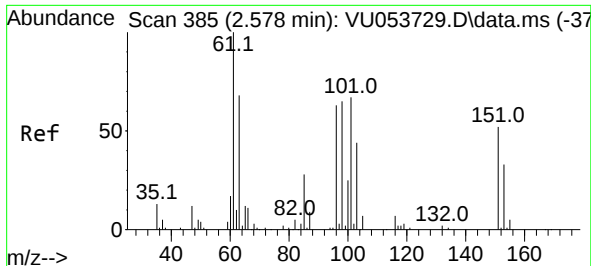
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.202 ug/L

RT: 2.575 min Scan# 3

Delta R.T. -0.003 min

Lab File: VU053732.D

Acq: 17 Apr 2023 17:21

Instrument :

MSVOA_U

ClientSampleId :

BHE06

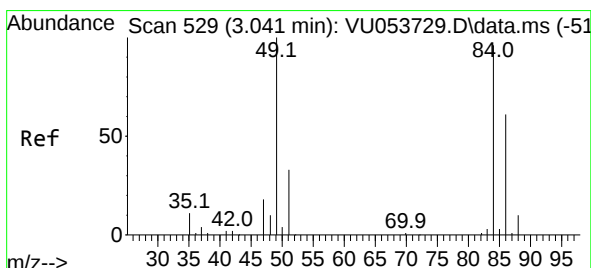
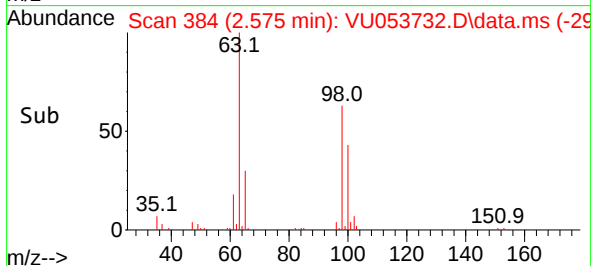
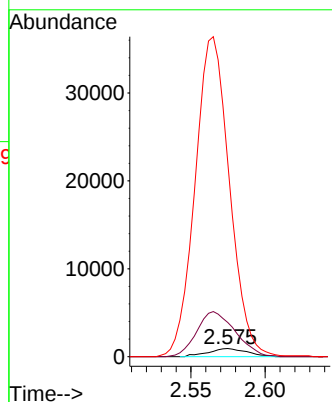
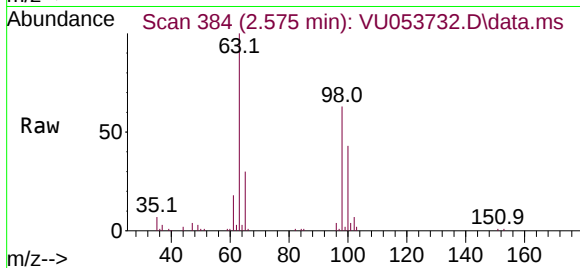
Tgt Ion: 96 Resp: 1699

Ion Ratio Lower Upper

96 100

61 420.8 116.8 216.8#

63 2388.8 88.6 164.6#



#16

Methylene chloride

Concen: 1.204 ug/L

RT: 3.044 min Scan# 530

Delta R.T. 0.003 min

Lab File: VU053732.D

Acq: 17 Apr 2023 17:21

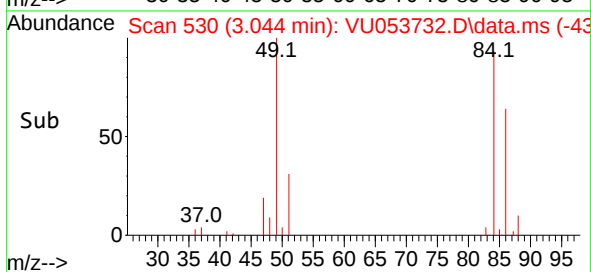
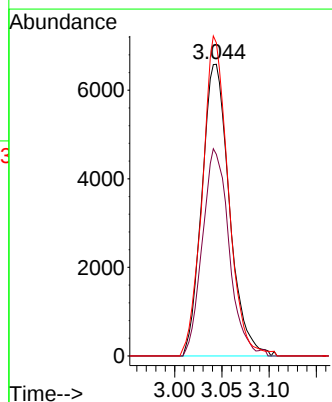
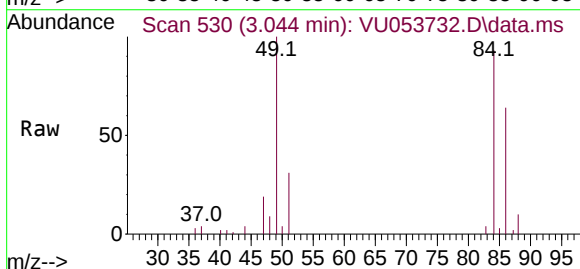
Tgt Ion: 84 Resp: 13319

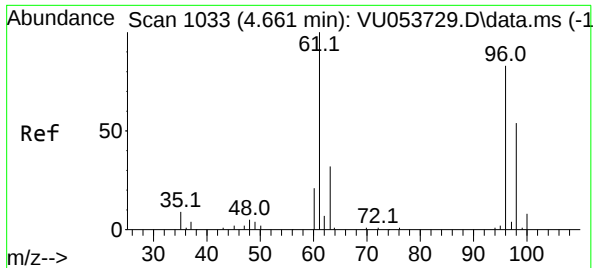
Ion Ratio Lower Upper

84 100

86 69.1 44.7 83.1

49 107.3 75.5 140.1

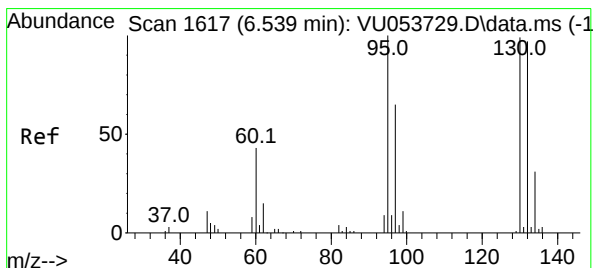
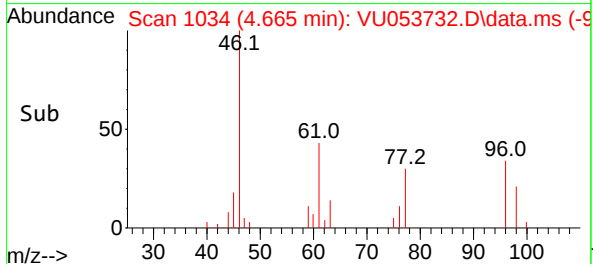
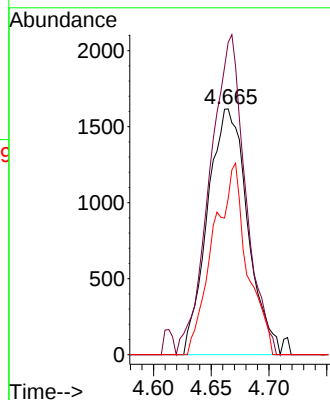
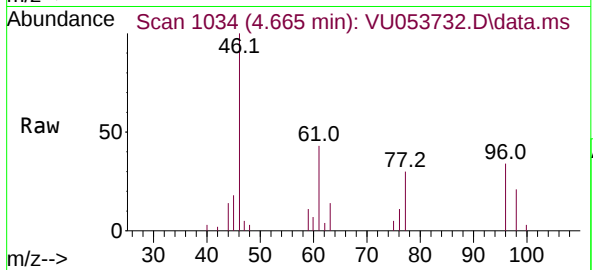




#22
cis-1,2-Dichloroethene
Concen: 0.331 ug/L
RT: 4.665 min Scan# 1033
Delta R.T. 0.003 min
Lab File: VU053732.D
Acq: 17 Apr 2023 17:21

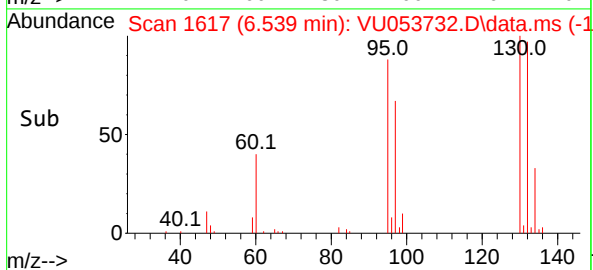
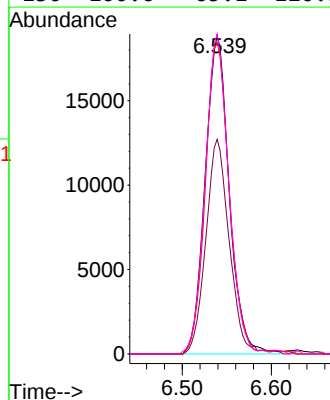
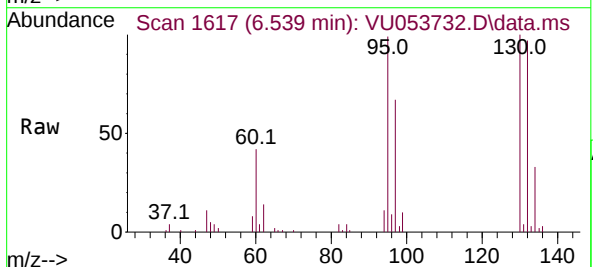
Instrument :
MSVOA_U
ClientSampleId :
BHE06

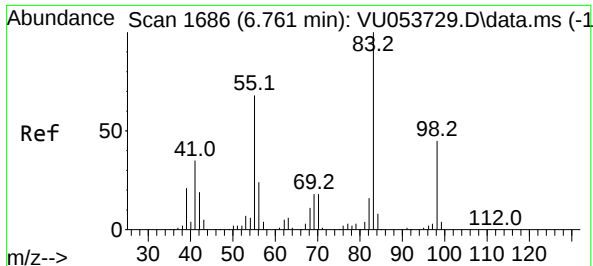
Tgt Ion: 96 Resp: 3901
Ion Ratio Lower Upper
96 100
61 127.0 86.6 160.8
98 63.5 47.7 88.5



#34
Trichloroethene
Concen: 3.528 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU053732.D
Acq: 17 Apr 2023 17:21

Tgt Ion: 95 Resp: 35362
Ion Ratio Lower Upper
95 100
97 67.4 45.3 84.1
132 97.9 62.8 116.6
130 100.6 65.1 120.9





#35

Methylcyclohexane

Concen: 0.794 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU053732.D

Acq: 17 Apr 2023 17:21

Instrument :

MSVOA_U

ClientSampleId :

BHE06

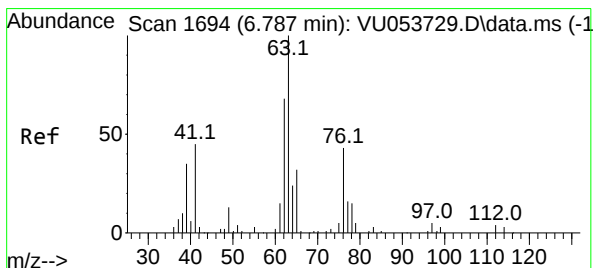
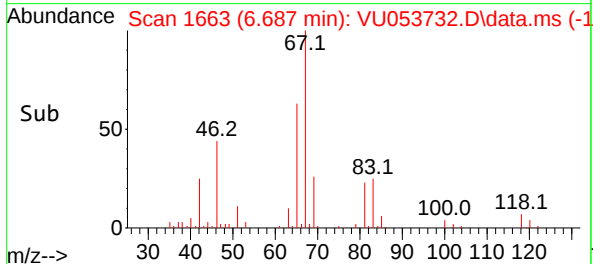
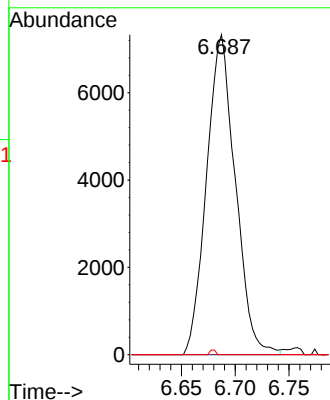
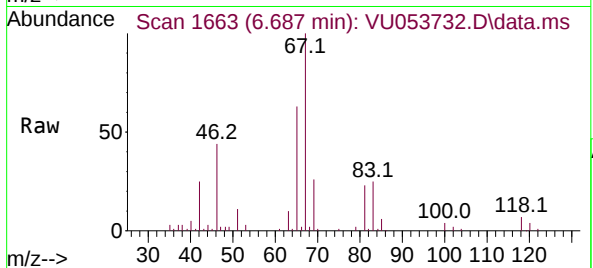
Tgt Ion: 83 Resp: 13657

Ion Ratio Lower Upper

83 100

55 0.0 54.9 82.3#

98 0.3 34.9 52.3#



#37

1,2-Dichloropropane

Concen: 0.639 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.096 min

Lab File: VU053732.D

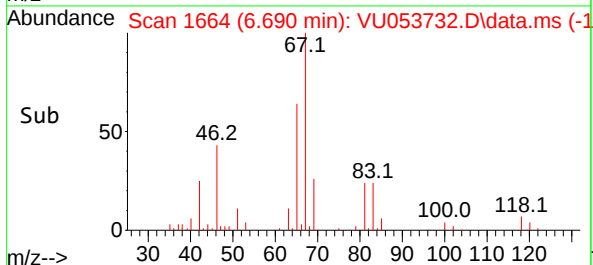
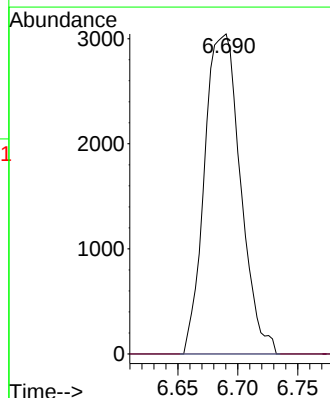
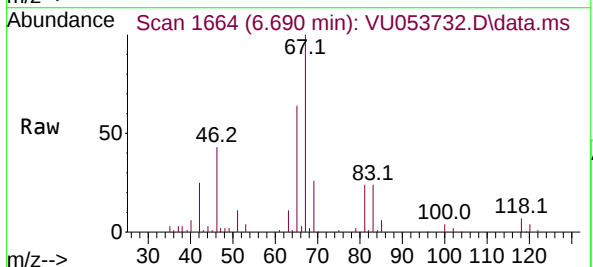
Acq: 17 Apr 2023 17:21

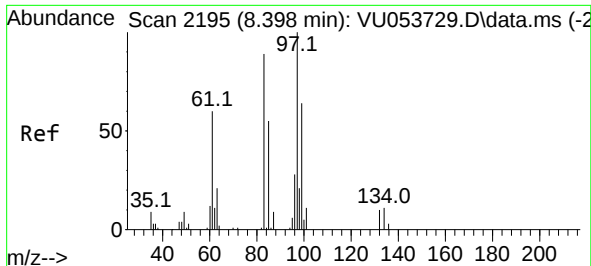
Tgt Ion: 63 Resp: 6354

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#

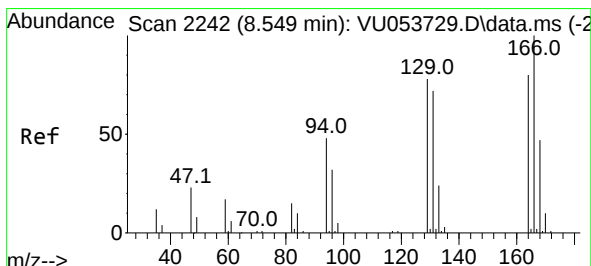
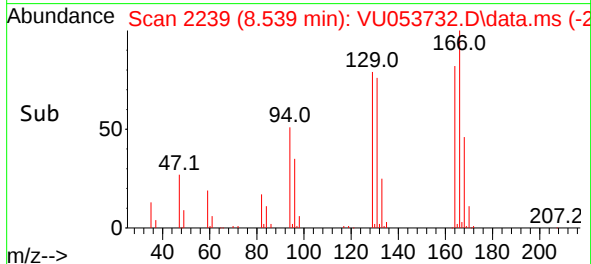
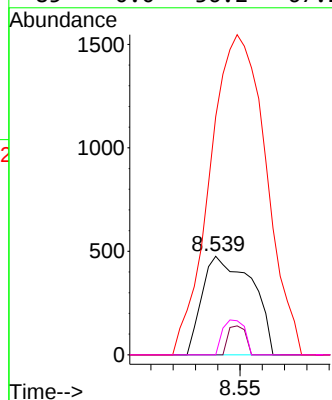
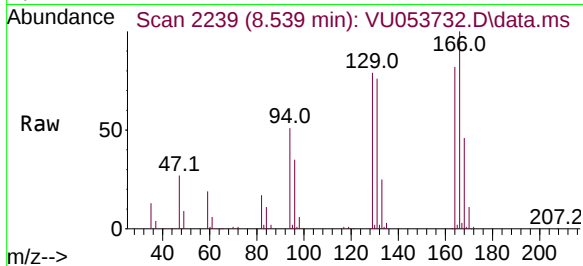




#45
1,1,2-Trichloroethane
Concen: 0.104 ug/L
RT: 8.539 min Scan# 2195
Delta R.T. 0.142 min
Lab File: VU053732.D
Acq: 17 Apr 2023 17:21

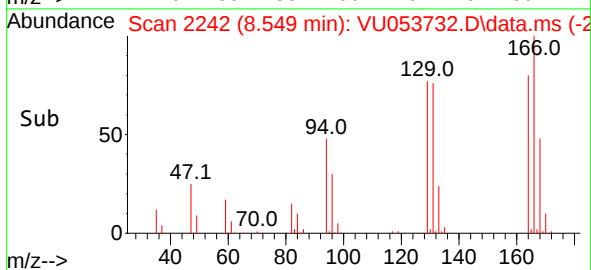
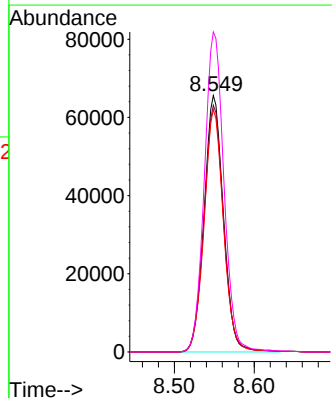
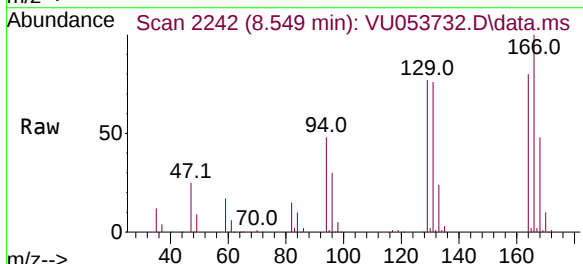
Instrument :
MSVOA_U
ClientSampleId :
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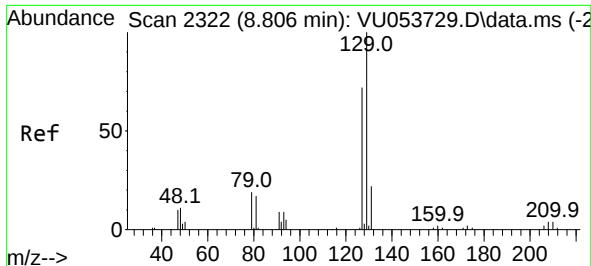
Tgt Ion: 97	Resp: 737
Ion Ratio	Lower Upper
97 100	
99 0.0	38.9 72.2#
83 241.8	57.6 107.0#
85 0.0	36.2 67.2#



#47
Tetrachloroethene
Concen: 15.047 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053732.D
Acq: 17 Apr 2023 17:21

Tgt	Ion:164	Resp:	110820
Ion	Ratio	Lower	Upper
164	100		
129	96.1	74.8	138.8
131	94.4	70.1	130.1
166	124.7	87.3	162.1

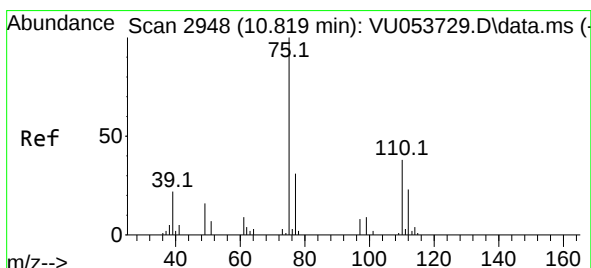
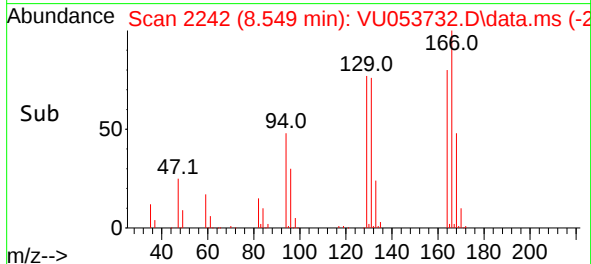
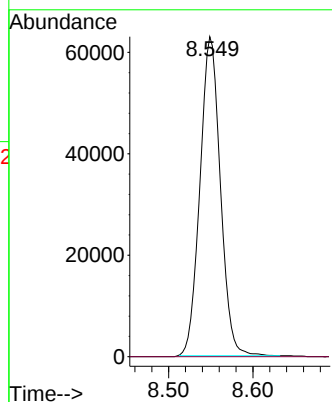
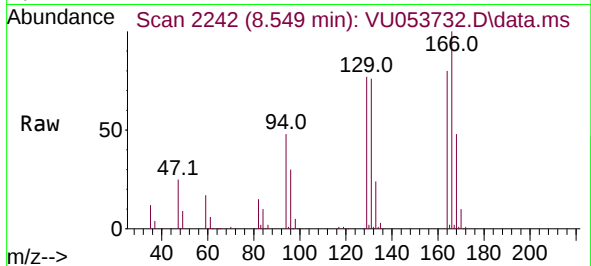




#49
Dibromochloromethane
Concen: 15.194 ug/L
RT: 8.549 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU053732.D
Acq: 17 Apr 2023 17:21

Instrument :
MSVOA_U
ClientSampleId :
BHE06

Tgt Ion:129 Resp: 106026
Ion Ratio Lower Upper
129 100
127 0.2 52.2 97.0#



#61
1,2,3-Trichloropropane
Concen: 1.503 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.990 min
Lab File: VU053732.D
Acq: 17 Apr 2023 17:21

Tgt Ion: 75 Resp: 8800
Ion Ratio Lower Upper
75 100
110 2.1 30.6 46.0#
77 31.0 26.1 39.1

