

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091923\
 Data File : VU055401.D
 Acq On : 19 Sep 2023 19:36
 Operator : MD/SY
 Sample : 04398-02DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4P2DL

Quant Time: Sep 20 06:08:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 20 06:06:30 2023
 Response via : Initial Calibration

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

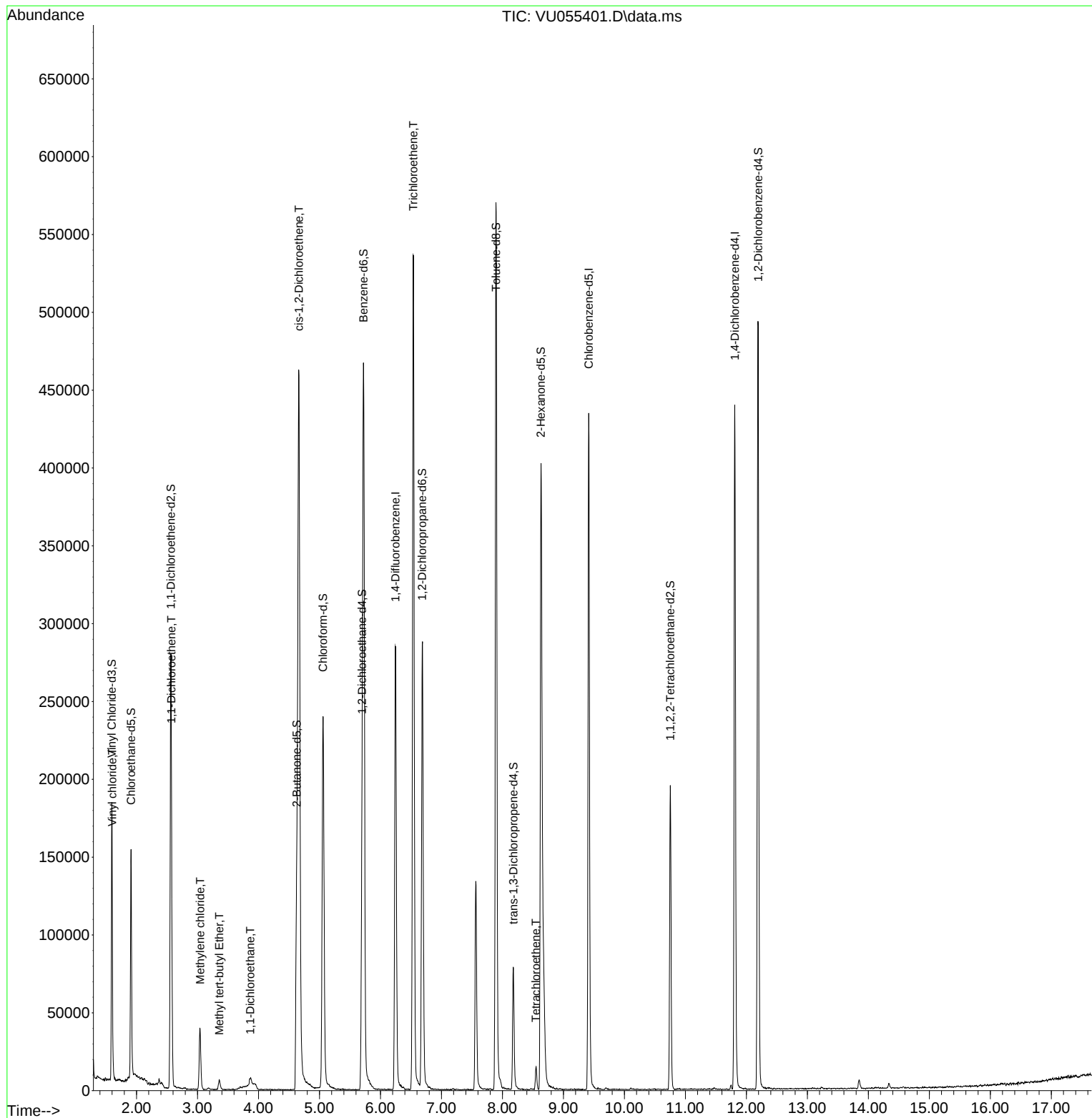
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	238432	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	243594	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	118033	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	116785	4.846	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.000%
7) Chloroethane-d5	1.911	69	102748	4.838	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.563	65	49652	5.006	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.200%
20) 2-Butanone-d5	4.628	46	234123	53.788	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.580%
24) Chloroform-d	5.058	84	223990	5.139	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
26) 1,2-Dichloroethane-d4	5.698	65	112380	5.360	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.200%
32) Benzene-d6	5.724	84	451108	5.294	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.800%
36) 1,2-Dichloropropane-d6	6.685	67	137867	5.416	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.400%
41) Toluene-d8	7.894	98	392139	5.049	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
43) trans-1,3-Dichloroprop...	8.180	79	44615	4.994	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.800%
46) 2-Hexanone-d5	8.631	63	128728	47.371	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.740%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	97396	5.105	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	133417	5.600	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.000%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	13638	0.619	ug/L	98
12) 1,1-Dichloroethene	2.573	96	13906	0.834	ug/L #	1
16) Methylene chloride	3.042	84	18094	0.906	ug/L	92
17) Methyl tert-butyl Ether	3.357	73	5111	0.141	ug/L #	79
19) 1,1-Dichloroethane	3.865	63	5782	0.186	ug/L	95
22) cis-1,2-Dichloroethene	4.663	96	221805	11.386	ug/L	99
34) Trichloroethene	6.541	95	188292	9.494	ug/L	98
47) Tetrachloroethene	8.550	164	3047	0.214	ug/L	94

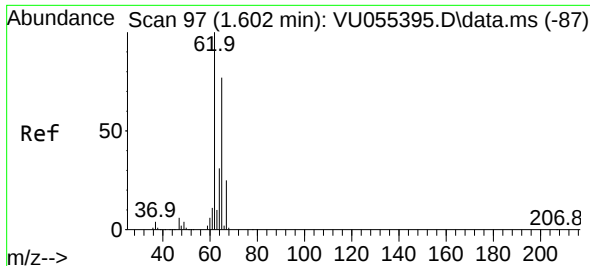
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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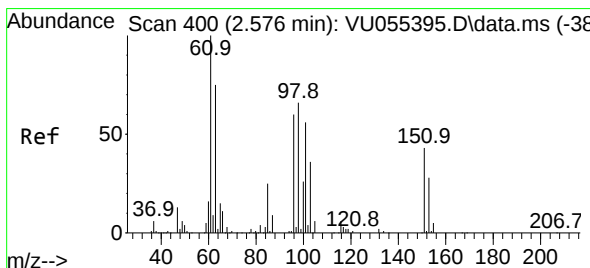
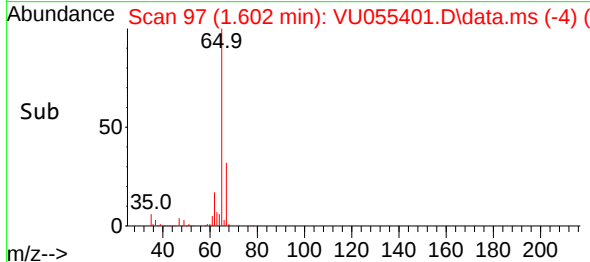
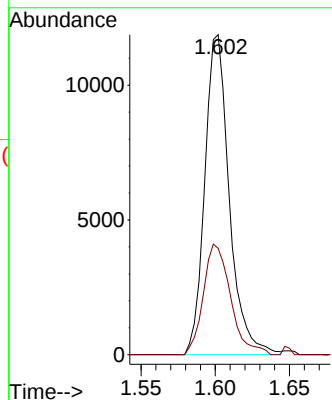
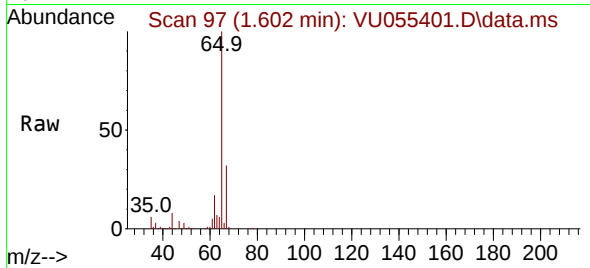




#5
 Vinyl chloride
 Concen: 0.619 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055401.D
 Acq: 19 Sep 2023 19:36

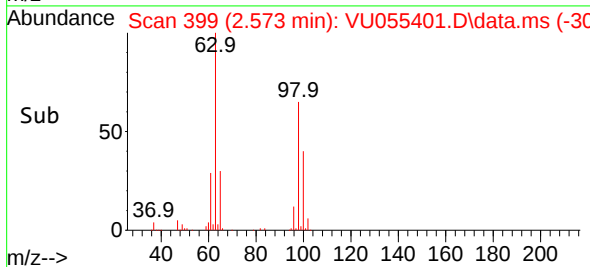
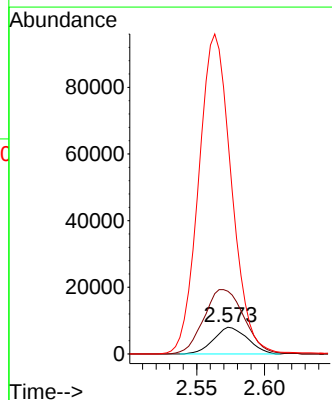
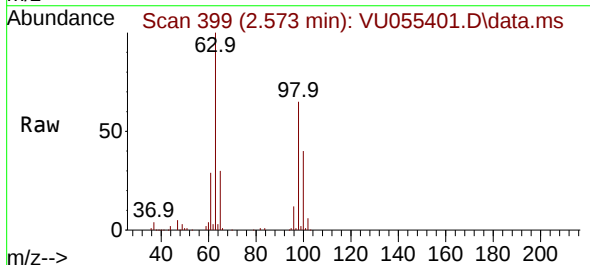
Instrument :
 MSVOA_U
 ClientSampleId :
 BH4P2DL

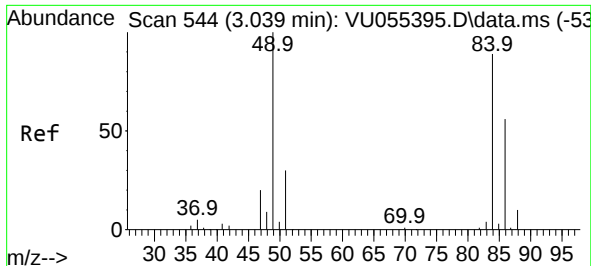
Tgt Ion: 62 Resp: 13638
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.3 41.5



#12
 1,1-Dichloroethene
 Concen: 0.834 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.004 min
 Lab File: VU055401.D
 Acq: 19 Sep 2023 19:36

Tgt Ion: 96 Resp: 13906
 Ion Ratio Lower Upper
 96 100
 61 234.5 114.5 212.7#
 63 807.4 98.3 182.5#

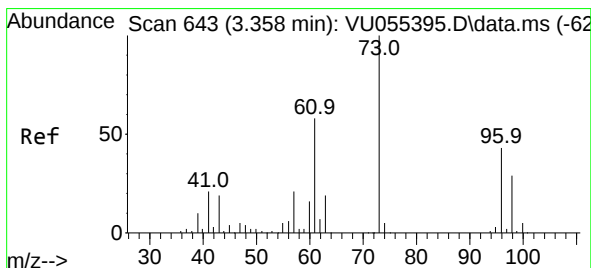
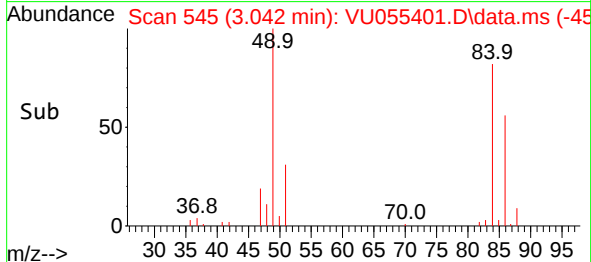
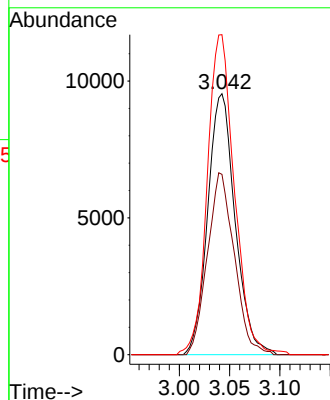
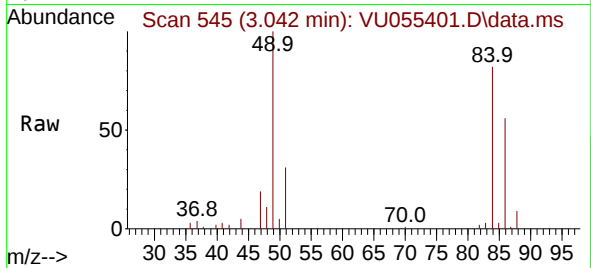




#16
Methylene chloride
Concen: 0.906 ug/L
RT: 3.042 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU055401.D
Acq: 19 Sep 2023 19:36

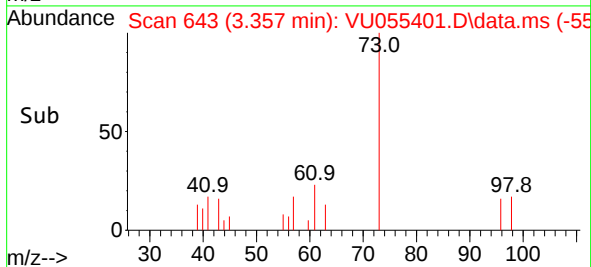
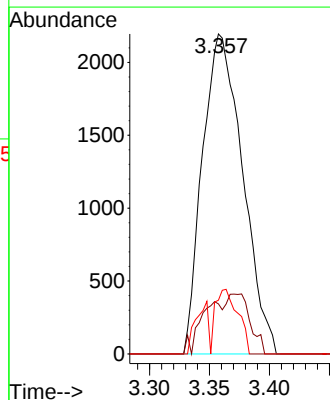
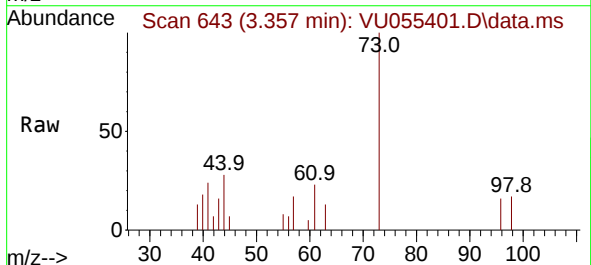
Instrument :
MSVOA_U
ClientSampleId :
BH4P2DL

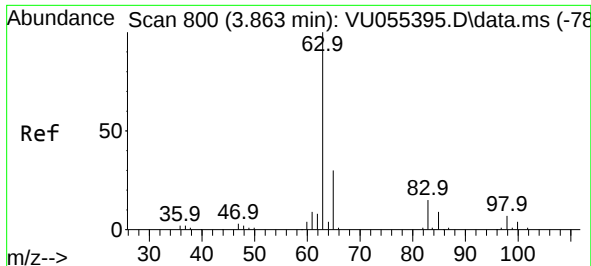
Tgt Ion: 84 Resp: 18094
Ion Ratio Lower Upper
84 100
86 69.1 44.9 83.3
49 122.7 78.8 146.3



#17
Methyl tert-butyl Ether
Concen: 0.141 ug/L
RT: 3.357 min Scan# 643
Delta R.T. -0.000 min
Lab File: VU055401.D
Acq: 19 Sep 2023 19:36

Tgt Ion: 73 Resp: 5111
Ion Ratio Lower Upper
73 100
43 9.3 14.9 22.3#
57 11.3 17.3 25.9#





#19

1,1-Dichloroethane

Concen: 0.186 ug/L

RT: 3.865 min Scan# 800

Delta R.T. 0.003 min

Lab File: VU055401.D

Acq: 19 Sep 2023 19:36

Instrument :

MSVOA_U

ClientSampleId :

BH4P2DL

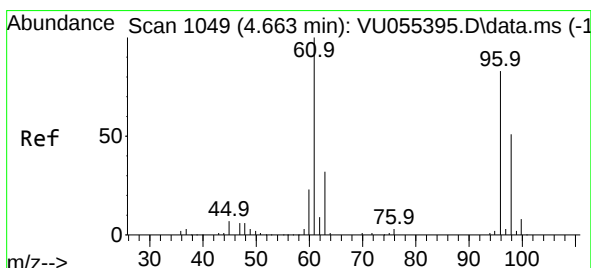
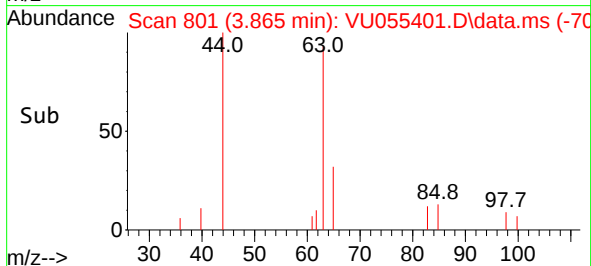
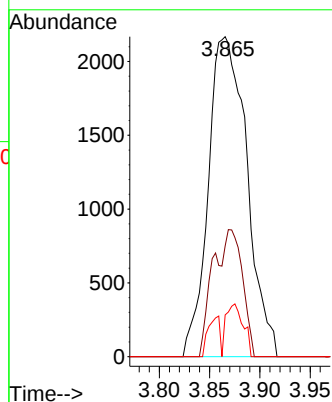
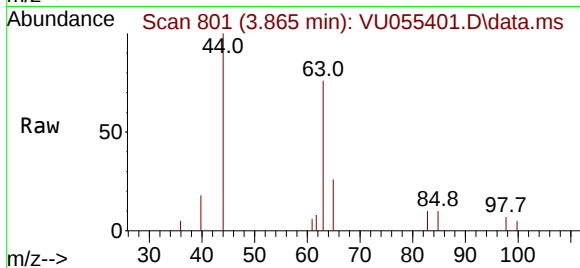
Tgt Ion: 63 Resp: 5782

Ion Ratio Lower Upper

63 100

65 34.6 22.0 41.0

83 13.1 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 11.386 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055401.D

Acq: 19 Sep 2023 19:36

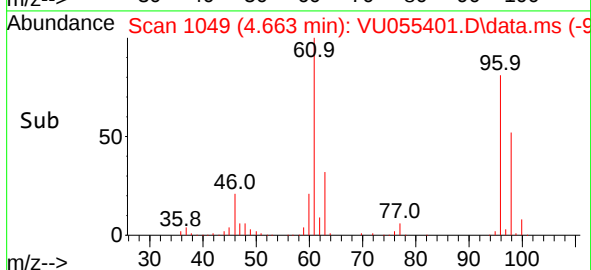
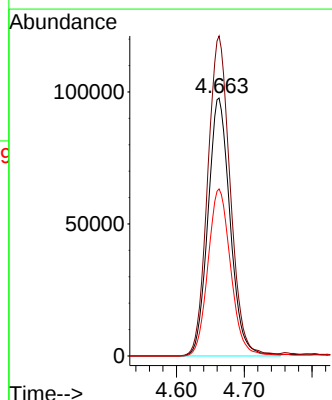
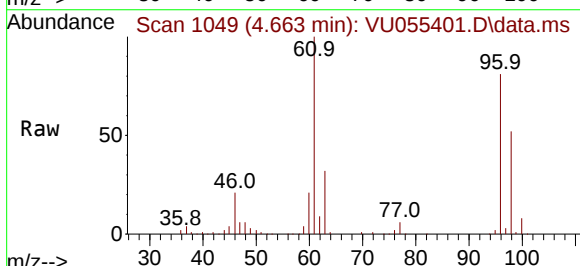
Tgt Ion: 96 Resp: 221805

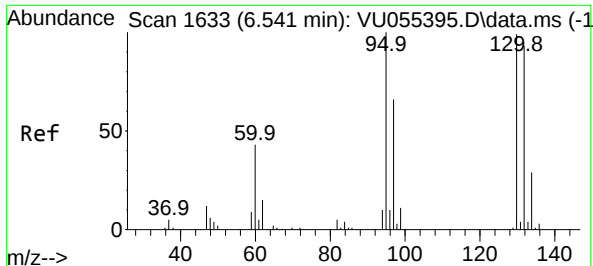
Ion Ratio Lower Upper

96 100

61 124.0 87.8 163.2

98 64.7 44.4 82.4

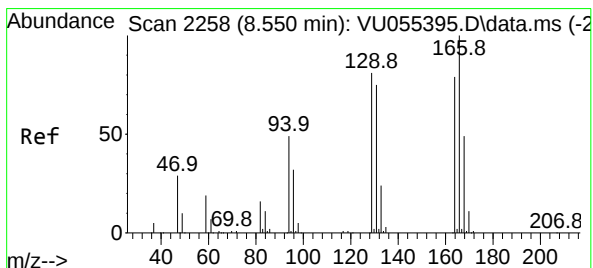
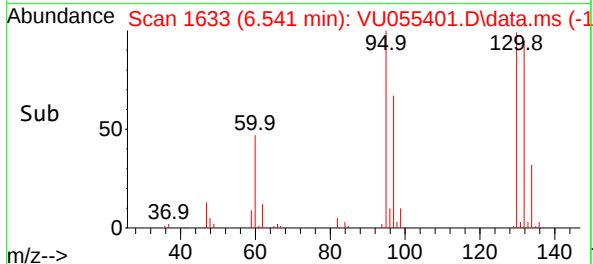
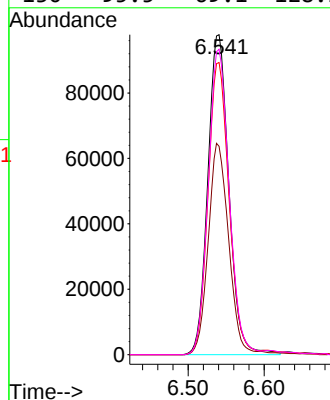
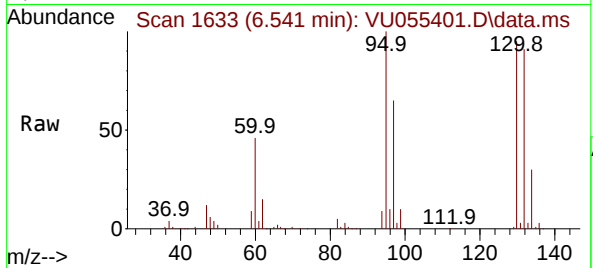




#34
Trichloroethene
Concen: 9.494 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055401.D
Acq: 19 Sep 2023 19:36

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MSVOA_U
ClientSampleId :
BH4P2DL

Tgt Ion: 95 Resp: 188292
Ion Ratio Lower Upper
95 100
97 65.1 45.4 84.2
132 91.3 65.2 121.2
130 95.5 69.1 128.3



#47
Tetrachloroethene
Concen: 0.214 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU055401.D
Acq: 19 Sep 2023 19:36

Tgt Ion: 164 Resp: 3047
Ion Ratio Lower Upper
164 100
129 91.1 67.4 125.2
131 91.1 66.4 123.2
166 136.8 88.8 165.0

