

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083023\
 Data File : VU054991.D
 Acq On : 30 Aug 2023 11:59
 Operator : MD/SY
 Sample : 04209-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH471

Quant Time: Aug 31 02:35:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 31 02:34:15 2023
 Response via : Initial Calibration

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

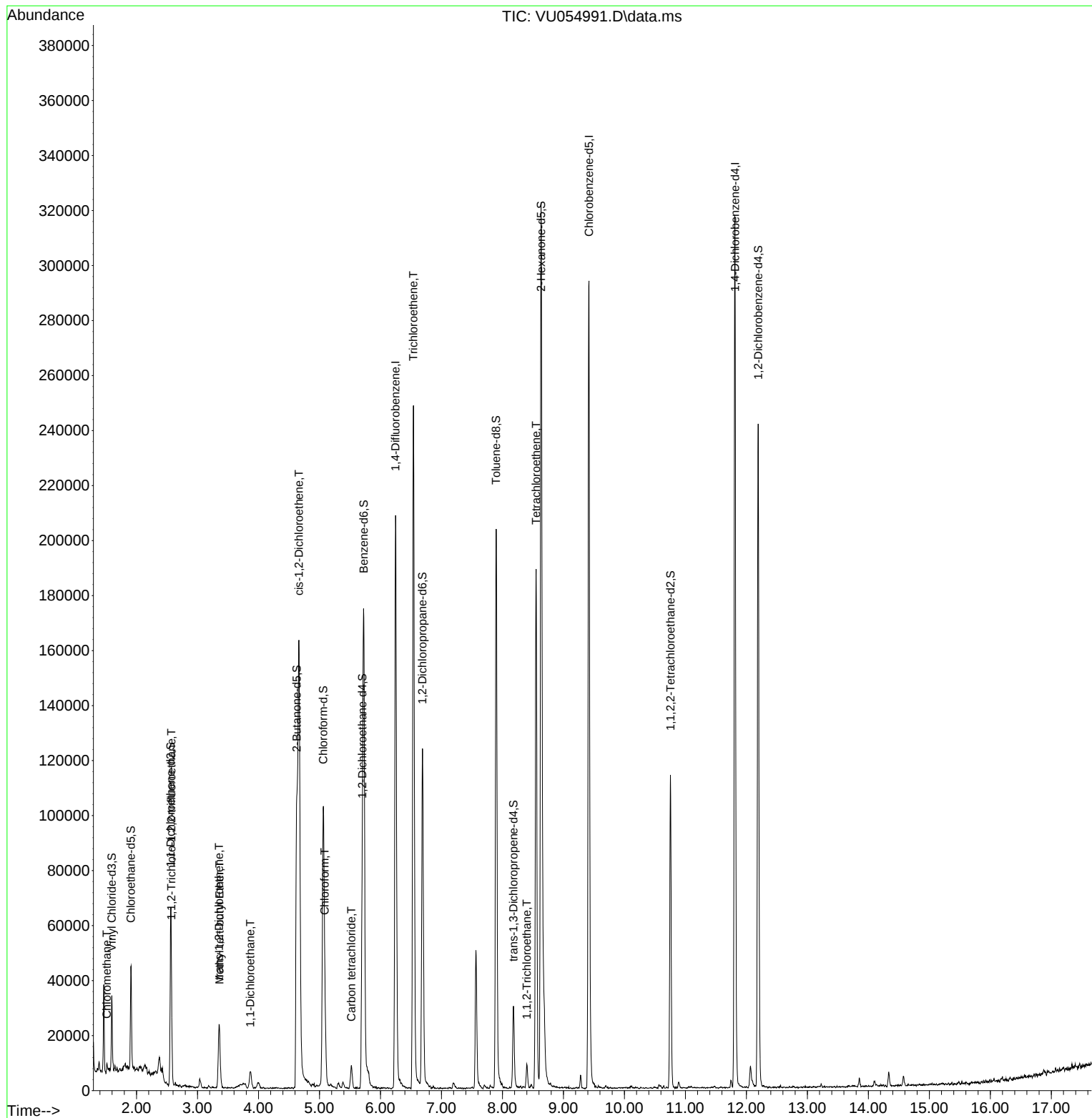
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	164959	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	160351	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	80291	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	18892	3.629	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.600%
7) Chloroethane-d5	1.907	69	26751	3.977	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.600%
11) 1,1-Dichloroethene-d2	2.560	65	12062	4.099	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.000%
20) 2-Butanone-d5	4.628	46	161825	57.581	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.160%
24) Chloroform-d	5.062	84	87665	4.539	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.701	65	49561	4.822	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.727	84	157776	4.377	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.600%
36) 1,2-Dichloropropane-d6	6.689	67	57232	4.515	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.200%
41) Toluene-d8	7.897	98	136289	3.948	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.000%
43) trans-1,3-Dichloroprop...	8.180	79	17087	4.096	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.000%
46) 2-Hexanone-d5	8.634	63	107706	54.393	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.780%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	53812	4.950	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	60324	4.706	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.200%
Target Compounds						
3) Chloromethane	1.515	50	2750	0.258	ug/L #	82
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	2360	0.276	ug/L #	84
17) Methyl tert-butyl Ether	3.361	73	5447	0.251	ug/L	95
18) trans-1,2-Dichloroethene	3.354	96	8376	1.029	ug/L	90
19) 1,1-Dichloroethane	3.865	63	8087	0.474	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	71679	7.386	ug/L	95
25) Chloroform	5.087	83	22783	1.216	ug/L	90
31) Carbon tetrachloride	5.521	117	5033	0.371	ug/L	93
34) Trichloroethene	6.541	95	83745	7.988	ug/L	98
45) 1,1,2-Trichloroethane	8.399	97	2955	0.415	ug/L #	65
47) Tetrachloroethene	8.553	164	39247	5.210	ug/L	97

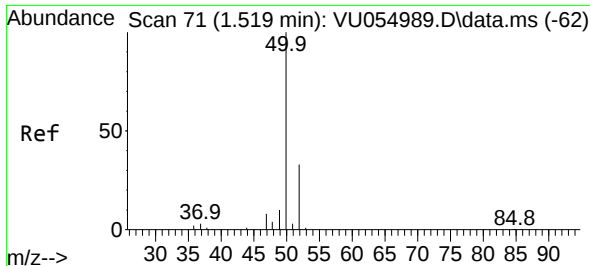
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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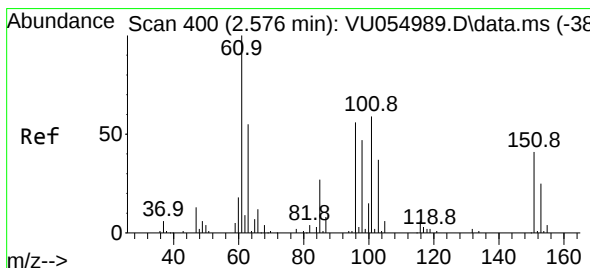
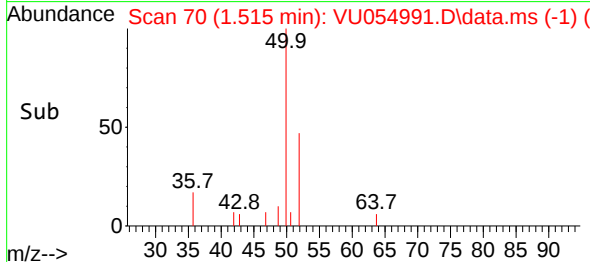
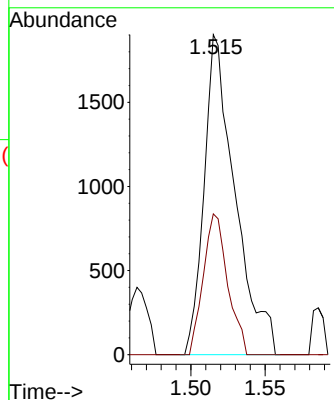
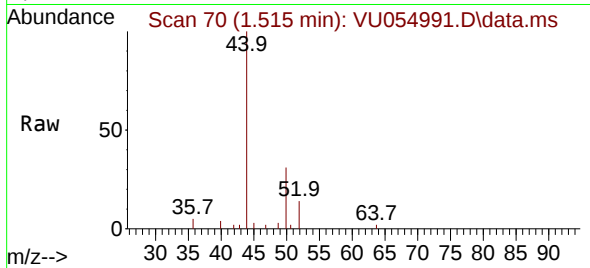




#3
Chloromethane
Concen: 0.258 ug/L
RT: 1.515 min Scan# 71
Delta R.T. -0.004 min
Lab File: VU054991.D
Acq: 30 Aug 2023 11:59

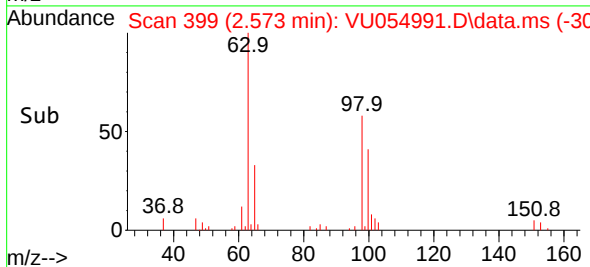
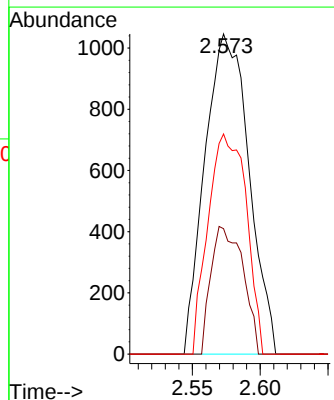
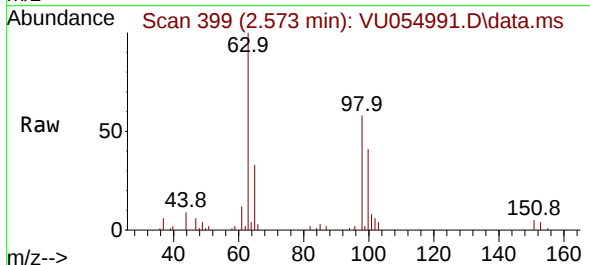
Instrument :
MSVOA_U
ClientSampleId :
BH471

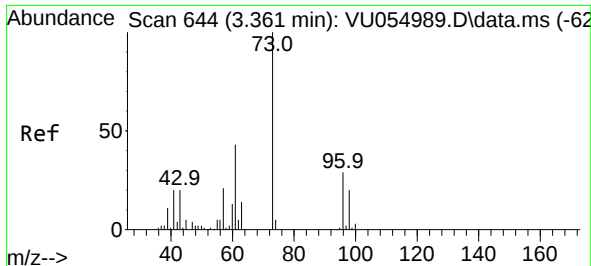
Tgt Ion: 50 Resp: 2750
Ion Ratio Lower Upper
50 100
52 44.0 23.4 43.6#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.276 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.004 min
Lab File: VU054991.D
Acq: 30 Aug 2023 11:59

Tgt Ion: 101 Resp: 2360
Ion Ratio Lower Upper
101 100
85 28.9 38.3 57.5#
151 59.6 51.5 77.3





#17

Methyl tert-butyl Ether

Concen: 0.251 ug/L

RT: 3.361 min Scan# 644

Delta R.T. -0.000 min

Lab File: VU054991.D

Acq: 30 Aug 2023 11:59

Instrument :

MSVOA_U

ClientSampleId :

BH471

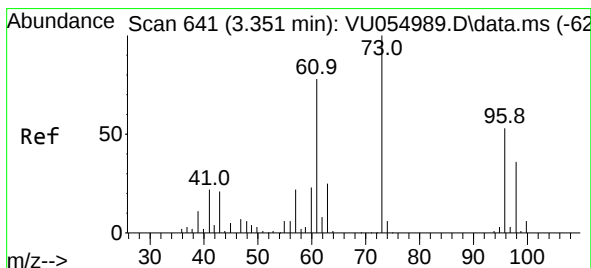
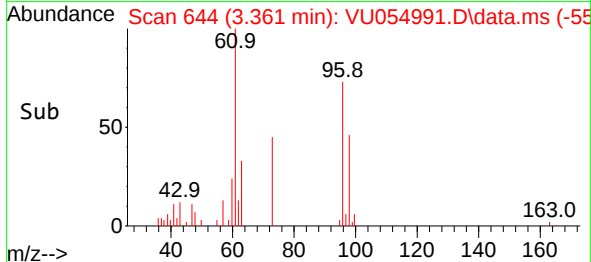
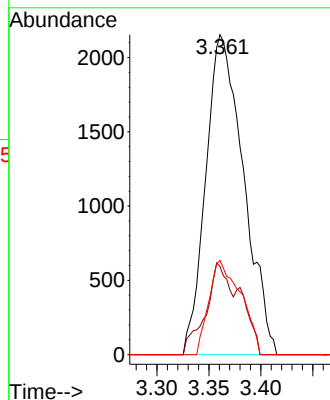
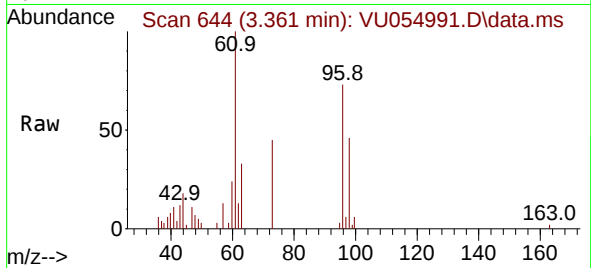
Tgt Ion: 73 Resp: 5447

Ion Ratio Lower Upper

73 100

43 18.4 16.2 24.2

57 24.8 17.4 26.0



#18

trans-1,2-Dichloroethene

Concen: 1.029 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.003 min

Lab File: VU054991.D

Acq: 30 Aug 2023 11:59

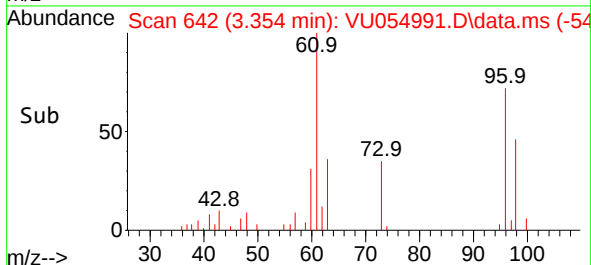
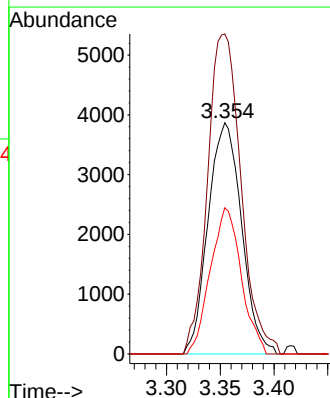
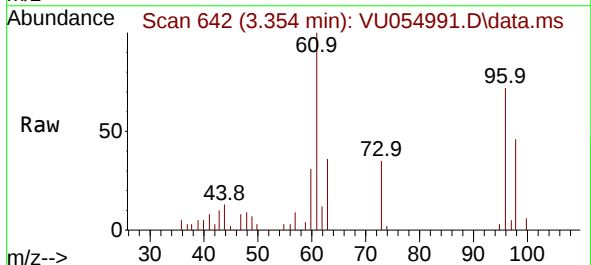
Tgt Ion: 96 Resp: 8376

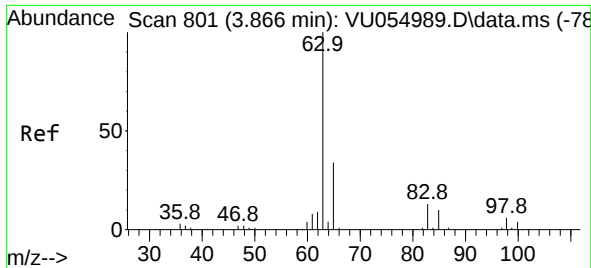
Ion Ratio Lower Upper

96 100

61 138.5 108.8 202.0

98 63.3 45.8 85.2

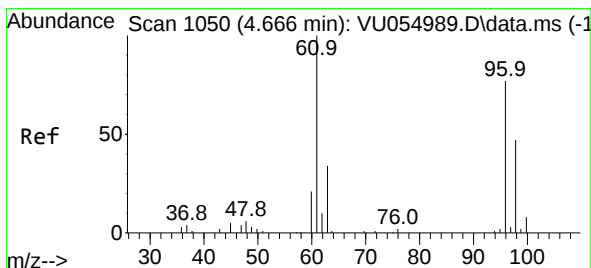
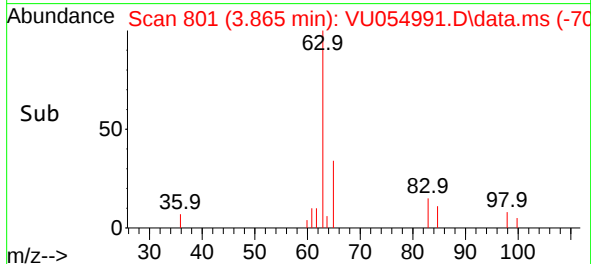
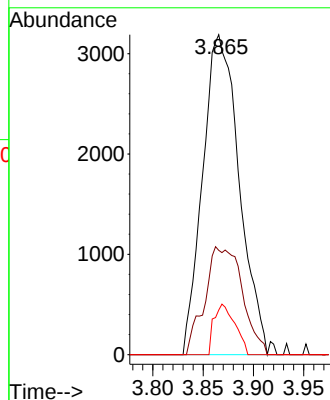
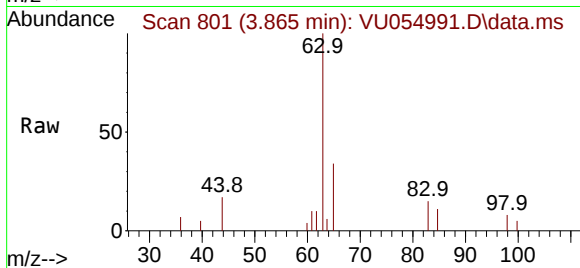




#19
1,1-Dichloroethane
Concen: 0.474 ug/L
RT: 3.865 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU054991.D
Acq: 30 Aug 2023 11:59

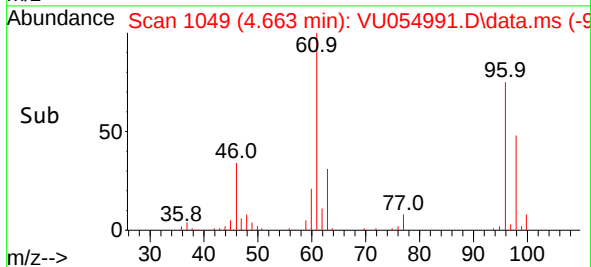
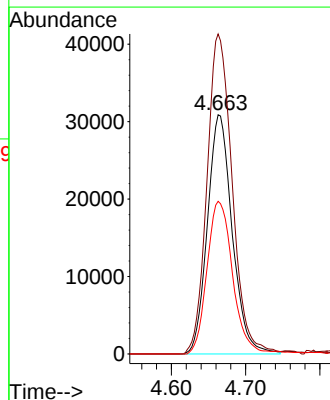
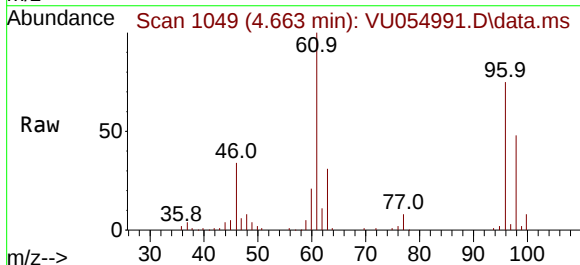
Instrument :
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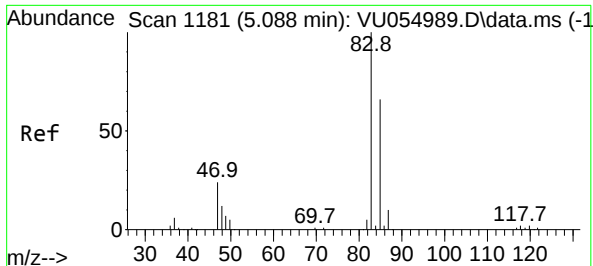
Tgt Ion:	63	Resp:	8087
Ion	Ratio	Lower	Upper
63	100		
65	32.6	22.5	41.7
83	14.0	9.5	17.7



#22
cis-1,2-Dichloroethene
Concen: 7.386 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.004 min
Lab File: VU054991.D
Acq: 30 Aug 2023 11:59

Tgt Ion:	96	Resp:	71679
Ion	Ratio	Lower	Upper
96	100		
61	133.7	88.4	164.2
98	63.8	44.0	81.6





#25

Chloroform

Concen: 1.216 ug/L

RT: 5.087 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VU054991.D

Acq: 30 Aug 2023 11:59

Instrument :

MSVOA_U

ClientSampleId :

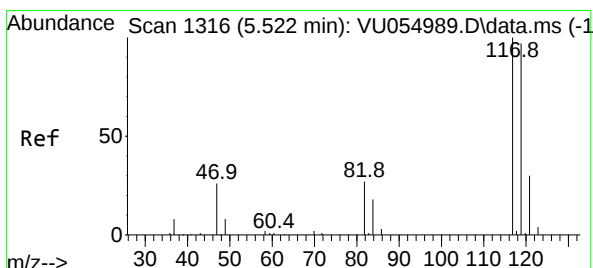
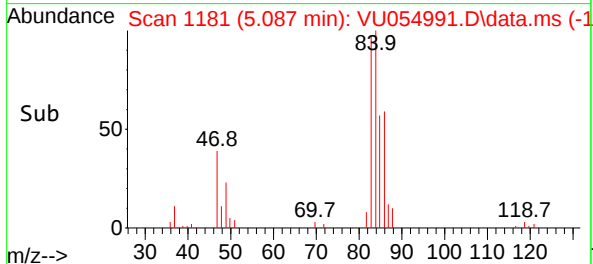
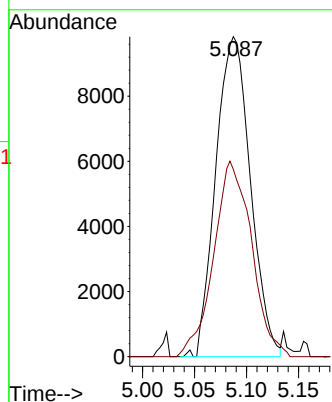
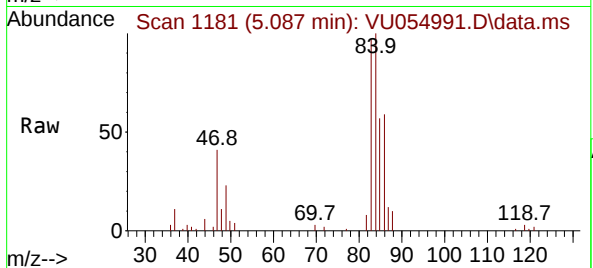
BH471

Tgt Ion: 83 Resp: 22783

Ion Ratio Lower Upper

83 100

85 58.6 46.7 86.7



#31

Carbon tetrachloride

Concen: 0.371 ug/L

RT: 5.521 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VU054991.D

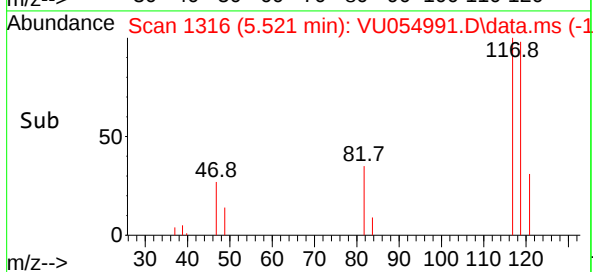
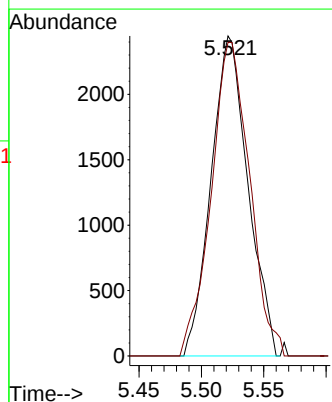
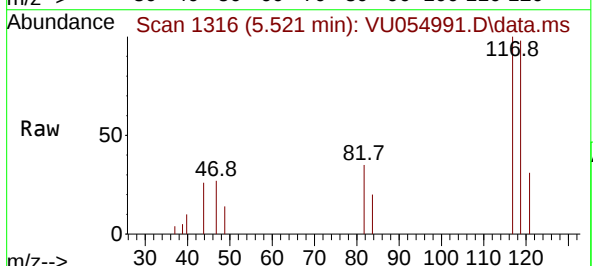
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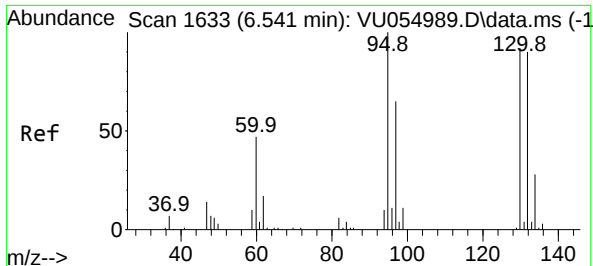
Tgt Ion: 117 Resp: 5033

Ion Ratio Lower Upper

117 100

119 102.2 76.6 115.0





#34

Trichloroethene

Concen: 7.988 ug/L

RT: 6.541 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054991.D

Acq: 30 Aug 2023 11:59

Instrument :

MSVOA_U

ClientSampleId :

BH471

Tgt Ion: 95 Resp: 83745

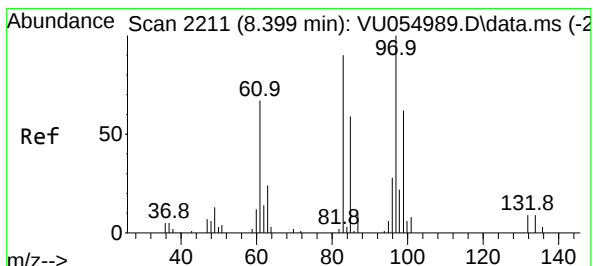
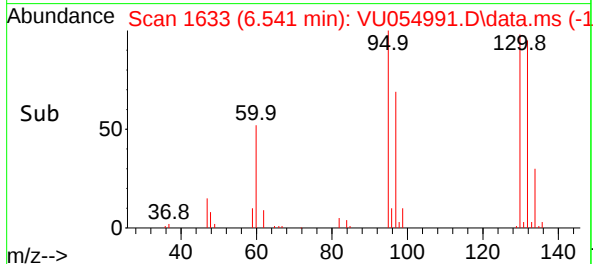
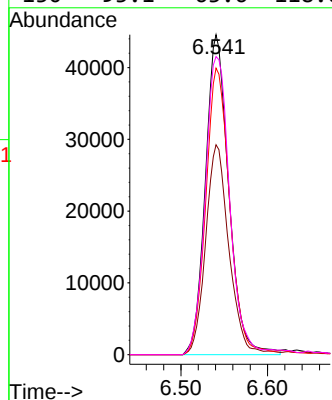
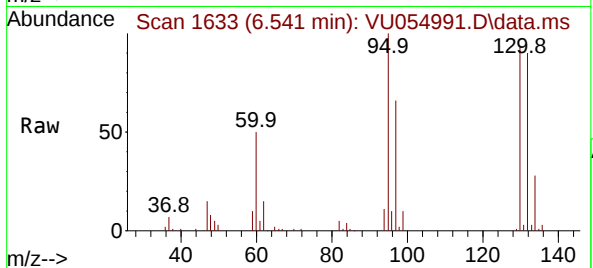
Ion Ratio Lower Upper

95 100

97 65.6 44.1 81.9

132 89.5 63.6 118.2

130 93.1 63.6 118.0



#45

1,1,2-Trichloroethane

Concen: 0.415 ug/L

RT: 8.399 min Scan# 2211

Delta R.T. -0.000 min

Lab File: VU054991.D

Acq: 30 Aug 2023 11:59

Tgt Ion: 97 Resp: 2955

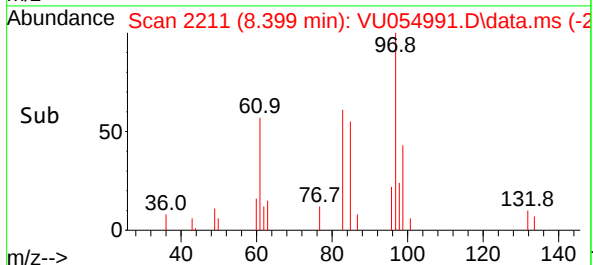
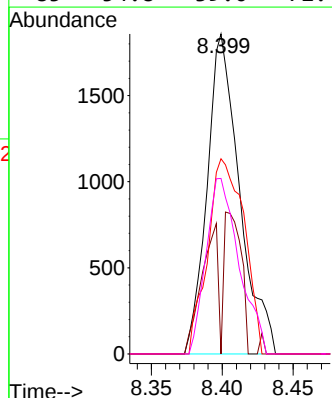
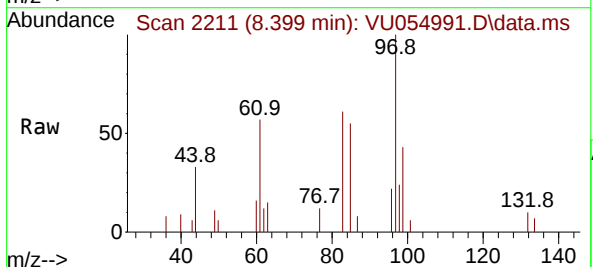
Ion Ratio Lower Upper

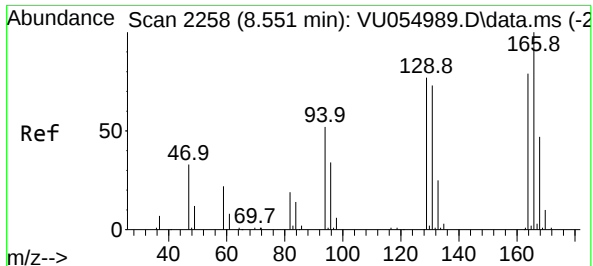
97 100

99 0.0 41.5 77.1#

83 61.0 59.8 111.1

85 54.8 39.0 72.4





#47
 Tetrachloroethene
 Concen: 5.210 ug/L
 RT: 8.553 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VU054991.D
 Acq: 30 Aug 2023 11:59

Instrument :
 MSVOA_U
 ClientSampleId :
 BH471

Tgt Ion:164 Resp: 39247

Ion	Ratio	Lower	Upper
164	100		
129	100.3	72.8	135.2
131	97.4	70.7	131.3
166	134.9	95.9	178.1

