

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
 Data File : VU053868.D
 Acq On : 25 Apr 2023 02:11
 Operator : JC/MD
 Sample : 03433-14 50X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE49

Quant Time: Apr 25 06:23:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 25 06:22:49 2023
 Response via : Initial Calibration

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

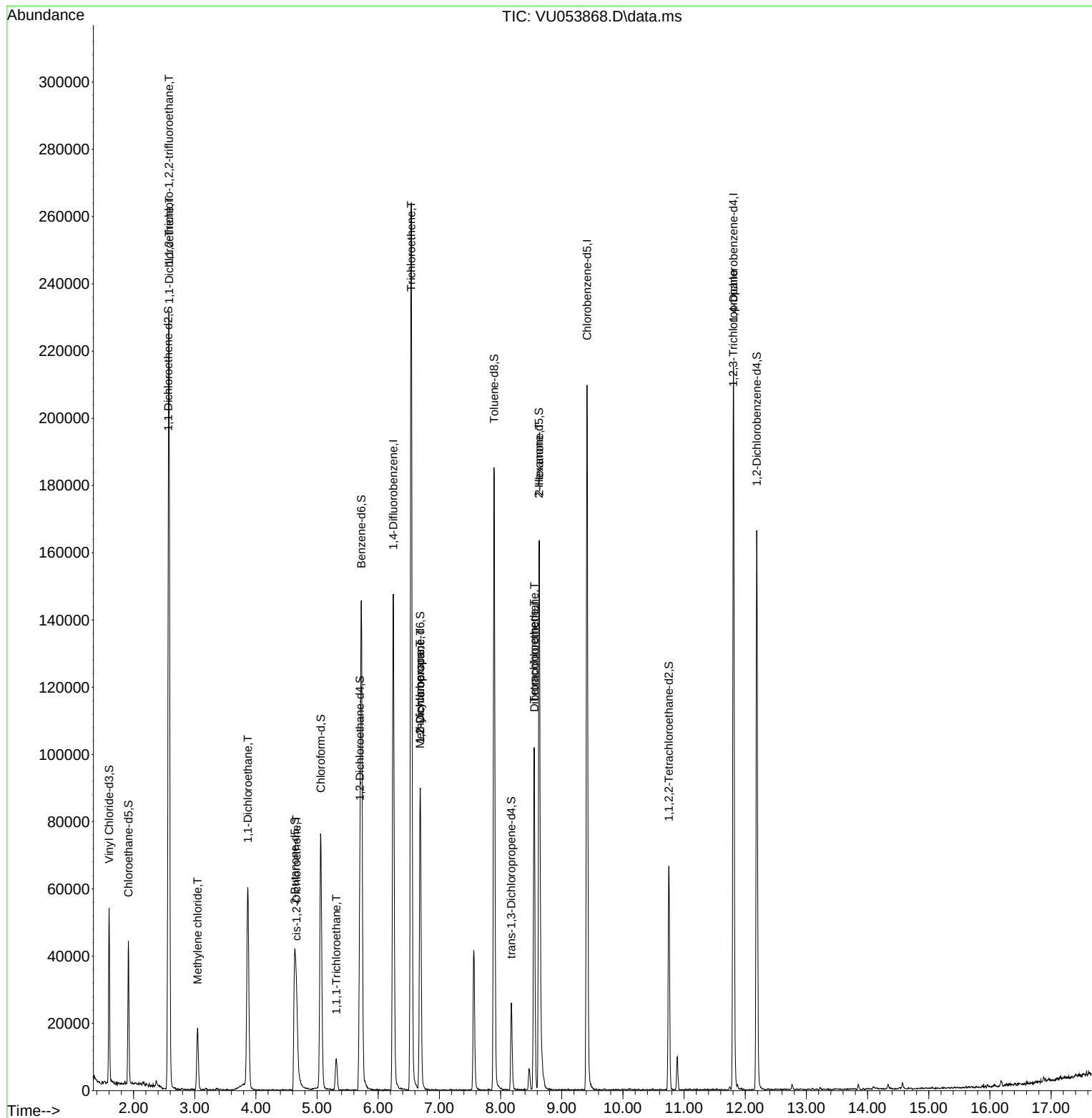
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	129979	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	126866	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	61516	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	37433	4.728	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.600%
7) Chloroethane-d5	1.916	69	31163	4.690	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.800%
11) 1,1-Dichloroethene-d2	2.568	65	15885	4.875	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.600%
20) 2-Butanone-d5	4.636	46	75339	51.956	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.920%
24) Chloroform-d	5.060	84	73392	4.920	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.700	65	35960	5.216	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.400%
32) Benzene-d6	5.726	84	148853	4.981	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
36) 1,2-Dichloropropane-d6	6.687	67	46261	5.116	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.400%
41) Toluene-d8	7.893	98	131734	4.723	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	8.176	79	16122	4.534	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.600%
46) 2-Hexanone-d5	8.629	63	61145	48.589	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.180%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	34361	4.703	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.000%
66) 1,2-Dichlorobenzene-d4	12.188	152	45892	4.651	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	2758	0.298	ug/L #	82
12) 1,1-Dichloroethene	2.581	96	64708	7.915	ug/L	88
16) Methylene chloride	3.047	84	9868	0.884	ug/L	90
19) 1,1-Dichloroethane	3.867	63	69792	4.668	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	7289	0.782	ug/L	84
29) 1,1,1-Trichloroethane	5.314	97	7179	0.503	ug/L	100
34) Trichloroethene	6.539	95	91515	9.391	ug/L	96
35) Methylcyclohexane	6.684	83	10829	0.719	ug/L #	21
37) 1,2-Dichloropropane	6.687	63	4802	0.541	ug/L #	87
47) Tetrachloroethene	8.549	164	23091	2.990	ug/L	97
48) 2-Hexanone	8.632	43	6487	2.132	ug/L #	70
49) Dibromochloromethane	8.552	129	21728	3.086	ug/L #	10
61) 1,2,3-Trichloropropane	11.803	75	7376	1.555	ug/L #	67

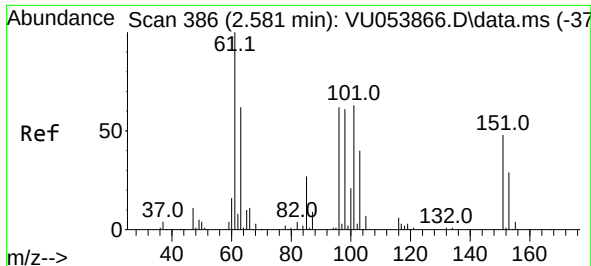
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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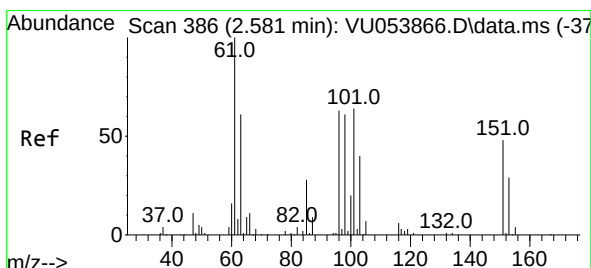
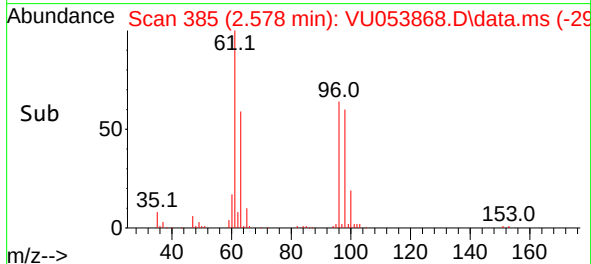
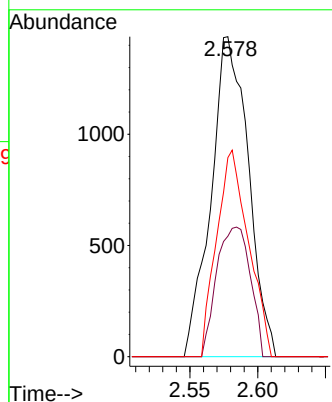
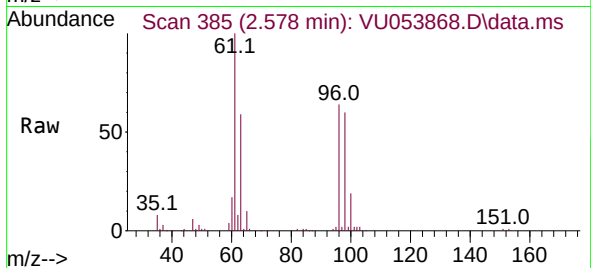




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.298 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU053868.D
 Acq: 25 Apr 2023 02:11

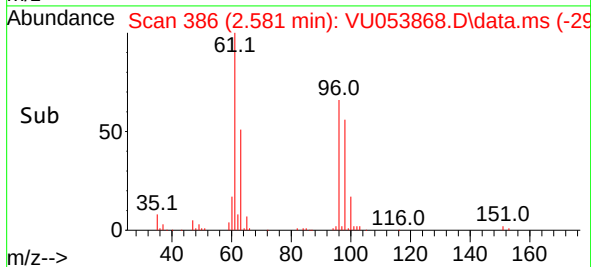
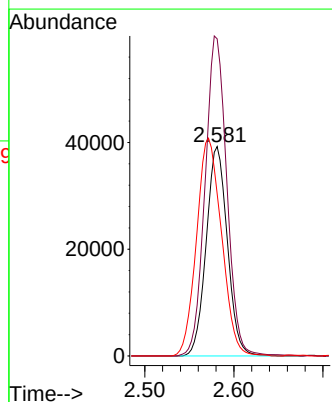
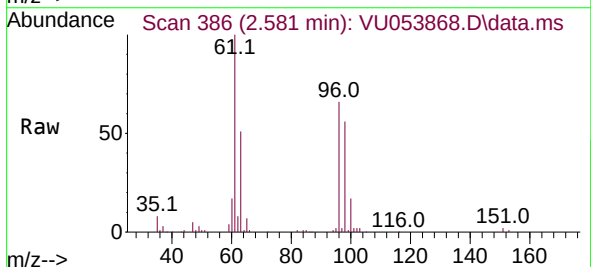
Instrument :
 MSVOA_U
 ClientSampleId :
 BHE49

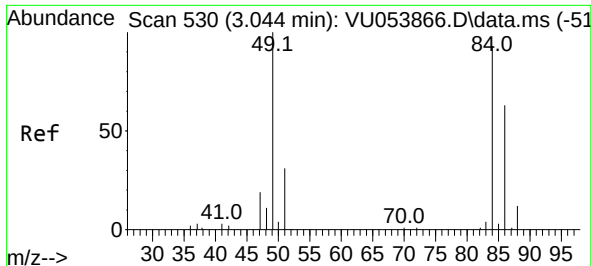
Tgt Ion:101 Resp: 2758
 Ion Ratio Lower Upper
 101 100
 85 36.4 34.7 52.1
 151 55.0 59.1 88.7#



#12
 1,1-Dichloroethene
 Concen: 7.915 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU053868.D
 Acq: 25 Apr 2023 02:11

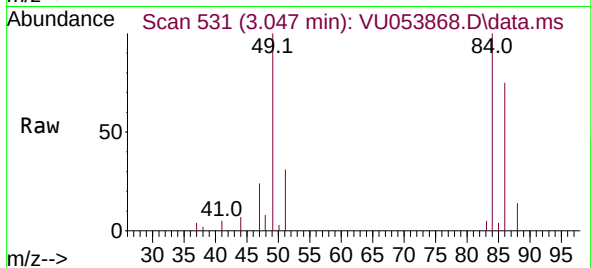
Tgt Ion: 96 Resp: 64708
 Ion Ratio Lower Upper
 96 100
 61 151.5 111.5 207.1
 63 77.5 68.7 127.7



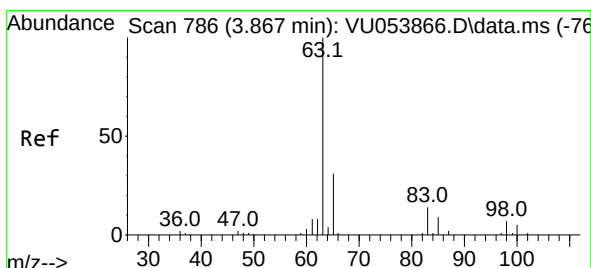
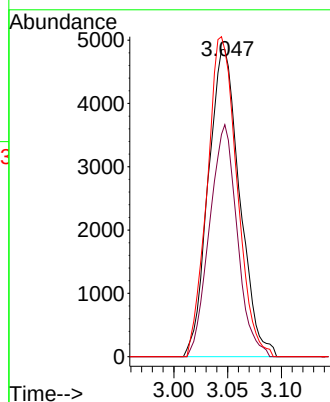
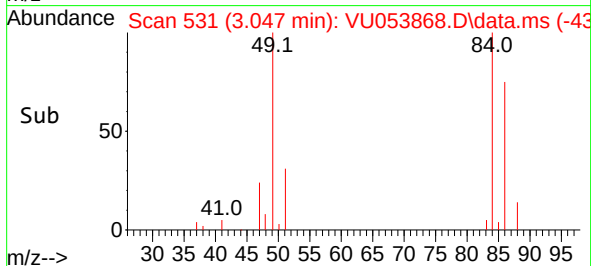


#16
Methylene chloride
Concen: 0.884 ug/L
RT: 3.047 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU053868.D
Acq: 25 Apr 2023 02:11

Instrument :
MSVOA_U
ClientSampleId :
BHE49

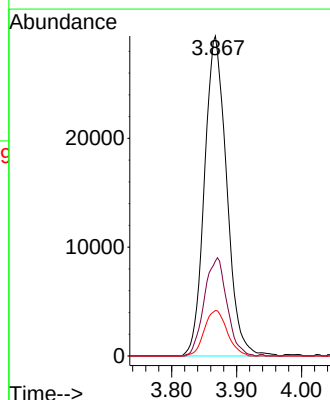
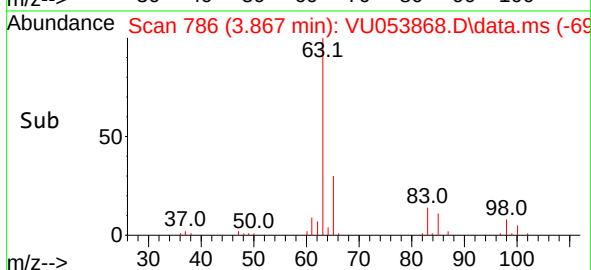
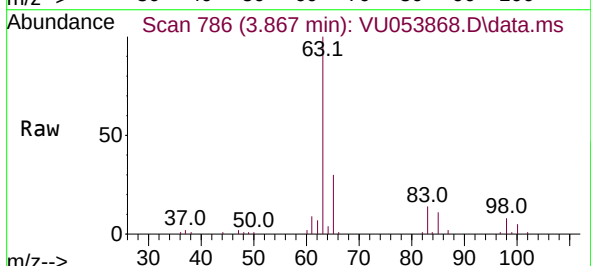


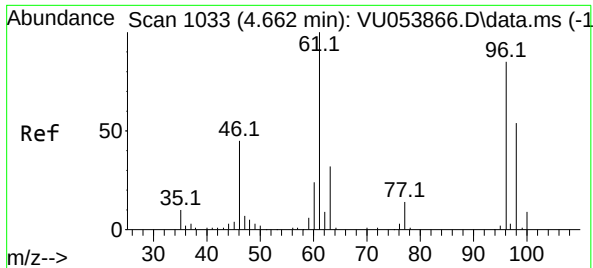
Tgt Ion: 84 Resp: 9868
Ion Ratio Lower Upper
84 100
86 75.5 45.0 83.6
49 99.8 74.8 138.8



#19
1,1-Dichloroethane
Concen: 4.668 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU053868.D
Acq: 25 Apr 2023 02:11

Tgt Ion: 63 Resp: 69792
Ion Ratio Lower Upper
63 100
65 29.7 22.0 40.8
83 14.2 10.3 19.1





#22

cis-1,2-Dichloroethene

Concen: 0.782 ug/L

RT: 4.665 min Scan# 1033

Delta R.T. 0.003 min

Lab File: VU053868.D

Acq: 25 Apr 2023 02:11

Instrument :

MSVOA_U

ClientSampleId :

BHE49

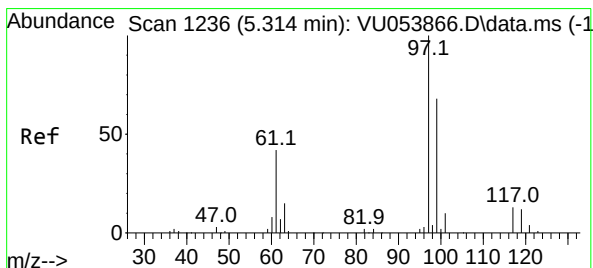
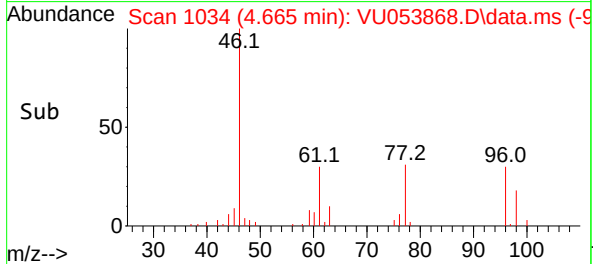
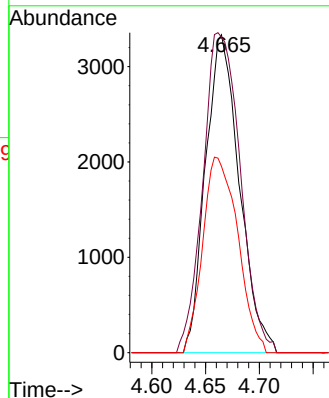
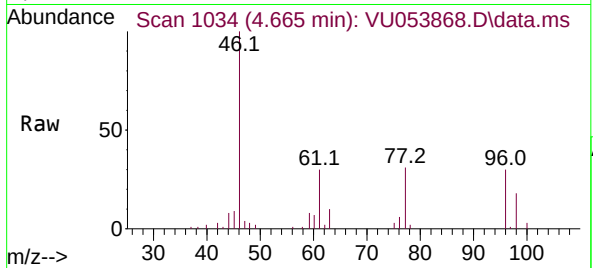
Tgt Ion: 96 Resp: 7289

Ion Ratio Lower Upper

96 100

61 99.3 84.3 156.5

98 58.6 46.4 86.2



#29

1,1,1-Trichloroethane

Concen: 0.503 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU053868.D

Acq: 25 Apr 2023 02:11

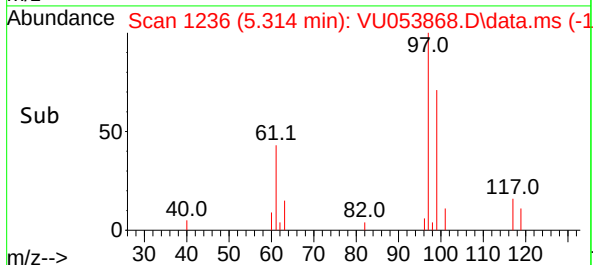
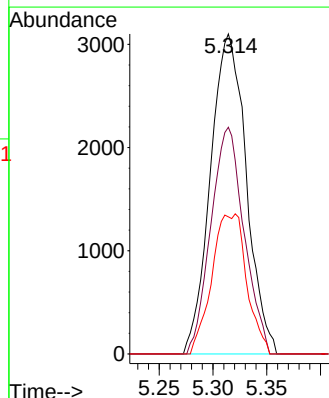
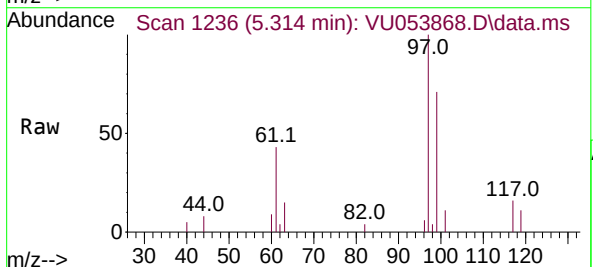
Tgt Ion: 97 Resp: 7179

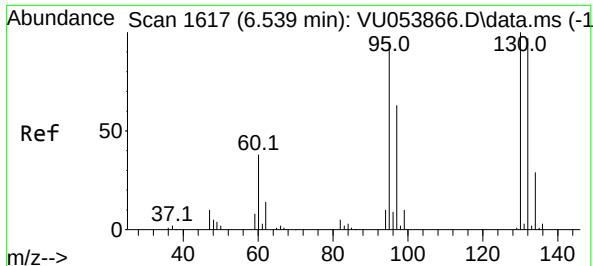
Ion Ratio Lower Upper

97 100

99 65.8 52.9 79.3

61 42.5 33.8 50.8

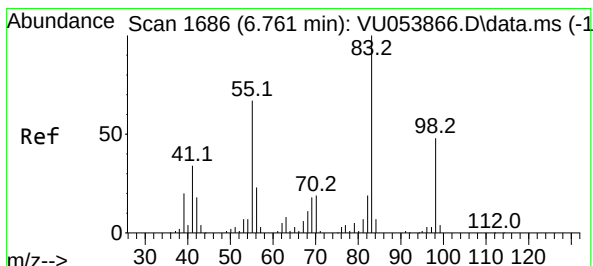
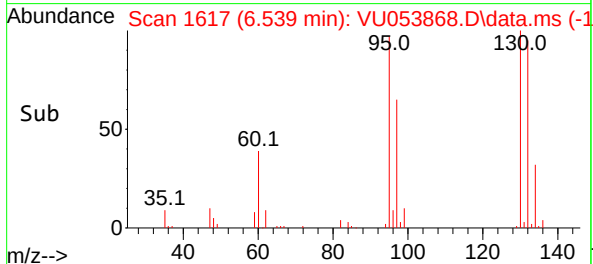
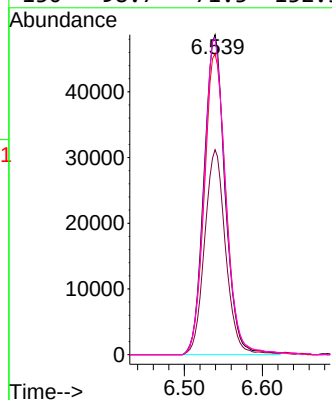
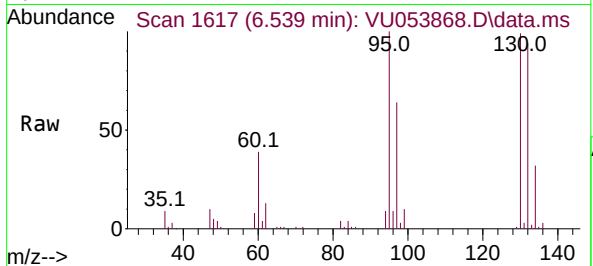




#34
Trichloroethene
Concen: 9.391 ug/L
RT: 6.539 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053868.D
Acq: 25 Apr 2023 02:11

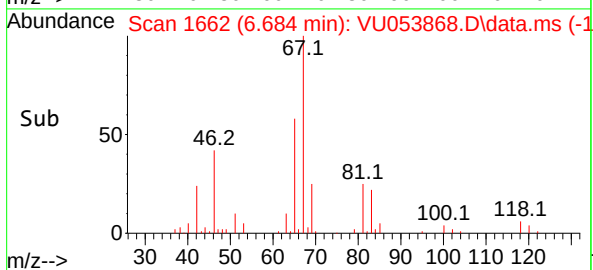
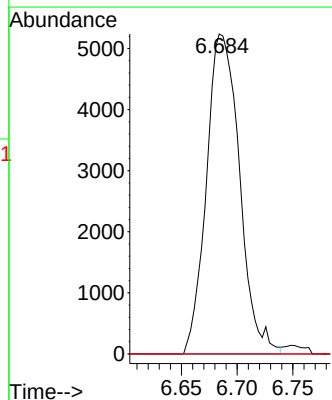
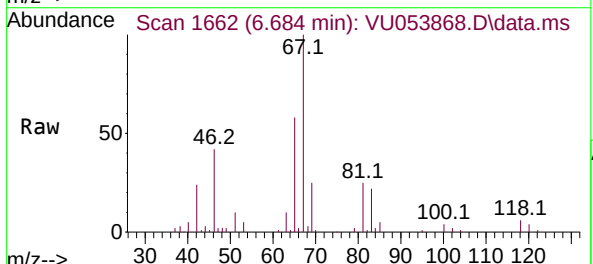
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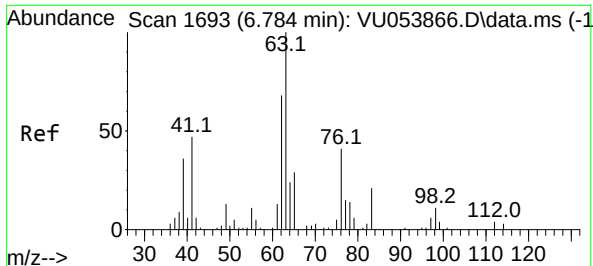
Tgt Ion: 95 Resp: 91515
Ion Ratio Lower Upper
95 100
97 64.0 45.1 83.9
132 94.0 69.9 129.9
130 98.7 71.3 132.3



#35
Methylcyclohexane
Concen: 0.719 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.077 min
Lab File: VU053868.D
Acq: 25 Apr 2023 02:11

Tgt Ion: 83 Resp: 10829
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: 0.541 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.097 min

Lab File: VU053868.D

Acq: 25 Apr 2023 02:11

Instrument :

MSVOA_U

ClientSampleId :

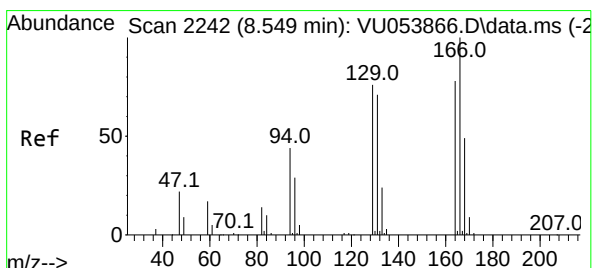
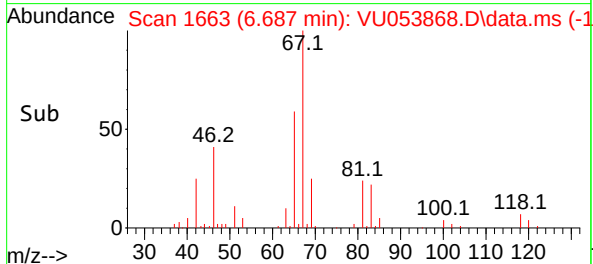
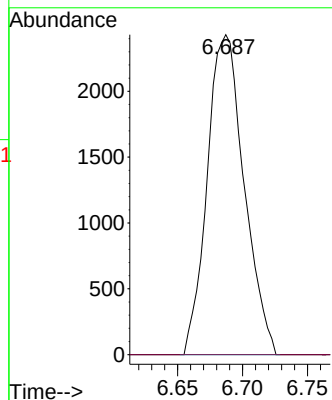
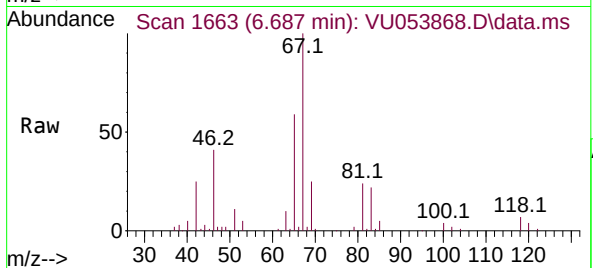
BHE49

Tgt Ion: 63 Resp: 4802

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#47

Tetrachloroethene

Concen: 2.990 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU053868.D

Acq: 25 Apr 2023 02:11

Tgt Ion: 164 Resp: 23091

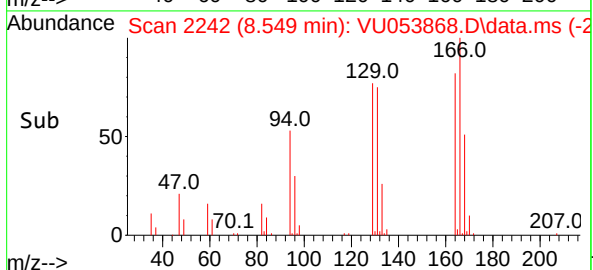
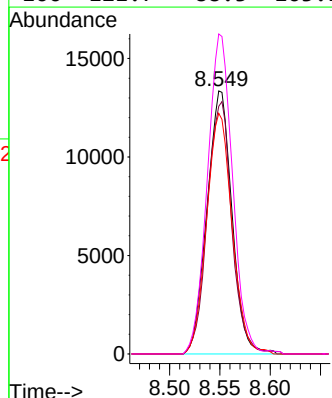
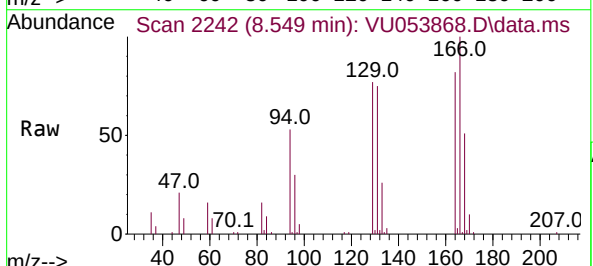
Ion Ratio Lower Upper

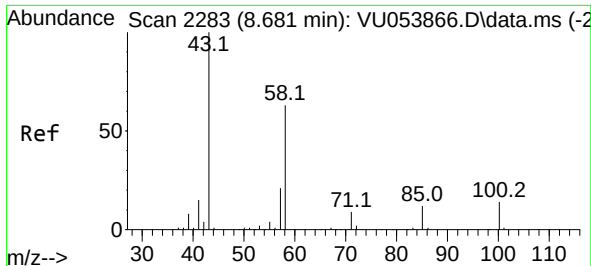
164 100

129 94.2 68.3 126.8

131 91.5 64.4 119.6

166 121.7 88.3 163.9

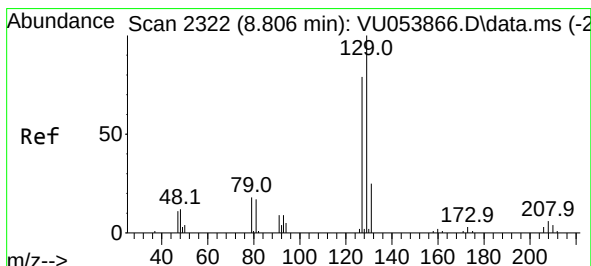
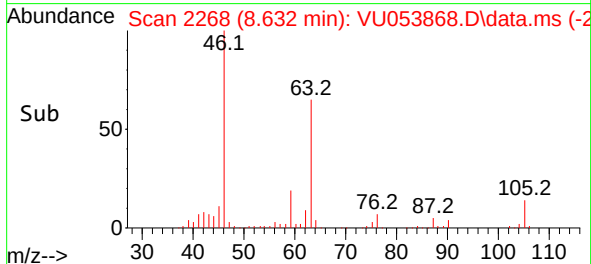
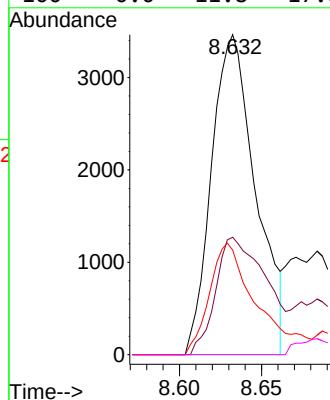
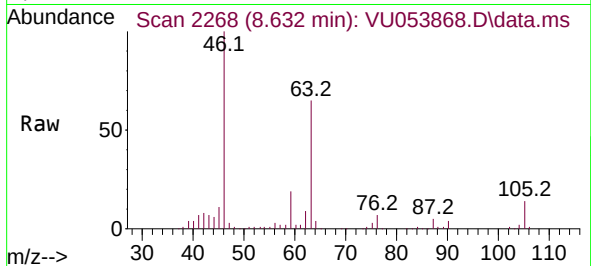




#48
2-Hexanone
Concen: 2.132 ug/L
RT: 8.632 min Scan# 21
Delta R.T. -0.048 min
Lab File: VU053868.D
Acq: 25 Apr 2023 02:11

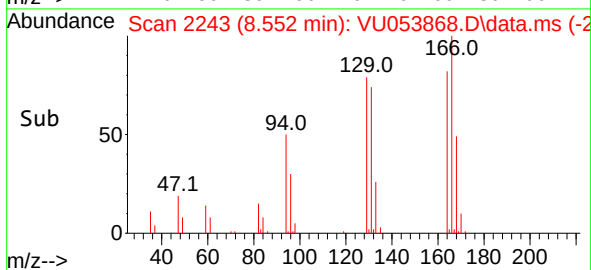
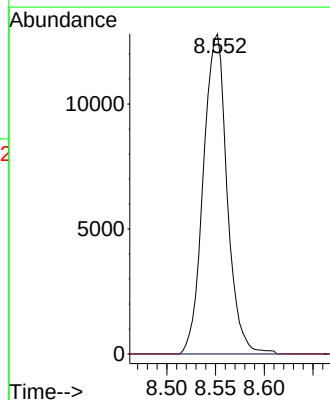
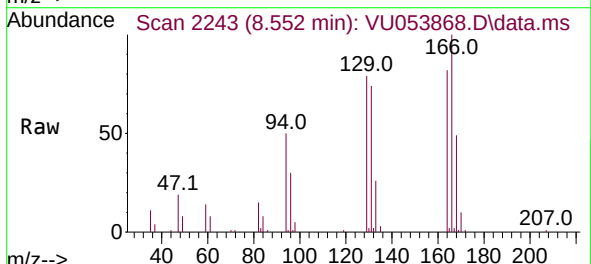
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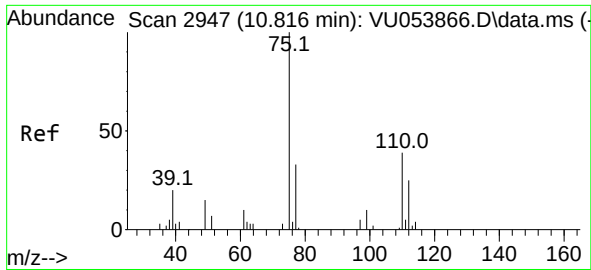
Tgt Ion: 43	Resp: 6487
Ion Ratio	Lower Upper
43 100	
58 42.0	49.8 74.6#
57 37.5	16.9 25.3#
100 0.0	11.8 17.8#



#49
Dibromochloromethane
Concen: 3.086 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.254 min
Lab File: VU053868.D
Acq: 25 Apr 2023 02:11

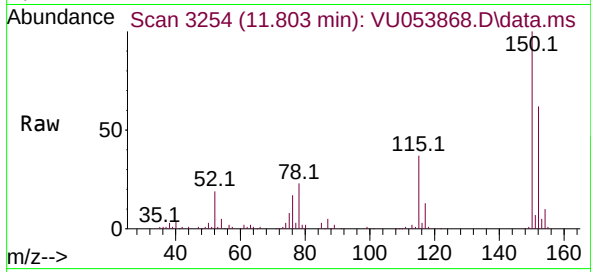
Tgt Ion:129	Resp: 21728		
Ion Ratio	Lower	Upper	
129 100			
127 0.0	55.7	103.5#	





#61
 1,2,3-Trichloropropane
 Concen: 1.555 ug/L
 RT: 11.803 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU053868.D
 Acq: 25 Apr 2023 02:11

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion: 75	Resp:	7376
Ion	Ratio	Lower Upper
75	100	
110	1.7	30.7 46.1#
77	33.7	26.2 39.4

