

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042623\
 Data File : VU053910.D
 Acq On : 26 Apr 2023 13:43
 Operator : JC/MD
 Sample : 02433-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE40

Quant Time: Apr 27 05:55:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 27 05:52:18 2023
 Response via : Initial Calibration

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

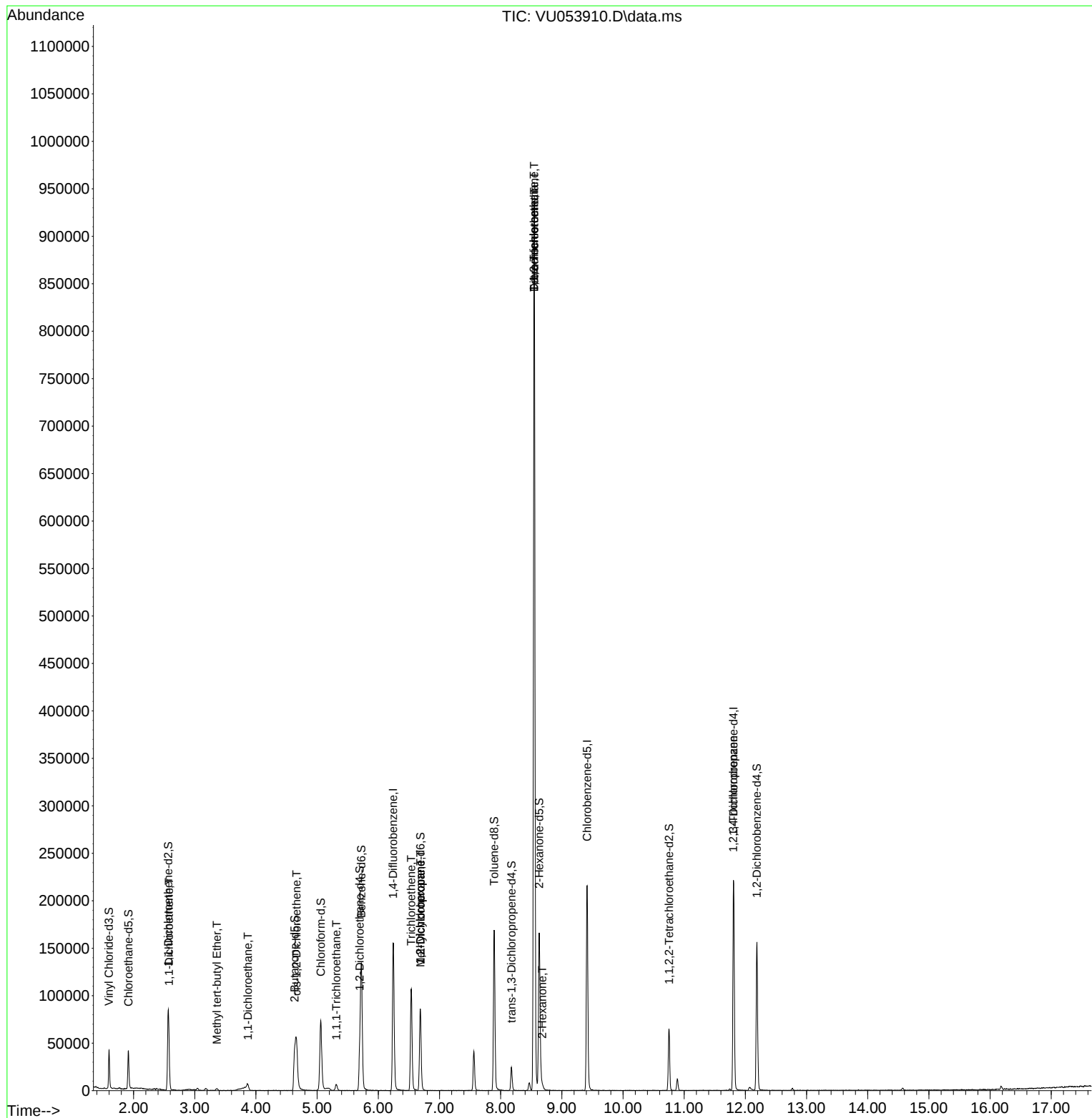
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	135676	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	132132	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	63583	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	31257	3.782	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.600%
7) Chloroethane-d5	1.916	69	29229	4.214	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.200%
11) 1,1-Dichloroethene-d2	2.565	65	13237	3.892	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.800%
20) 2-Butanone-d5	4.633	46	73187	48.353	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.700%
24) Chloroform-d	5.060	84	68274	4.384	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.600%
26) 1,2-Dichloroethane-d4	5.697	65	32441	4.508	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
32) Benzene-d6	5.723	84	133718	4.296	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.000%
36) 1,2-Dichloropropane-d6	6.687	67	42948	4.561	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.893	98	121466	4.181	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.600%
43) trans-1,3-Dichloroprop...	8.176	79	14965	4.041	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.800%
46) 2-Hexanone-d5	8.629	63	61751	47.115	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.220%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	31821	4.181	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.600%
66) 1,2-Dichlorobenzene-d4	12.189	152	43545	4.270	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.400%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	8000	0.937	ug/L #	1
17) Methyl tert-butyl Ether	3.363	73	2197	0.119	ug/L #	72
19) 1,1-Dichloroethane	3.867	63	5032	0.322	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	20967	2.155	ug/L	96
29) 1,1,1-Trichloroethane	5.314	97	5074	0.342	ug/L #	80
34) Trichloroethene	6.536	95	37120	3.657	ug/L	96
35) Methylcyclohexane	6.690	83	10520	0.671	ug/L #	21
37) 1,2-Dichloropropane	6.687	63	4589	0.497	ug/L #	87
45) 1,1,2-Trichloroethane	8.546	97	1764	0.255	ug/L #	1
47) Tetrachloroethene	8.549	164	208009	25.858	ug/L	99
48) 2-Hexanone	8.681	43	2077	0.656	ug/L #	57
49) Dibromochloromethane	8.549	129	203547	27.756	ug/L #	10
61) 1,2,3-Trichloropropane	11.803	75	7092	1.446	ug/L #	66

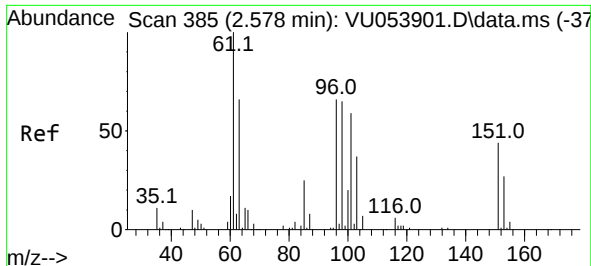
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.937 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU053910.D

Acq: 26 Apr 2023 13:43

Instrument :

MSVOA_U

ClientSampleId :

BHE40

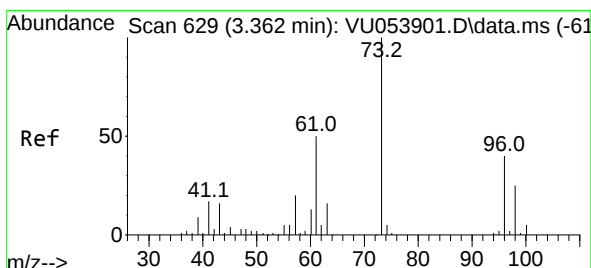
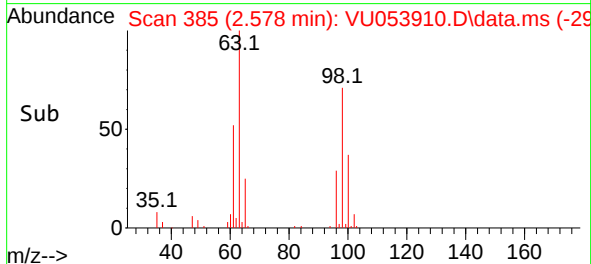
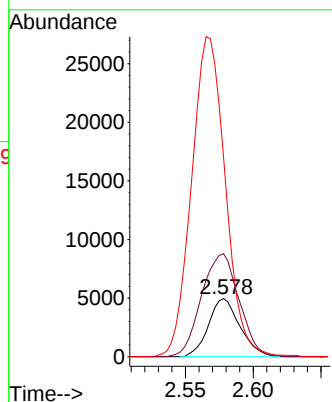
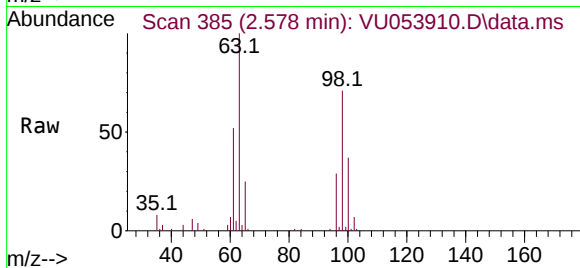
Tgt Ion: 96 Resp: 8000

Ion Ratio Lower Upper

96 100

61 177.1 111.5 207.1

63 343.4 68.7 127.7#



#17

Methyl tert-butyl Ether

Concen: 0.119 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU053910.D

Acq: 26 Apr 2023 13:43

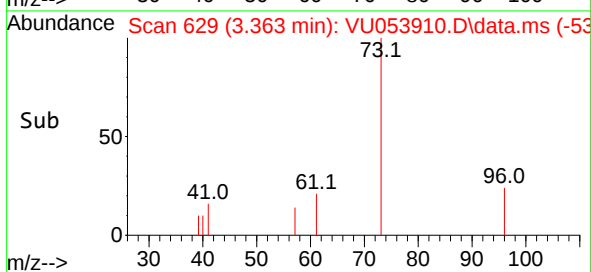
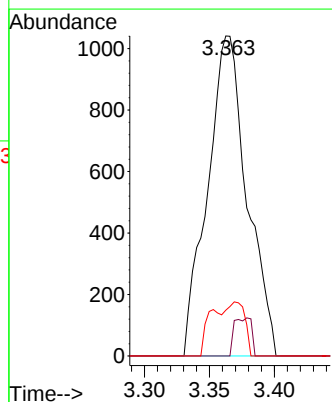
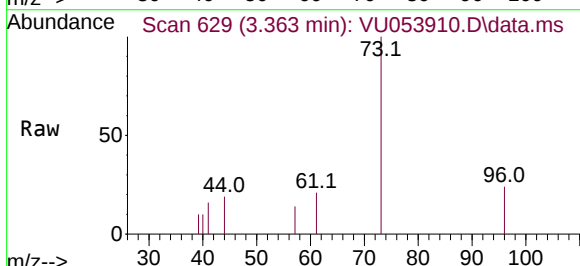
Tgt Ion: 73 Resp: 2197

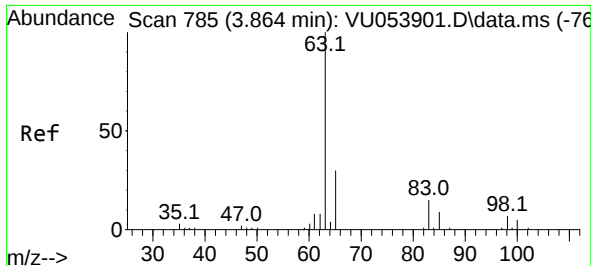
Ion Ratio Lower Upper

73 100

43 5.2 13.4 20.2#

57 8.1 17.2 25.8#





#19

1,1-Dichloroethane

Concen: 0.322 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU053910.D

Acq: 26 Apr 2023 13:43

Instrument :

MSVOA_U

ClientSampleId :

BHE40

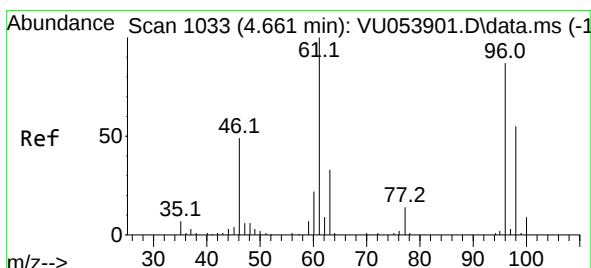
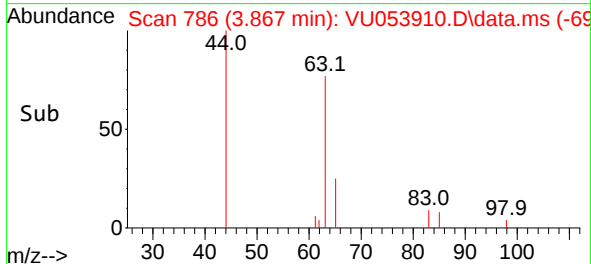
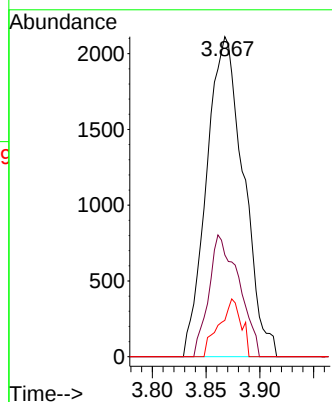
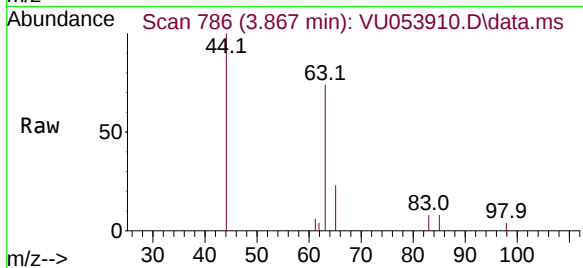
Tgt Ion: 63 Resp: 5032

Ion Ratio Lower Upper

63 100

65 31.8 22.0 40.8

83 11.4 10.3 19.1



#22

cis-1,2-Dichloroethene

Concen: 2.155 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU053910.D

Acq: 26 Apr 2023 13:43

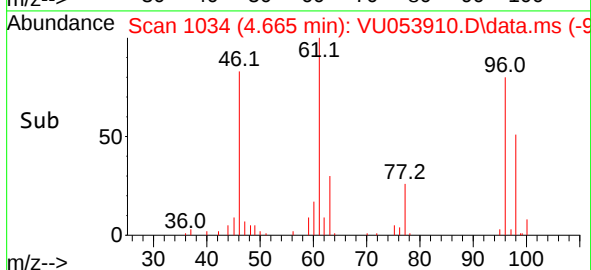
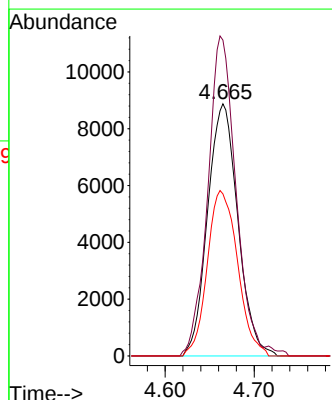
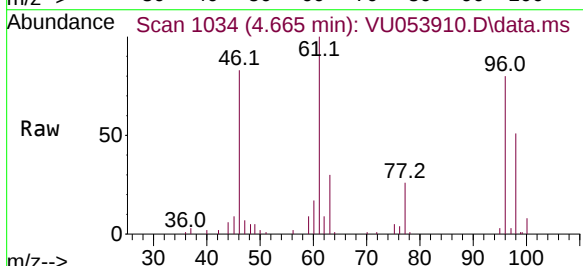
Tgt Ion: 96 Resp: 20967

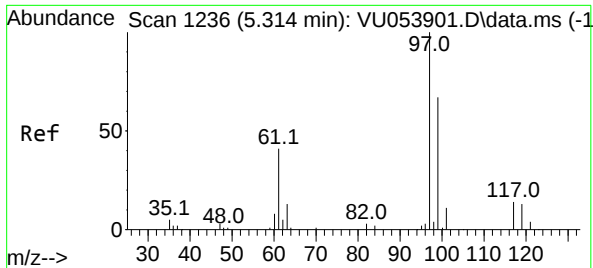
Ion Ratio Lower Upper

96 100

61 125.2 84.3 156.5

98 64.3 46.4 86.2

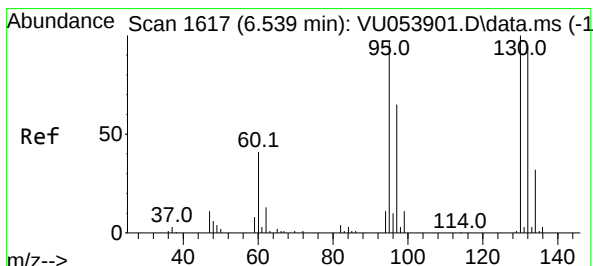
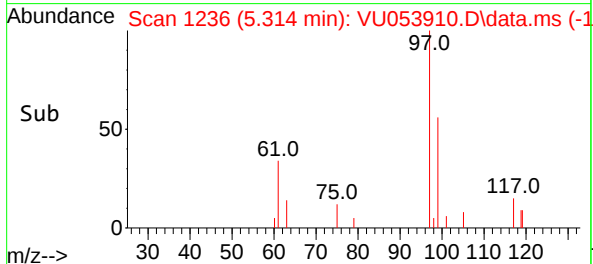
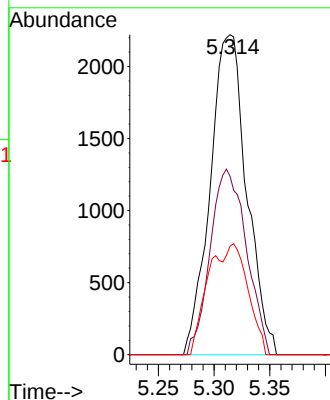
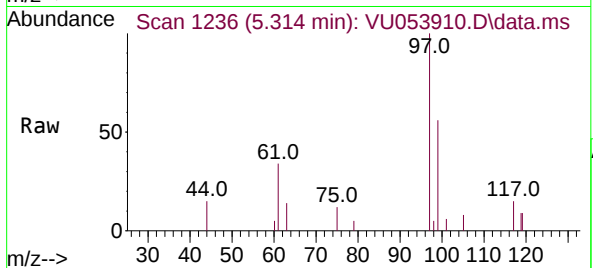




#29
1,1,1-Trichloroethane
Concen: 0.342 ug/L
RT: 5.314 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053910.D
Acq: 26 Apr 2023 13:43

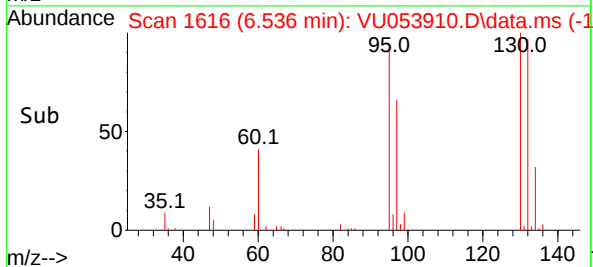
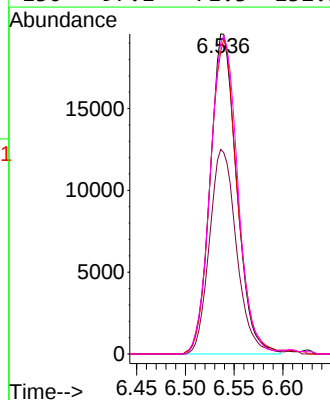
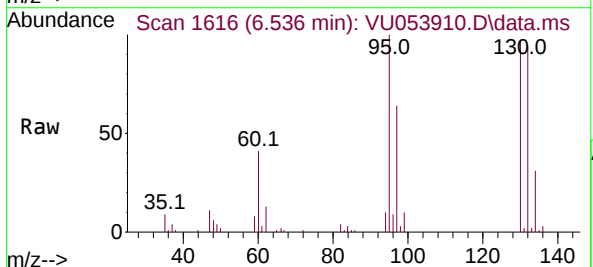
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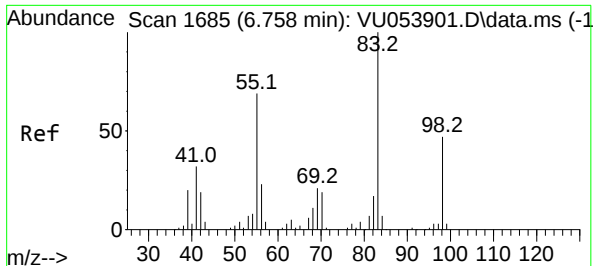
Tgt Ion: 97	Resp:	5074	
Ion	Ratio	Lower	Upper
97	100		
99	57.4	52.9	79.3
61	21.1	33.8	50.8#



#34
Trichloroethene
Concen: 3.657 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053910.D
Acq: 26 Apr 2023 13:43

Tgt Ion: 95	Resp: 37120
Ion Ratio	Lower Upper
95 100	
97 63.9	45.1 83.9
132 94.4	69.9 129.9
130 97.1	71.3 132.3





#35

Methylcyclohexane

Concen: 0.671 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.067 min

Lab File: VU053910.D

Acq: 26 Apr 2023 13:43

Instrument :

MSVOA_U

ClientSampleId :

BHE40

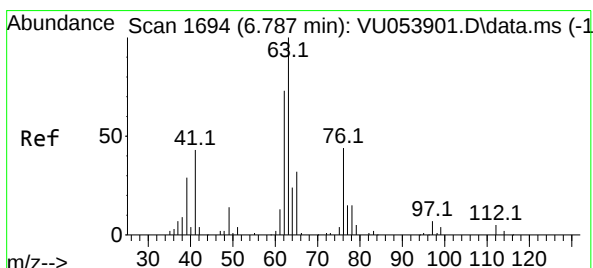
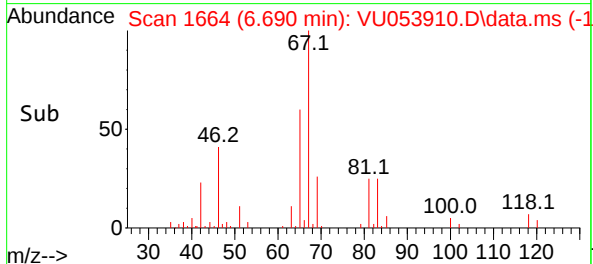
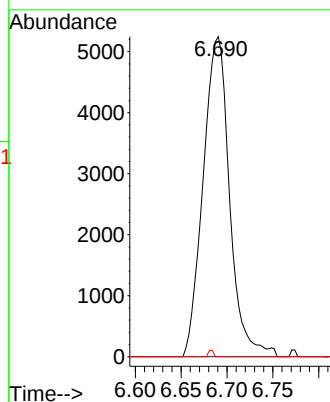
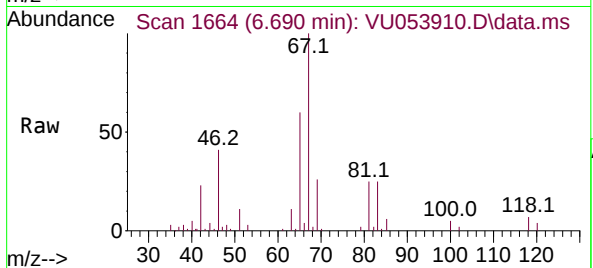
Tgt Ion: 83 Resp: 10520

Ion Ratio Lower Upper

83 100

55 0.0 55.4 83.2#

98 0.4 37.3 55.9#



#37

1,2-Dichloropropane

Concen: 0.497 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.100 min

Lab File: VU053910.D

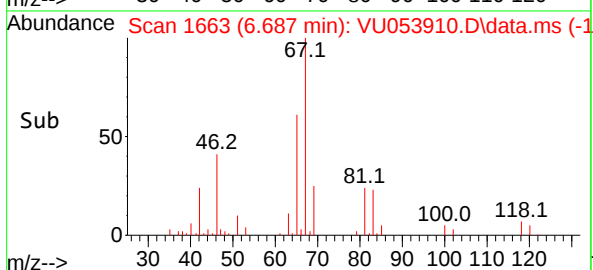
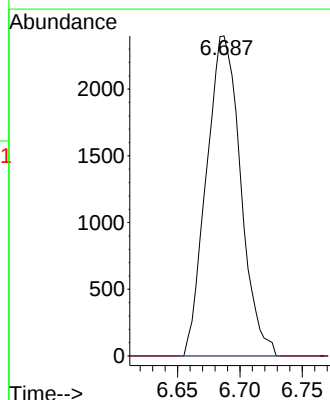
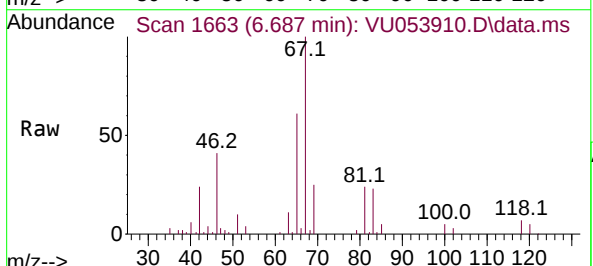
Acq: 26 Apr 2023 13:43

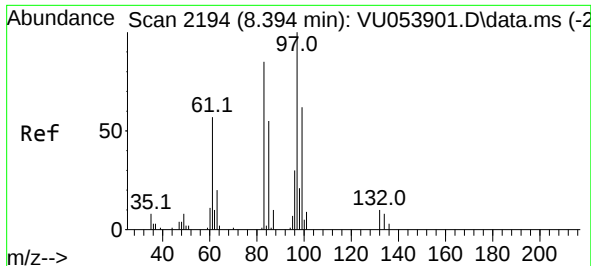
Tgt Ion: 63 Resp: 4589

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#

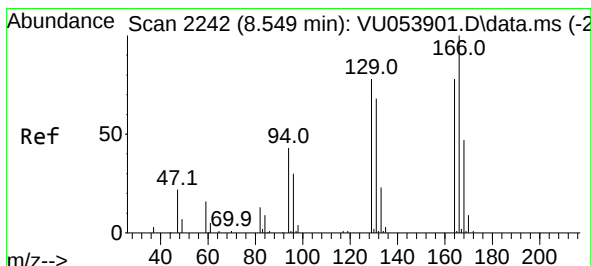
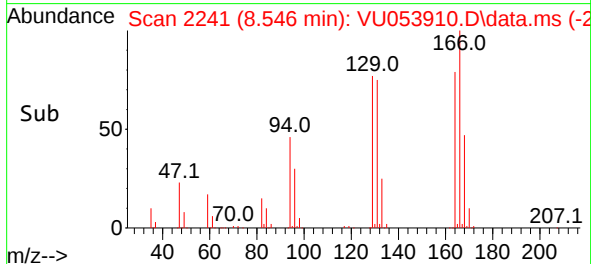
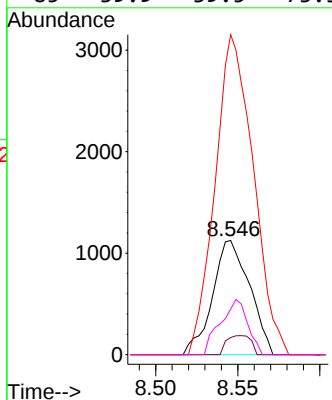
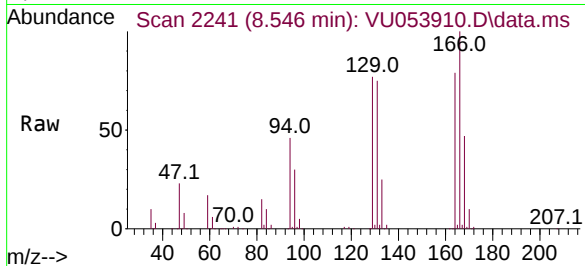




#45
1,1,2-Trichloroethane
Concen: 0.255 ug/L
RT: 8.546 min Scan# 2194
Delta R.T. 0.151 min
Lab File: VU053910.D
Acq: 26 Apr 2023 13:43

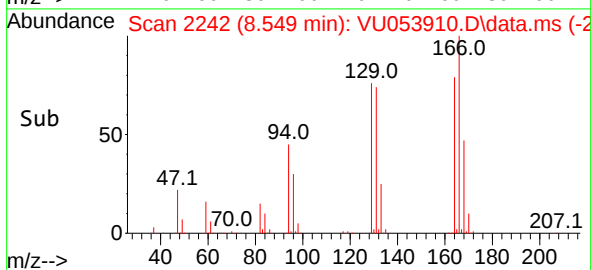
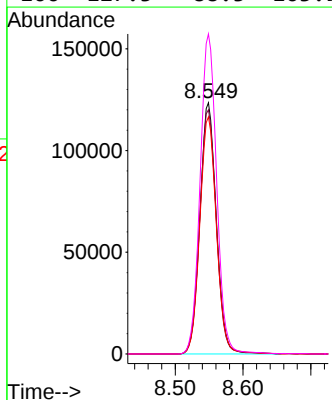
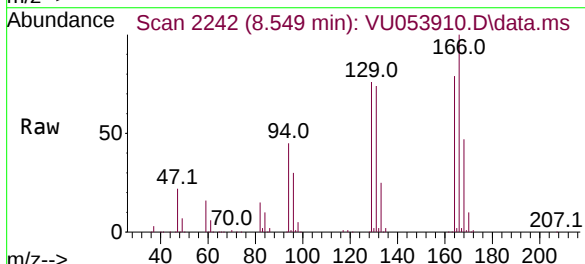
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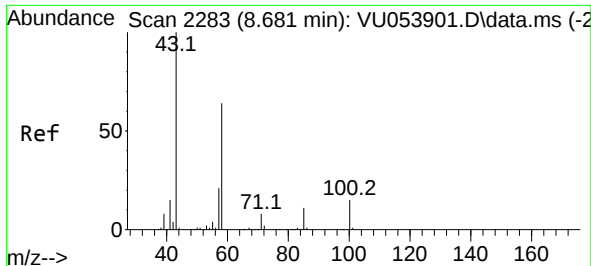
Tgt Ion:	97	Resp:	1764
Ion	Ratio	Lower	Upper
97	100		
99	14.9	44.7	83.1#
83	280.3	59.8	111.1#
85	39.9	39.5	73.3



#47
Tetrachloroethene
Concen: 25.858 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053910.D
Acq: 26 Apr 2023 13:43

Tgt Ion:	164	Resp:	208009
Ion	Ratio	Lower	Upper
164	100		
129	97.2	68.3	126.8
131	94.4	64.4	119.6
166	127.3	88.3	163.9

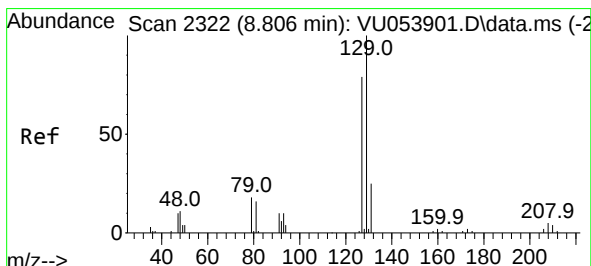
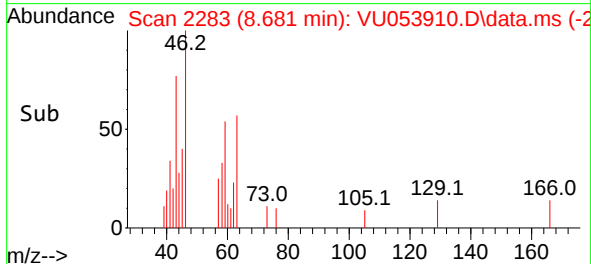
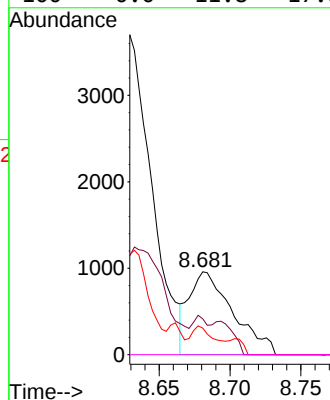
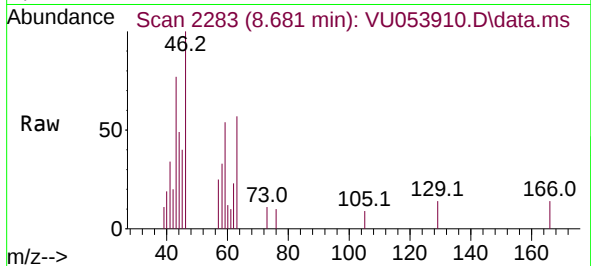




#48
2-Hexanone
Concen: 0.656 ug/L
RT: 8.681 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU053910.D
Acq: 26 Apr 2023 13:43

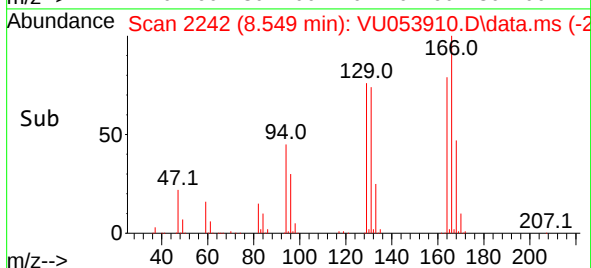
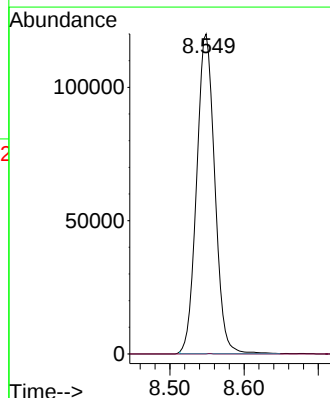
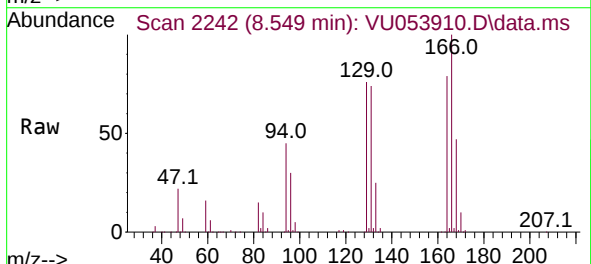
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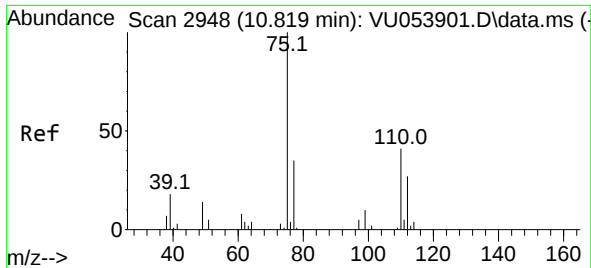
Tgt Ion: 43	Resp: 2077
Ion Ratio	Lower Upper
43 100	
58 17.9	49.8 74.6#
57 18.8	16.9 25.3
100 0.0	11.8 17.8#



#49
Dibromochloromethane
Concen: 27.756 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.257 min
Lab File: VU053910.D
Acq: 26 Apr 2023 13:43

Tgt Ion:129	Resp:	203547	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.7	103.5#





#61
 1,2,3-Trichloropropane
 Concen: 1.446 ug/L
 RT: 11.803 min Scan# 31
 Delta R.T. 0.984 min
 Lab File: VU053910.D
 Acq: 26 Apr 2023 13:43

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE40

Tgt Ion: 75 Resp: 7092
 Ion Ratio Lower Upper
 75 100
 110 1.0 30.7 46.1#
 77 32.2 26.2 39.4

