

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083123\
 Data File : VU055030.D
 Acq On : 31 Aug 2023 18:53
 Operator : MD/SY
 Sample : 04153-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 01 05:03:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 01 04:57:47 2023
 Response via : Initial Calibration

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

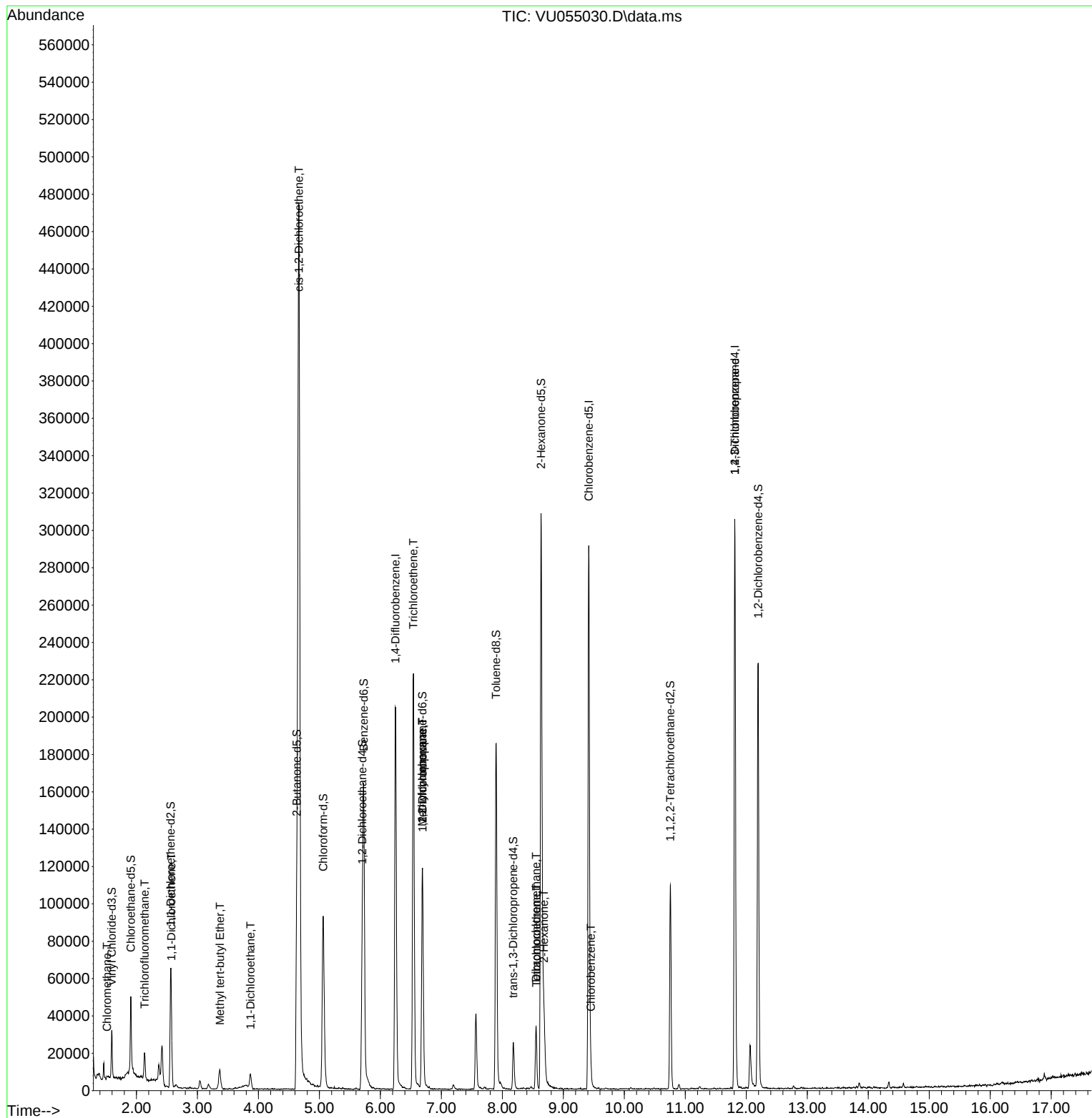
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	166284	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	159508	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	76844	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	17586	3.351	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.000%
7) Chloroethane-d5	1.908	69	27039	3.988	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.800%
11) 1,1-Dichloroethene-d2	2.560	65	10848	3.657	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.200%
20) 2-Butanone-d5	4.628	46	164850	58.190	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.380%
24) Chloroform-d	5.062	84	82910	4.259	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.200%
26) 1,2-Dichloroethane-d4	5.702	65	48564	4.688	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	5.727	84	149755	4.177	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.600%
36) 1,2-Dichloropropane-d6	6.689	67	57446	4.555	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.898	98	125321	3.650	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.000%
43) trans-1,3-Dichloroprop...	8.177	79	14356	3.459	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.200%
46) 2-Hexanone-d5	8.634	63	97500	49.499	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.000%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	52334	4.840	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.800%
66) 1,2-Dichlorobenzene-d4	12.193	152	57312	4.671	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.400%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	1428	0.133	ug/L #	82
9) Trichlorofluoromethane	2.133	101	7846	0.494	ug/L	96
12) 1,1-Dichloroethene	2.573	96	4298	0.572	ug/L #	1
17) Methyl tert-butyl Ether	3.367	73	10654	0.488	ug/L #	94
19) 1,1-Dichloroethane	3.869	63	9002	0.523	ug/L	90
22) cis-1,2-Dichloroethene	4.663	96	228137	23.321	ug/L	95
34) Trichloroethene	6.541	95	75874	7.276	ug/L	97
35) Methylcyclohexane	6.685	83	12811	0.830	ug/L #	18
37) 1,2-Dichloropropane	6.692	63	6315	0.602	ug/L #	90
47) Tetrachloroethene	8.557	164	7220	0.964	ug/L	98
48) 2-Hexanone	8.682	43	17109	3.950	ug/L #	94
49) Dibromochloromethane	8.554	129	6962	0.849	ug/L #	6
51) Chlorobenzene	9.451	112	3698	0.136	ug/L	94
61) 1,2,3-Trichloropropane	11.811	75	11075	1.936	ug/L #	69

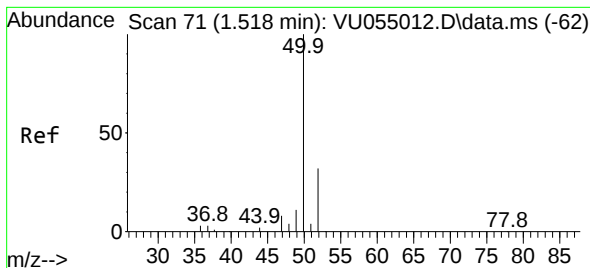
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.133 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.003 min

Lab File: VU055030.D

Acq: 31 Aug 2023 18:53

Instrument :

MSVOA_U

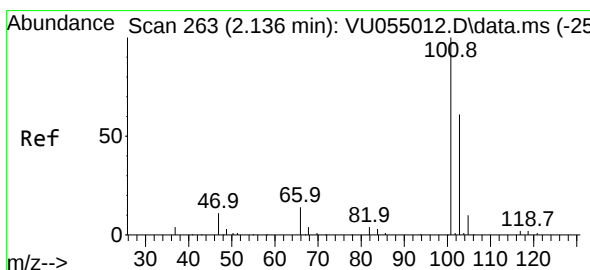
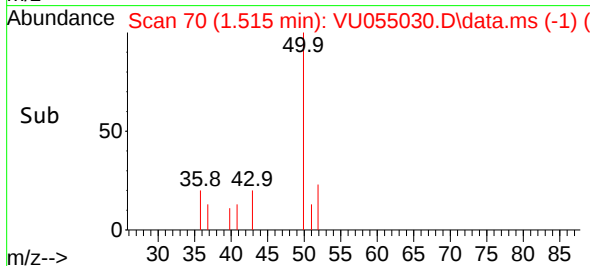
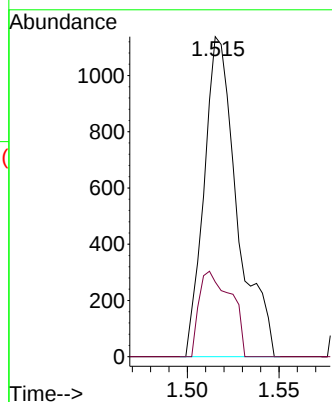
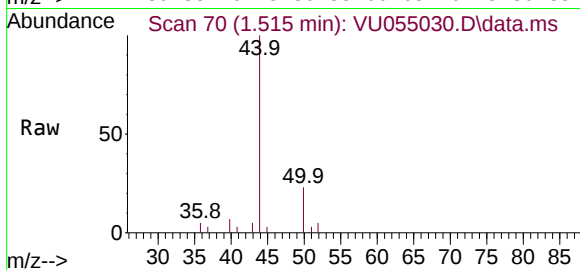
ClientSampleId :

Tgt Ion: 50 Resp: 1428

Ion Ratio Lower Upper

50 100

52 23.4 23.4 43.6#



#9

Trichlorofluoromethane

Concen: 0.494 ug/L

RT: 2.133 min Scan# 262

Delta R.T. -0.003 min

Lab File: VU055030.D

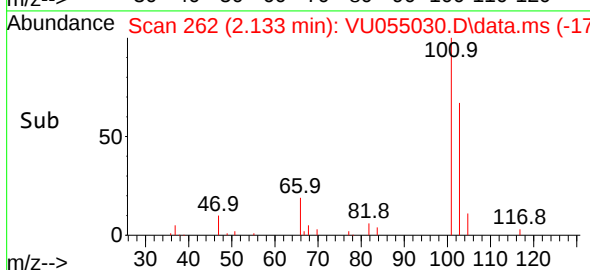
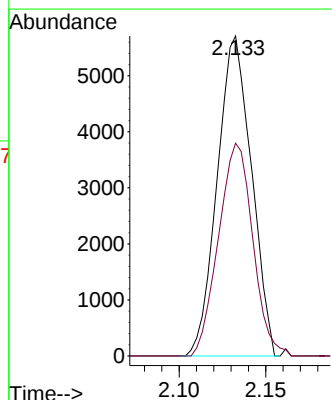
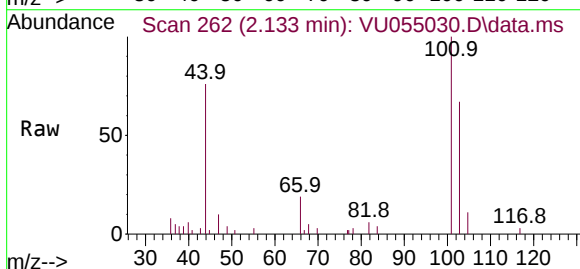
Acq: 31 Aug 2023 18:53

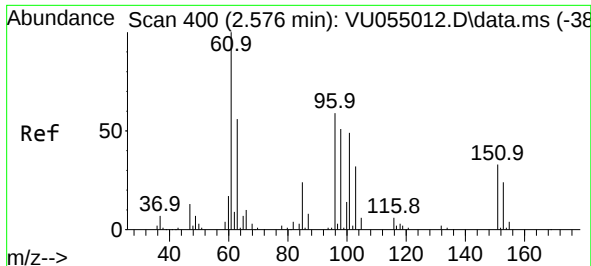
Tgt Ion: 101 Resp: 7846

Ion Ratio Lower Upper

101 100

103 66.6 51.0 76.4





#12

1,1-Dichloroethene

Concen: 0.572 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU055030.D

Acq: 31 Aug 2023 18:53

Instrument :

MSVOA_U

ClientSampleId :

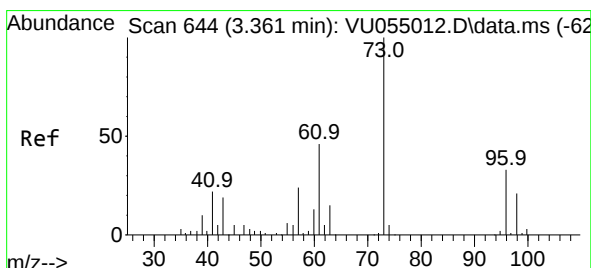
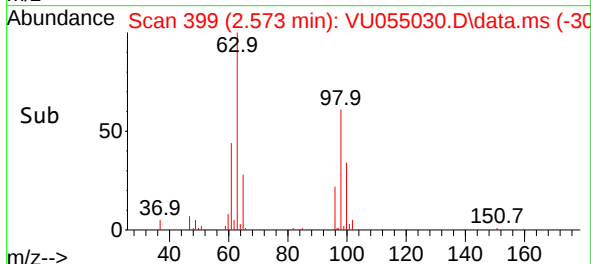
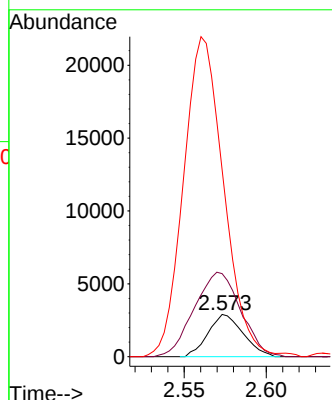
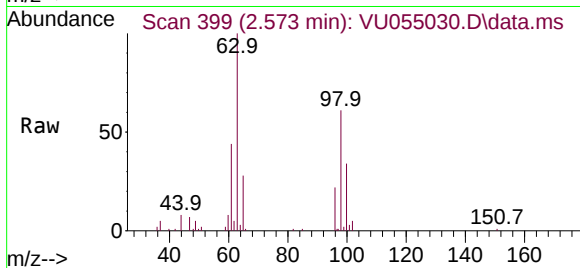
Tgt Ion: 96 Resp: 4298

Ion Ratio Lower Upper

96 100

61 196.6 132.4 245.8

63 442.7 82.5 153.1#



#17

Methyl tert-butyl Ether

Concen: 0.488 ug/L

RT: 3.367 min Scan# 646

Delta R.T. 0.007 min

Lab File: VU055030.D

Acq: 31 Aug 2023 18:53

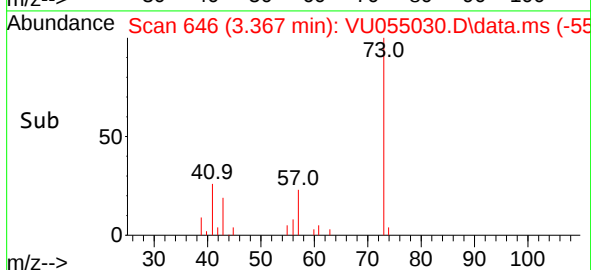
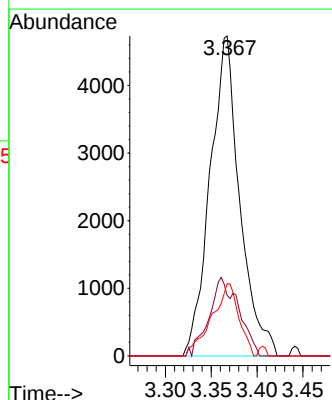
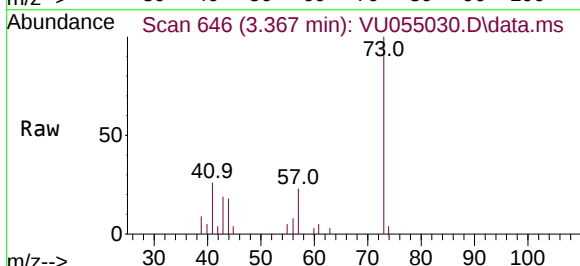
Tgt Ion: 73 Resp: 10654

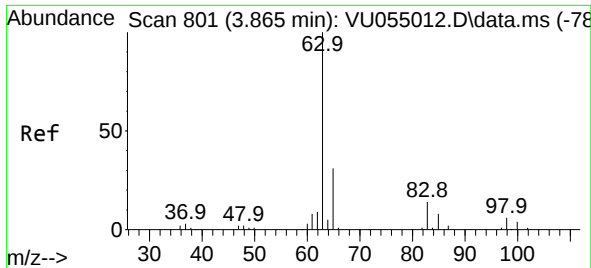
Ion Ratio Lower Upper

73 100

43 24.5 16.2 24.2#

57 20.7 17.4 26.0





#19

1,1-Dichloroethane

Concen: 0.523 ug/L

RT: 3.869 min Scan# 801

Delta R.T. 0.003 min

Lab File: VU055030.D

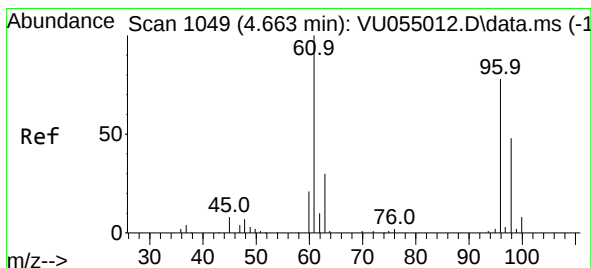
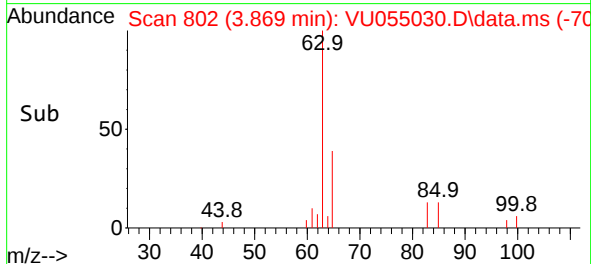
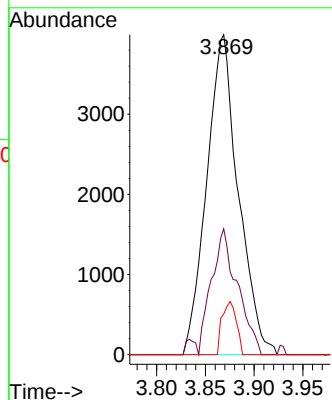
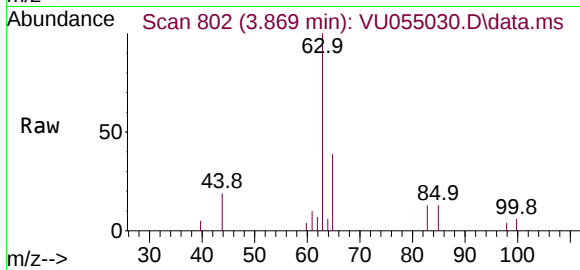
Acq: 31 Aug 2023 18:53

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 9002
Ion Ratio	Lower Upper
63	100
65	39.4 22.5 41.7
83	12.7 9.5 17.7



#22

cis-1,2-Dichloroethene

Concen: 23.321 ug/L

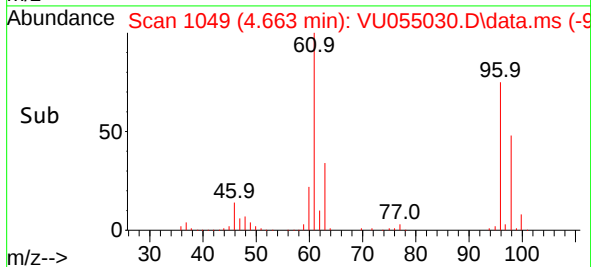
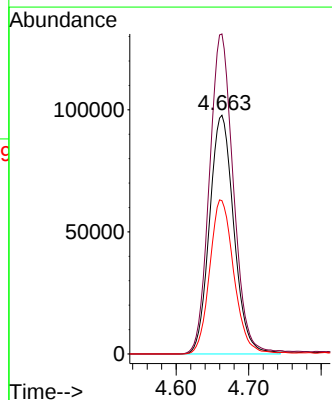
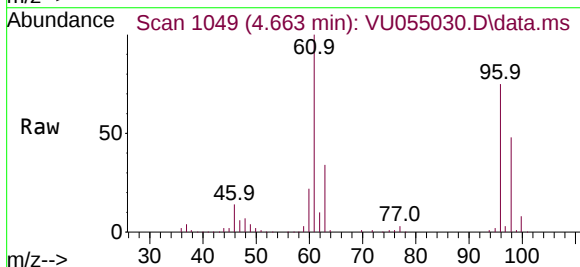
RT: 4.663 min Scan# 1049

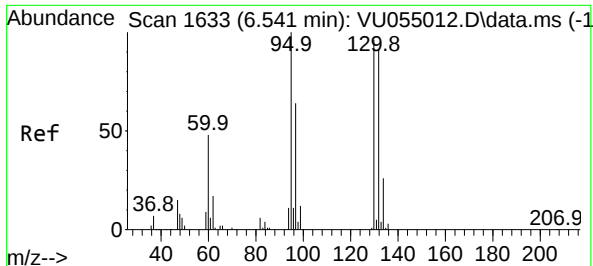
Delta R.T. 0.000 min

Lab File: VU055030.D

Acq: 31 Aug 2023 18:53

Tgt Ion: 96	Resp: 228137
Ion Ratio	Lower Upper
96	100
61	134.1 88.4 164.2
98	64.2 44.0 81.6





#34

Trichloroethene

Concen: 7.276 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.000 min

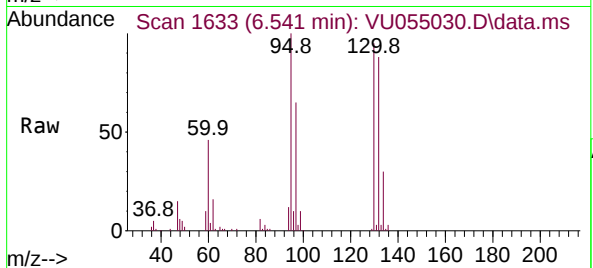
Lab File: VU055030.D

Acq: 31 Aug 2023 18:53

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 75874

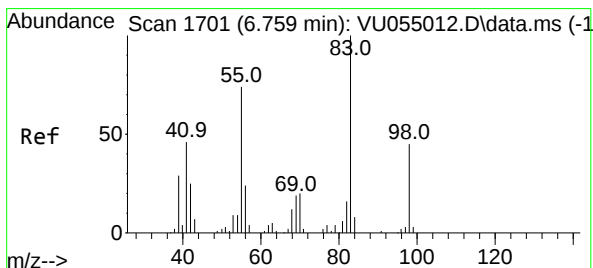
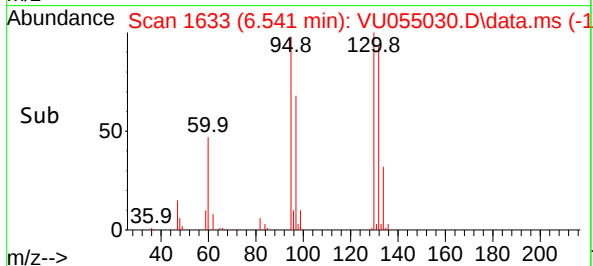
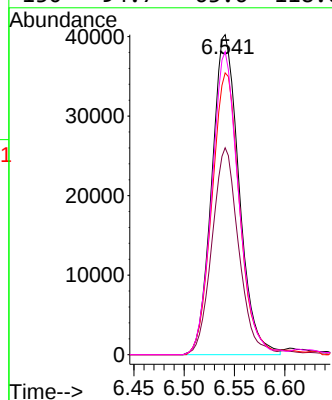
Ion Ratio Lower Upper

95 100

97 64.7 44.1 81.9

132 88.1 63.6 118.2

130 94.7 63.6 118.0



#35

Methylcyclohexane

Concen: 0.830 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.074 min

Lab File: VU055030.D

Acq: 31 Aug 2023 18:53

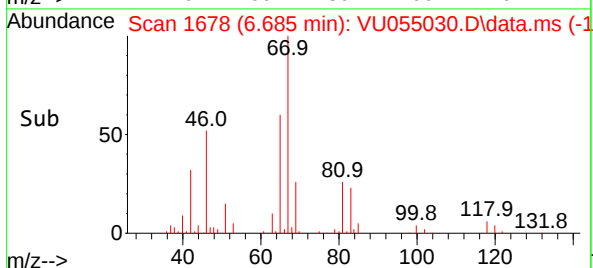
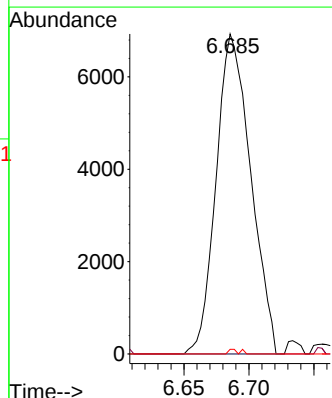
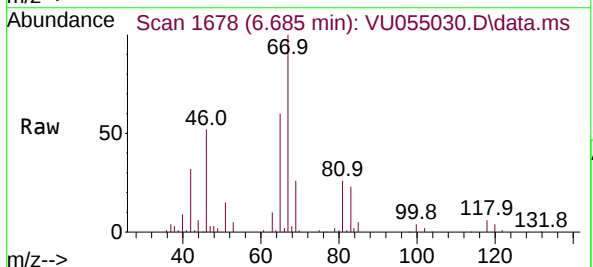
Tgt Ion: 83 Resp: 12811

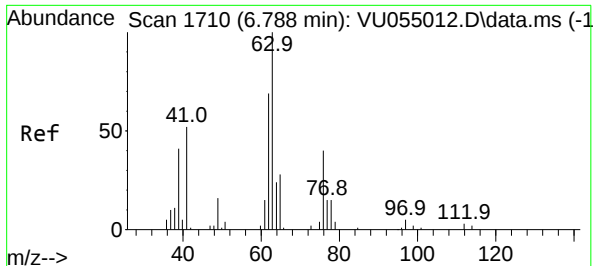
Ion Ratio Lower Upper

83 100

55 0.4 62.1 93.1#

98 0.0 37.8 56.6#





#37

1,2-Dichloropropane

Concen: 0.602 ug/L

RT: 6.692 min Scan# 1

Delta R.T. -0.096 min

Lab File: VU055030.D

Acq: 31 Aug 2023 18:53

Instrument :

MSVOA_U

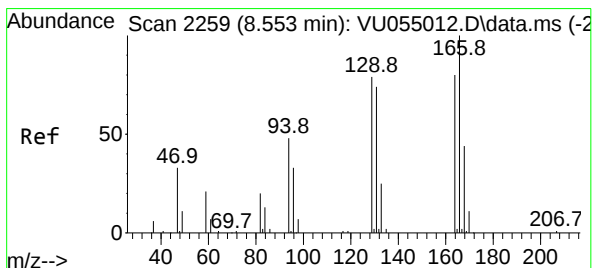
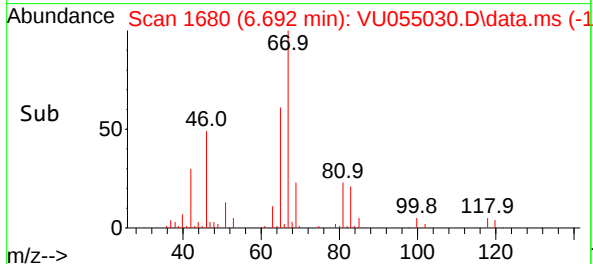
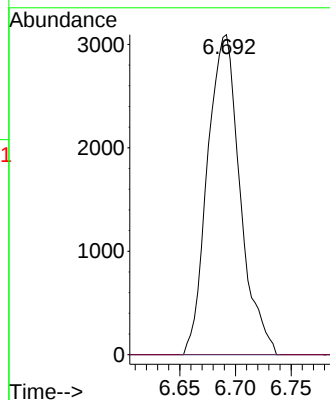
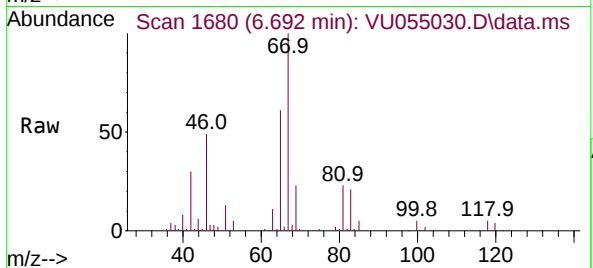
ClientSampleId :

Tgt Ion: 63 Resp: 6315

Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#



#47

Tetrachloroethene

Concen: 0.964 ug/L

RT: 8.557 min Scan# 2260

Delta R.T. 0.003 min

Lab File: VU055030.D

Acq: 31 Aug 2023 18:53

Tgt Ion: 164 Resp: 7220

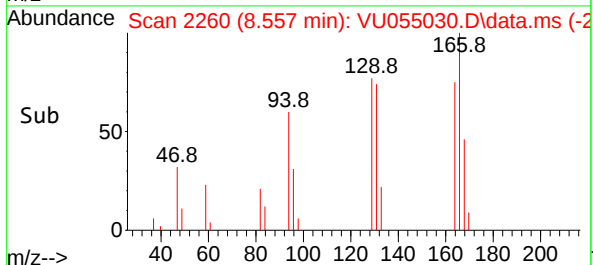
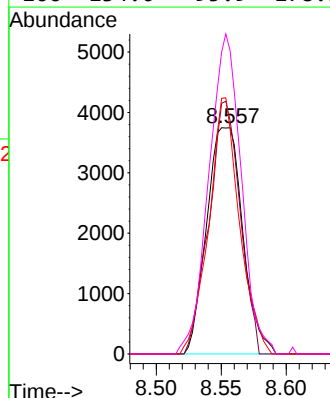
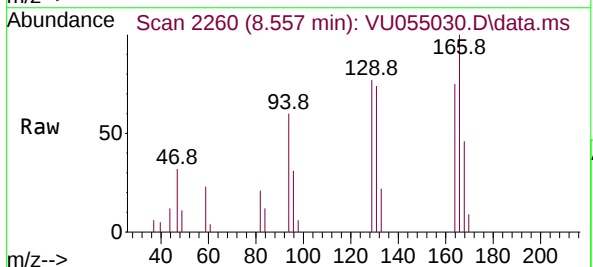
Ion Ratio Lower Upper

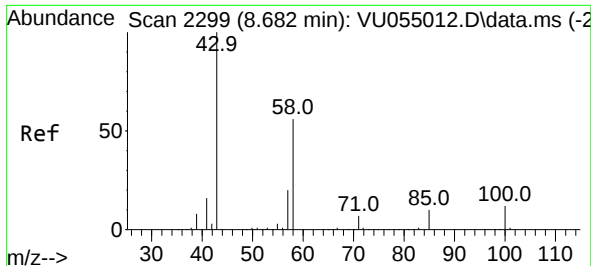
164 100

129 103.1 72.8 135.2

131 99.4 70.7 131.3

166 134.0 95.9 178.1

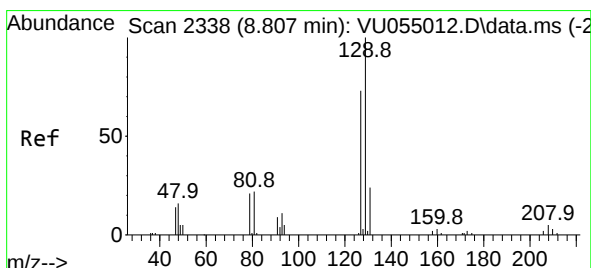
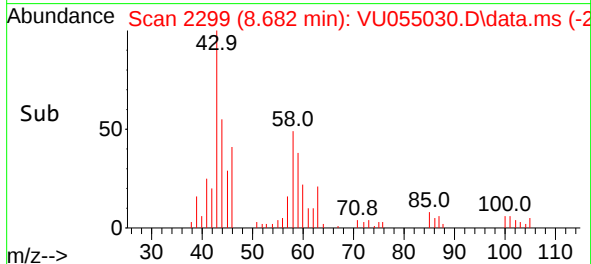
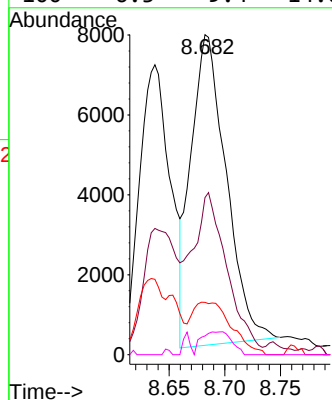
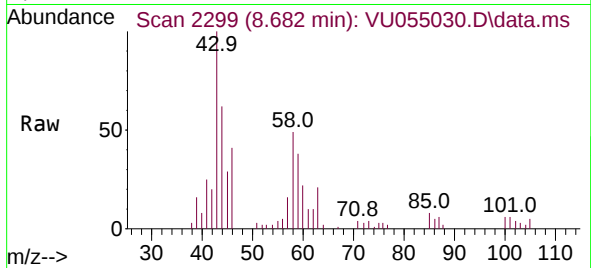




#48
2-Hexanone
Concen: 3.950 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VU055030.D
Acq: 31 Aug 2023 18:53

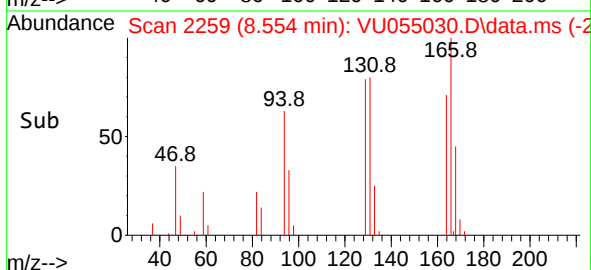
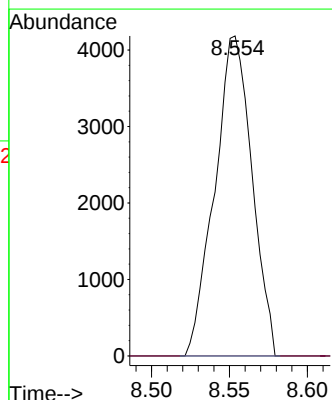
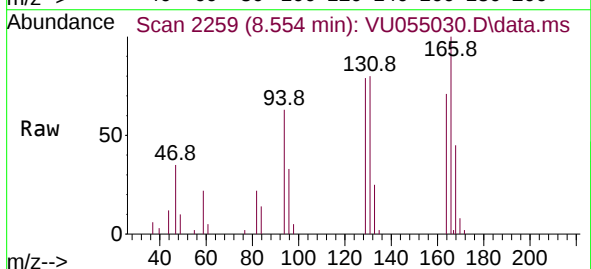
Instrument :
MSVOA_U
ClientSampleId :

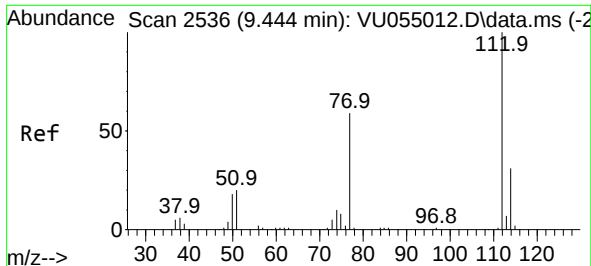
Tgt Ion: 43 Resp: 17109
Ion Ratio Lower Upper
43 100
58 50.6 44.0 66.0
57 18.6 15.9 23.9
100 6.3 9.4 14.0#



#49
Dibromochloromethane
Concen: 0.849 ug/L
RT: 8.554 min Scan# 2259
Delta R.T. -0.254 min
Lab File: VU055030.D
Acq: 31 Aug 2023 18:53

Tgt Ion: 129 Resp: 6962
Ion Ratio Lower Upper
129 100
127 0.0 60.5 112.5#

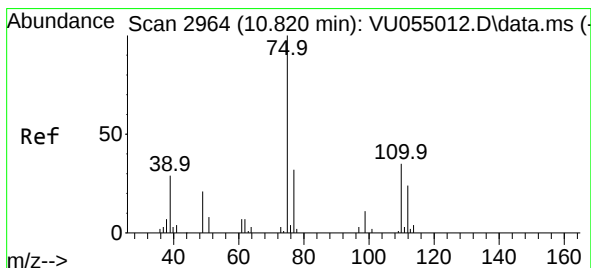
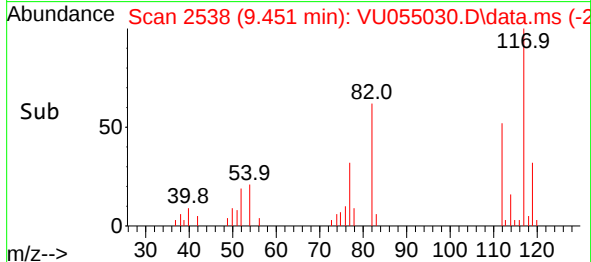
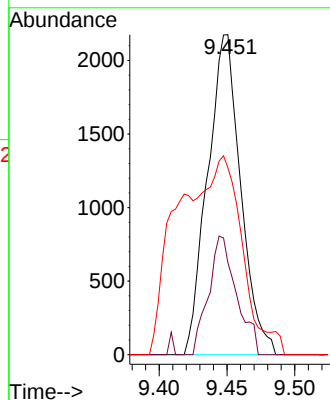
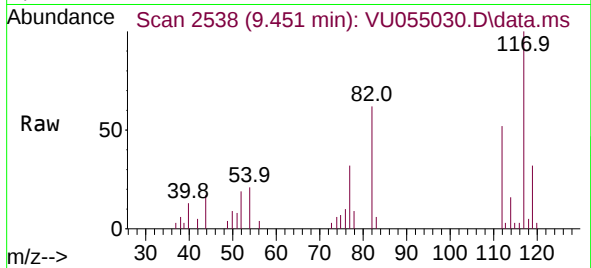




#51
Chlorobenzene
Concen: 0.136 ug/L
RT: 9.451 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU055030.D
Acq: 31 Aug 2023 18:53

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:112 Resp: 3698
Ion Ratio Lower Upper
112 100
114 28.8 23.4 43.4
77 58.4 49.3 73.9



#61
1,2,3-Trichloropropane
Concen: 1.936 ug/L
RT: 11.811 min Scan# 3272
Delta R.T. 0.991 min
Lab File: VU055030.D
Acq: 31 Aug 2023 18:53

Tgt Ion: 75 Resp: 11075
Ion Ratio Lower Upper
75 100
110 2.6 29.0 43.6#
77 34.3 26.5 39.7

