

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110723\
 Data File : VU056100.D
 Acq On : 07 Nov 2023 15:46
 Operator : MD/SY
 Sample : 05281-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 08 00:44:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 08 00:38:11 2023
 Response via : Initial Calibration

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

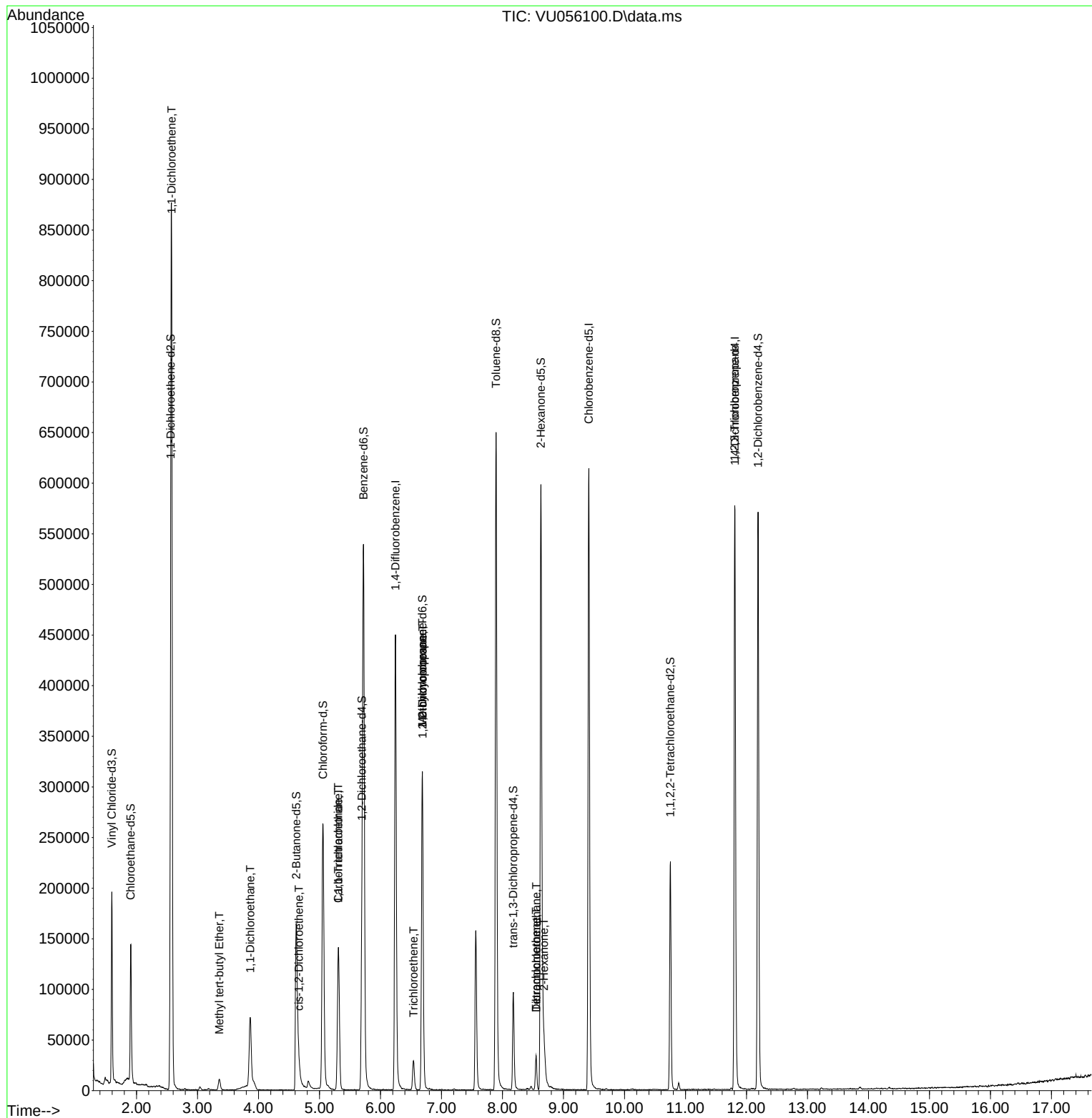
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	378682	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	371239	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	162644	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	138470	5.891	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	117.800%
7) Chloroethane-d5	1.904	69	108462	6.800	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	136.000%#
11) 1,1-Dichloroethene-d2	2.560	65	59162	5.713	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.200%
20) 2-Butanone-d5	4.618	46	252770	65.551	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.100%#
24) Chloroform-d	5.055	84	256984	5.744	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.800%
26) 1,2-Dichloroethane-d4	5.695	65	121171	6.150	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	123.000%
32) Benzene-d6	5.721	84	535805	6.009	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.200%
36) 1,2-Dichloropropane-d6	6.685	67	159012	6.058	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	121.200%
41) Toluene-d8	7.894	98	458975	5.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.400%
43) trans-1,3-Dichloroprop...	8.177	79	58529	5.834	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	116.600%
46) 2-Hexanone-d5	8.627	63	205703	62.556	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.120%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	114813	6.129	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	122.600%#
66) 1,2-Dichlorobenzene-d4	12.190	152	160416	6.396	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	128.000%#
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.576	96	253445	10.413	ug/L	90
17) Methyl tert-butyl Ether	3.357	73	11900	0.217	ug/L #	88
19) 1,1-Dichloroethane	3.866	63	78724	1.673	ug/L	91
22) cis-1,2-Dichloroethene	4.663	96	5026	0.181	ug/L	90
29) 1,1,1-Trichloroethane	5.309	97	104977	2.468	ug/L	99
31) Carbon tetrachloride	5.309	117	14072	0.373	ug/L	98
34) Trichloroethene	6.544	95	10505	0.362	ug/L	86
35) Methylcyclohexane	6.685	83	38032	0.881	ug/L #	20
37) 1,2-Dichloropropane	6.689	63	16625	0.601	ug/L #	88
47) Tetrachloroethene	8.550	164	7891	0.362	ug/L	95
48) 2-Hexanone	8.682	43	20585	2.338	ug/L #	72
49) Dibromochloromethane	8.553	129	7377	0.340	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	18957	1.350	ug/L #	69

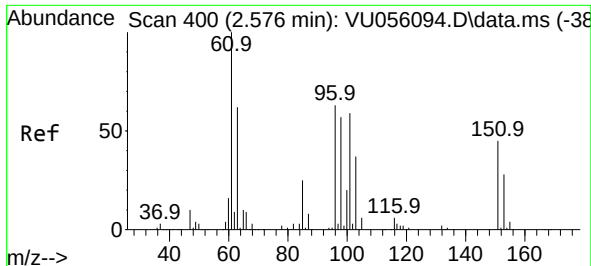
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 10.413 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU056100.D

Acq: 07 Nov 2023 15:46

Instrument :

MSVOA_U

ClientSampleId :

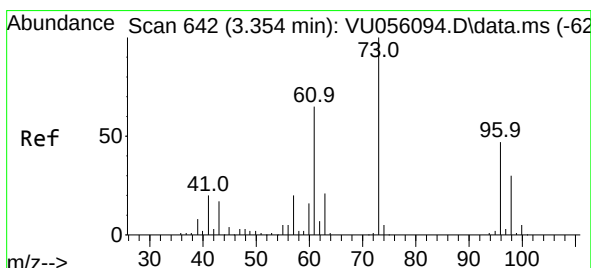
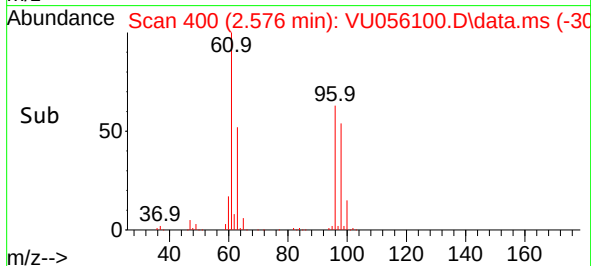
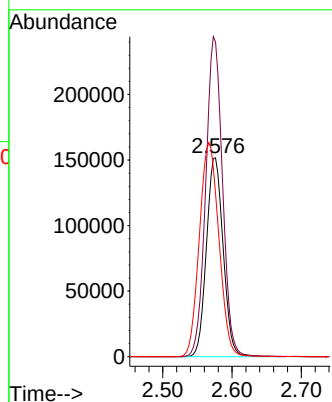
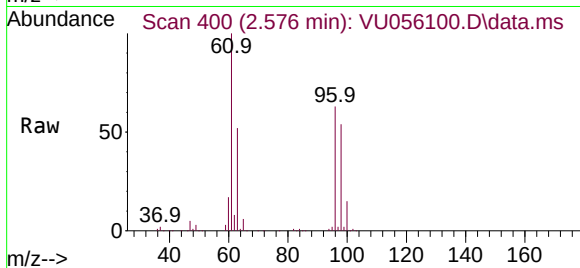
Tgt Ion: 96 Resp: 253445

Ion Ratio Lower Upper

96 100

61 158.4 111.7 207.5

63 82.1 74.5 138.3



#17

Methyl tert-butyl Ether

Concen: 0.217 ug/L

RT: 3.357 min Scan# 643

Delta R.T. 0.003 min

Lab File: VU056100.D

Acq: 07 Nov 2023 15:46

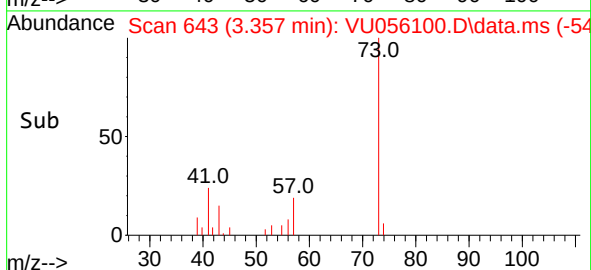
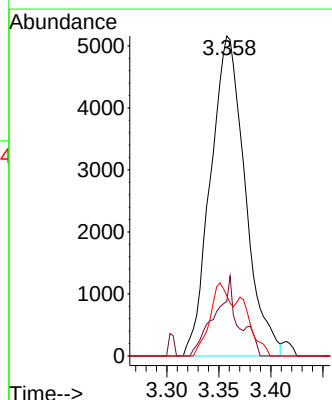
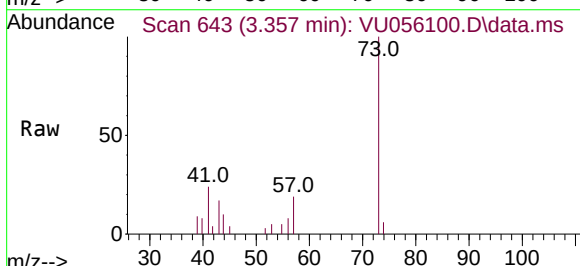
Tgt Ion: 73 Resp: 11900

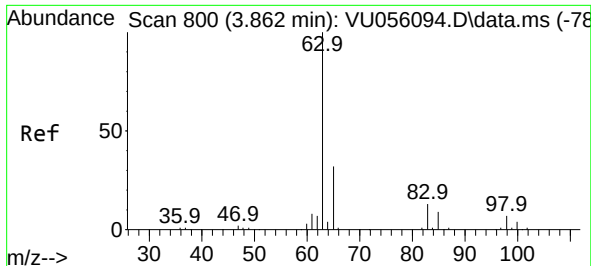
Ion Ratio Lower Upper

73 100

43 14.8 13.6 20.4

57 13.7 17.3 25.9#





#19

1,1-Dichloroethane

Concen: 1.673 ug/L

RT: 3.866 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU056100.D

Acq: 07 Nov 2023 15:46

Instrument :

MSVOA_U

ClientSampleId :

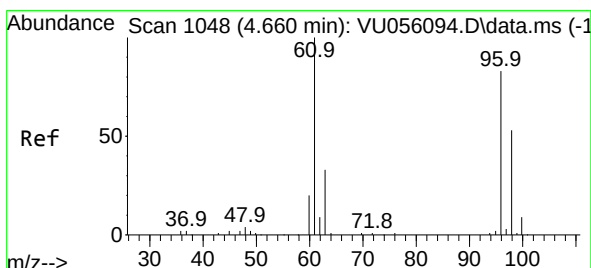
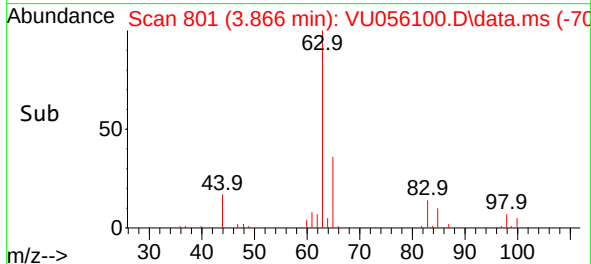
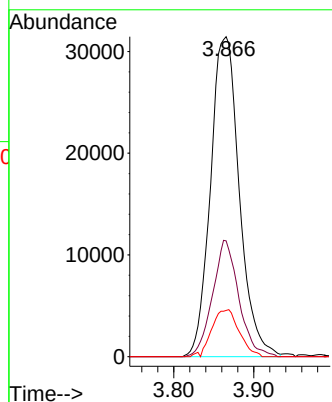
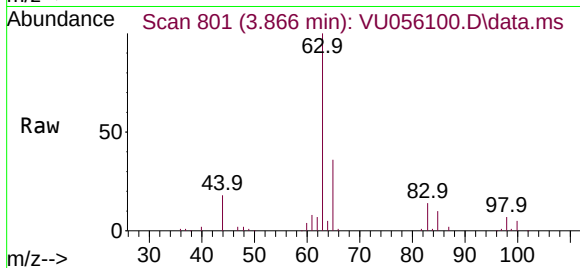
Tgt Ion: 63 Resp: 78724

Ion Ratio Lower Upper

63 100

65 36.2 20.6 38.2

83 14.4 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 0.181 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU056100.D

Acq: 07 Nov 2023 15:46

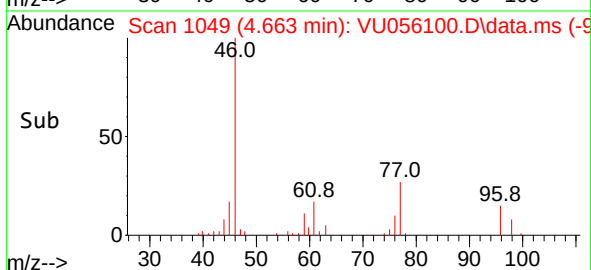
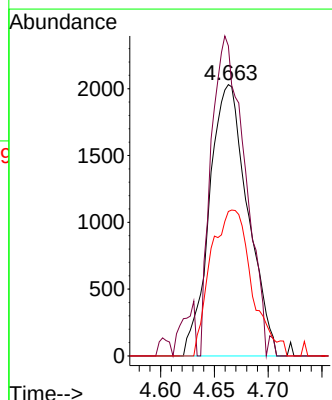
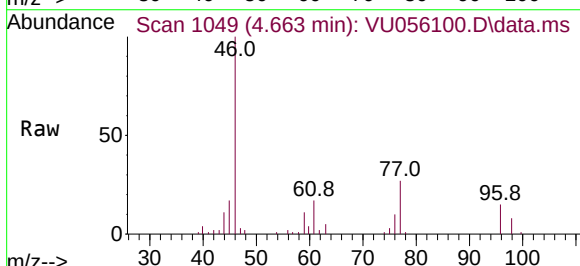
Tgt Ion: 96 Resp: 5026

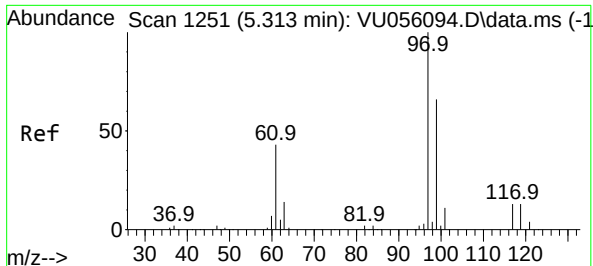
Ion Ratio Lower Upper

96 100

61 114.3 87.8 163.2

98 53.2 43.5 80.7





#29

1,1,1-Trichloroethane

Concen: 2.468 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.003 min

Lab File: VU056100.D

Acq: 07 Nov 2023 15:46

Instrument :

MSVOA_U

ClientSampleId :

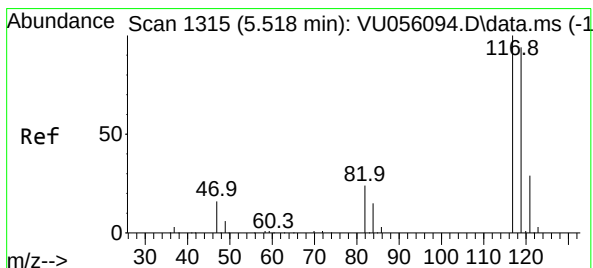
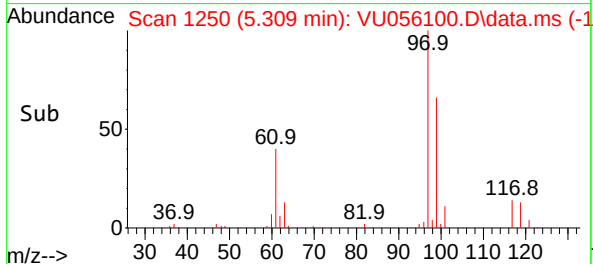
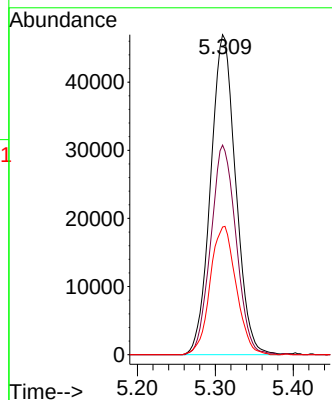
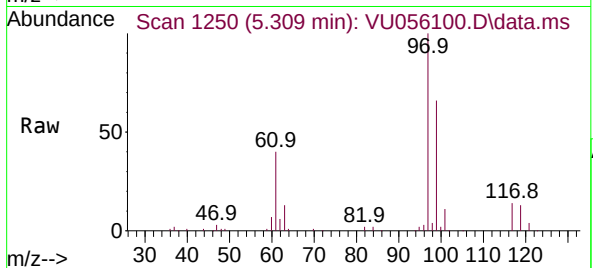
Tgt Ion: 97 Resp: 104977

Ion Ratio Lower Upper

97 100

99 66.1 52.0 78.0

61 41.5 33.4 50.0



#31

Carbon tetrachloride

Concen: 0.373 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.209 min

Lab File: VU056100.D

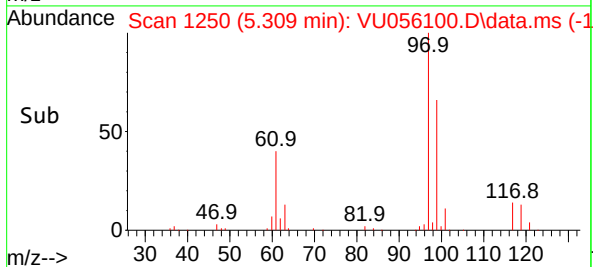
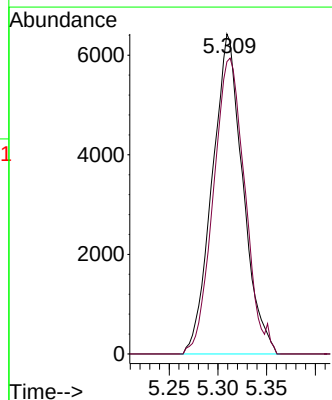
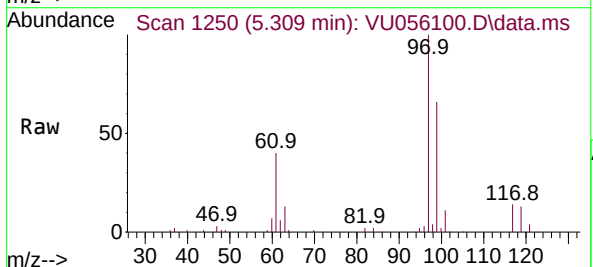
Acq: 07 Nov 2023 15:46

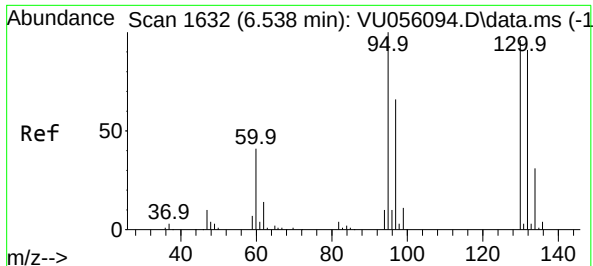
Tgt Ion: 117 Resp: 14072

Ion Ratio Lower Upper

117 100

119 94.8 77.2 115.8

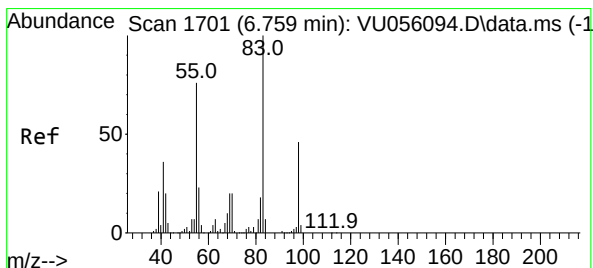
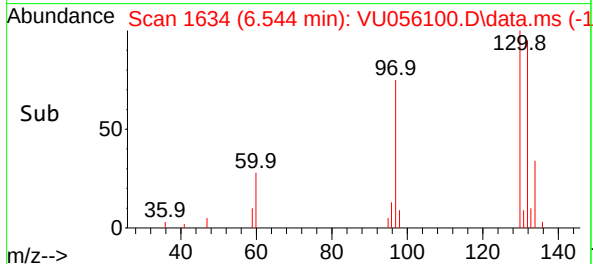
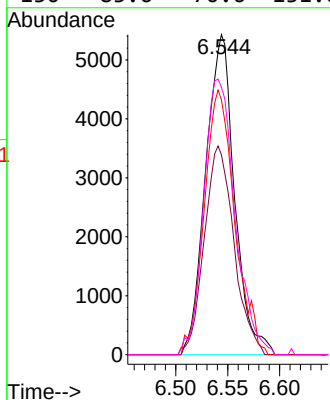
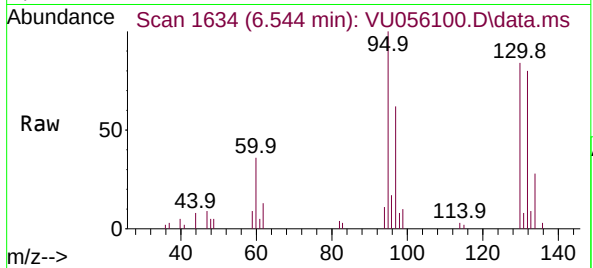




#34
Trichloroethene
Concen: 0.362 ug/L
RT: 6.544 min Scan# 1634
Delta R.T. 0.006 min
Lab File: VU056100.D
Acq: 07 Nov 2023 15:46

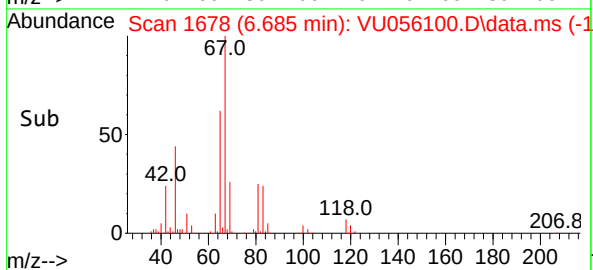
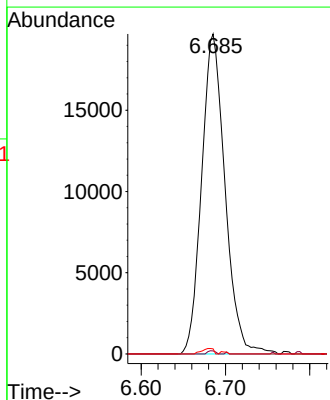
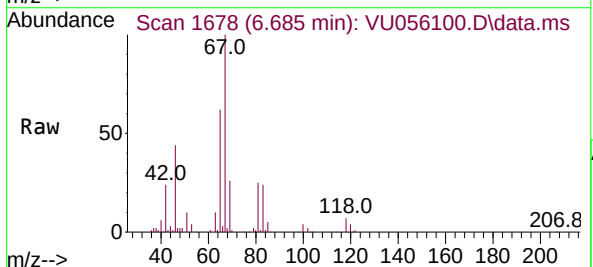
Instrument :
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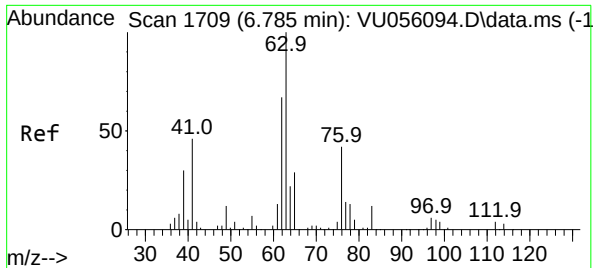
Tgt Ion:	95	Resp:	10505
Ion	Ratio	Lower	Upper
95	100		
97	62.5	46.8	87.0
132	79.7	66.5	123.5
130	83.6	70.6	131.0



#35
Methylcyclohexane
Concen: 0.881 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU056100.D
Acq: 07 Nov 2023 15:46

Tgt Ion:	83	Resp:	38032
Ion	Ratio	Lower	Upper
83	100		
55	0.3	60.6	91.0#
98	0.9	36.2	54.4#

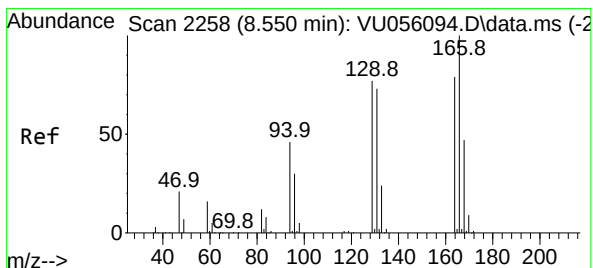
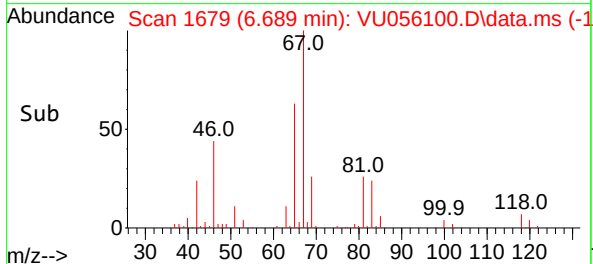
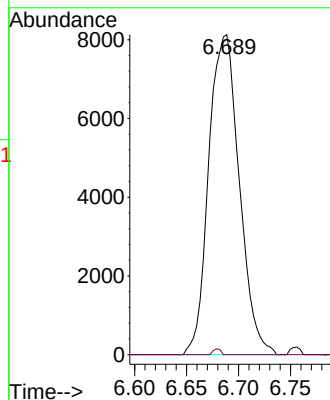
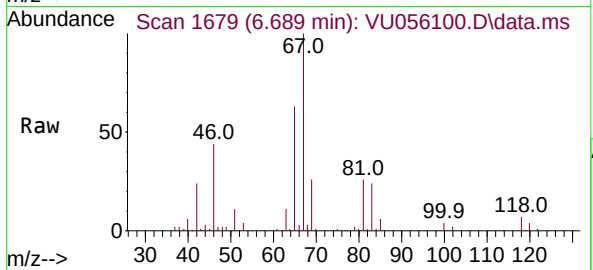




#37
1,2-Dichloropropane
Concen: 0.601 ug/L
RT: 6.689 min Scan# 1
Delta R.T. -0.097 min
Lab File: VU056100.D
Acq: 07 Nov 2023 15:46

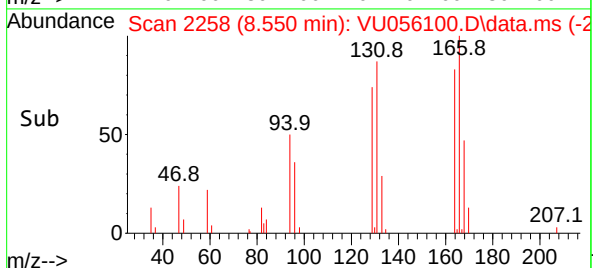
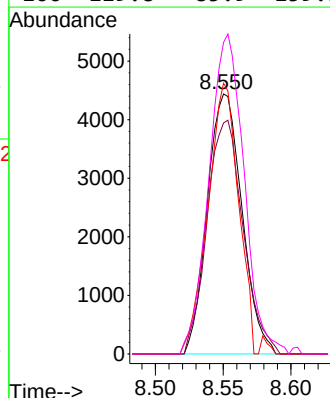
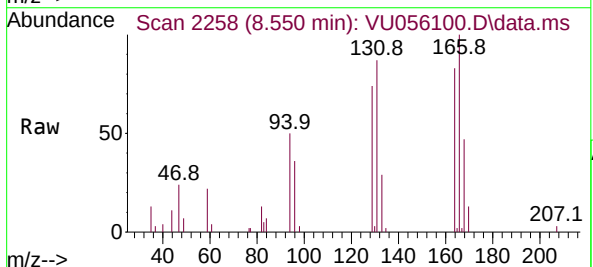
Instrument :
MSVOA_U
ClientSampleId :

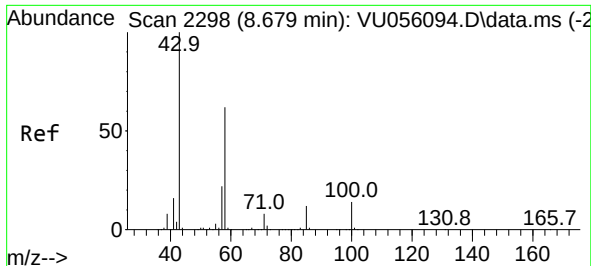
Tgt Ion: 63 Resp: 16625
Ion Ratio Lower Upper
63 100
112 0.4 3.4 5.2#



#47
Tetrachloroethene
Concen: 0.362 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU056100.D
Acq: 07 Nov 2023 15:46

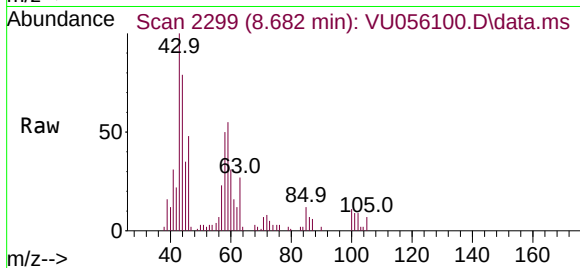
Tgt Ion:164 Resp: 7891
Ion Ratio Lower Upper
164 100
129 88.8 66.6 123.8
131 104.1 67.8 126.0
166 119.8 85.9 159.5



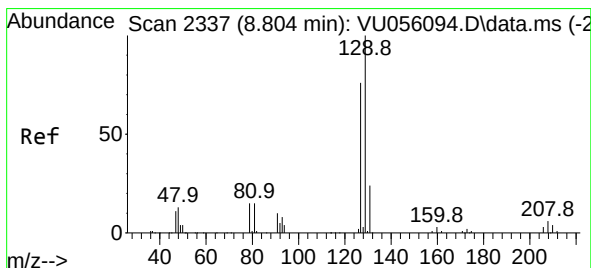
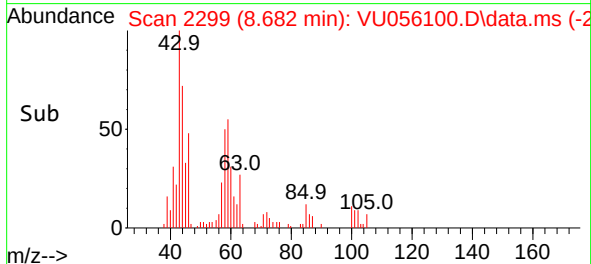
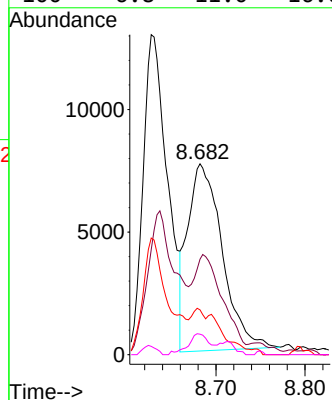


#48
2-Hexanone
Concen: 2.338 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056100.D
Acq: 07 Nov 2023 15:46

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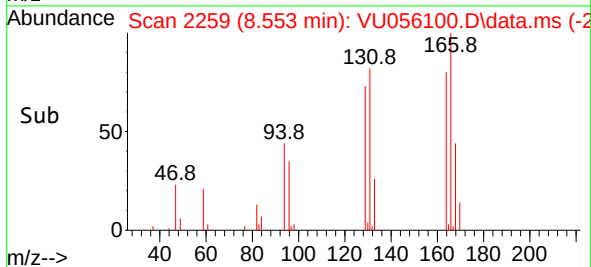
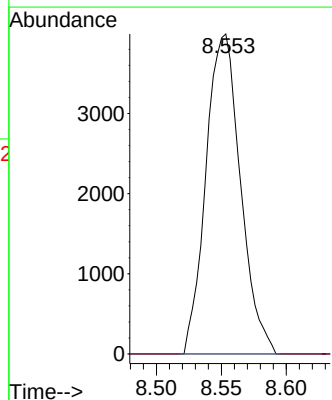
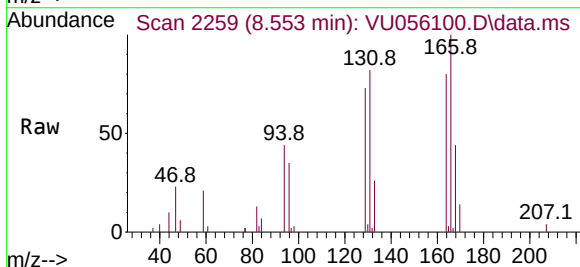


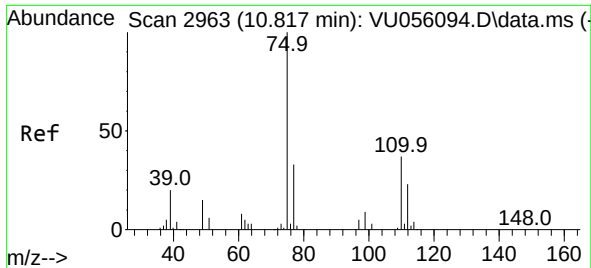
Tgt Ion: 43 Resp: 20585
Ion Ratio Lower Upper
43 100
58 44.6 52.0 78.0#
57 2.3 17.4 26.2#
100 6.8 11.0 16.6#



#49
Dibromochloromethane
Concen: 0.340 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. -0.251 min
Lab File: VU056100.D
Acq: 07 Nov 2023 15:46

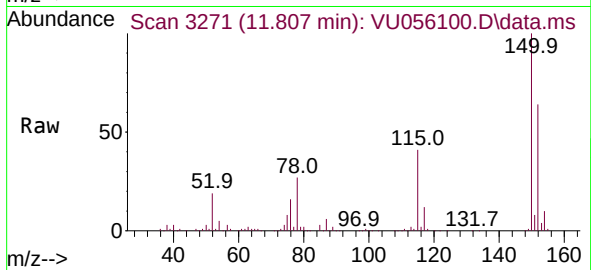
Tgt Ion: 129 Resp: 7377
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.350 ug/L
 RT: 11.807 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU056100.D
 Acq: 07 Nov 2023 15:46

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 18957
 Ion Ratio Lower Upper
 75 100
 110 2.5 29.7 44.5#
 77 32.0 25.5 38.3

