

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102523\
 Data File : VU055878.D
 Acq On : 25 Oct 2023 14:44
 Operator : MD/SY
 Sample : 04946-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 01:53:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 26 01:50:39 2023
 Response via : Initial Calibration

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

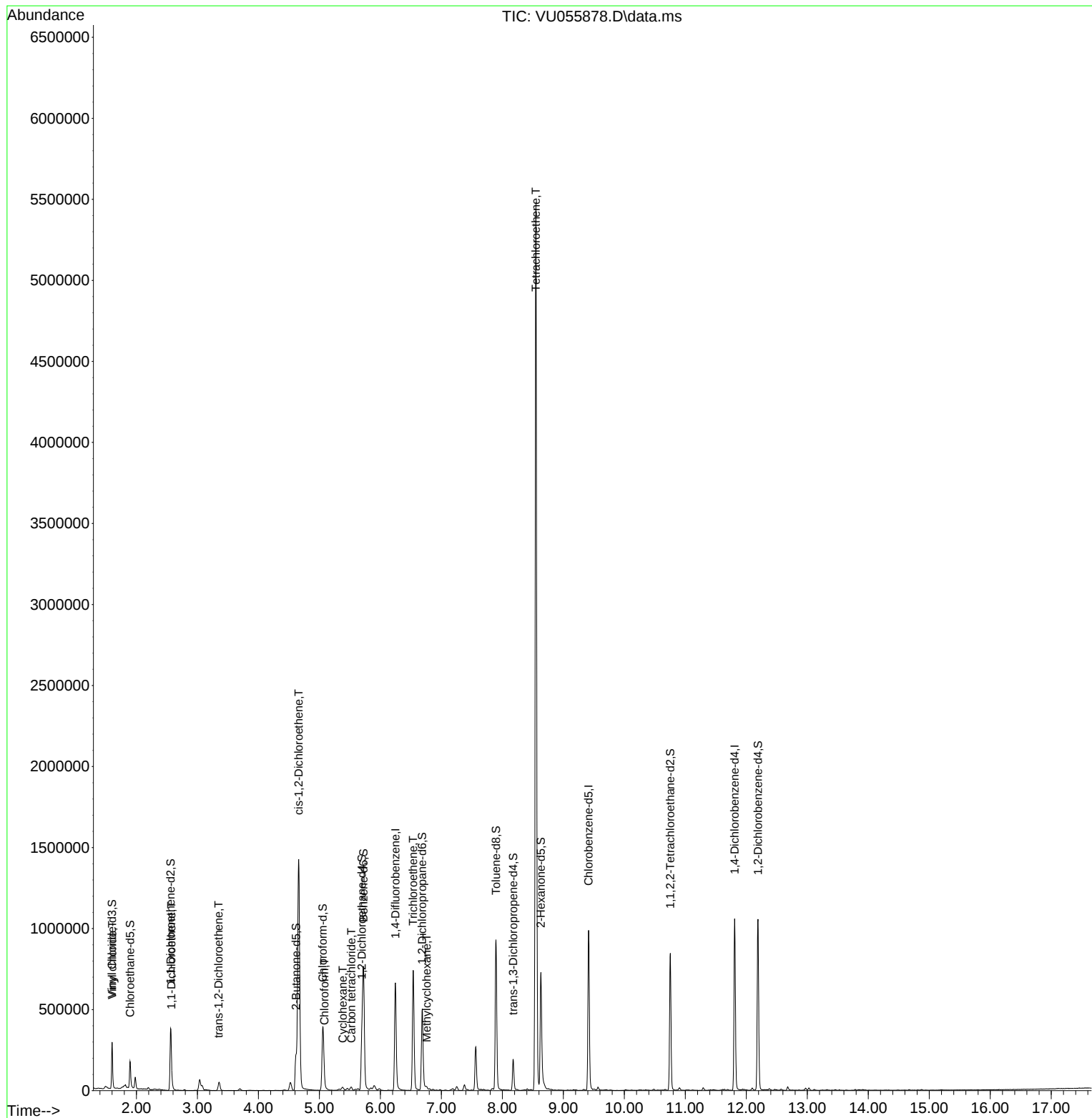
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	554924	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	550925	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	283176	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	149132	29.961	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	59.920%#
7) Chloroethane-d5	1.895	69	145491	35.759	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.520%
11) 1,1-Dichloroethene-d2	2.560	63	228542	25.751	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	51.500%#
21) 2-Butanone-d5	4.615	46	301861	81.845	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.840%
24) Chloroform-d	5.055	84	376883	39.496	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.000%
26) 1,2-Dichloroethane-d4	5.695	65	247427	42.127	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.260%
32) Benzene-d6	5.721	84	733329	41.602	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.200%
36) 1,2-Dichloropropane-d6	6.685	67	249599	44.728	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.460%
41) Toluene-d8	7.894	98	641135	40.281	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.560%
43) trans-1,3-Dichloroprop...	8.177	79	111518	41.601	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.200%
47) 2-Hexanone-d5	8.631	63	263911	120.299	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.300%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	427187	49.733	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.460%
66) 1,2-Dichlorobenzene-d4	12.190	152	279883	49.806	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.620%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	66274	13.774	ug/L	91
12) 1,1-Dichloroethene	2.573	96	10150	2.580	ug/L #	1
17) trans-1,2-Dichloroethene	3.348	96	4278	1.063	ug/L	96
20) cis-1,2-Dichloroethene	4.660	96	767660	167.200	ug/L	97
25) Chloroform	5.081	83	19065	2.212	ug/L	98
29) Cyclohexane	5.380	56	10949	1.734	ug/L	89
31) Carbon tetrachloride	5.521	117	15255	2.449	ug/L	95
34) Trichloroethene	6.538	95	264284	55.462	ug/L	98
35) Methylcyclohexane	6.756	83	6521	0.943	ug/L #	80
46) Tetrachloroethene	8.550	164	1196830	350.805	ug/L	98

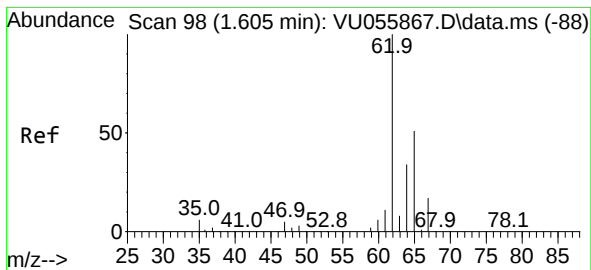
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 26 01:50:39 2023
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 13.774 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.003 min

Lab File: VU055878.D

Acq: 25 Oct 2023 14:44

Instrument :

MSVOA_U

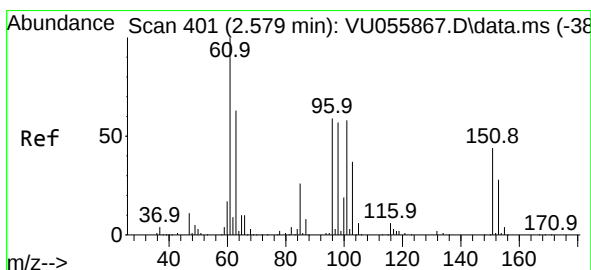
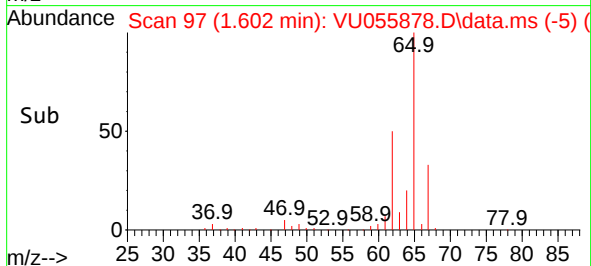
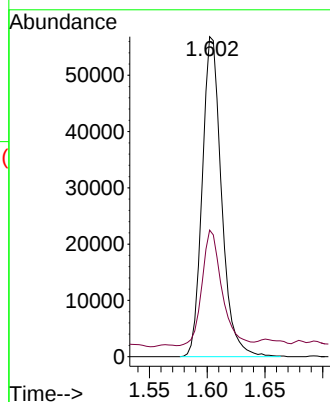
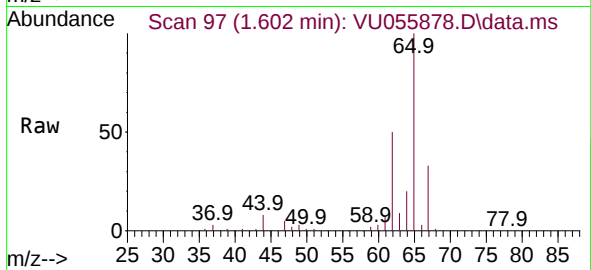
ClientSampleId :

Tgt Ion: 62 Resp: 66274

Ion Ratio Lower Upper

62 100

64 39.6 23.9 44.5



#12

1,1-Dichloroethene

Concen: 2.580 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.006 min

Lab File: VU055878.D

Acq: 25 Oct 2023 14:44

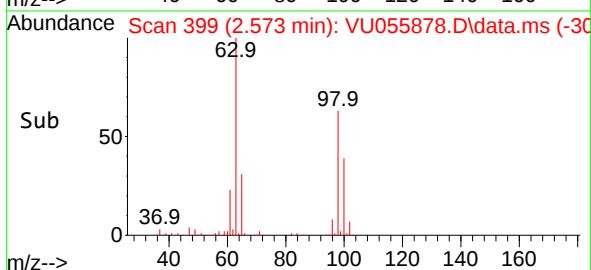
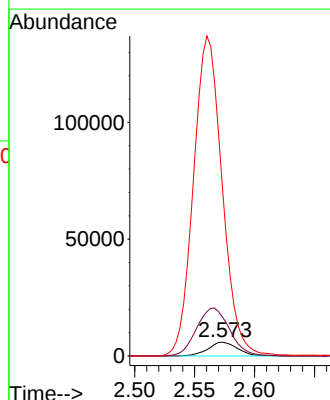
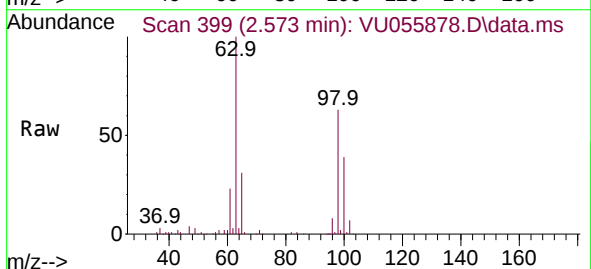
Tgt Ion: 96 Resp: 10150

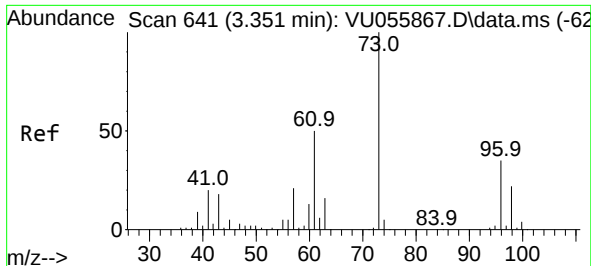
Ion Ratio Lower Upper

96 100

61 284.9 122.0 226.6#

63 1237.1 93.7 174.1#

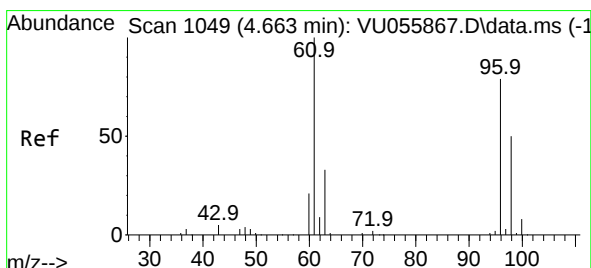
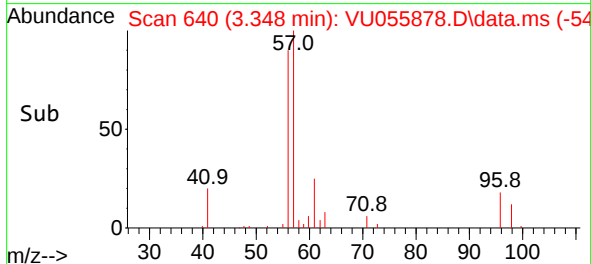
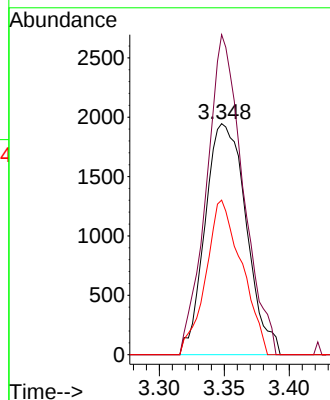
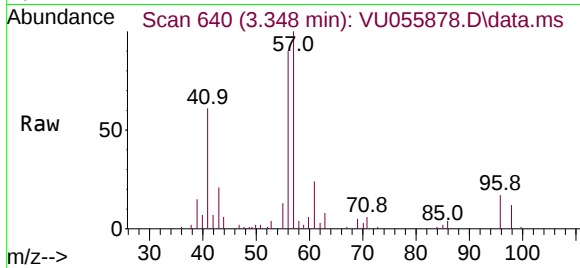




#17
trans-1,2-Dichloroethene
Concen: 1.063 ug/L
RT: 3.348 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055878.D
Acq: 25 Oct 2023 14:44

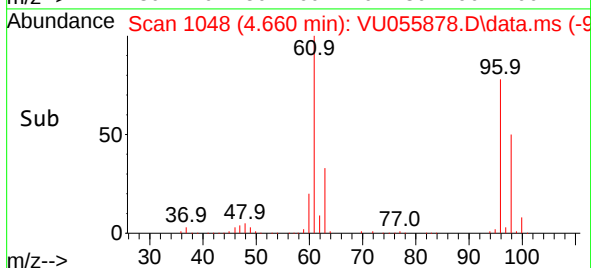
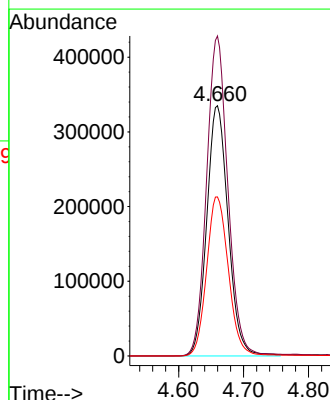
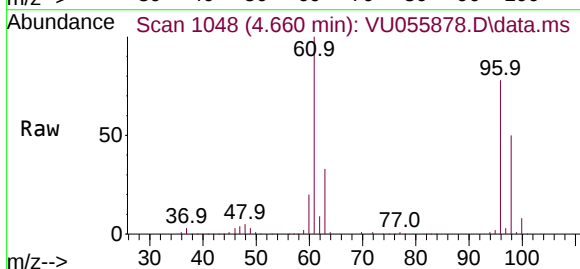
Instrument :
MSVOA_U
ClientSampleId :

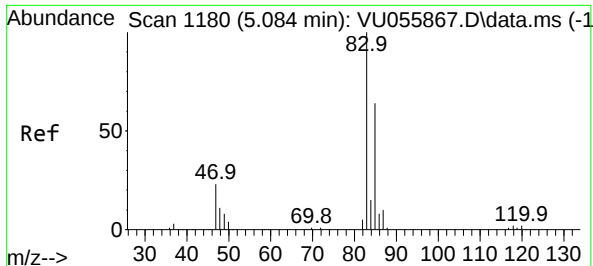
Tgt Ion: 96 Resp: 4278
Ion Ratio Lower Upper
96 100
61 138.5 102.1 189.7
98 66.9 46.3 86.1



#20
cis-1,2-Dichloroethene
Concen: 167.200 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU055878.D
Acq: 25 Oct 2023 14:44

Tgt Ion: 96 Resp: 767660
Ion Ratio Lower Upper
96 100
61 127.9 92.3 171.5
98 63.6 43.9 81.5





#25

Chloroform

Concen: 2.212 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055878.D

Acq: 25 Oct 2023 14:44

Instrument :

MSVOA_U

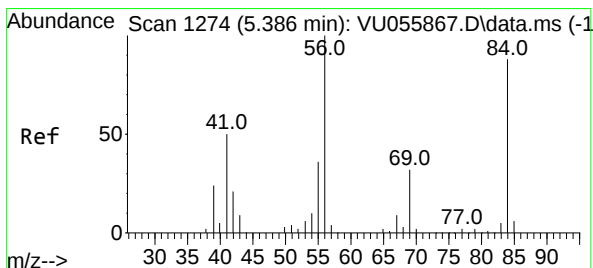
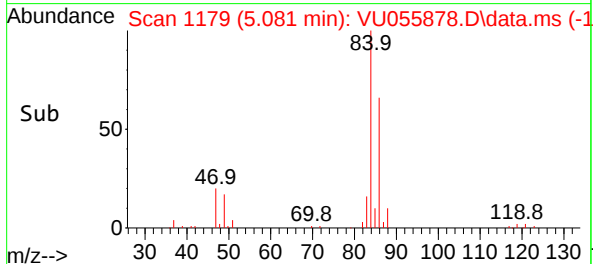
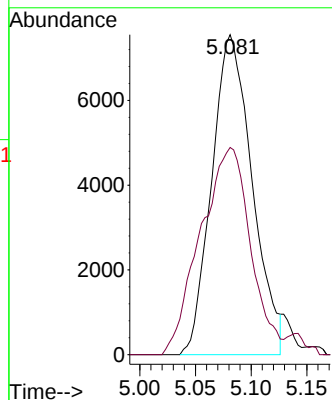
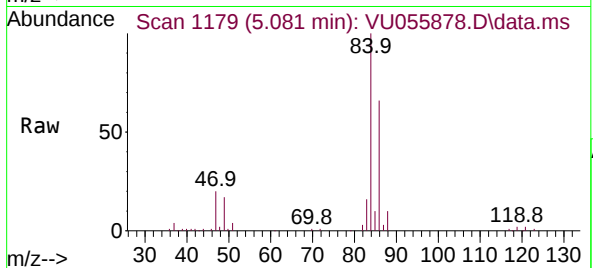
ClientSampleId :

Tgt Ion: 83 Resp: 19065

Ion Ratio Lower Upper

83 100

85 64.7 46.3 86.1



#29

Cyclohexane

Concen: 1.734 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.006 min

Lab File: VU055878.D

Acq: 25 Oct 2023 14:44

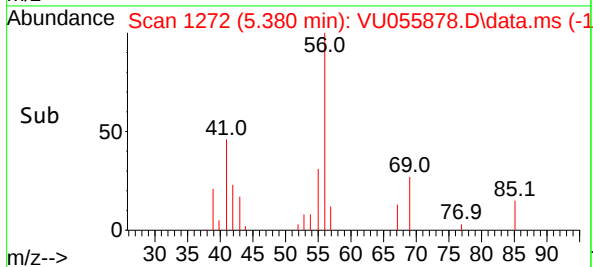
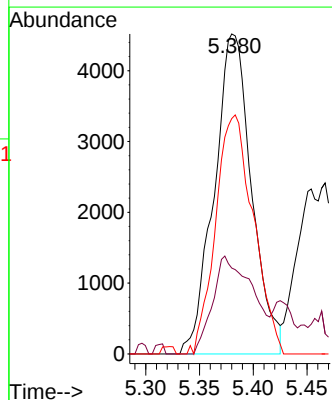
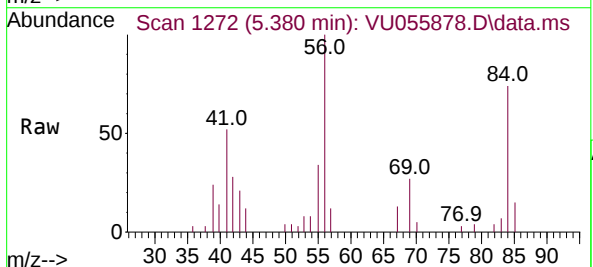
Tgt Ion: 56 Resp: 10949

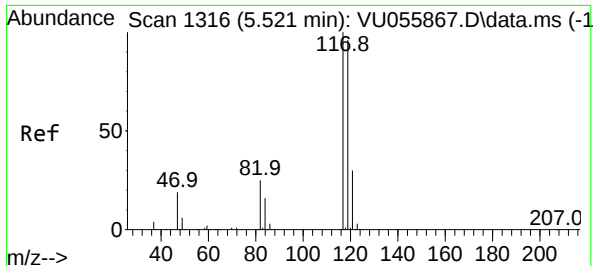
Ion Ratio Lower Upper

56 100

69 33.0 24.9 37.3

84 75.1 70.7 106.1

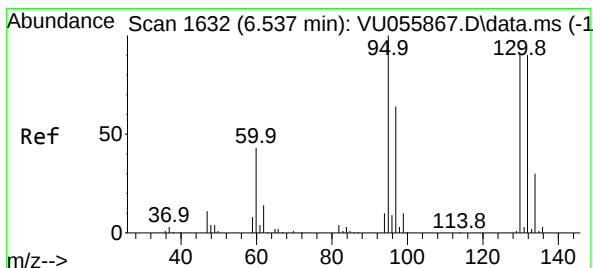
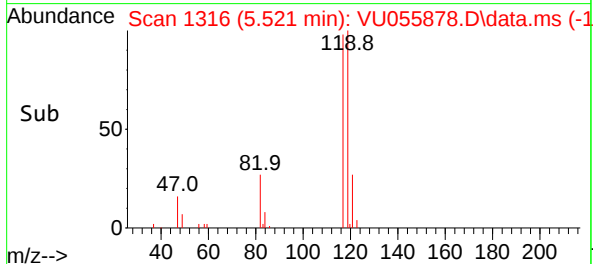
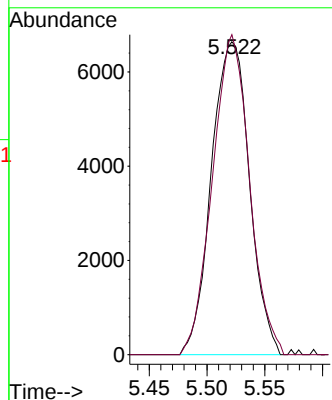
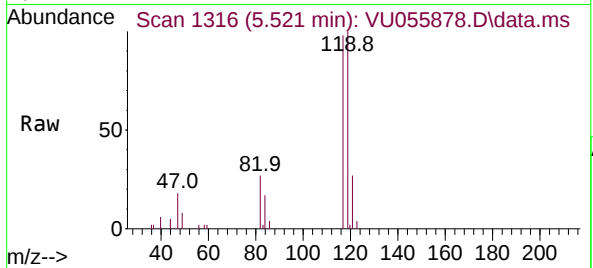




#31
Carbon tetrachloride
Concen: 2.449 ug/L
RT: 5.521 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055878.D
Acq: 25 Oct 2023 14:44

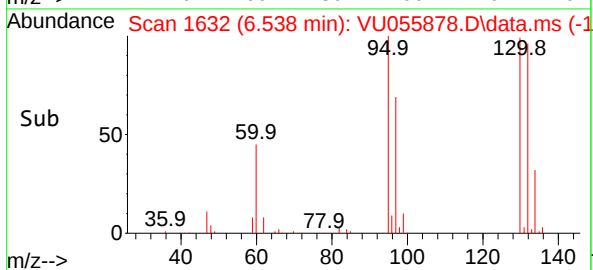
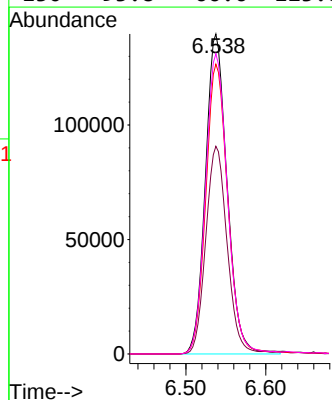
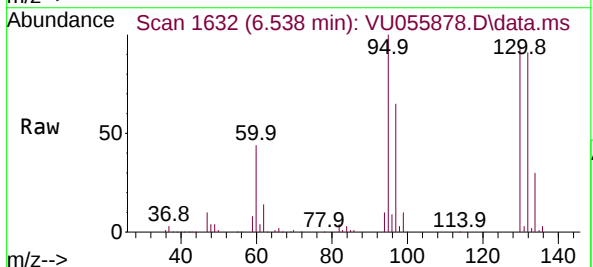
Instrument :
MSVOA_U
ClientSampleId :

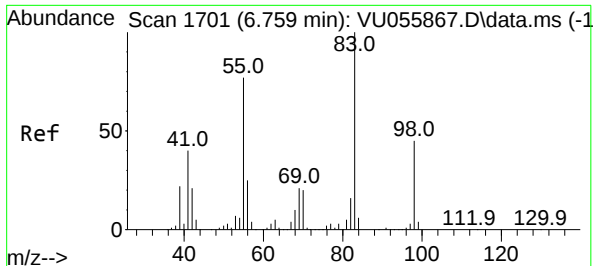
Tgt Ion:117 Resp: 15255
Ion Ratio Lower Upper
117 100
119 99.3 75.4 113.0



#34
Trichloroethene
Concen: 55.462 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU055878.D
Acq: 25 Oct 2023 14:44

Tgt Ion: 95 Resp: 264284
Ion Ratio Lower Upper
95 100
97 64.9 44.4 82.5
132 90.5 61.8 114.8
130 93.8 66.6 123.8

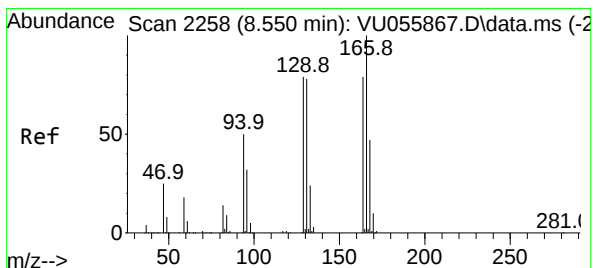
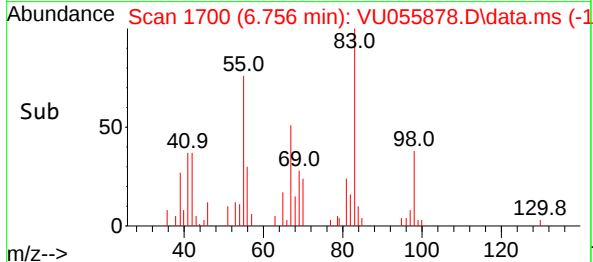
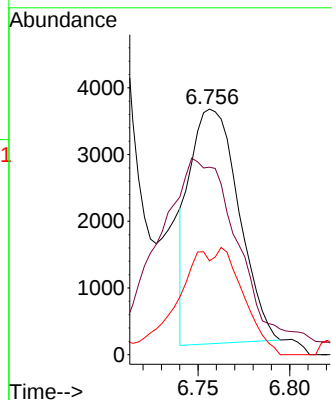
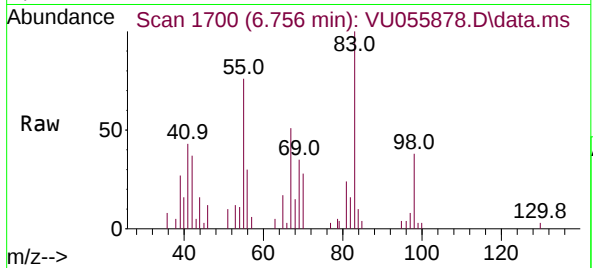




#35
Methylcyclohexane
Concen: 0.943 ug/L
RT: 6.756 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU055878.D
Acq: 25 Oct 2023 14:44

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 83 Resp: 6521
Ion Ratio Lower Upper
83 100
55 64.1 61.2 91.8
98 25.0 35.8 53.6#



#46
Tetrachloroethene
Concen: 350.805 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055878.D
Acq: 25 Oct 2023 14:44

Tgt Ion:164 Resp: 1196830
Ion Ratio Lower Upper
164 100
129 101.4 70.7 131.3
131 97.9 65.9 122.5
166 128.4 87.8 163.0

