

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102523\
 Data File : VU055887.D
 Acq On : 25 Oct 2023 18:22
 Operator : MD/SY
 Sample : 04946-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 01:55:51 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)

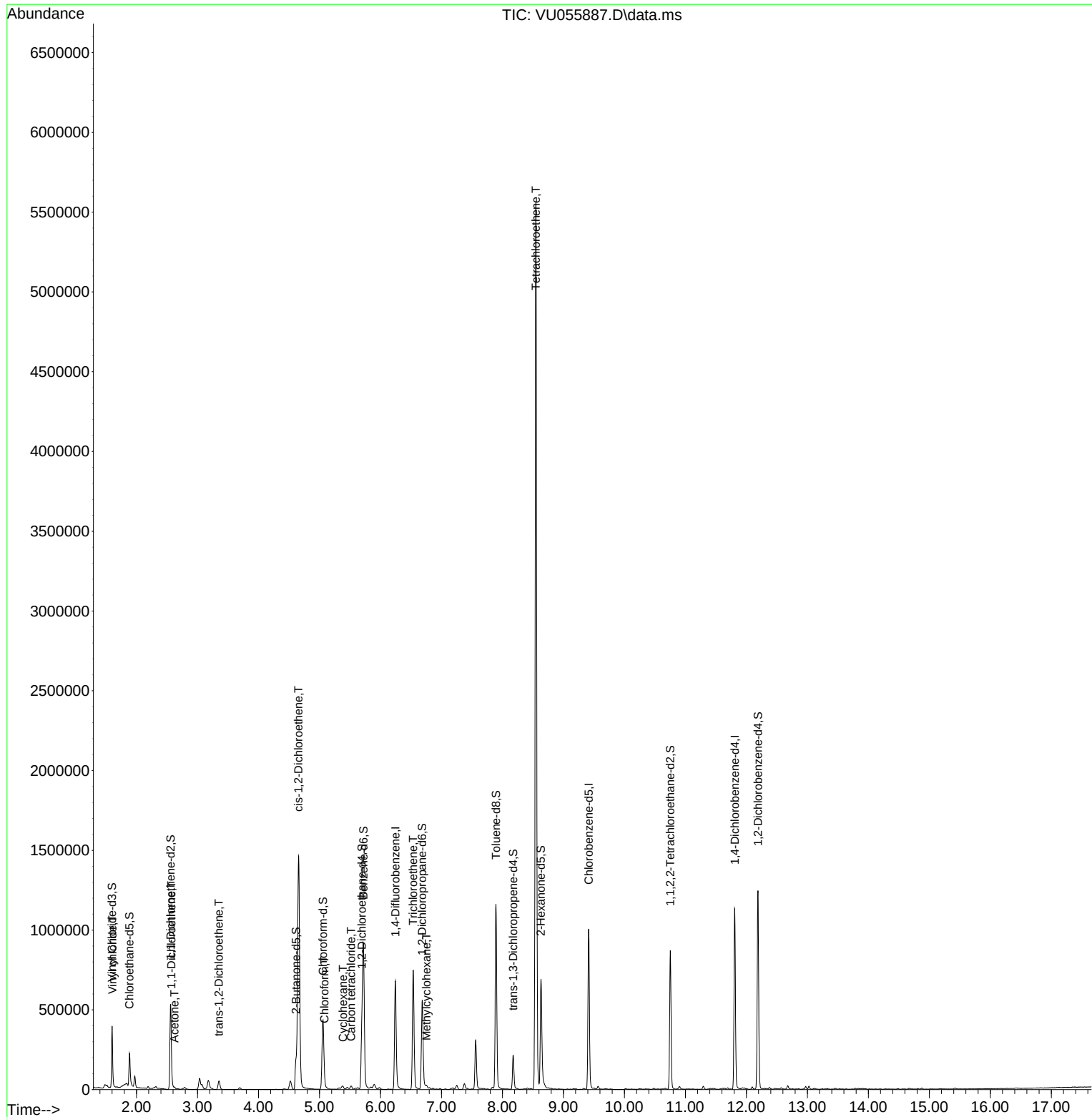
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	566907	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	566966	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	306550	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	235850	46.382	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.760%
7) Chloroethane-d5	1.885	69	190656	45.869	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.740%
11) 1,1-Dichloroethene-d2	2.560	63	322803	35.603	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.200%
21) 2-Butanone-d5	4.615	46	273970	72.712	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	72.710%
24) Chloroform-d	5.058	84	419732	43.057	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.120%
26) 1,2-Dichloroethane-d4	5.695	65	273864	45.642	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.280%
32) Benzene-d6	5.721	84	887159	48.905	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.820%
36) 1,2-Dichloropropane-d6	6.685	67	275981	48.056	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.120%
41) Toluene-d8	7.894	98	788354	48.129	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.260%
43) trans-1,3-Dichloroprop...	8.177	79	127741	46.305	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.620%
47) 2-Hexanone-d5	8.631	63	257954	114.257	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.260%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	431228	48.783	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.560%
66) 1,2-Dichlorobenzene-d4	12.190	152	323580	53.191	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.380%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.605	62	64972	13.218	ug/L	85
12) 1,1-Dichloroethene	2.570	96	11087	2.759	ug/L #	1
13) Acetone	2.621	43	13040	3.729	ug/L	91
17) trans-1,2-Dichloroethene	3.351	96	3975	0.967	ug/L #	78
20) cis-1,2-Dichloroethene	4.657	96	781277	166.569	ug/L	98
25) Chloroform	5.081	83	16301	1.852	ug/L	99
29) Cyclohexane	5.386	56	11146	1.715	ug/L	92
31) Carbon tetrachloride	5.518	117	15359	2.396	ug/L	94
34) Trichloroethene	6.537	95	268640	54.782	ug/L	97
35) Methylcyclohexane	6.753	83	9546	1.342	ug/L #	81
46) Tetrachloroethene	8.550	164	1224066	348.637	ug/L	98

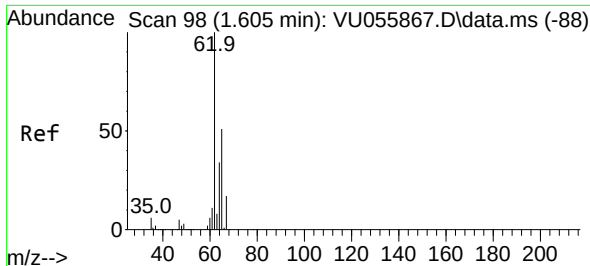
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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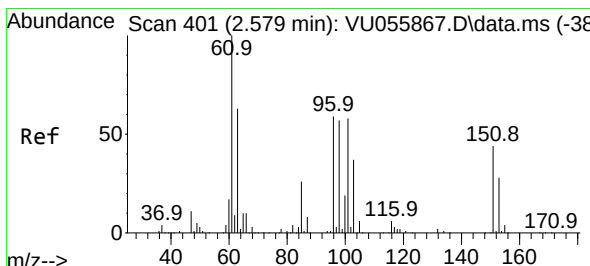
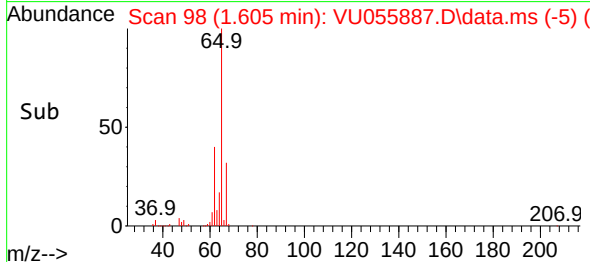
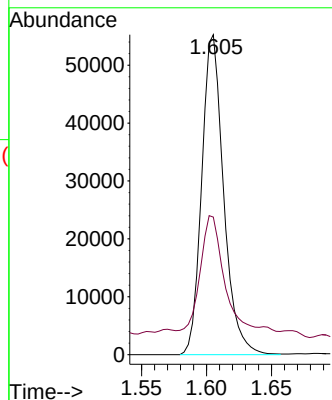
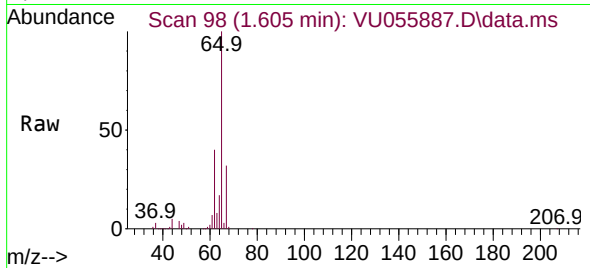




#5
 Vinyl chloride
 Concen: 13.218 ug/L
 RT: 1.605 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU055887.D
 Acq: 25 Oct 2023 18:22

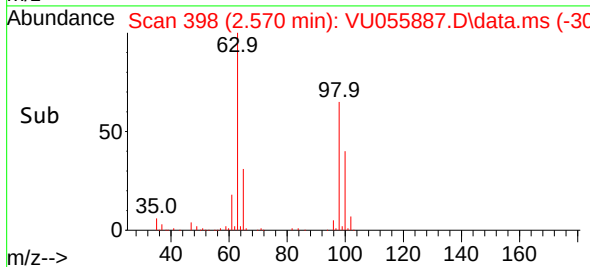
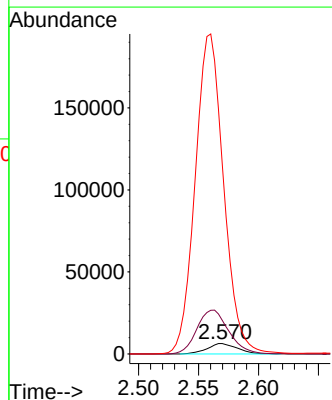
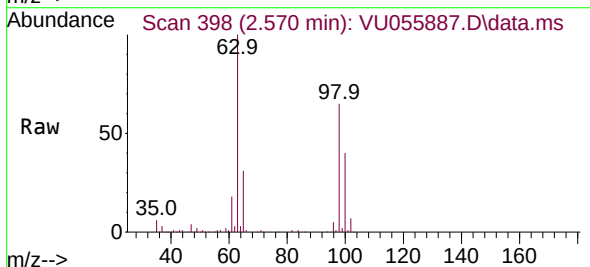
Instrument :
 MSVOA_U
 ClientSampleId :

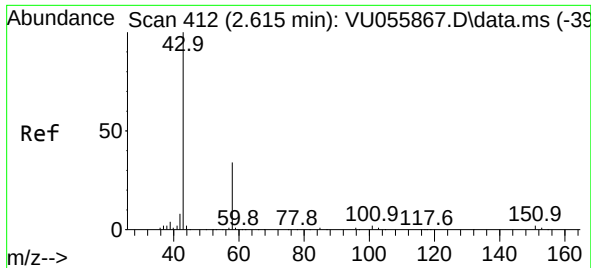
Tgt Ion: 62 Resp: 64972
 Ion Ratio Lower Upper
 62 100
 64 43.0 23.9 44.5



#12
 1,1-Dichloroethene
 Concen: 2.759 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.010 min
 Lab File: VU055887.D
 Acq: 25 Oct 2023 18:22

Tgt Ion: 96 Resp: 11087
 Ion Ratio Lower Upper
 96 100
 61 322.4 122.0 226.6#
 63 1822.2 93.7 174.1#





#13

Acetone

Concen: 3.729 ug/L

RT: 2.621 min Scan# 41

Delta R.T. 0.007 min

Lab File: VU055887.D

Acq: 25 Oct 2023 18:22

Instrument :

MSVOA_U

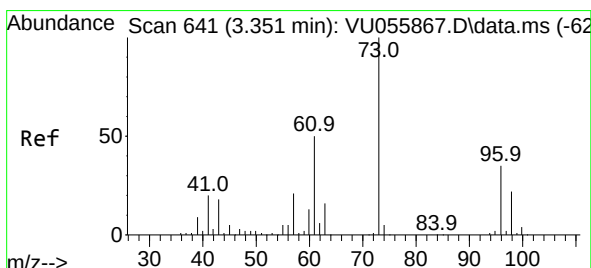
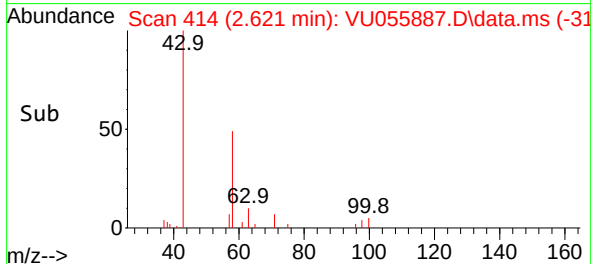
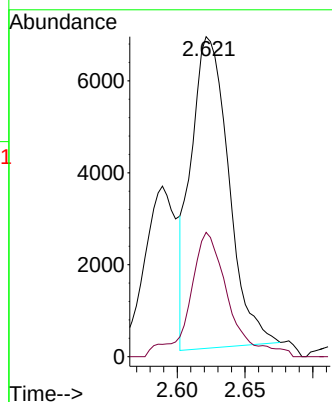
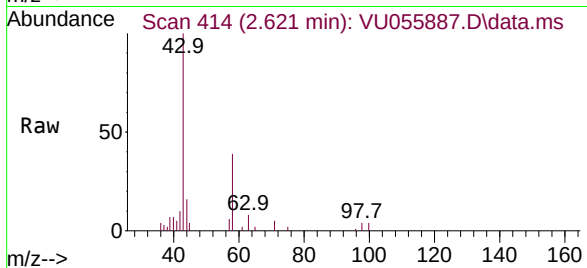
ClientSampleId :

Tgt Ion: 43 Resp: 13040

Ion Ratio Lower Upper

43 100

58 39.0 0.0 67.4



#17

trans-1,2-Dichloroethene

Concen: 0.967 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.000 min

Lab File: VU055887.D

Acq: 25 Oct 2023 18:22

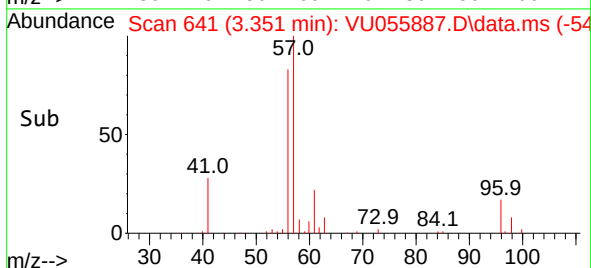
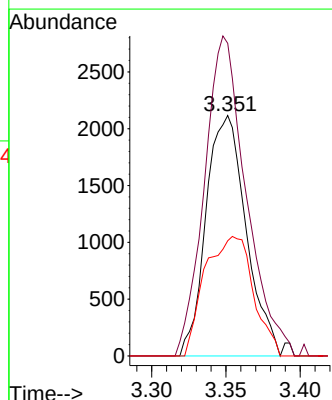
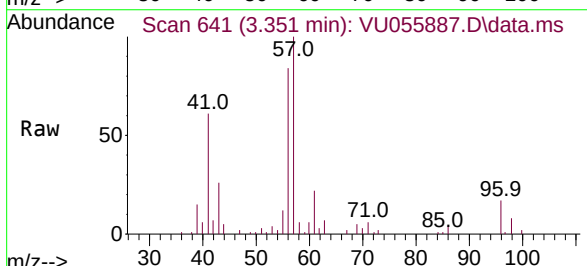
Tgt Ion: 96 Resp: 3975

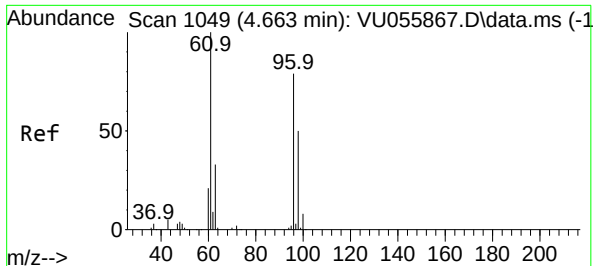
Ion Ratio Lower Upper

96 100

61 121.6 102.1 189.7

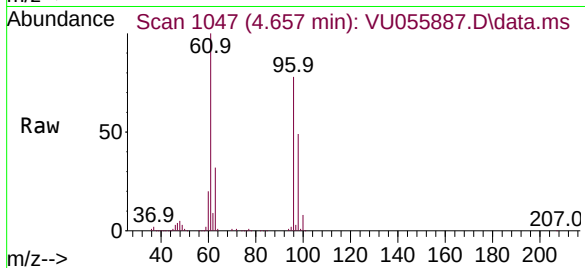
98 44.8 46.3 86.1#



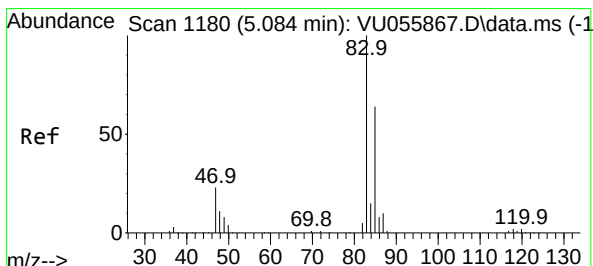
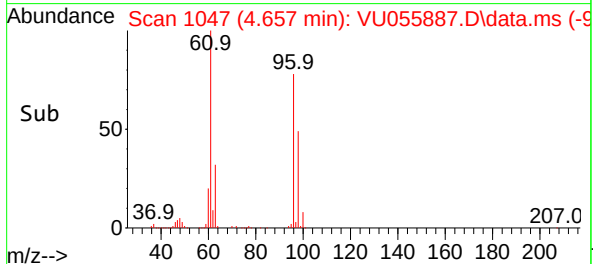
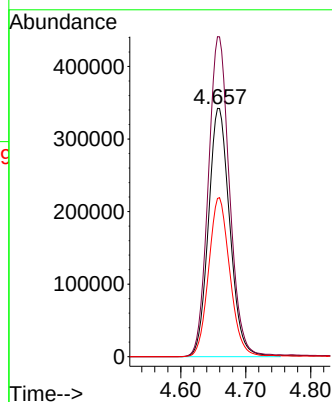


#20
cis-1,2-Dichloroethene
Concen: 166.569 ug/L
RT: 4.657 min Scan# 1107
Delta R.T. -0.006 min
Lab File: VU055887.D
Acq: 25 Oct 2023 18:22

Instrument :
MSVOA_U
ClientSampleId :

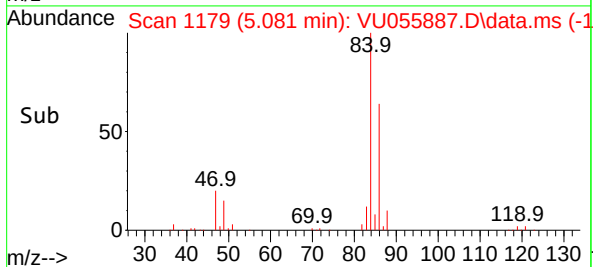
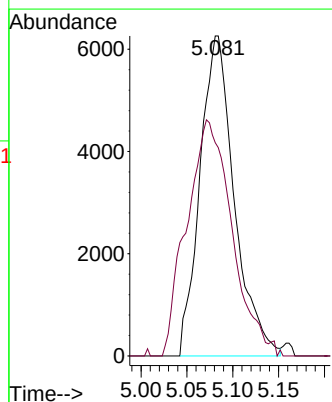
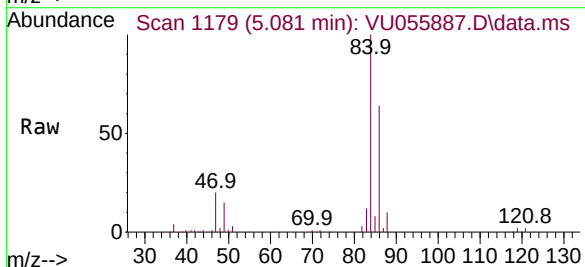


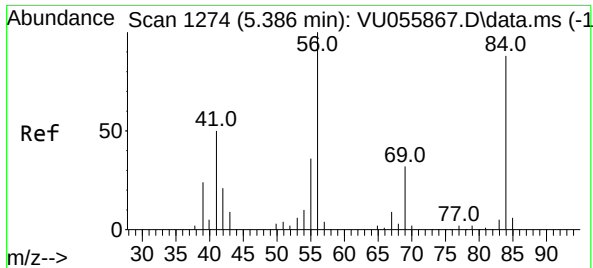
Tgt Ion: 96 Resp: 781277
Ion Ratio Lower Upper
96 100
61 128.9 92.3 171.5
98 63.7 43.9 81.5



#25
Chloroform
Concen: 1.852 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. -0.003 min
Lab File: VU055887.D
Acq: 25 Oct 2023 18:22

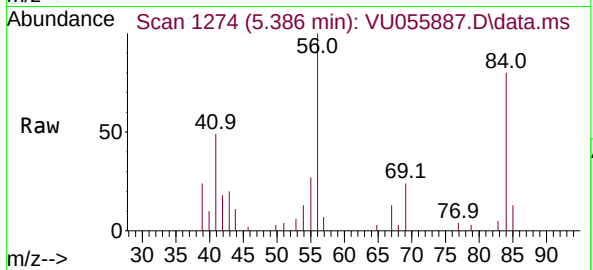
Tgt Ion: 83 Resp: 16301
Ion Ratio Lower Upper
83 100
85 66.7 46.3 86.1



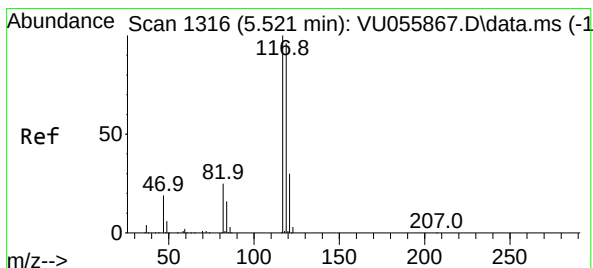
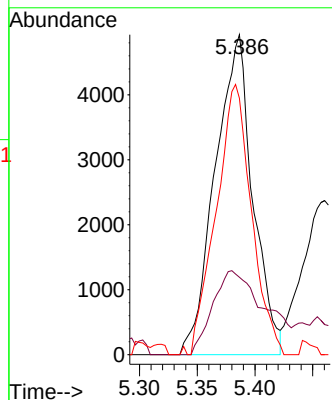
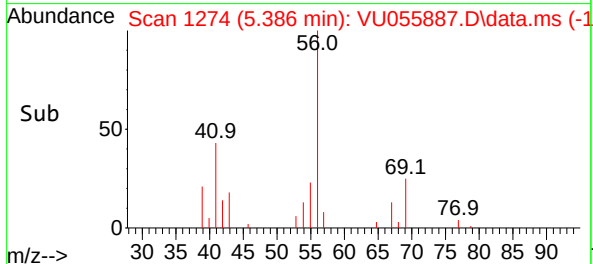


#29
Cyclohexane
Concen: 1.715 ug/L
RT: 5.386 min Scan# 11146
Delta R.T. 0.000 min
Lab File: VU055887.D
Acq: 25 Oct 2023 18:22

Instrument :
MSVOA_U
ClientSampleId :

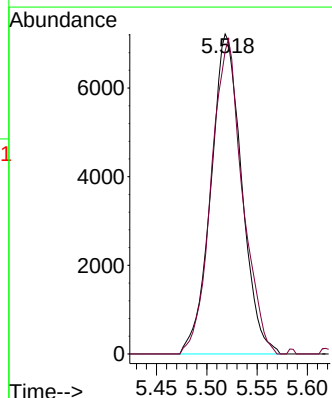
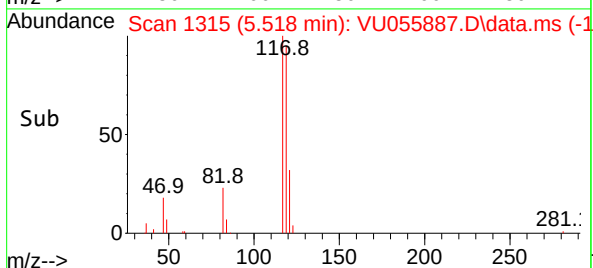
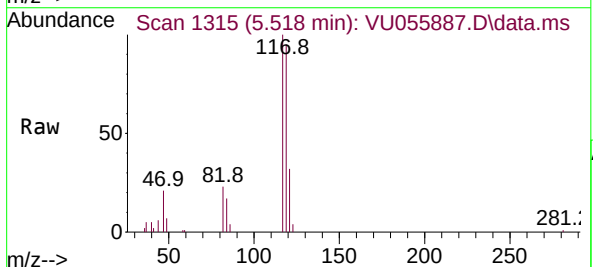


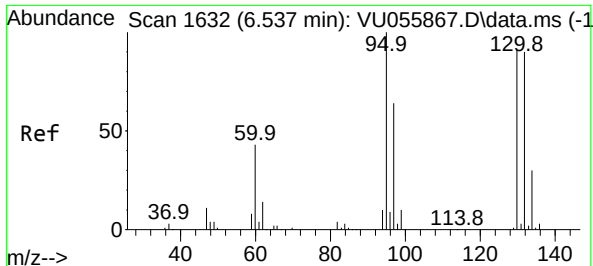
Tgt Ion:	56	69	84
Resp:	11146		
Ion Ratio	100	28.2	79.4
Lower		24.9	70.7
Upper		37.3	106.1



#31
Carbon tetrachloride
Concen: 2.396 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.003 min
Lab File: VU055887.D
Acq: 25 Oct 2023 18:22

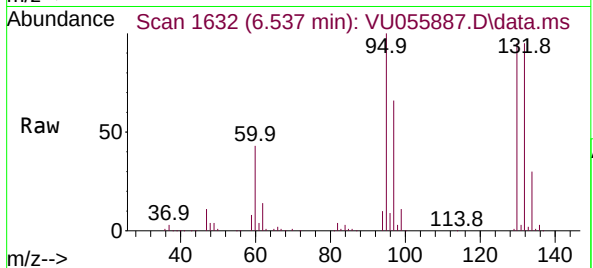
Tgt Ion:	117	119
Resp:	15359	
Ion Ratio	100	99.7
Lower		75.4
Upper		113.0



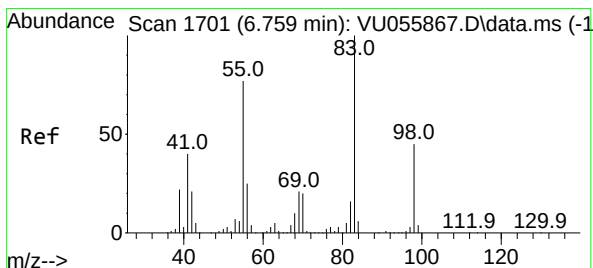
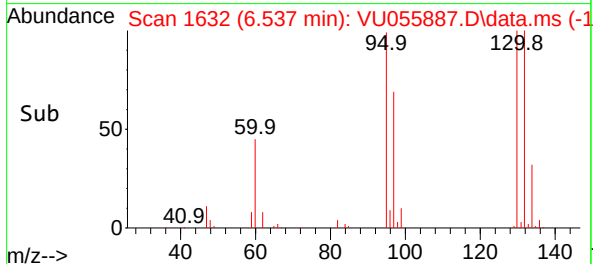
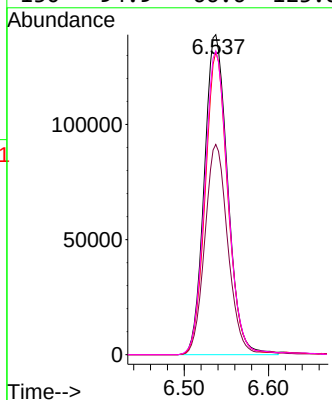


#34
Trichloroethene
Concen: 54.782 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU055887.D
Acq: 25 Oct 2023 18:22

Instrument :
MSVOA_U
ClientSampleId :

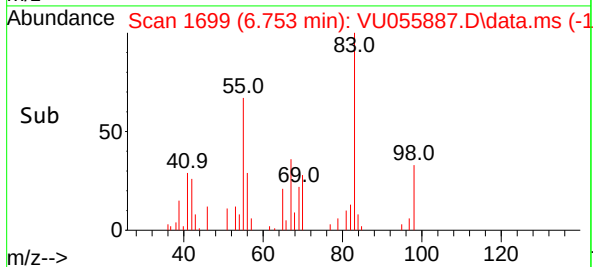
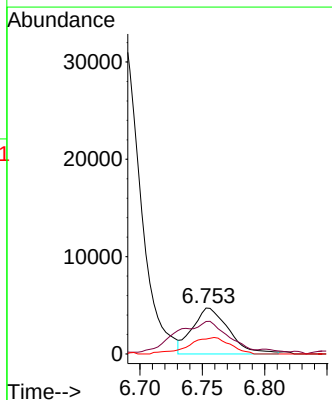
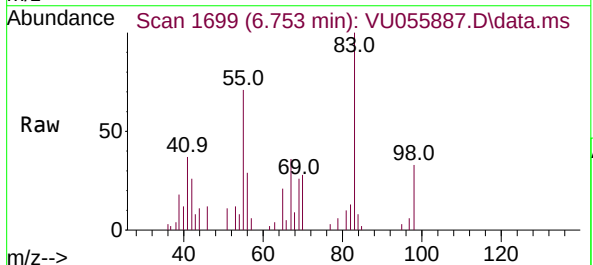


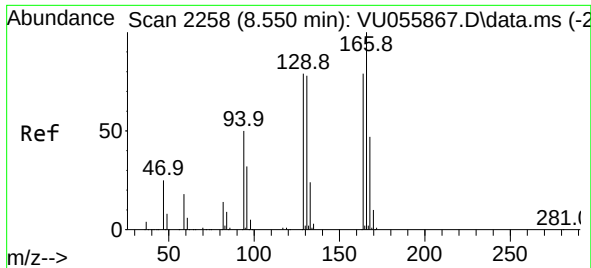
Tgt Ion: 95 Resp: 268640
Ion Ratio Lower Upper
95 100
97 65.7 44.4 82.5
132 94.6 61.8 114.8
130 94.9 66.6 123.8



#35
Methylcyclohexane
Concen: 1.342 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VU055887.D
Acq: 25 Oct 2023 18:22

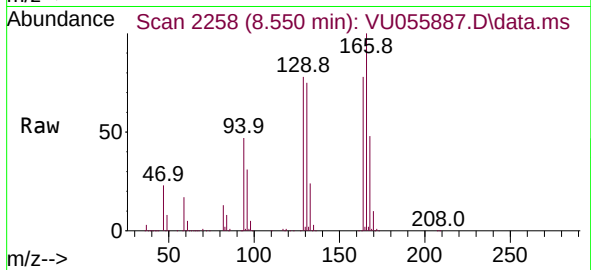
Tgt Ion: 83 Resp: 9546
Ion Ratio Lower Upper
83 100
55 54.2 61.2 91.8#
98 40.9 35.8 53.6





#46
 Tetrachloroethene
 Concen: 348.637 ug/L
 RT: 8.550 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU055887.D
 Acq: 25 Oct 2023 18:22

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:164 Resp: 1224066

Ion	Ratio	Lower	Upper
164	100		
129	100.7	70.7	131.3
131	96.2	65.9	122.5
166	128.6	87.8	163.0

