

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013123\
 Data File : VU052887.D
 Acq On : 31 Jan 2023 18:27
 Operator : JC/MD
 Sample : 01381-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 01 00:58:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 00:53:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	211172	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	212147	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	110750	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	58606	38.559	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.120%
7) Chloroethane-d5	1.909	69	59700	47.669	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.340%
11) 1,1-Dichloroethene-d2	2.565	63	97766	32.340	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.680%
21) 2-Butanone-d5	4.620	46	108227	115.266	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.270%
24) Chloroform-d	5.057	84	163506	50.406	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.820%
26) 1,2-Dichloroethane-d4	5.697	65	109157	52.702	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.400%
32) Benzene-d6	5.723	84	290972	44.893	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.780%
36) 1,2-Dichloropropane-d6	6.684	67	94808	49.875	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.740%
41) Toluene-d8	7.896	98	248150	42.046	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.100%
43) trans-1,3-Dichloroprop...	8.176	79	43798	45.970	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.940%
47) 2-Hexanone-d5	8.629	63	70615	105.723	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.720%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	142765	50.832	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.660%
66) 1,2-Dichlorobenzene-d4	11.809	152	89619	41.674	ug/L	-0.38
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.340%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	4588	2.543	ug/L #	73
8) Chloroethane	1.604	64	2175	1.919	ug/L #	66
12) 1,1-Dichloroethene	2.578	96	3291	2.107	ug/L #	1
17) trans-1,2-Dichloroethene	3.350	96	4025	2.384	ug/L	90
20) cis-1,2-Dichloroethene	4.662	96	570734	316.643	ug/L	97
25) Chloroform	5.080	83	4590	1.381	ug/L	94
33) Benzene	5.771	78	78772	10.908	ug/L	100
34) Trichloroethene	6.536	95	366513	199.680	ug/L	97
37) 1,2-Dichloropropane	6.684	63	10728	6.042	ug/L #	85
51) Chlorobenzene	9.443	112	3221388	632.642	ug/L	100
60) 1,2,3-Trichloropropane	11.742	75	15915	7.408	ug/L #	48
64) 1,3-Dichlorobenzene	11.742	146	58017	16.077	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	511486	136.909	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	2874095	787.387	ug/L	99
69) 1,3,5-Trichlorobenzene	13.835	180	490330	183.532	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	490330	218.909	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	110913	46.855	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013123\
Data File : VU052887.D
Acq On : 31 Jan 2023 18:27
Operator : JC/MD
Sample : 01381-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Feb 01 00:58:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 01 00:53:48 2023
Response via : Initial Calibration

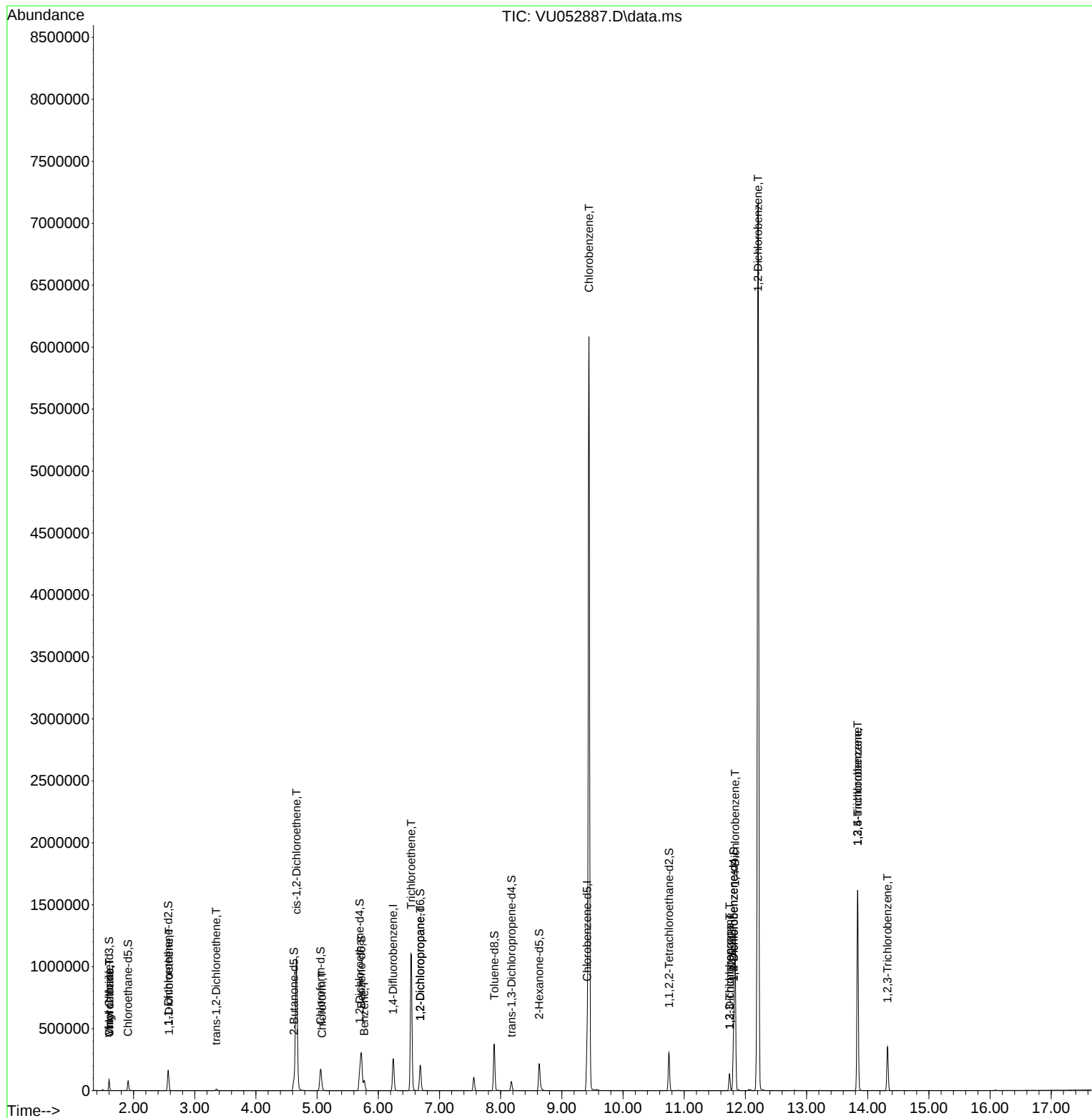
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

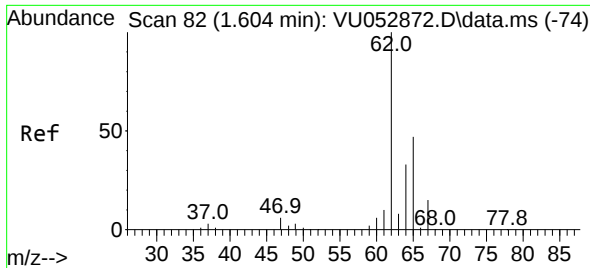
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013123\
Data File : VU052887.D
Acq On : 31 Jan 2023 18:27
Operator : JC/MD
Sample : 01381-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Feb 01 00:58:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 01 00:53:48 2023
Response via : Initial Calibration

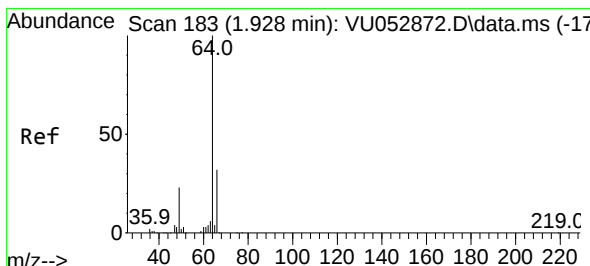
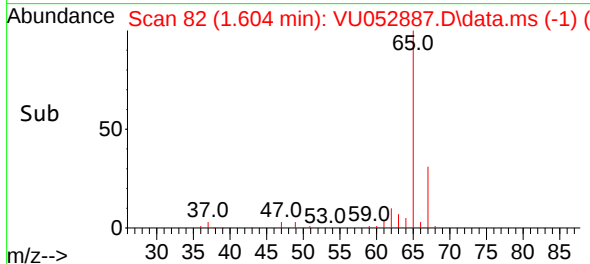
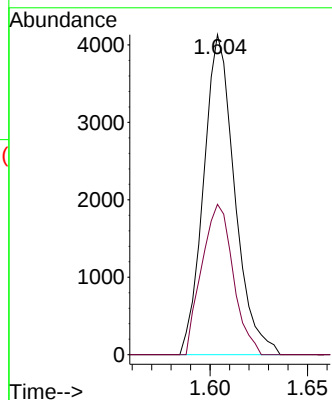
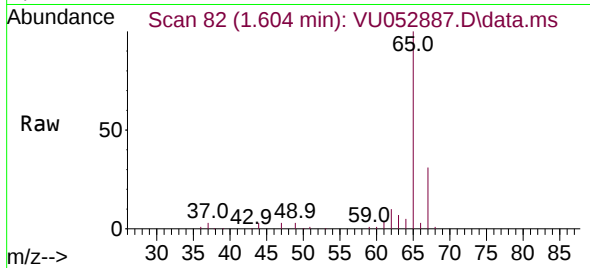




#5
 Vinyl chloride
 Concen: 2.543 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU052887.D
 Acq: 31 Jan 2023 18:27

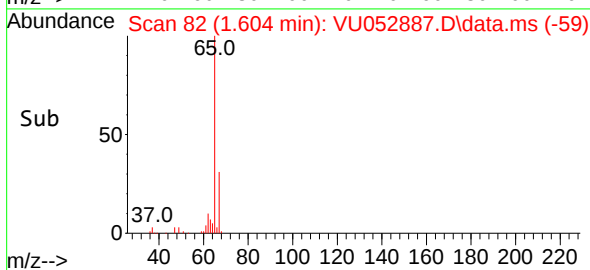
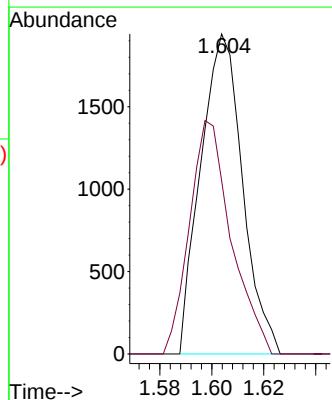
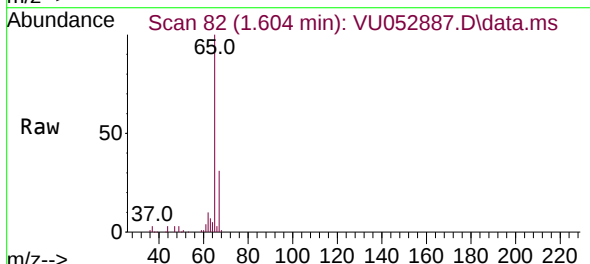
Instrument :
 MSVOA_U
 ClientSampleId :

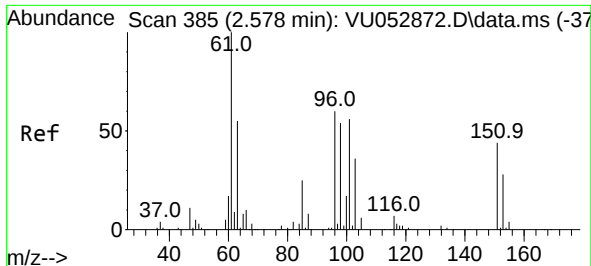
Tgt Ion: 62 Resp: 4588
 Ion Ratio Lower Upper
 62 100
 64 47.0 22.4 41.6#



#8
 Chloroethane
 Concen: 1.919 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.325 min
 Lab File: VU052887.D
 Acq: 31 Jan 2023 18:27

Tgt Ion: 64 Resp: 2175
 Ion Ratio Lower Upper
 64 100
 66 54.2 24.1 44.7#





#12

1,1-Dichloroethene

Concen: 2.107 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU052887.D

Acq: 31 Jan 2023 18:27

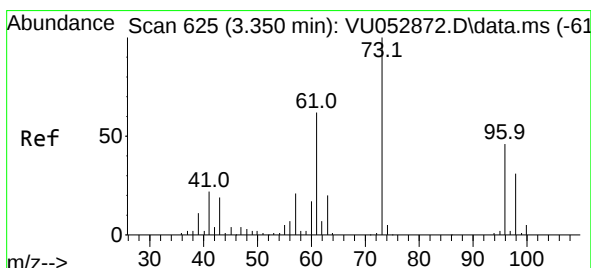
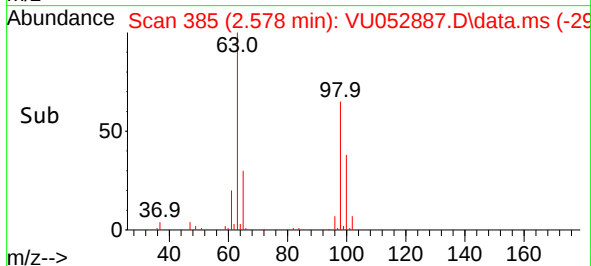
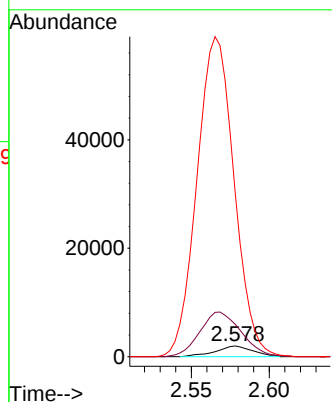
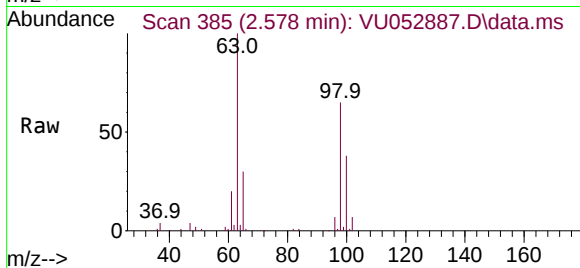
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 3291

Ion	Ratio	Lower	Upper
96	100		
61	302.0	114.3	212.3#
63	1534.0	80.6	149.6#



#17

trans-1,2-Dichloroethene

Concen: 2.384 ug/L

RT: 3.350 min Scan# 625

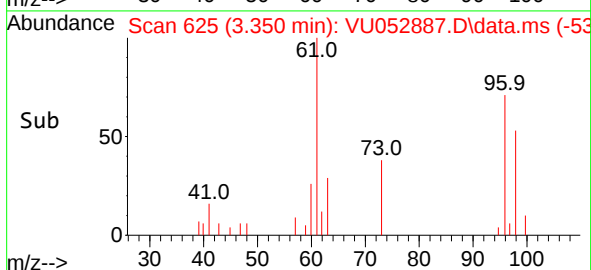
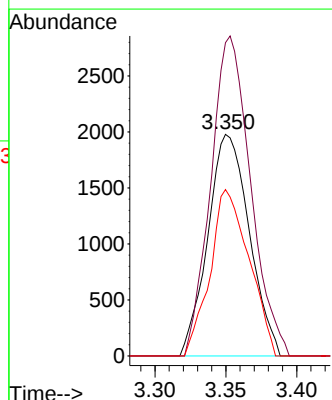
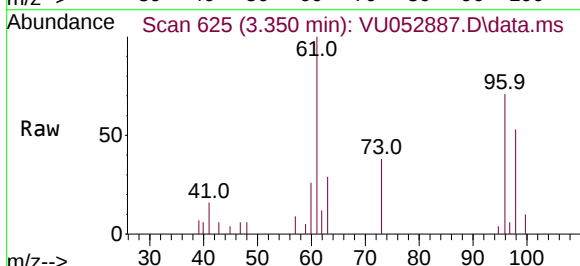
Delta R.T. 0.000 min

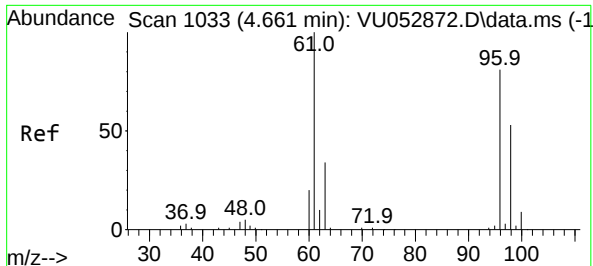
Lab File: VU052887.D

Acq: 31 Jan 2023 18:27

Tgt Ion: 96 Resp: 4025

Ion	Ratio	Lower	Upper
96	100		
61	141.3	92.7	172.3
98	75.1	44.7	82.9

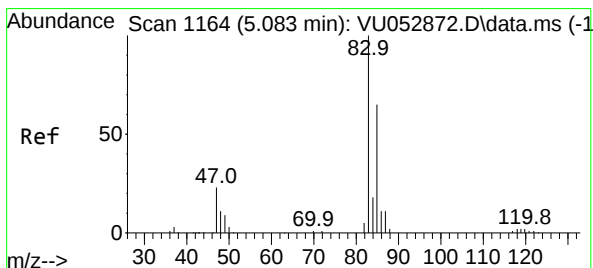
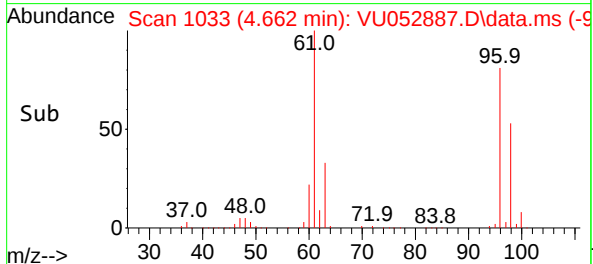
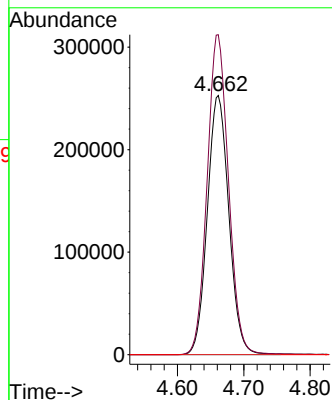
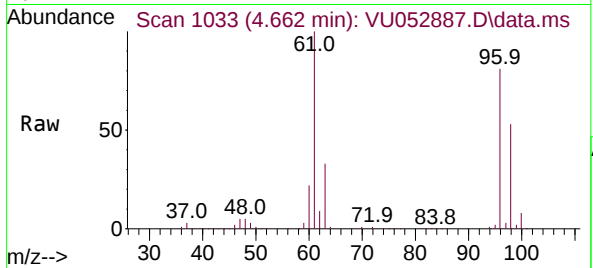




#20
cis-1,2-Dichloroethene
Concen: 316.643 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU052887.D
Acq: 31 Jan 2023 18:27

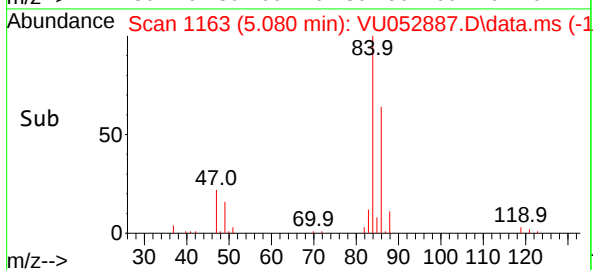
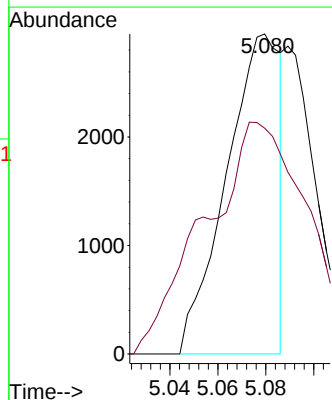
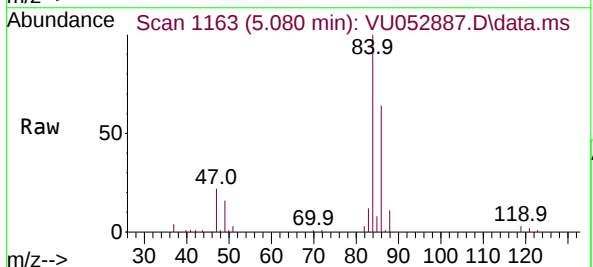
Instrument :
MSVOA_U
ClientSampleId :

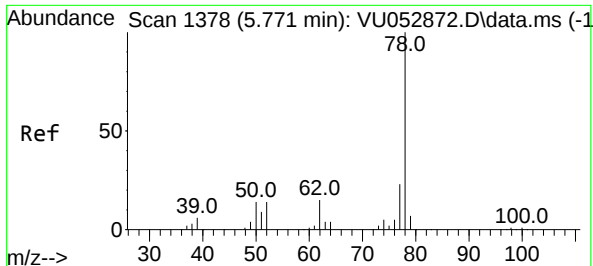
Tgt Ion: 96 Resp: 570734
Ion Ratio Lower Upper
96 100
61 123.5 84.1 156.1
68 0.0 0.0 0.0



#25
Chloroform
Concen: 1.381 ug/L
RT: 5.080 min Scan# 1163
Delta R.T. -0.003 min
Lab File: VU052887.D
Acq: 31 Jan 2023 18:27

Tgt Ion: 83 Resp: 4590
Ion Ratio Lower Upper
83 100
85 70.5 45.8 85.0

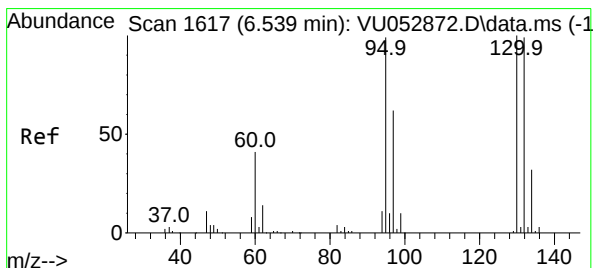
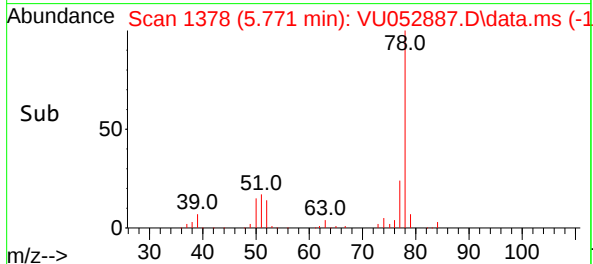
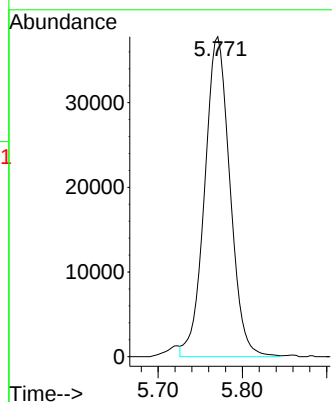
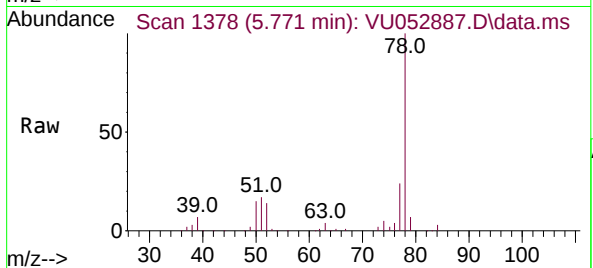




#33
Benzene
Concen: 10.908 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052887.D
Acq: 31 Jan 2023 18:27

Instrument :
MSVOA_U
ClientSampleId :

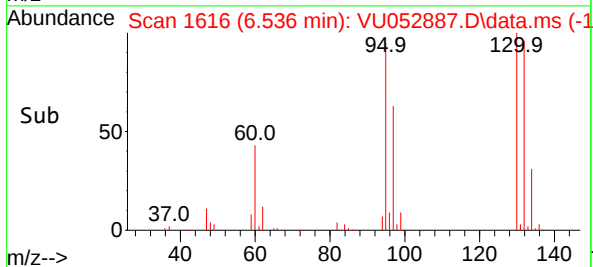
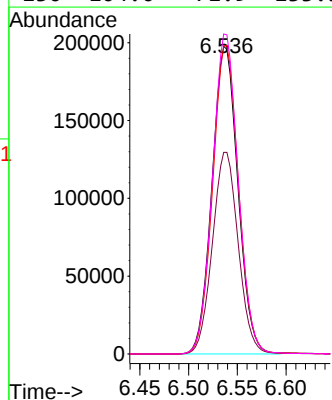
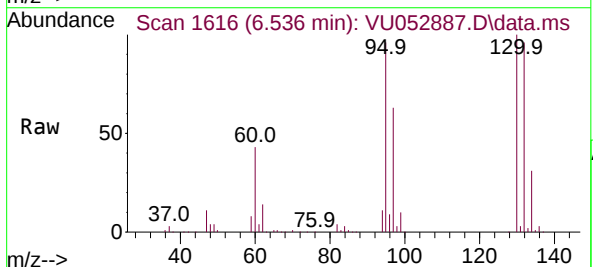
Tgt Ion: 78 Resp: 78772

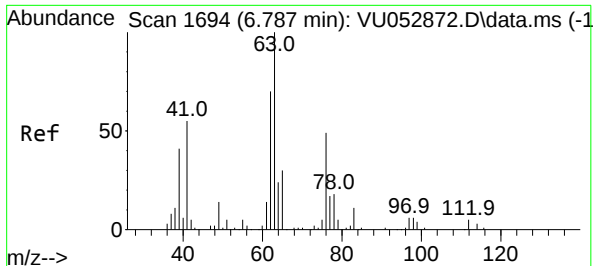


#34
Trichloroethene
Concen: 199.680 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU052887.D
Acq: 31 Jan 2023 18:27

Tgt Ion: 95 Resp: 366513

Ion	Ratio	Lower	Upper
95	100		
97	65.5	44.5	82.7
132	100.0	66.8	124.0
130	104.0	71.9	133.5





#37

1,2-Dichloropropane

Concen: 6.042 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU052887.D

Acq: 31 Jan 2023 18:27

Instrument :

MSVOA_U

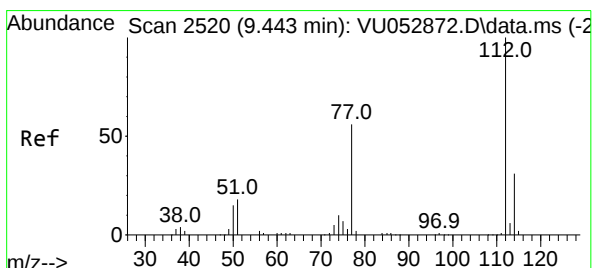
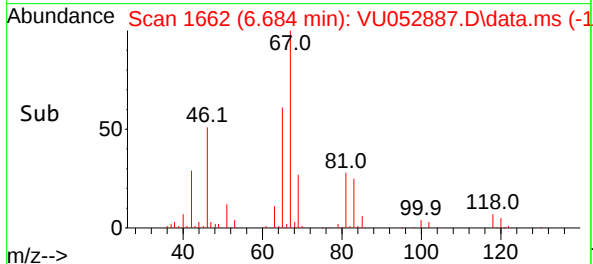
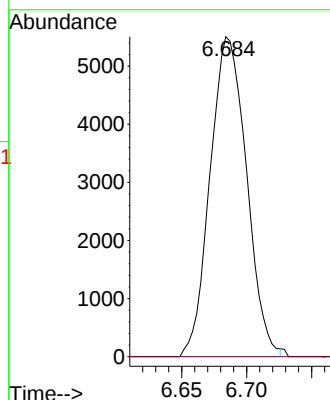
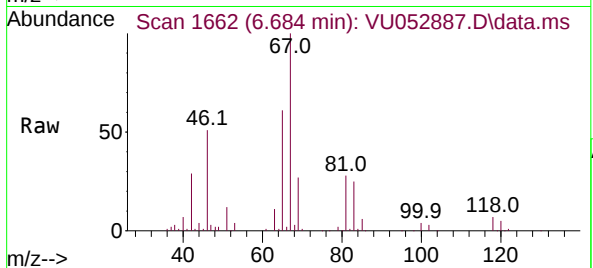
ClientSampleId :

Tgt Ion: 63 Resp: 10728

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#51

Chlorobenzene

Concen: 632.642 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU052887.D

Acq: 31 Jan 2023 18:27

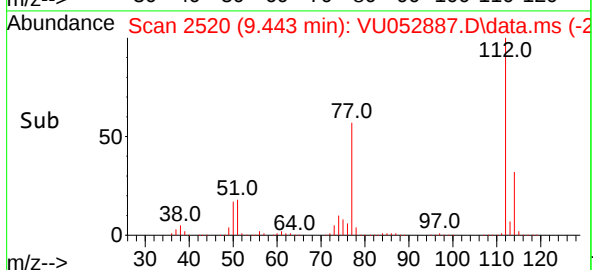
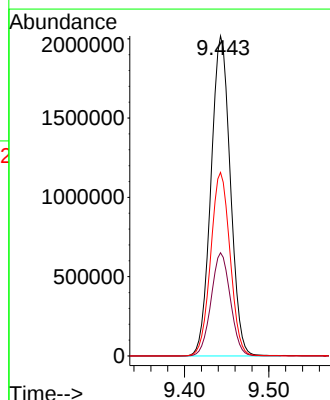
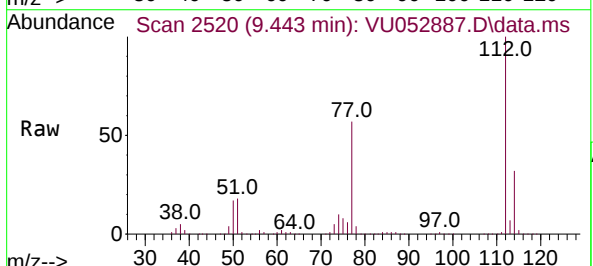
Tgt Ion: 112 Resp: 3221388

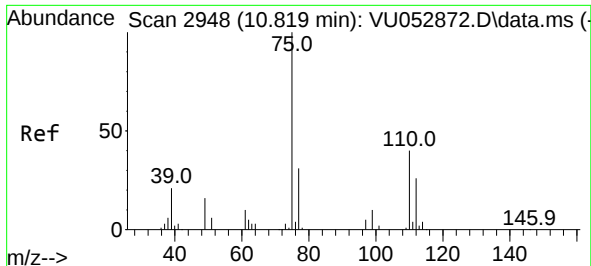
Ion Ratio Lower Upper

112 100

114 32.2 22.8 42.4

77 57.4 45.9 68.9

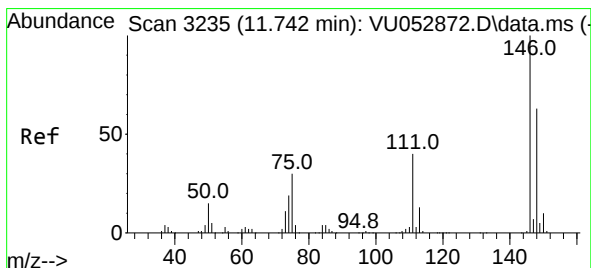
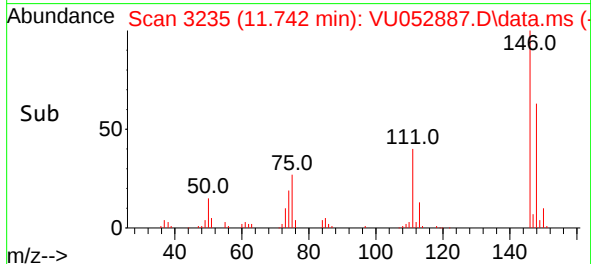
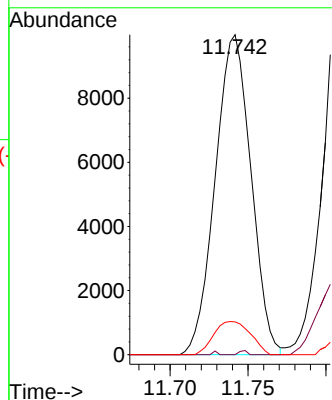
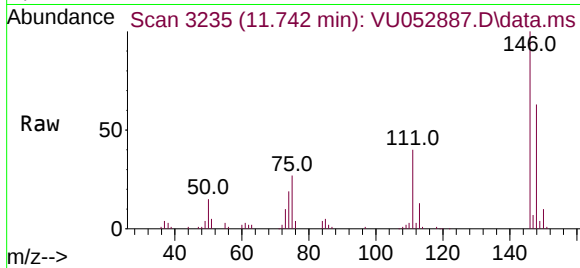




#60
 1,2,3-Trichloropropane
 Concen: 7.408 ug/L
 RT: 11.742 min Scan# 31
 Delta R.T. 0.923 min
 Lab File: VU052887.D
 Acq: 31 Jan 2023 18:27

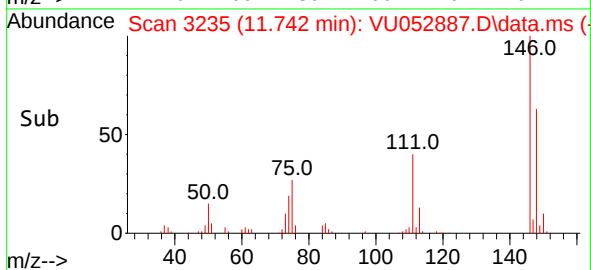
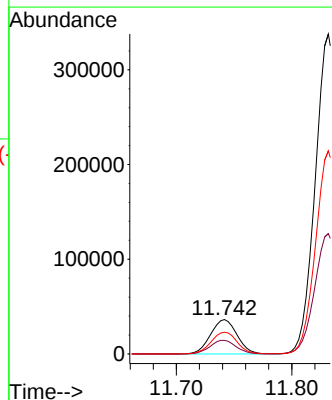
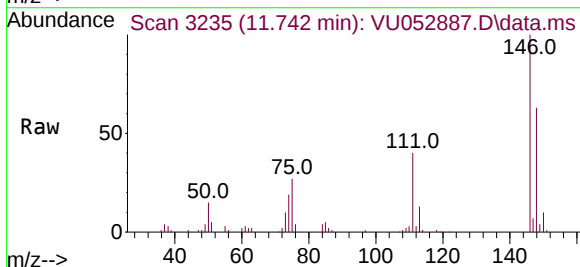
Instrument :
 MSVOA_U
 ClientSampleId :

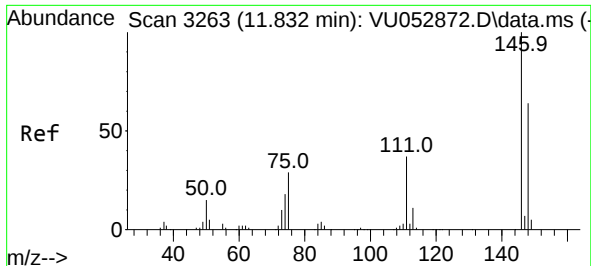
Tgt Ion: 75 Resp: 15915
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.8 38.8#
 110 10.7 32.4 48.6#



#64
 1,3-Dichlorobenzene
 Concen: 16.077 ug/L
 RT: 11.742 min Scan# 3235
 Delta R.T. 0.000 min
 Lab File: VU052887.D
 Acq: 31 Jan 2023 18:27

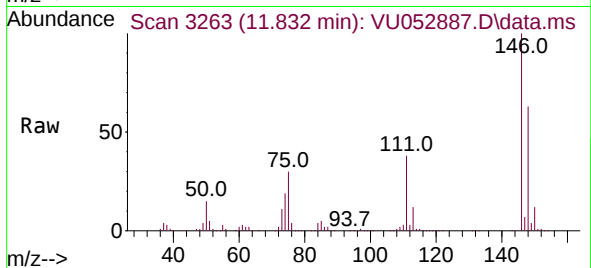
Tgt Ion:146 Resp: 58017
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.8 51.6
 148 63.3 45.5 84.5



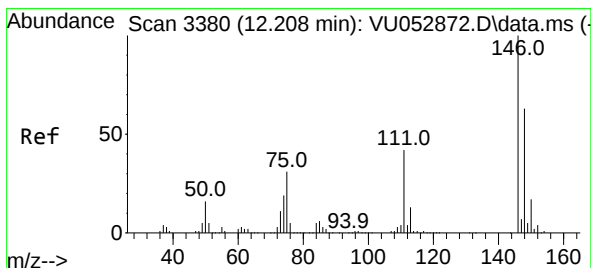
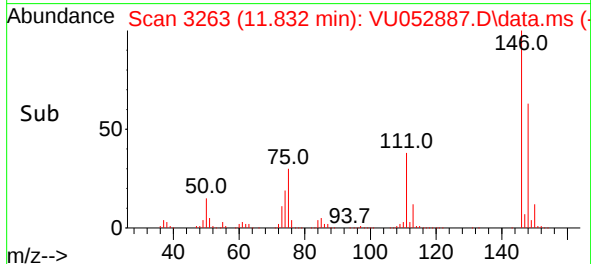
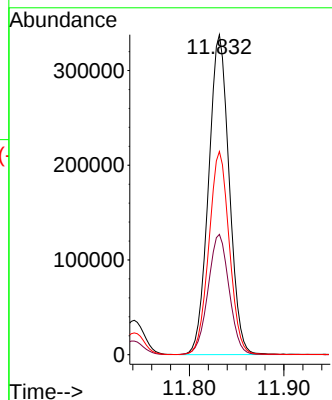


#65
1,4-Dichlorobenzene
Concen: 136.909 ug/L
RT: 11.832 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052887.D
Acq: 31 Jan 2023 18:27

Instrument :
MSVOA_U
ClientSampleId :

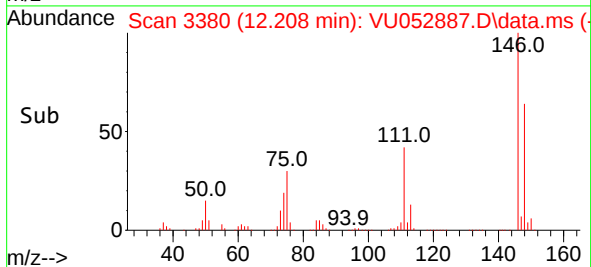
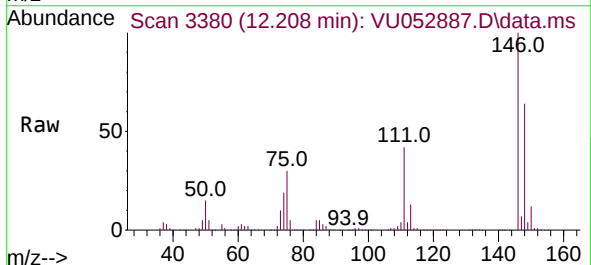
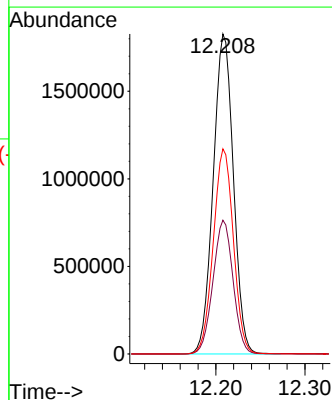


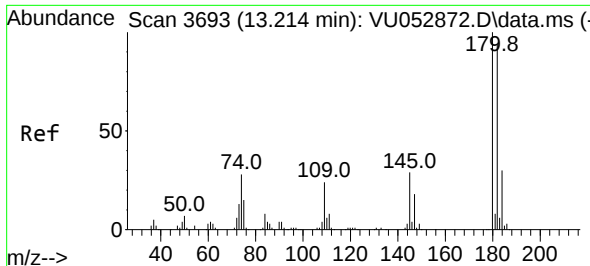
Tgt Ion:146 Resp: 511486
Ion Ratio Lower Upper
146 100
111 37.6 26.7 49.7
148 63.5 45.6 84.6



#67
1,2-Dichlorobenzene
Concen: 787.387 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU052887.D
Acq: 31 Jan 2023 18:27

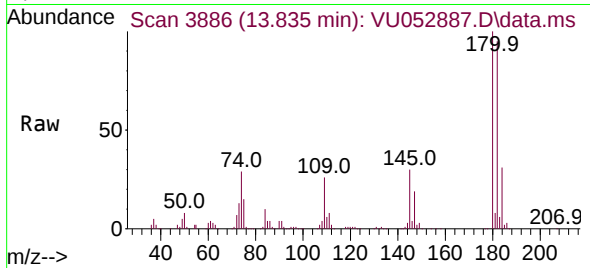
Tgt Ion:146 Resp: 2874095
Ion Ratio Lower Upper
146 100
111 41.8 33.2 49.8
148 64.1 50.2 75.4



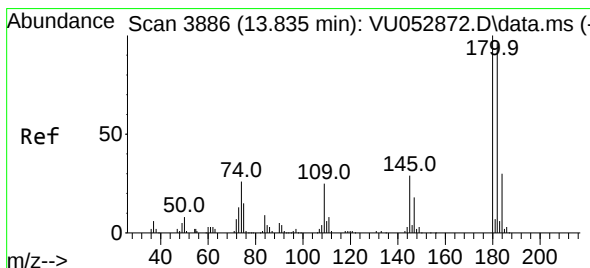
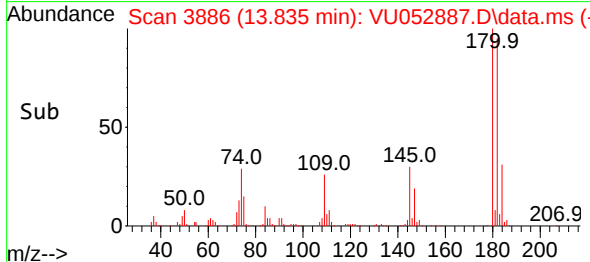
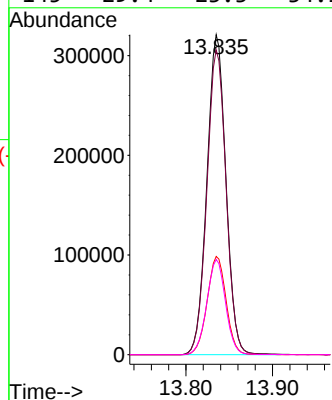


#69
 1,3,5-Trichlorobenzene
 Concen: 183.532 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.621 min
 Lab File: VU052887.D
 Acq: 31 Jan 2023 18:27

Instrument :
 MSVOA_U
 ClientSampleId :

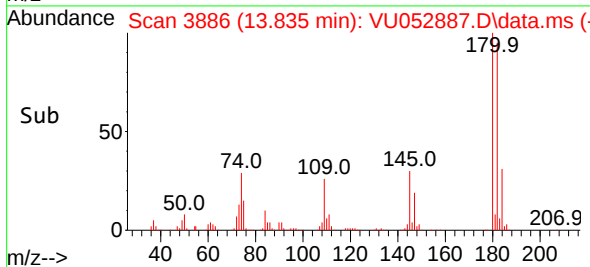
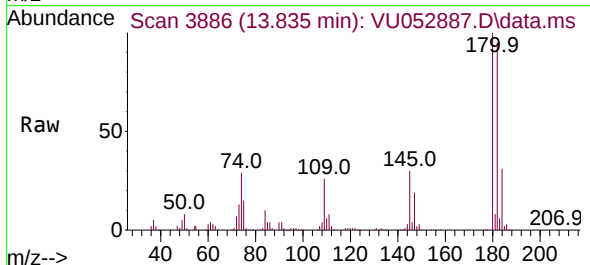
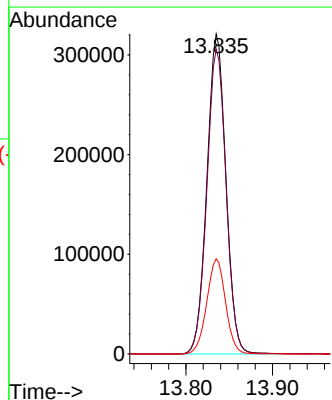


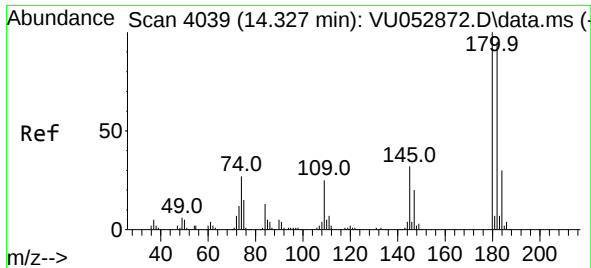
Tgt Ion:180 Resp: 490330
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.0 115.6
 184 30.6 24.4 36.6
 145 29.4 23.3 34.9



#70
 1,2,4-trichlorobenzene
 Concen: 218.909 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU052887.D
 Acq: 31 Jan 2023 18:27

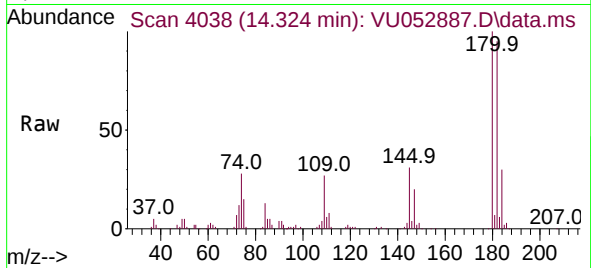
Tgt Ion:180 Resp: 490330
 Ion Ratio Lower Upper
 180 100
 182 96.0 78.2 117.2
 145 29.4 23.4 35.2





#72
 1,2,3-Trichlorobenzene
 Concen: 46.855 ug/L
 RT: 14.324 min Scan# 4038
 Delta R.T. -0.003 min
 Lab File: VU052887.D
 Acq: 31 Jan 2023 18:27

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 110913
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.5 116.3
 145 31.5 24.2 36.4

