

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040423\
 Data File : VU053572.D
 Acq On : 04 Apr 2023 19:30
 Operator : JC/MD
 Sample : 02158-17DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 04 23:14:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

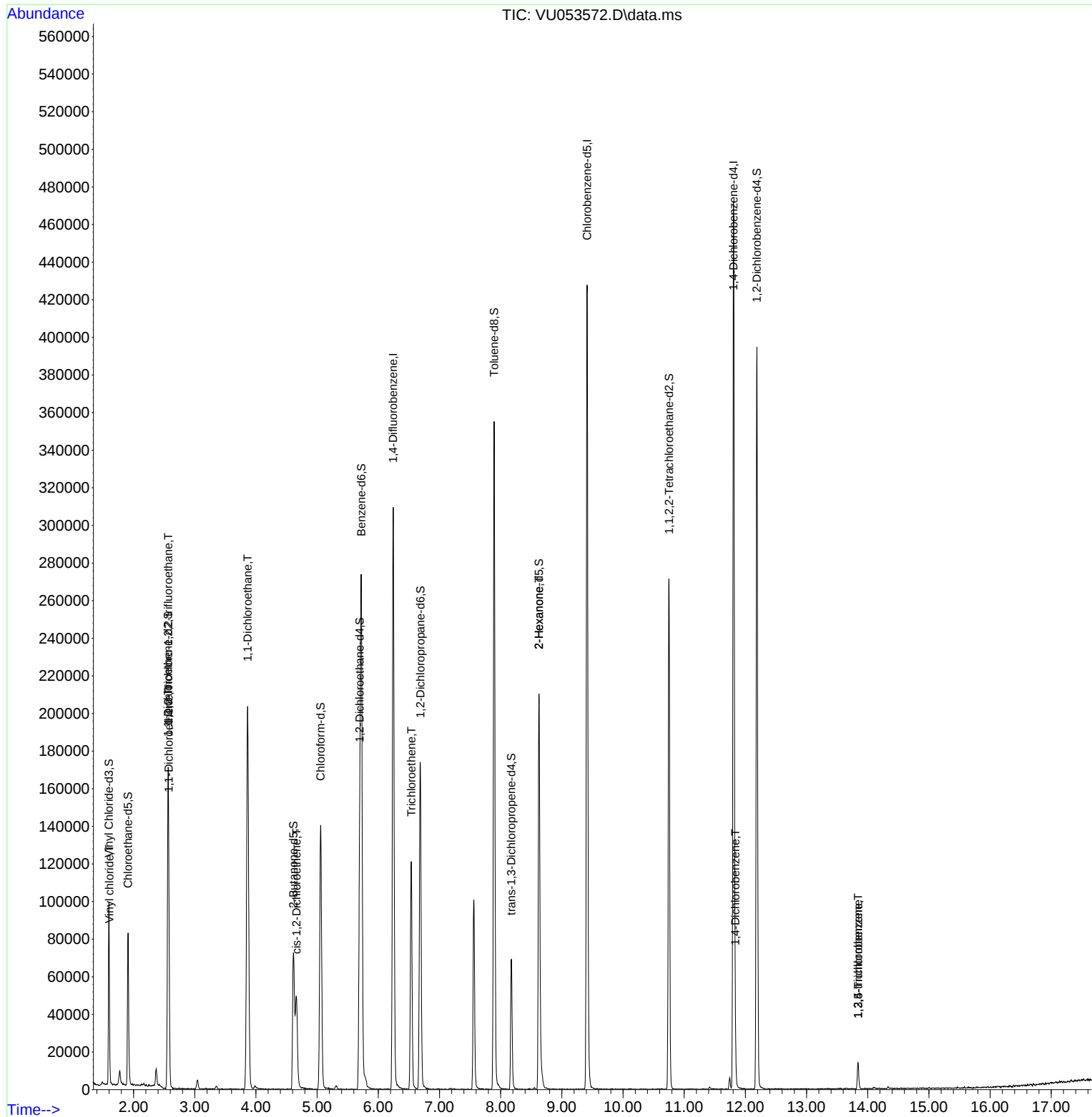
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	270093	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	252820	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	128019	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	67951	32.310	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.620%
7) Chloroethane-d5	1.909	69	60409	37.254	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.500%
11) 1,1-Dichloroethene-d2	2.562	63	92145	28.304	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.600%#
21) 2-Butanone-d5	4.613	46	103224	108.406	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.410%
24) Chloroform-d	5.057	84	134647	38.712	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.420%
26) 1,2-Dichloroethane-d4	5.697	65	89501	43.547	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.100%
32) Benzene-d6	5.723	84	268039	39.277	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.560%
36) 1,2-Dichloropropane-d6	6.687	67	88101	42.237	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.480%
41) Toluene-d8	7.893	98	244776	36.088	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.180%#
43) trans-1,3-Dichloroprop...	8.173	79	41351	38.405	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.800%
47) 2-Hexanone-d5	8.626	63	78364	110.080	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.080%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	130478	44.381	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.760%
66) 1,2-Dichlorobenzene-d4	12.188	152	104300	39.031	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.060%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	3040	1.456	ug/L #	47
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1559	0.838	ug/L #	64
12) 1,1-Dichloroethene	2.575	96	16603	10.018	ug/L #	1
19) 1,1-Dichloroethane	3.864	63	227796	82.563	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	26083	13.558	ug/L	93
34) Trichloroethene	6.539	95	39950	20.053	ug/L	95
48) 2-Hexanone	8.626	43	8014	5.451	ug/L #	72
65) 1,4-Dichlorobenzene	11.835	146	13627	3.381	ug/L	95
69) 1,3,5-Trichlorobenzene	13.841	180	5612	1.916	ug/L #	95
70) 1,2,4-trichlorobenzene	13.841	180	5612	2.067	ug/L	96

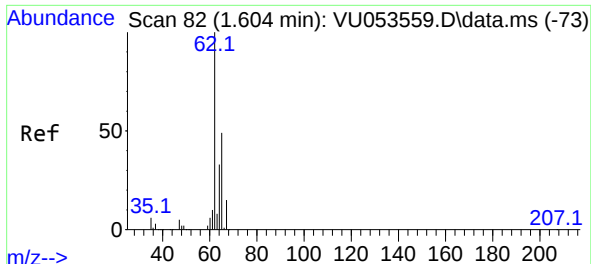
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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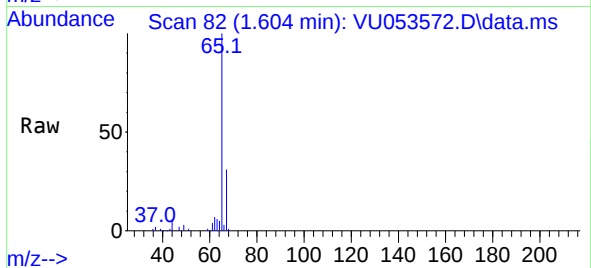
Quant Time: Apr 04 23:14:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 01 04:51:17 2023
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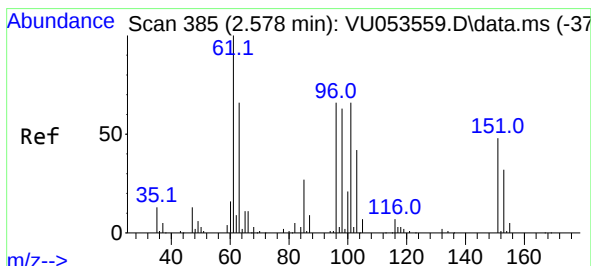
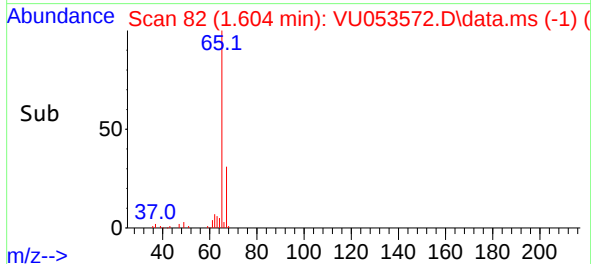
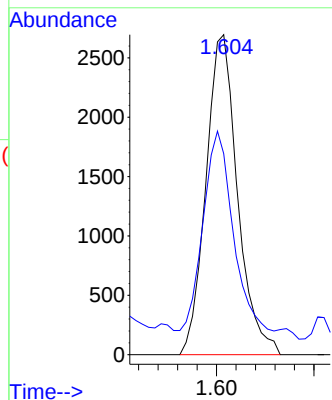


#5
Vinyl chloride
Concen: 1.456 ug/L
RT: 1.604 min Scan# 81
Delta R.T. 0.000 min
Lab File: VU053572.D
Acq: 04 Apr 2023 19:30

Instrument :
MSVOA_U
ClientSampleId :

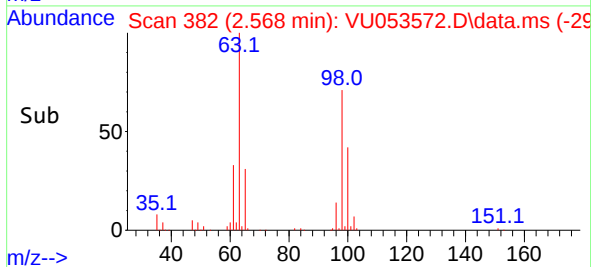
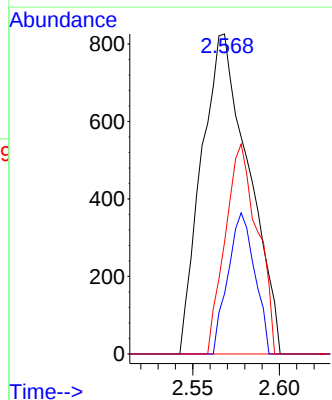
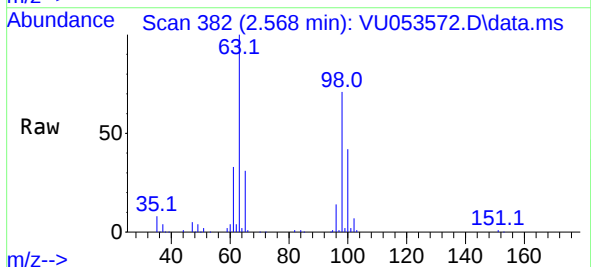


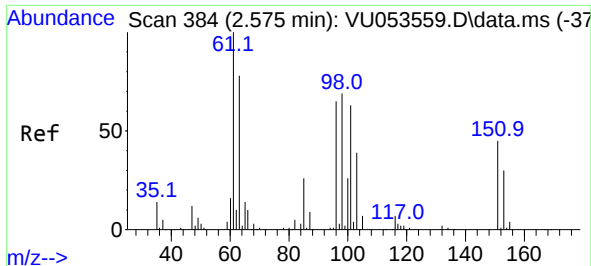
Tgt Ion: 62 Resp: 3040
Ion Ratio Lower Upper
62 100
64 62.8 23.2 43.0#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.838 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.010 min
Lab File: VU053572.D
Acq: 04 Apr 2023 19:30

Tgt Ion: 101 Resp: 1559
Ion Ratio Lower Upper
101 100
85 25.1 32.6 48.8#
151 45.0 65.8 98.6#





#12

1,1-Dichloroethene

Concen: 10.018 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU053572.D

Acq: 04 Apr 2023 19:30

Instrument :

MSVOA_U

ClientSampleId :

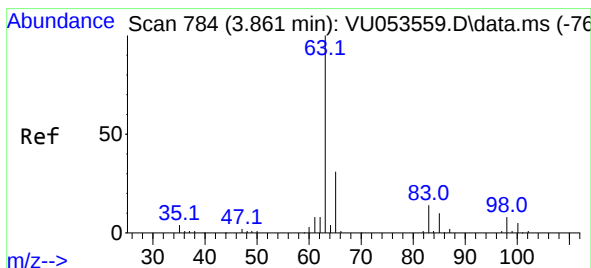
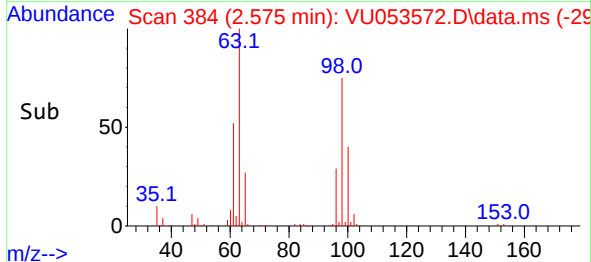
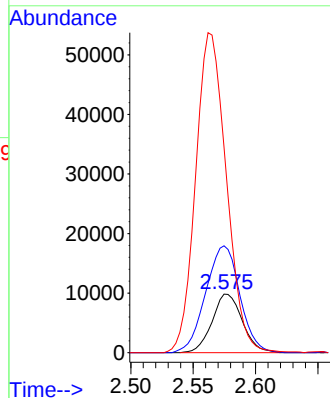
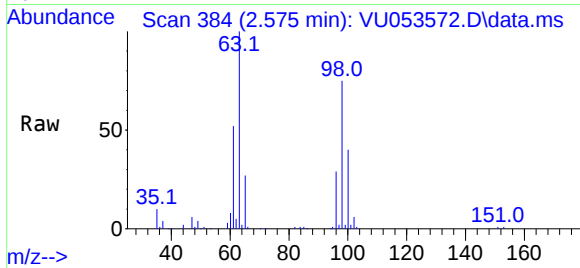
Tgt Ion: 96 Resp: 16603

Ion Ratio Lower Upper

96 100

61 182.2 107.9 200.5

63 349.9 79.1 146.9#



#19

1,1-Dichloroethane

Concen: 82.563 ug/L

RT: 3.864 min Scan# 785

Delta R.T. 0.000 min

Lab File: VU053572.D

Acq: 04 Apr 2023 19:30

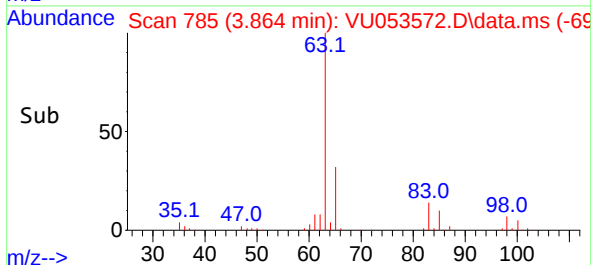
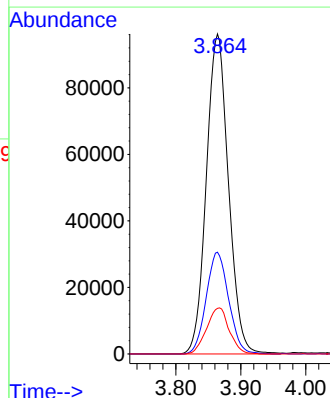
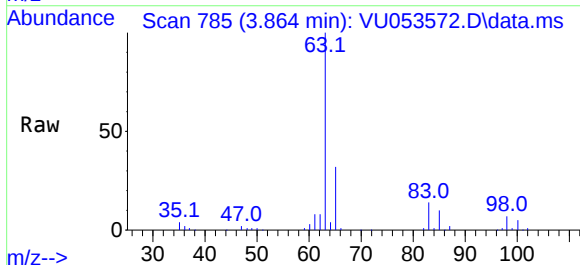
Tgt Ion: 63 Resp: 227796

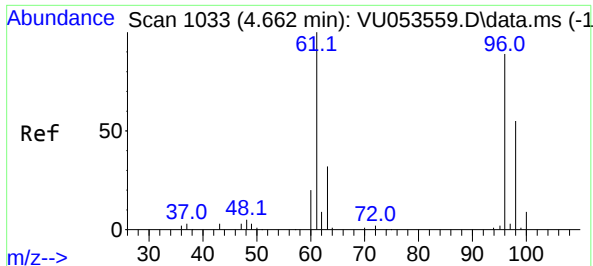
Ion Ratio Lower Upper

63 100

65 31.8 22.0 41.0

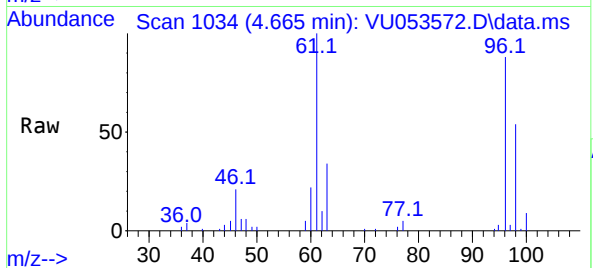
83 14.3 10.8 20.0





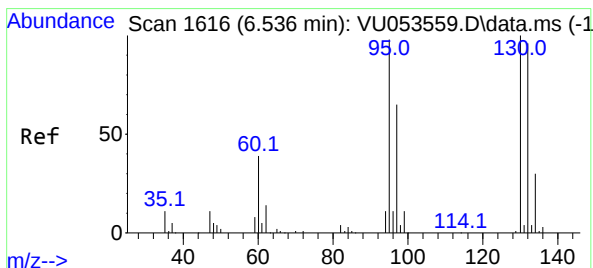
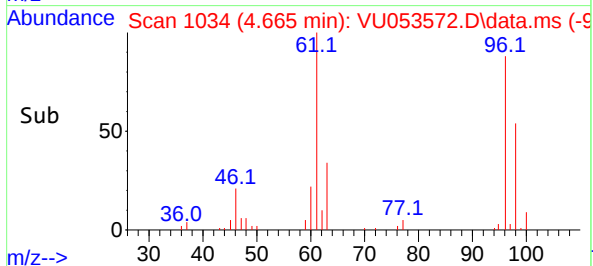
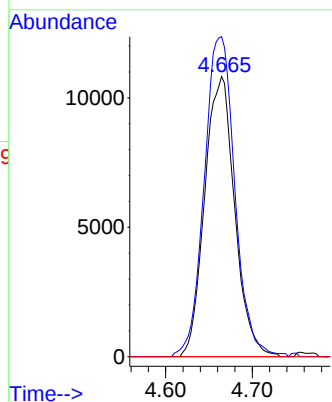
cis-1,2-Dichloroethene
 Concen: 13.558 ug/L
 RT: 4.665 min Scan# 1033
 Delta R.T. 0.003 min
 Lab File: VU053572.D
 Acq: 04 Apr 2023 19:30

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 26083

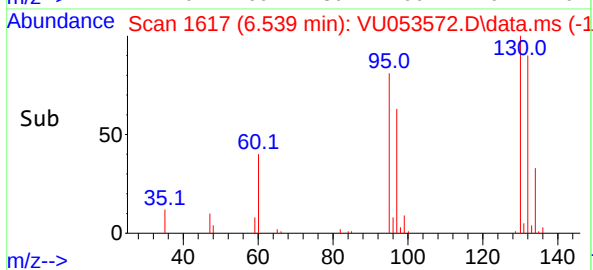
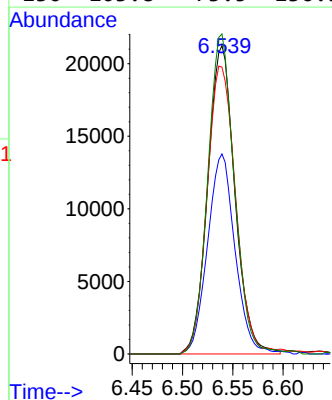
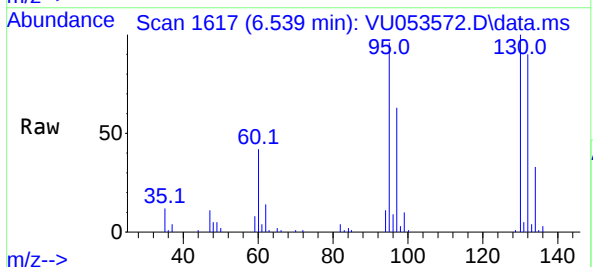
Ion	Ratio	Lower	Upper
96	100		
61	114.2	74.7	138.7
68	0.0	0.0	0.0

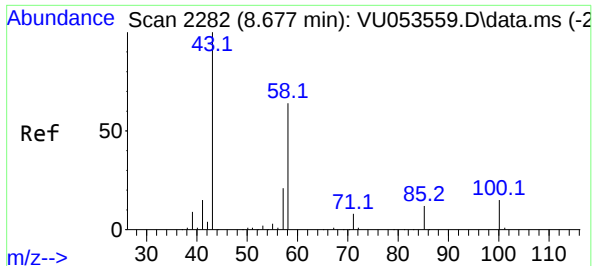


Trichloroethene
 Concen: 20.053 ug/L
 RT: 6.539 min Scan# 1617
 Delta R.T. 0.003 min
 Lab File: VU053572.D
 Acq: 04 Apr 2023 19:30

Tgt Ion: 95 Resp: 39950

Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.1	83.7
132	93.0	74.1	137.5
130	103.8	73.5	136.5



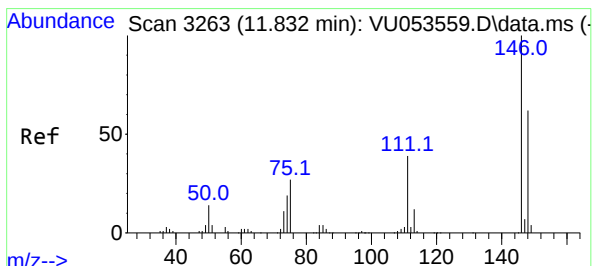
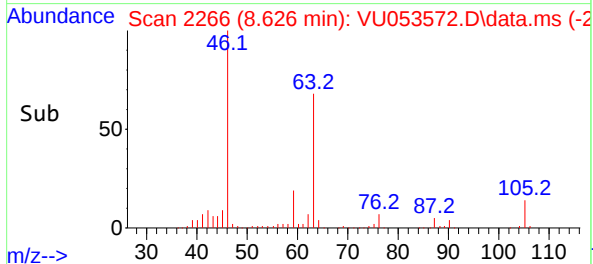
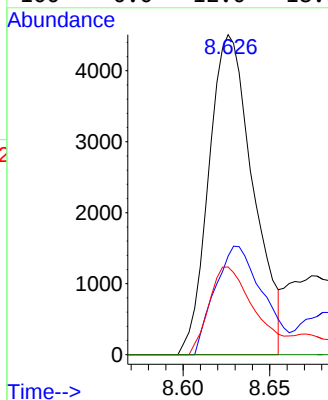
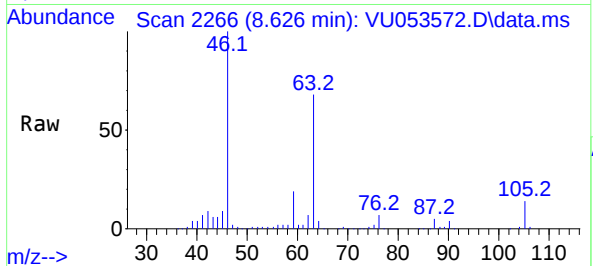


#48
2-Hexanone
Concen: 5.451 ug/L
RT: 8.626 min Scan# 21
Delta R.T. -0.051 min
Lab File: VU053572.D
Acq: 04 Apr 2023 19:30

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 8014

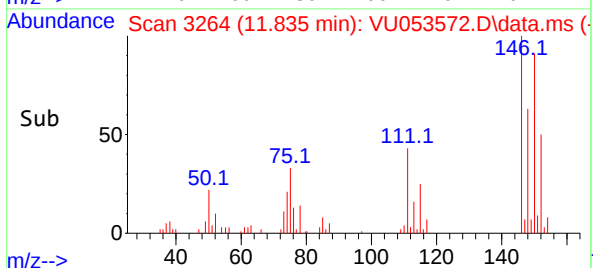
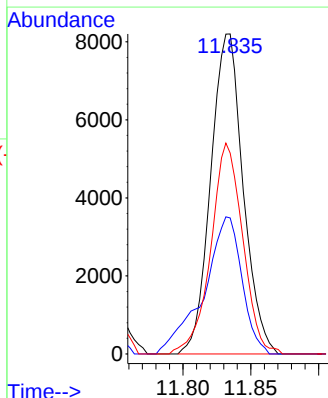
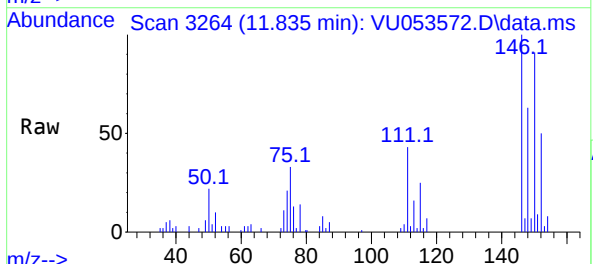
Ion	Ratio	Lower	Upper
43	100		
58	37.1	49.8	74.6#
57	28.0	17.8	26.6#
100	0.0	12.0	18.0#

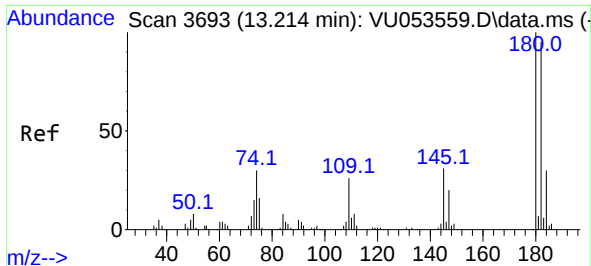


#65
1,4-Dichlorobenzene
Concen: 3.381 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU053572.D
Acq: 04 Apr 2023 19:30

Tgt Ion: 146 Resp: 13627

Ion	Ratio	Lower	Upper
146	100		
111	42.5	25.1	46.5
148	62.8	44.3	82.3





#69

1,3,5-Trichlorobenzene

Concen: 1.916 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.627 min

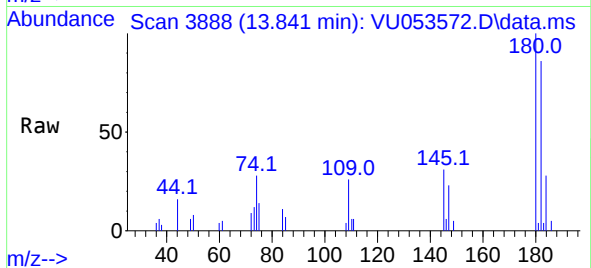
Lab File: VU053572.D

Acq: 04 Apr 2023 19:30

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 5612

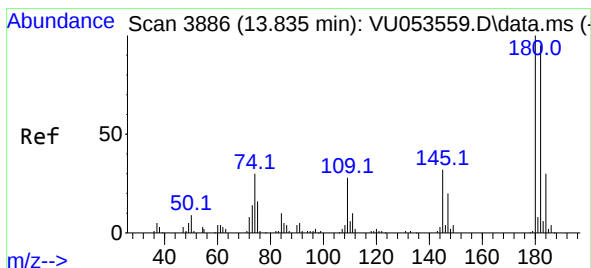
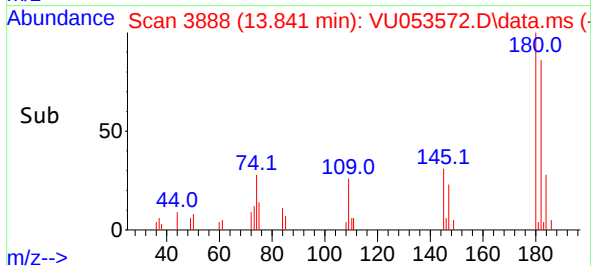
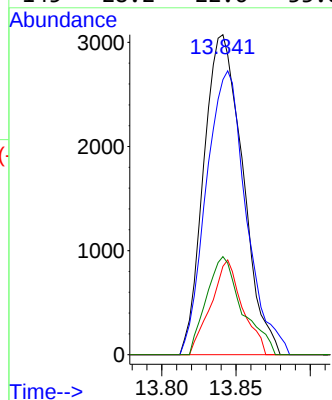
Ion Ratio Lower Upper

180 100

182 90.5 75.6 113.4

184 23.9 24.2 36.2#

145 28.2 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 2.067 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.006 min

Lab File: VU053572.D

Acq: 04 Apr 2023 19:30

Tgt Ion:180 Resp: 5612

Ion Ratio Lower Upper

180 100

182 90.5 75.8 113.8

145 28.2 23.4 35.2

