

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111523\
 Data File : VU056376.D
 Acq On : 16 Nov 2023 00:32
 Operator : MD/SY
 Sample : 05411-03
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0QF5

Quant Time: Nov 16 06:14:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 16 05:41:06 2023
 Response via : Initial Calibration

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

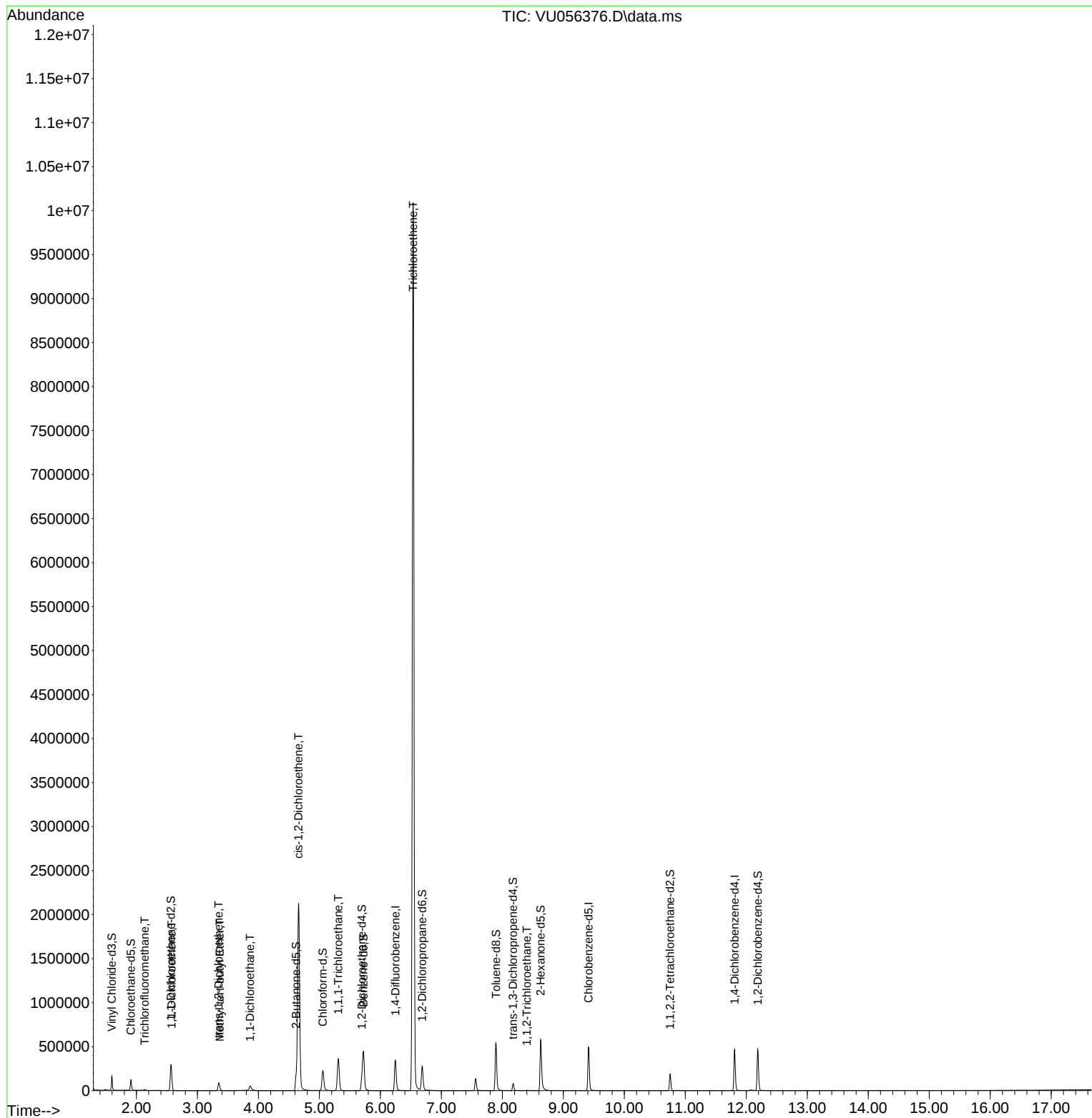
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	291141	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	278444	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	122409	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	107596	4.941	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.800%
7) Chloroethane-d5	1.908	69	87767	5.257	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.200%
11) 1,1-Dichloroethene-d2	2.563	65	48210	5.016	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.400%
20) 2-Butanone-d5	4.618	46	249954	57.563	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.120%
24) Chloroform-d	5.055	84	215280	5.111	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
26) 1,2-Dichloroethane-d4	5.695	65	108736	5.587	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.800%
32) Benzene-d6	5.721	84	431529	5.202	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.000%
36) 1,2-Dichloropropane-d6	6.685	67	136435	5.457	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.200%
41) Toluene-d8	7.894	98	368582	5.031	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.600%
43) trans-1,3-Dichloroprop...	8.174	79	48313	5.038	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.800%
46) 2-Hexanone-d5	8.627	63	203427	53.983	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.960%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	94332	5.280	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	125766	5.562	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.200%
Target Compounds						
9) Trichlorofluoromethane	2.136	101	5990	0.183	ug/L	96
12) 1,1-Dichloroethene	2.576	96	29666	1.665	ug/L #	35
17) Methyl tert-butyl Ether	3.364	73	5712	0.132	ug/L #	70
18) trans-1,2-Dichloroethene	3.348	96	37792	2.061	ug/L	95
19) 1,1-Dichloroethane	3.862	63	56771	1.563	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	1127890	54.237	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	268942	8.414	ug/L	99
34) Trichloroethene	6.538	95	3645193	168.393	ug/L	98
45) 1,1,2-Trichloroethane	8.402	97	1462	0.106	ug/L	93

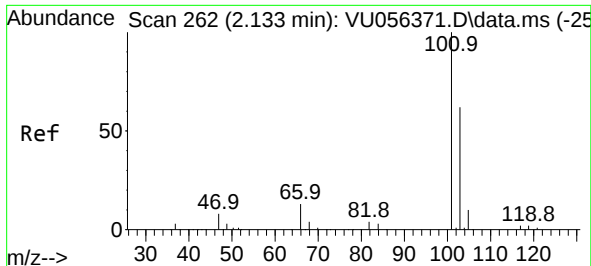
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
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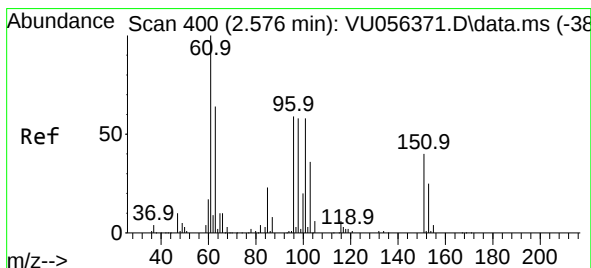
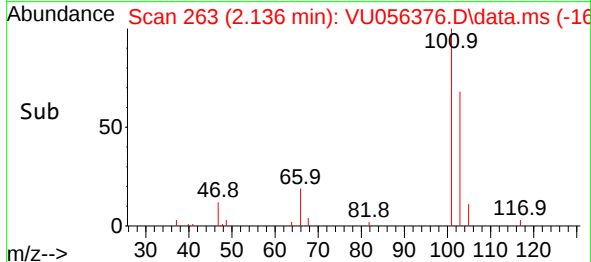
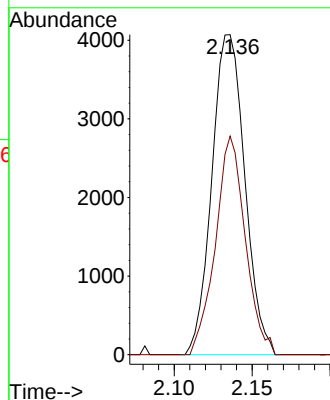
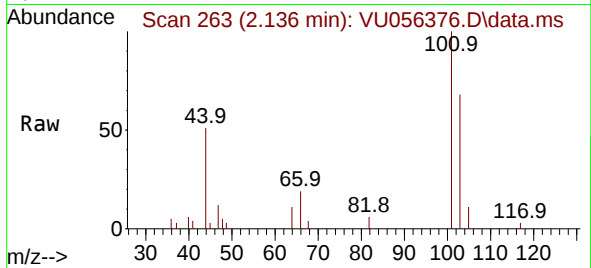




#9
 Trichlorofluoromethane
 Concen: 0.183 ug/L
 RT: 2.136 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VU056376.D
 Acq: 16 Nov 2023 00:32

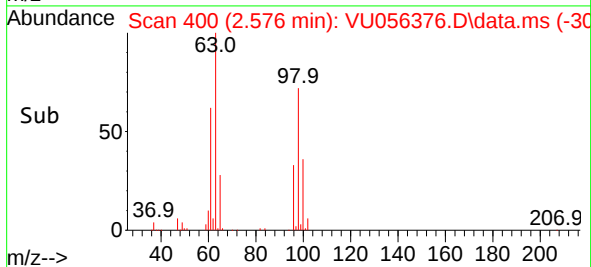
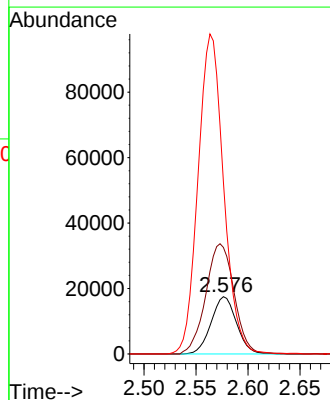
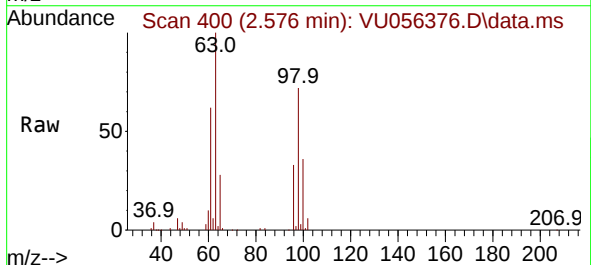
Instrument :
 MSVOA_U
 ClientSampleId :
 C0QF5

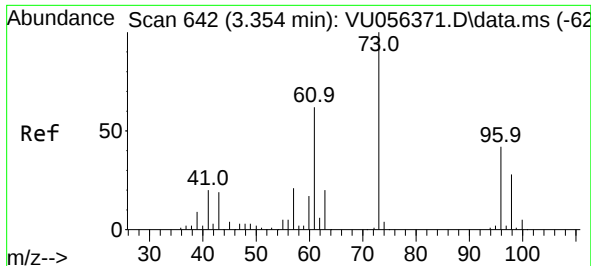
Tgt Ion:101 Resp: 5990
 Ion Ratio Lower Upper
 101 100
 103 61.9 52.0 78.0



#12
 1,1-Dichloroethene
 Concen: 1.665 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056376.D
 Acq: 16 Nov 2023 00:32

Tgt Ion: 96 Resp: 29666
 Ion Ratio Lower Upper
 96 100
 61 186.0 123.1 228.7
 63 300.4 93.3 173.3#





#17

Methyl tert-butyl Ether

Concen: 0.132 ug/L

RT: 3.364 min Scan# 642

Delta R.T. 0.010 min

Lab File: VU056376.D

Acq: 16 Nov 2023 00:32

Instrument :

MSVOA_U

ClientSampleId :

C0QF5

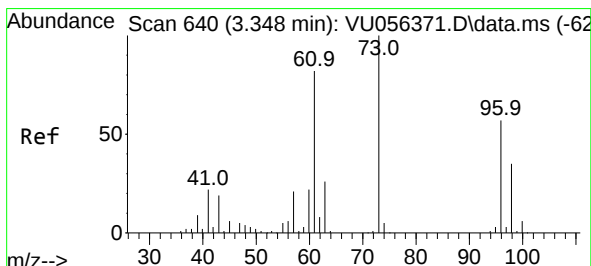
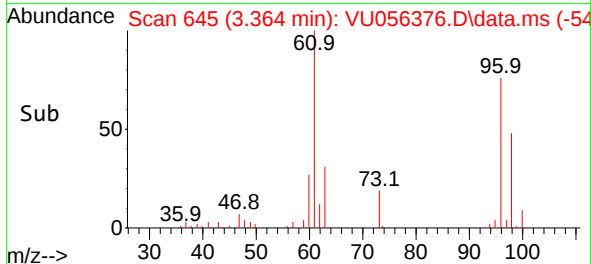
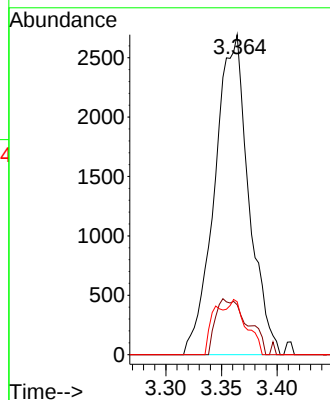
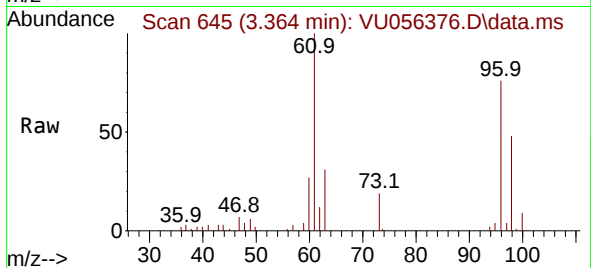
Tgt Ion: 73 Resp: 5712

Ion Ratio Lower Upper

73 100

43 3.4 15.1 22.7#

57 10.1 17.8 26.8#



#18

trans-1,2-Dichloroethene

Concen: 2.061 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU056376.D

Acq: 16 Nov 2023 00:32

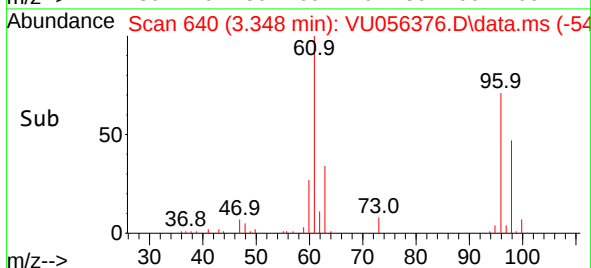
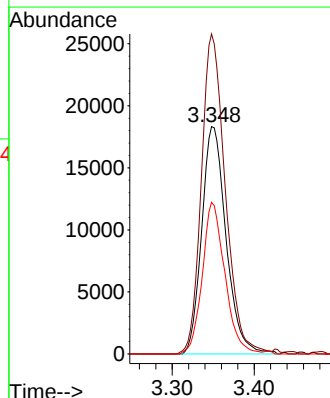
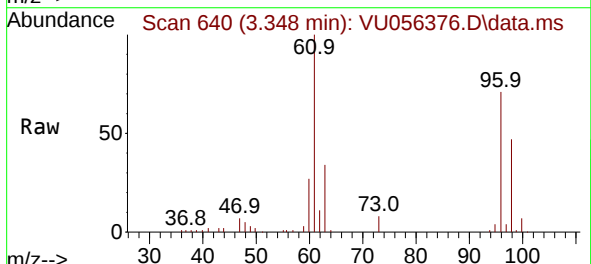
Tgt Ion: 96 Resp: 37792

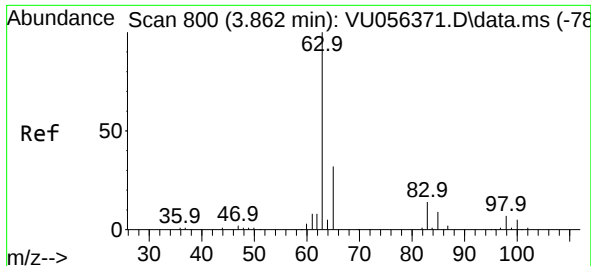
Ion Ratio Lower Upper

96 100

61 140.7 101.7 188.9

98 66.7 43.0 80.0





#19

1,1-Dichloroethane

Concen: 1.563 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056376.D

Acq: 16 Nov 2023 00:32

Instrument :

MSVOA_U

ClientSampleId :

C0QF5

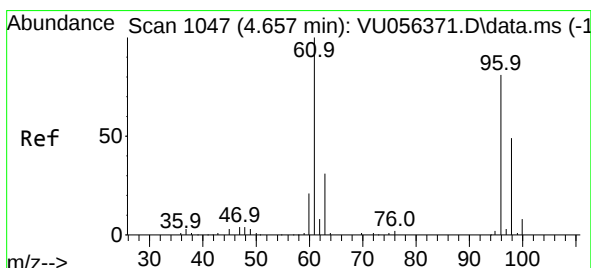
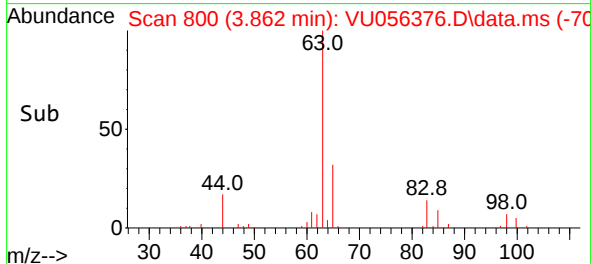
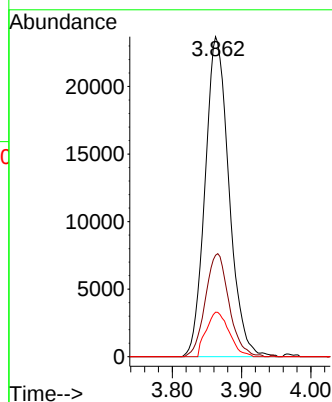
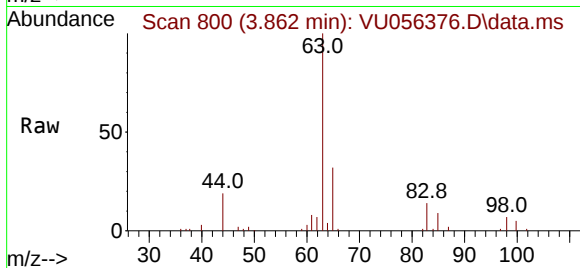
Tgt Ion: 63 Resp: 56771

Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.6

83 13.9 9.7 17.9



#22

cis-1,2-Dichloroethene

Concen: 54.237 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.000 min

Lab File: VU056376.D

Acq: 16 Nov 2023 00:32

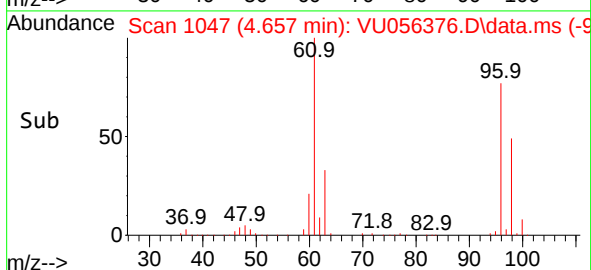
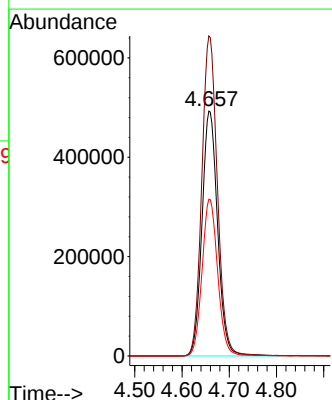
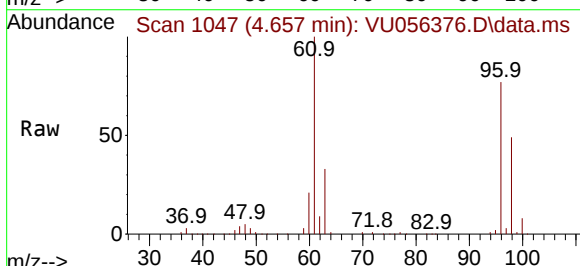
Tgt Ion: 96 Resp: 1127890

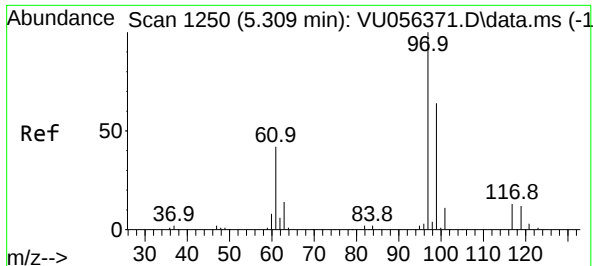
Ion Ratio Lower Upper

96 100

61 130.7 93.2 173.2

98 64.0 44.8 83.2



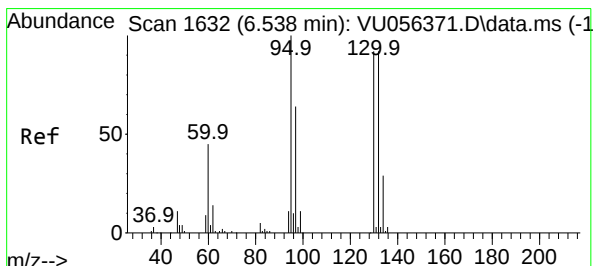
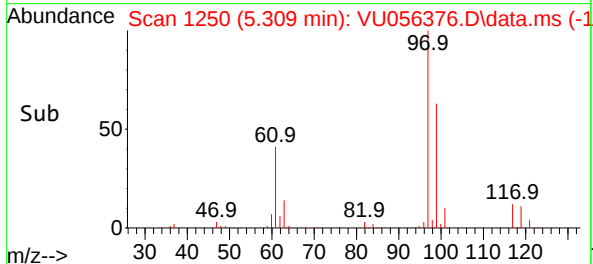
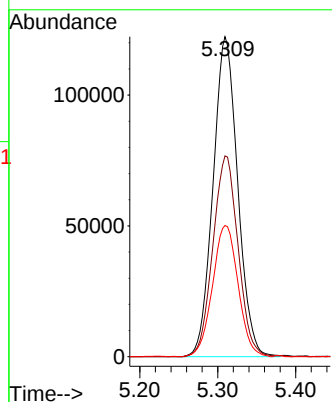
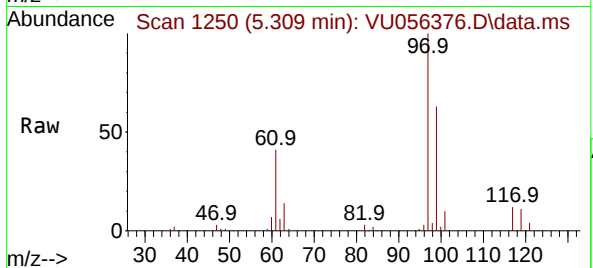


#29
1,1,1-Trichloroethane
Concen: 8.414 ug/L
RT: 5.309 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU056376.D
Acq: 16 Nov 2023 00:32

Instrument :
MSVOA_U
ClientSampleId :
C0QF5

Tgt Ion: 97 Resp: 268942

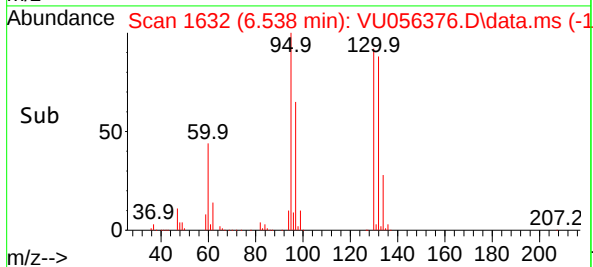
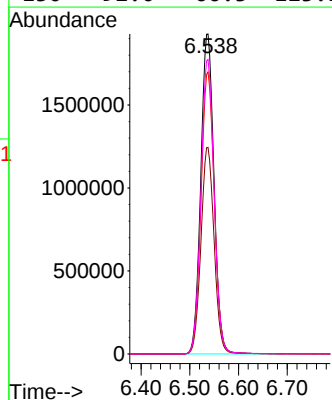
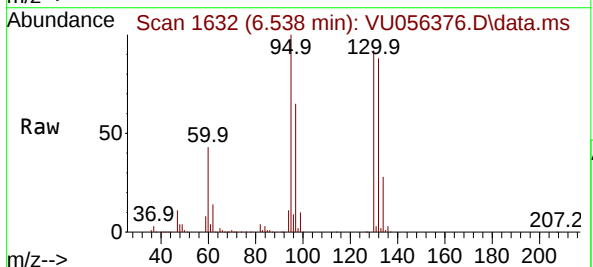
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	42.6	34.3	51.5

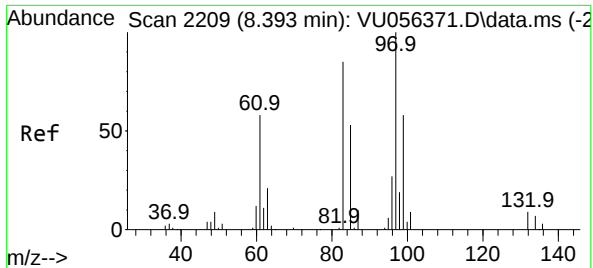


#34
Trichloroethene
Concen: 168.393 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU056376.D
Acq: 16 Nov 2023 00:32

Tgt Ion: 95 Resp: 3645193

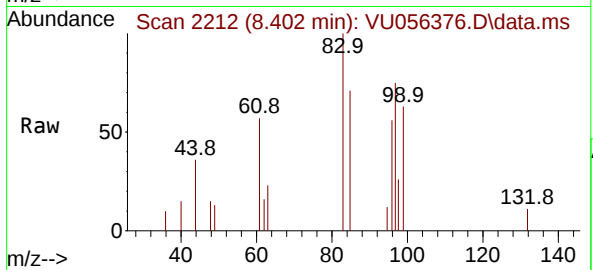
Ion	Ratio	Lower	Upper
95	100		
97	64.6	46.5	86.3
132	88.2	62.0	115.2
130	92.0	66.3	123.1





#45
 1,1,2-Trichloroethane
 Concen: 0.106 ug/L
 RT: 8.402 min Scan# 21
 Delta R.T. 0.010 min
 Lab File: VU056376.D
 Acq: 16 Nov 2023 00:32

Instrument :
 MSVOA_U
 ClientSampleId :
 C0QF5



Tgt Ion:	97	Resp:	1462
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.3	82.3
83	99.1	65.4	121.4
85	70.0	41.6	77.3

