

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 :

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)

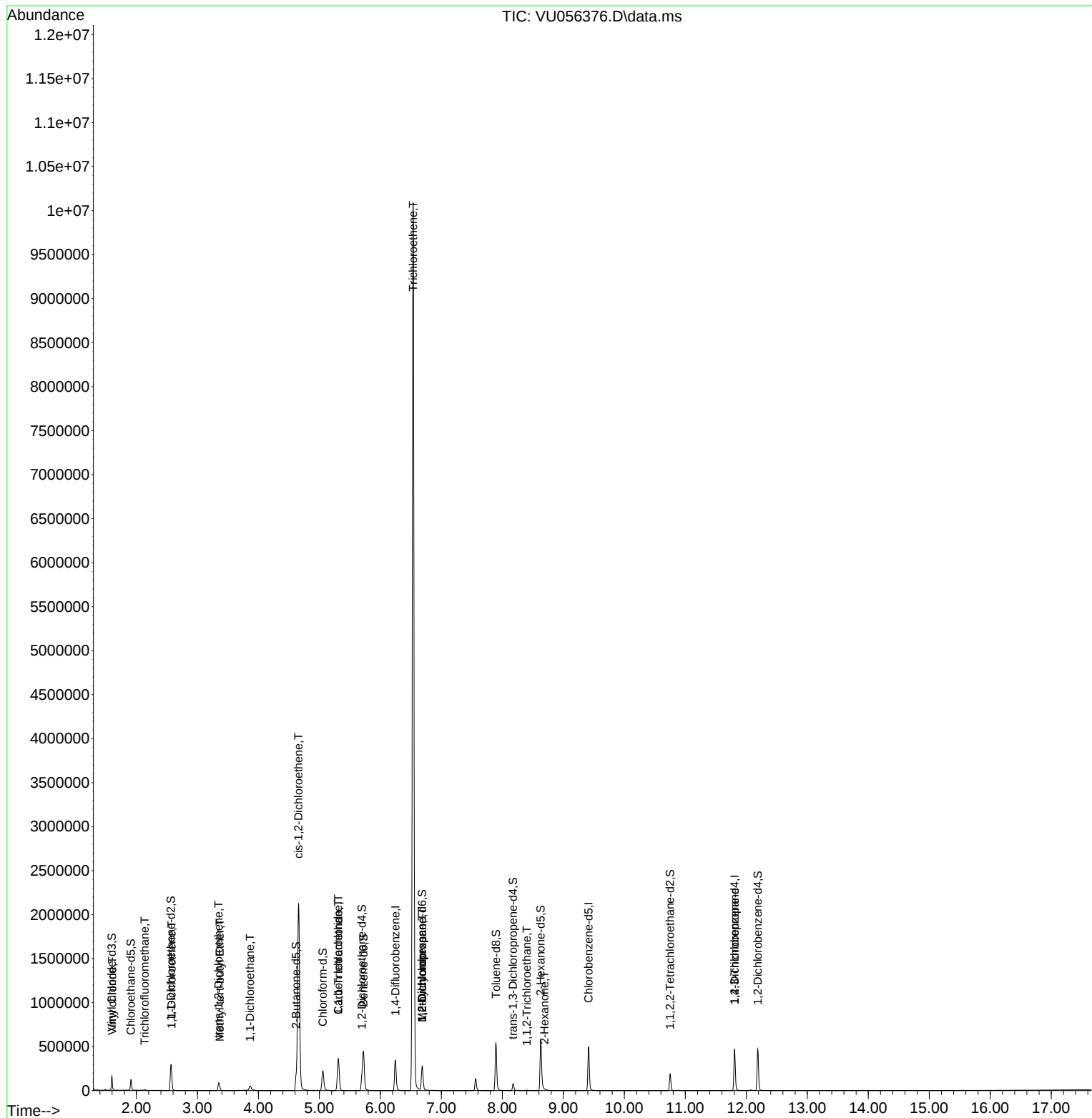
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	291141	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	278444	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	122409	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	107596	4.941	ug/L	0.00
Spiked Amount	5.000	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						Qvalue
5) Vinyl chloride	1.602	62	3978	0.175	ug/L #	5
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
31) Carbon tetrachloride	5.309	117	33460	1.219	ug/L	98
34) Trichloroethene	6.538	95	3645193	168.393	ug/L	98
35) Methylcyclohexane	6.682	83	31945	1.022	ug/L #	18
37) 1,2-Dichloropropane	6.682	63	14307	0.691	ug/L #	88
45) 1,1,2-Trichloroethane	8.402	97	1462	0.106	ug/L	93
48) 2-Hexanone	8.689	43	8626	1.078	ug/L #	61
61) 1,2,3-Trichloropropane	11.807	75	14563	1.387	ug/L #	68

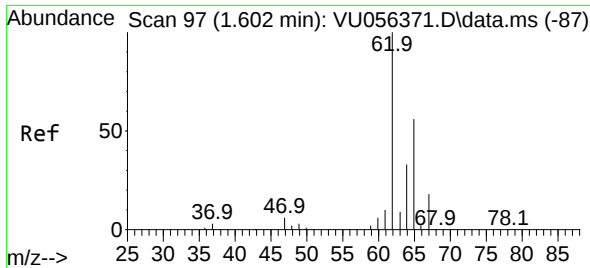
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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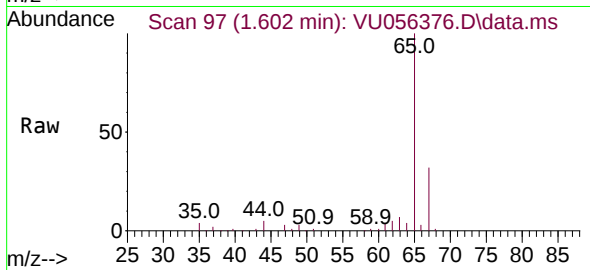
Quant Time: Nov 16 06:14:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
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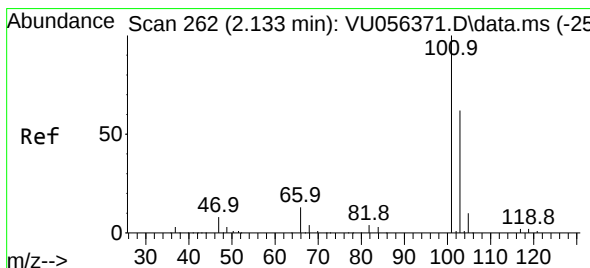
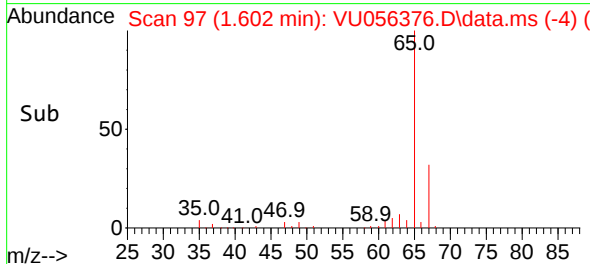
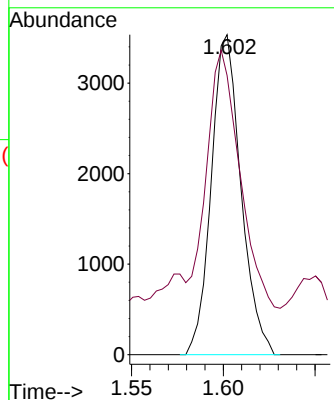


#5
 Vinyl chloride
 Concen: 0.175 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU056376.D
 Acq: 16 Nov 2023 00:32

Instrument :
 MSVOA_U
 ClientSampleId :

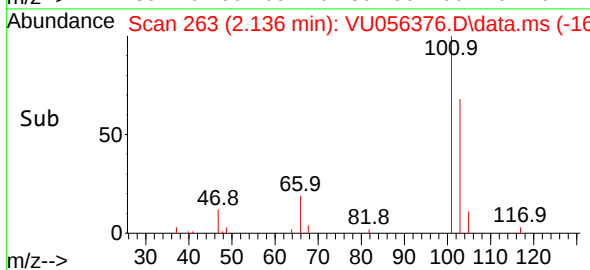
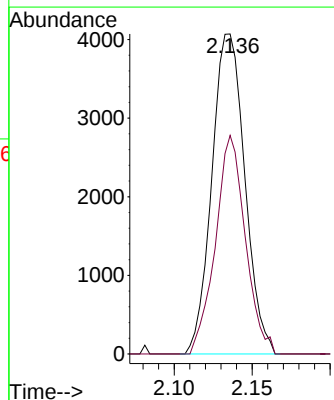
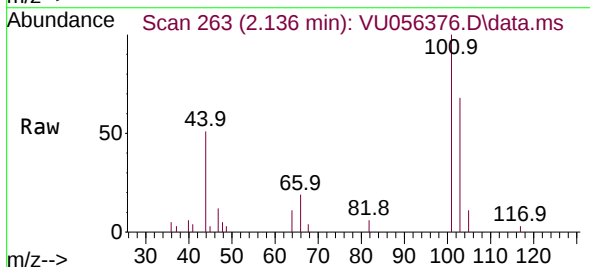


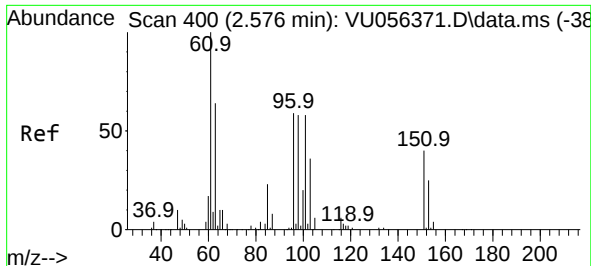
Tgt Ion: 62 Resp: 3978
 Ion Ratio Lower Upper
 62 100
 64 87.3 23.3 43.3#



#9
 Trichlorofluoromethane
 Concen: 0.183 ug/L
 RT: 2.136 min Scan# 263
 Delta R.T. 0.003 min
 Lab File: VU056376.D
 Acq: 16 Nov 2023 00:32

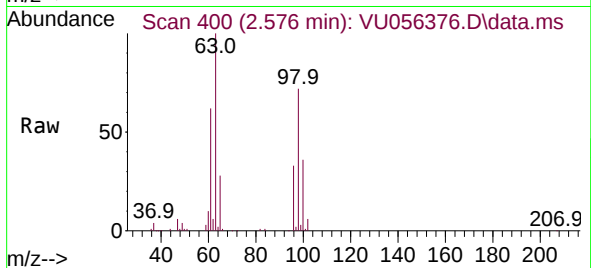
Tgt Ion: 101 Resp: 5990
 Ion Ratio Lower Upper
 101 100
 103 61.9 52.0 78.0



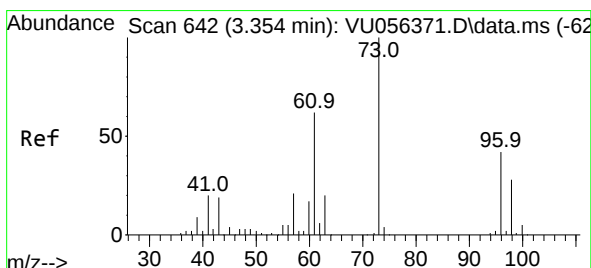
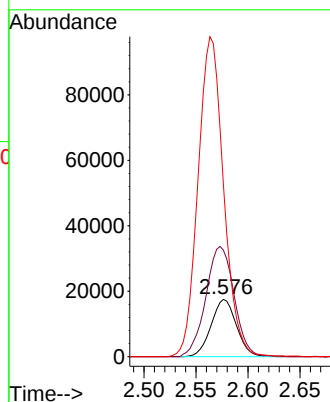
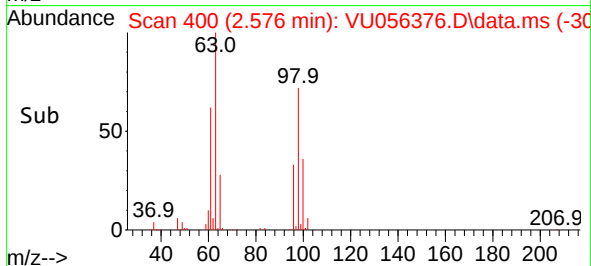


#12
 1,1-Dichloroethene
 Concen: 1.665 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056376.D
 Acq: 16 Nov 2023 00:32

Instrument :
 MSVOA_U
 ClientSampleId :

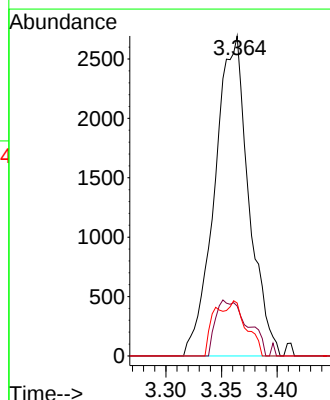
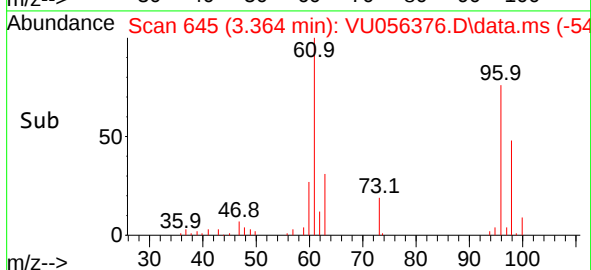
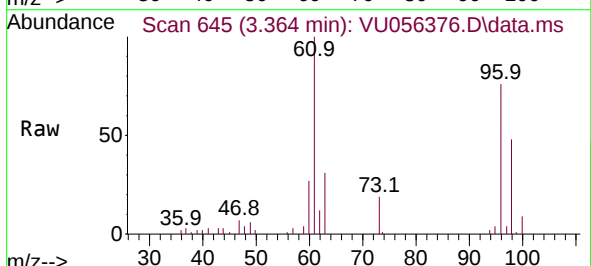


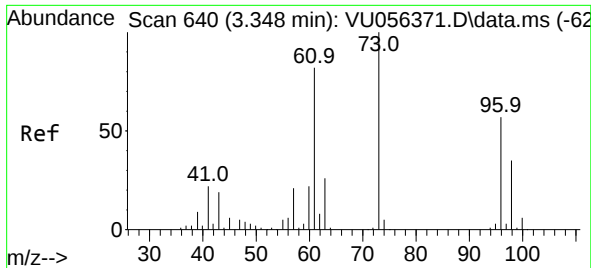
Tgt Ion: 96 Resp: 29666
 Ion Ratio Lower Upper
 96 100
 61 186.0 123.1 228.7
 63 300.4 93.3 173.3#



#17
 Methyl tert-butyl Ether
 Concen: 0.132 ug/L
 RT: 3.364 min Scan# 645
 Delta R.T. 0.010 min
 Lab File: VU056376.D
 Acq: 16 Nov 2023 00:32

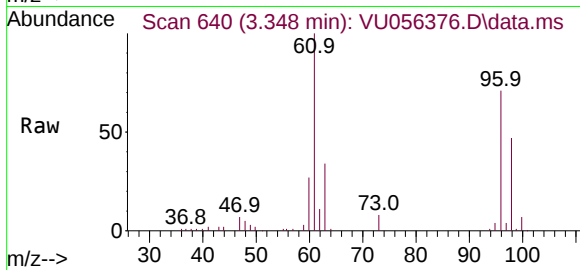
Tgt Ion: 73 Resp: 5712
 Ion Ratio Lower Upper
 73 100
 43 3.4 15.1 22.7#
 57 10.1 17.8 26.8#





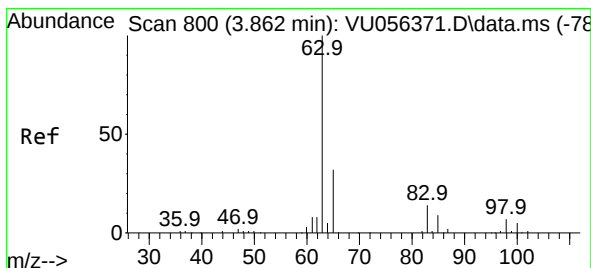
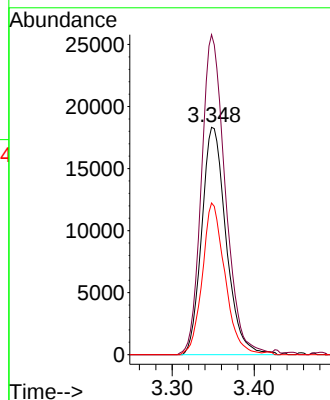
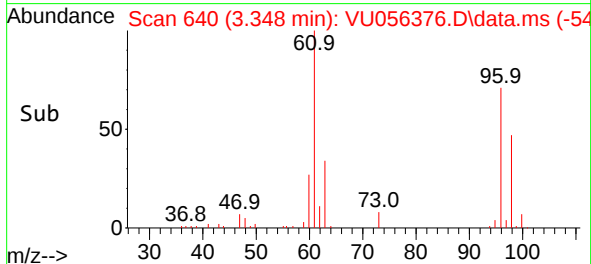
#18
 trans-1,2-Dichloroethene
 Concen: 2.061 ug/L
 RT: 3.348 min Scan# 640
 Delta R.T. -0.000 min
 Lab File: VU056376.D
 Acq: 16 Nov 2023 00:32

Instrument :
 MSVOA_U
 ClientSampleId :

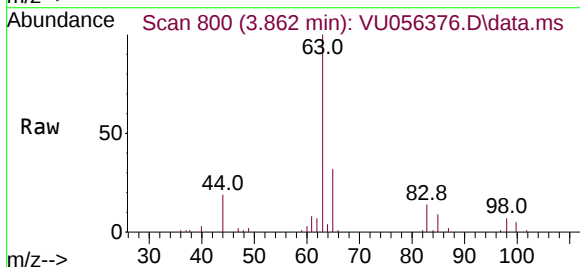


Tgt Ion: 96 Resp: 37792

Ion	Ratio	Lower	Upper
96	100		
61	140.7	101.7	188.9
98	66.7	43.0	80.0

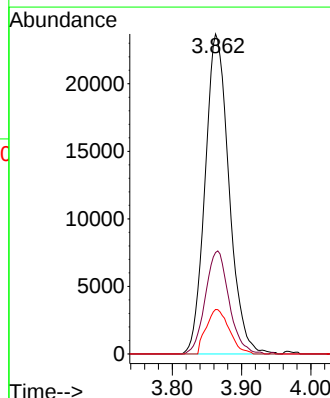
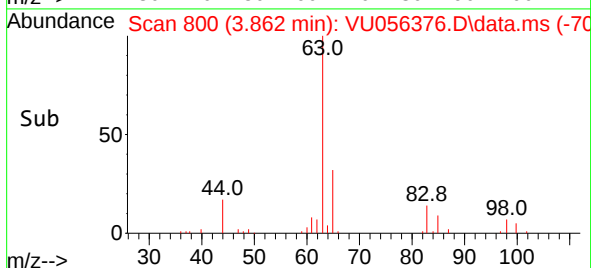


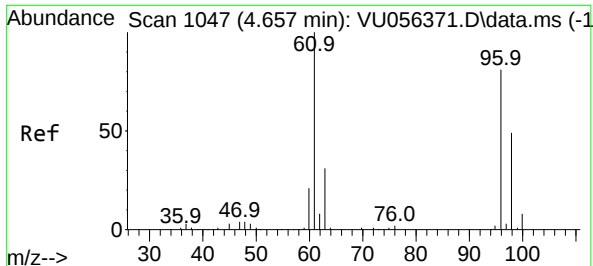
#19
 1,1-Dichloroethane
 Concen: 1.563 ug/L
 RT: 3.862 min Scan# 800
 Delta R.T. -0.000 min
 Lab File: VU056376.D
 Acq: 16 Nov 2023 00:32



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# 11

Delta R.T. -0.000 min

Lab File: VU056376.D

Acq: 16 Nov 2023 00:32

Instrument :

MSVOA_U

ClientSampleId :

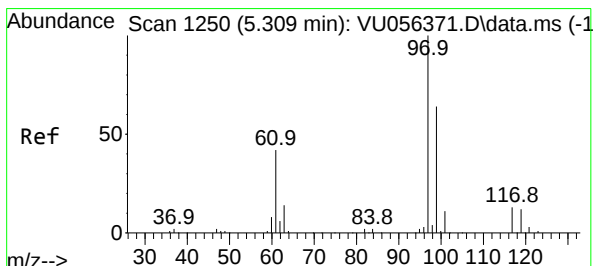
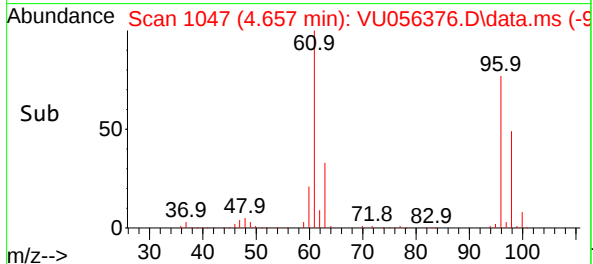
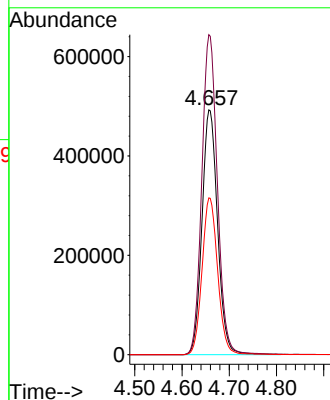
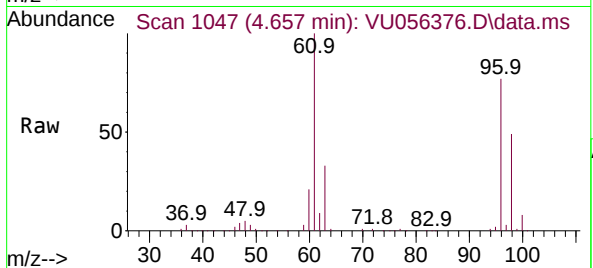
Tgt Ion: 96 Resp: 1127890

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# 1250

Delta R.T. -0.000 min

Lab File: VU056376.D

Acq: 16 Nov 2023 00:32

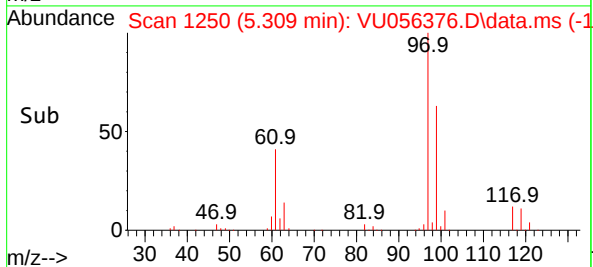
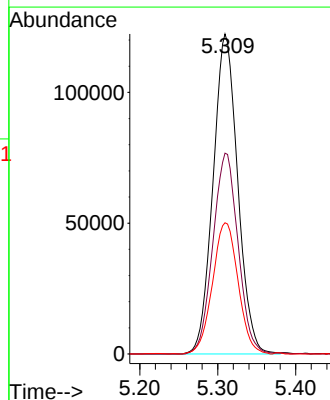
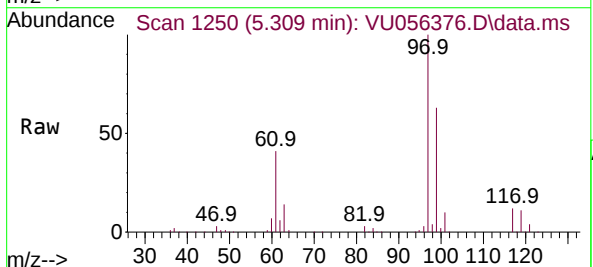
Tgt Ion: 97 Resp: 268942

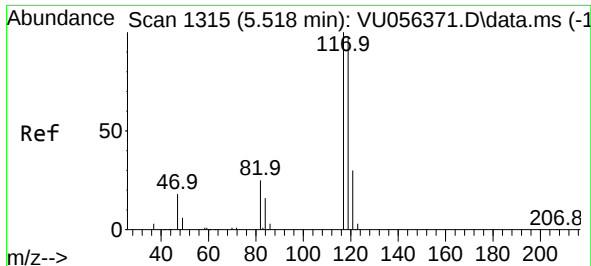
Ion Ratio Lower Upper

97 100

99 64.0 51.6 77.4

61 42.6 34.3 51.5

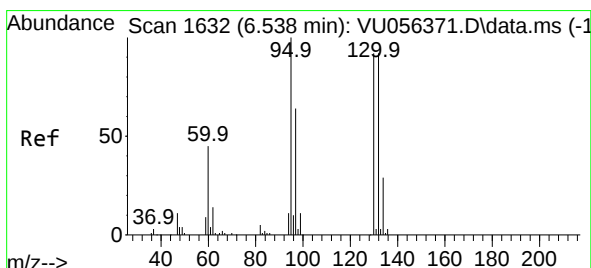
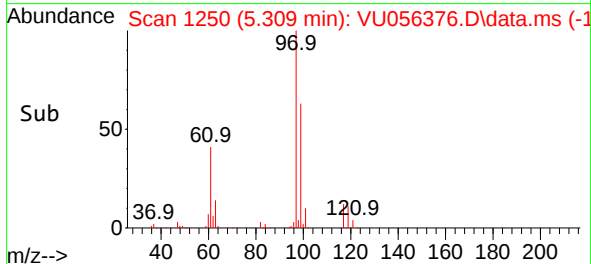
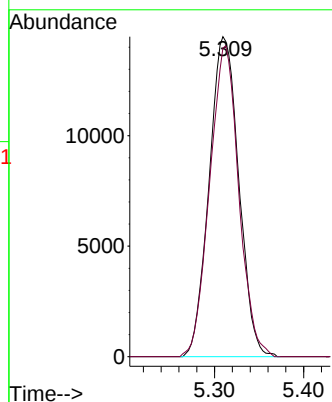
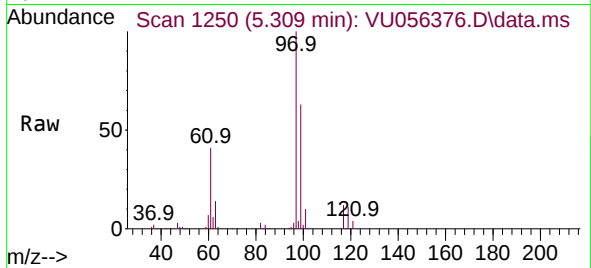




#31
Carbon tetrachloride
Concen: 1.219 ug/L
RT: 5.309 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU056376.D
Acq: 16 Nov 2023 00:32

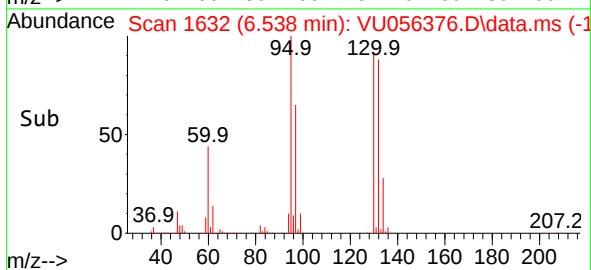
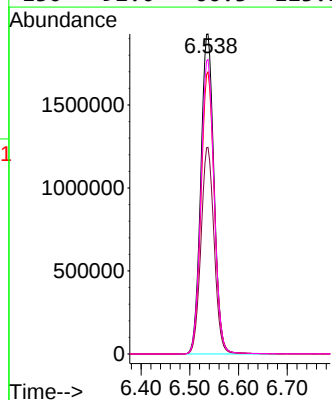
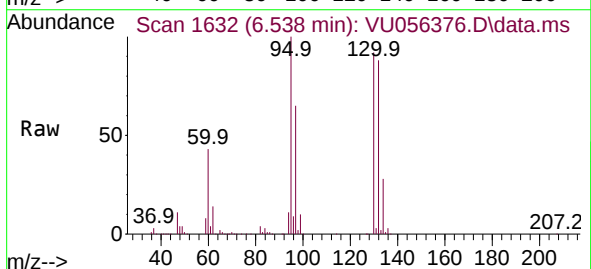
Instrument :
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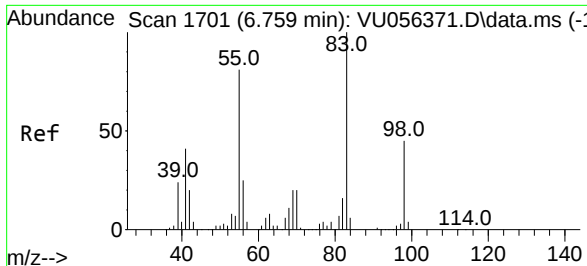
Tgt Ion:117 Resp: 33460
Ion Ratio Lower Upper
117 100
119 95.5 78.1 117.1



#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

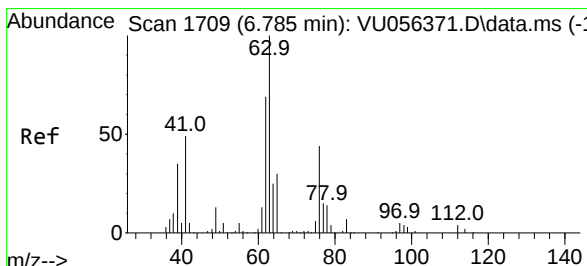
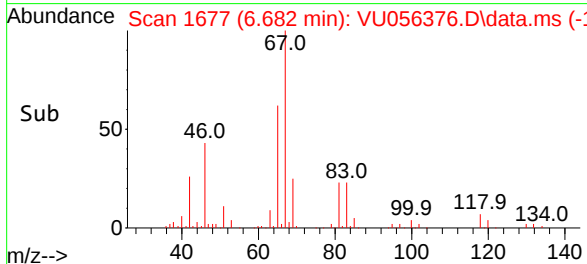
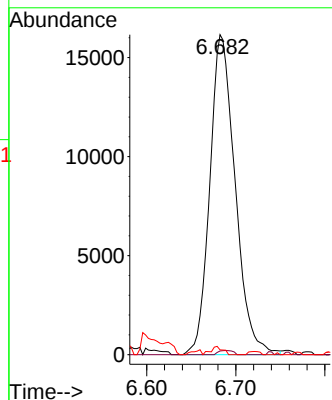
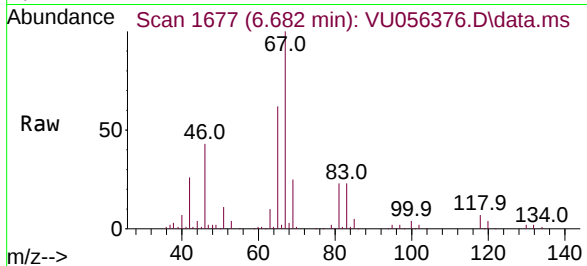




#35
Methylcyclohexane
Concen: 1.022 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.077 min
Lab File: VU056376.D
Acq: 16 Nov 2023 00:32

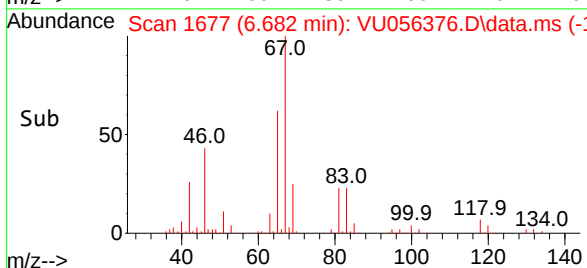
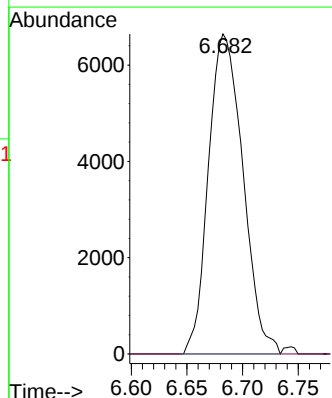
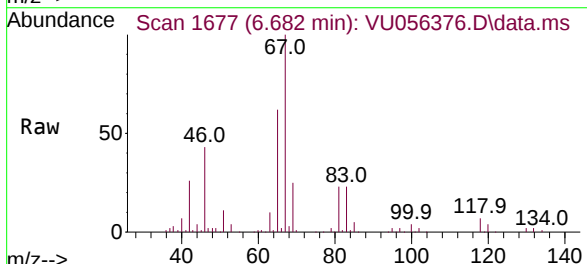
Instrument :
MSVOA_U
ClientSampleId :

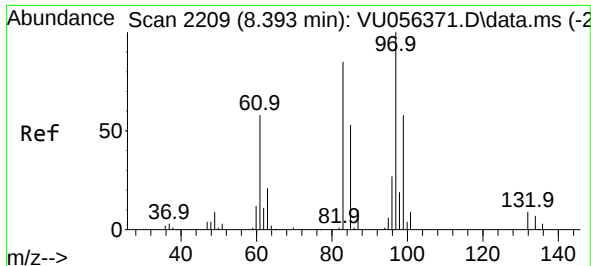
Tgt Ion: 83 Resp: 31945
Ion Ratio Lower Upper
83 100
55 0.7 62.9 94.3#
98 0.0 35.3 52.9#



#37
1,2-Dichloropropane
Concen: 0.691 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.103 min
Lab File: VU056376.D
Acq: 16 Nov 2023 00:32

Tgt Ion: 63 Resp: 14307
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



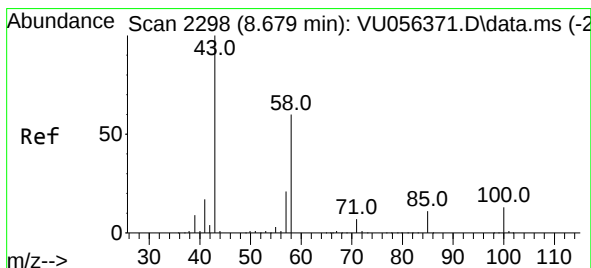
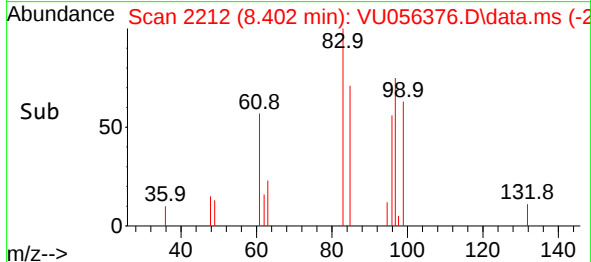
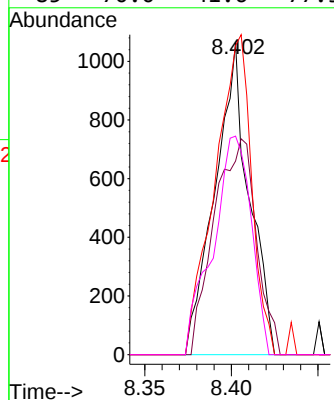
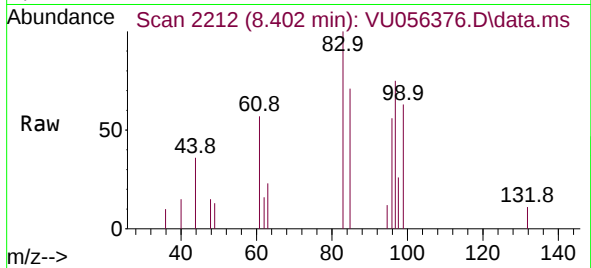


#45
1,1,2-Trichloroethane
Concen: 0.106 ug/L
RT: 8.402 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU056376.D
Acq: 16 Nov 2023 00:32

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 1462

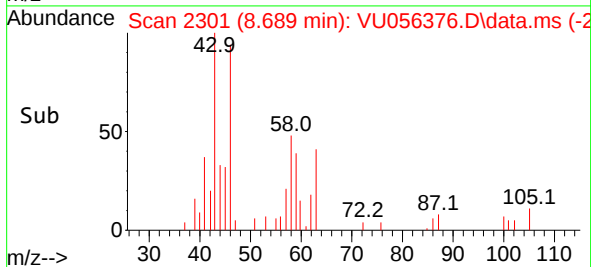
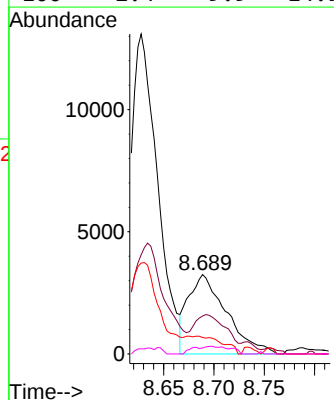
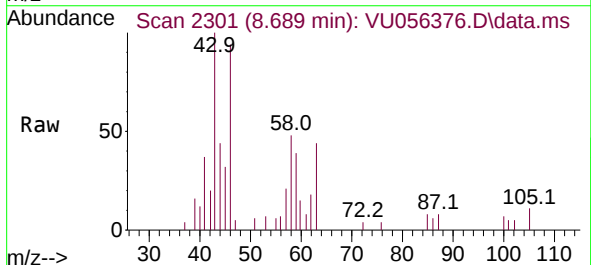
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.3	82.3
83	99.1	65.4	121.4
85	70.0	41.6	77.3

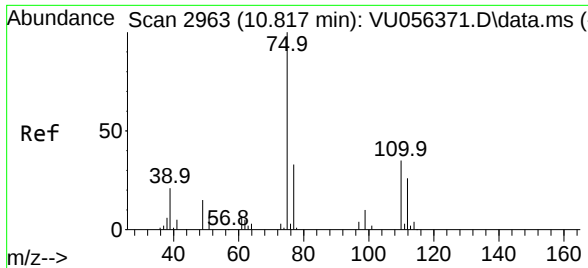


#48
2-Hexanone
Concen: 1.078 ug/L
RT: 8.689 min Scan# 2301
Delta R.T. 0.010 min
Lab File: VU056376.D
Acq: 16 Nov 2023 00:32

Tgt Ion: 43 Resp: 8626

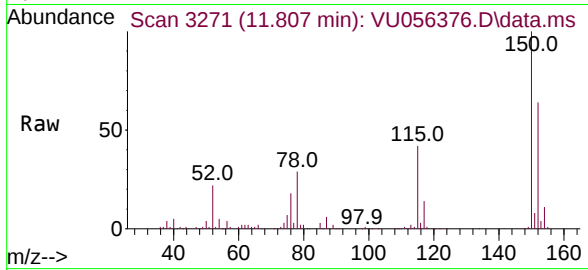
Ion	Ratio	Lower	Upper
43	100		
58	30.0	48.7	73.1#
57	0.0	16.8	25.2#
100	2.4	9.9	14.9#





#61
 1,2,3-Trichloropropane
 Concen: 1.387 ug/L
 RT: 11.807 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU056376.D
 Acq: 16 Nov 2023 00:32

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 14563

Ion	Ratio	Lower	Upper
75	100		
110	3.3	30.4	45.6#
77	35.3	27.0	40.6

