

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111023\
 Data File : VU056172.D
 Acq On : 10 Nov 2023 15:18
 Operator : MD/SY
 Sample : 05340-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 10 22:21:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 10 22:17:51 2023
 Response via : Initial Calibration

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

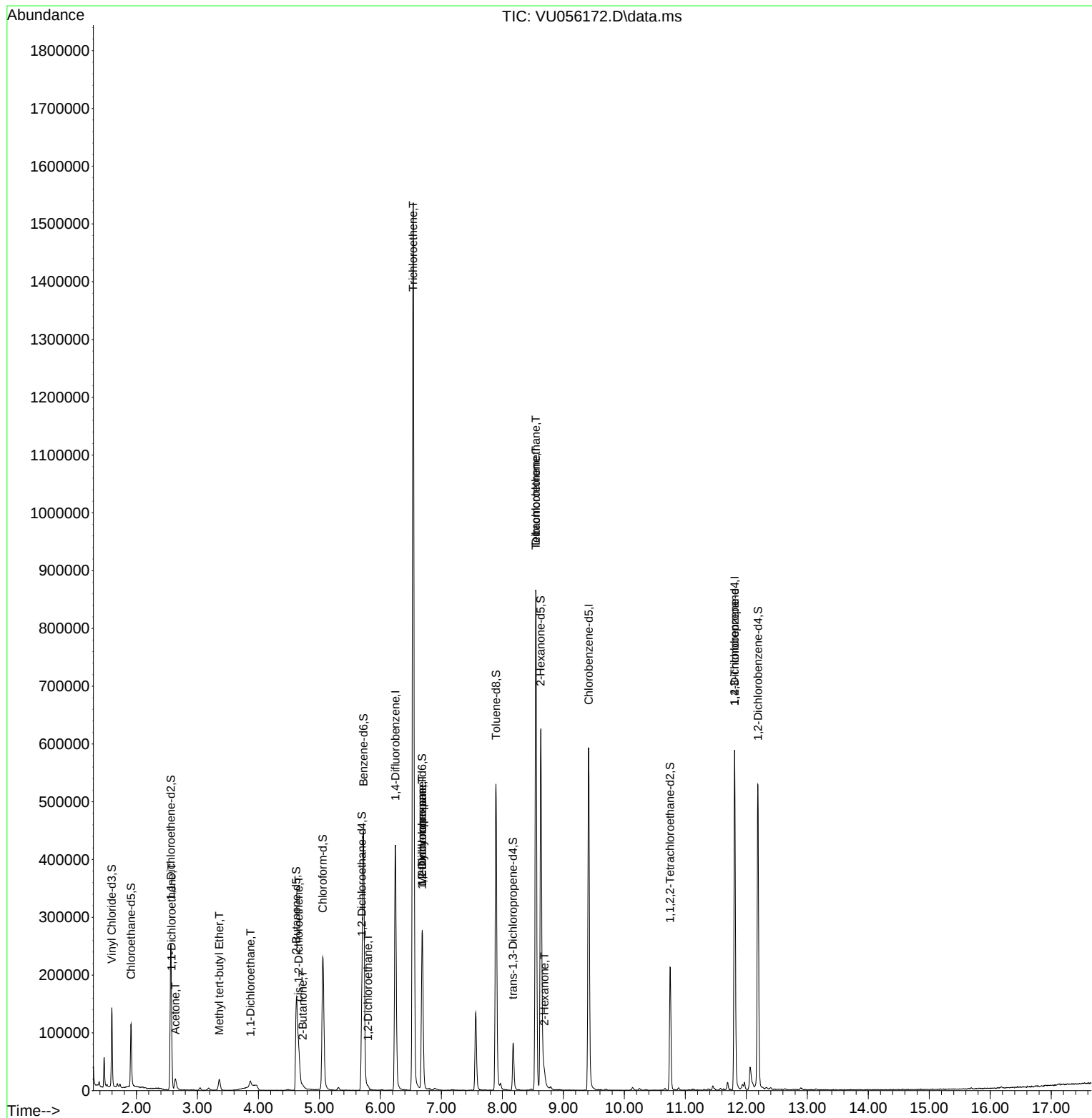
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	359420	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	363050	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	163107	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	97967	4.391	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.800%
7) Chloroethane-d5	1.911	69	80185	5.296	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.000%
11) 1,1-Dichloroethene-d2	2.564	65	45698	4.649	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.000%
20) 2-Butanone-d5	4.621	46	265474	72.535	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	145.060%#
24) Chloroform-d	5.055	84	226108	5.324	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.400%
26) 1,2-Dichloroethane-d4	5.695	65	110338	5.901	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.000%
32) Benzene-d6	5.721	84	445786	5.112	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
36) 1,2-Dichloropropane-d6	6.686	67	140545	5.476	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.600%
41) Toluene-d8	7.895	98	385918	4.830	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
43) trans-1,3-Dichloroprop...	8.174	79	50542	5.151	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.000%
46) 2-Hexanone-d5	8.628	63	224350	69.766	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	139.540%#
56) 1,1,2,2-Tetrachloroeth...	10.750	84	110435	6.028	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.600%#
66) 1,2-Dichlorobenzene-d4	12.190	152	145933	5.802	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.000%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.576	96	5898	0.255	ug/L #	1
13) Acetone	2.637	43	30012	11.119	ug/L	99
17) Methyl tert-butyl Ether	3.358	73	20379	0.392	ug/L	98
19) 1,1-Dichloroethane	3.869	63	10727	0.240	ug/L	93
21) 2-Butanone	4.724	43	7192	1.616	ug/L	87
22) cis-1,2-Dichloroethene	4.660	96	18338	0.694	ug/L	92
27) 1,2-Dichloroethane	5.795	62	3816	0.142	ug/L #	91
34) Trichloroethene	6.538	95	552257	19.449	ug/L	97
35) Methylcyclohexane	6.686	83	34137	0.809	ug/L #	20
37) 1,2-Dichloropropane	6.682	63	14829	0.549	ug/L #	87
47) Tetrachloroethene	8.550	164	198529	9.316	ug/L	97
48) 2-Hexanone	8.689	43	14319	1.663	ug/L #	85
49) Dibromochloromethane	8.547	129	197634	9.320	ug/L #	10
61) 1,2,3-Trichloropropane	11.808	75	18778	1.334	ug/L #	69

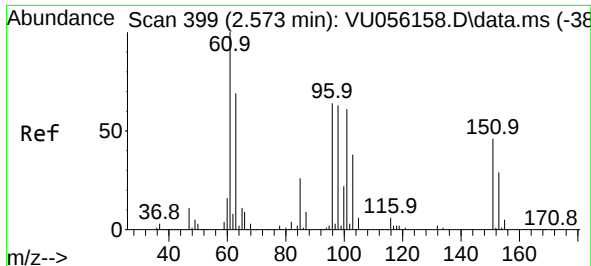
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.255 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU056172.D

Acq: 10 Nov 2023 15:18

Instrument :

MSVOA_U

ClientSampleId :

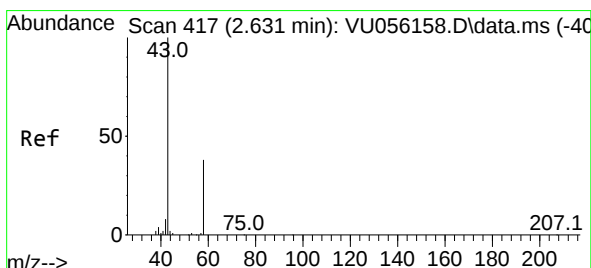
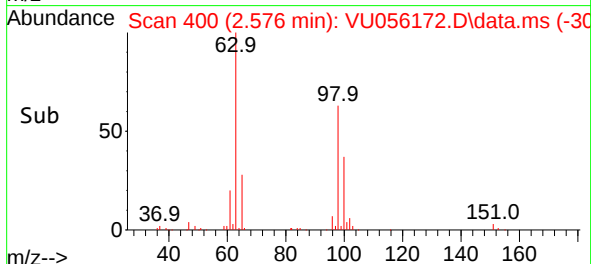
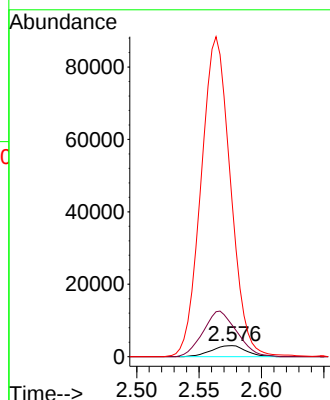
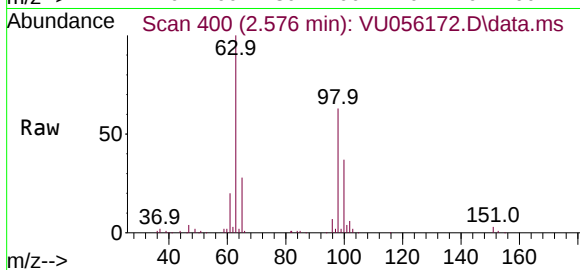
Tgt Ion: 96 Resp: 5898

Ion Ratio Lower Upper

96 100

61 284.5 111.7 207.5#

63 1397.5 74.5 138.3#



#13

Acetone

Concen: 11.119 ug/L

RT: 2.637 min Scan# 419

Delta R.T. 0.006 min

Lab File: VU056172.D

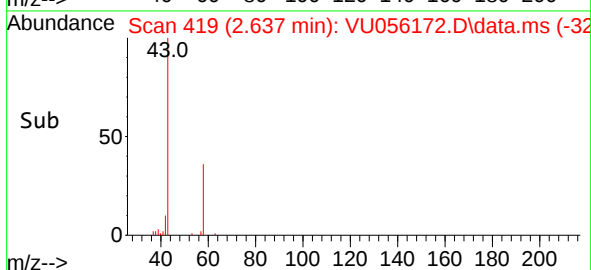
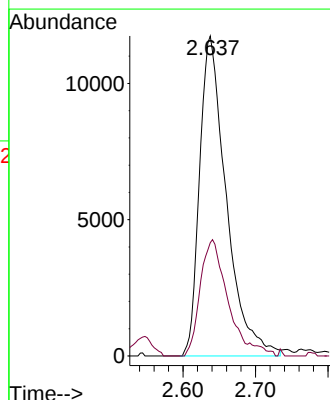
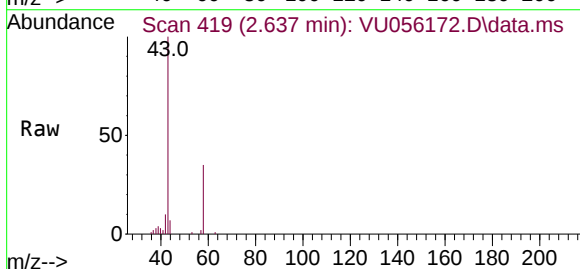
Acq: 10 Nov 2023 15:18

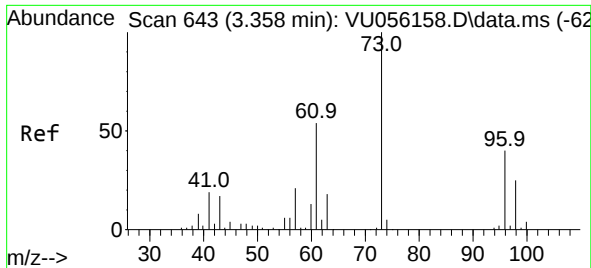
Tgt Ion: 43 Resp: 30012

Ion Ratio Lower Upper

43 100

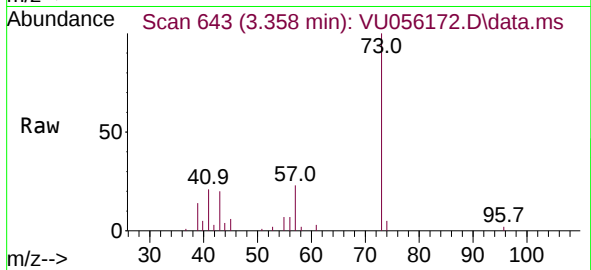
58 38.0 0.0 74.4



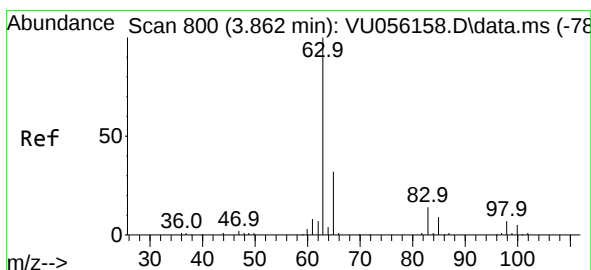
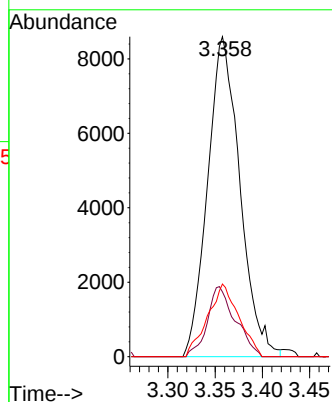


#17
Methyl tert-butyl Ether
Concen: 0.392 ug/L
RT: 3.358 min Scan# 643
Delta R.T. 0.000 min
Lab File: VU056172.D
Acq: 10 Nov 2023 15:18

Instrument :
MSVOA_U
ClientSampleId :

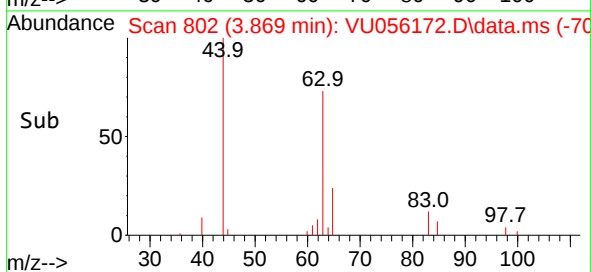
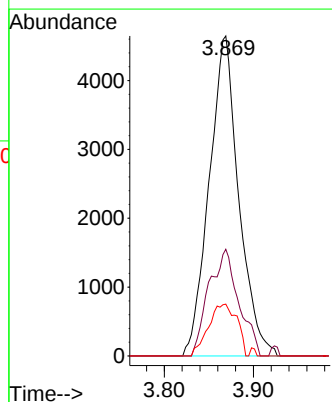
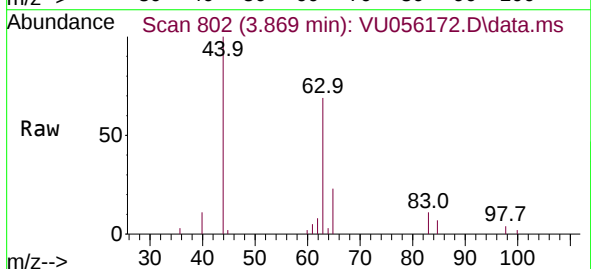


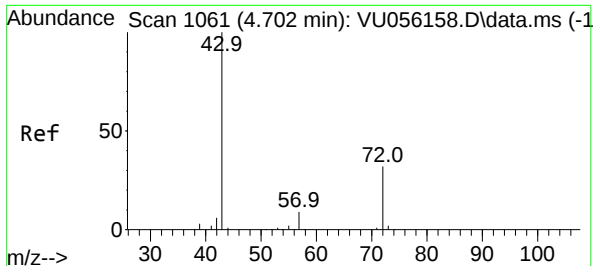
Tgt Ion:	73	Resp:	20379
Ion	Ratio	Lower	Upper
73	100		
43	19.0	13.6	20.4
57	21.9	17.3	25.9



#19
1,1-Dichloroethane
Concen: 0.240 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.006 min
Lab File: VU056172.D
Acq: 10 Nov 2023 15:18

Tgt Ion:	63	Resp:	10727
Ion	Ratio	Lower	Upper
63	100		
65	33.3	20.6	38.2
83	16.2	9.6	17.8





#21

2-Butanone

Concen: 1.616 ug/L

RT: 4.724 min Scan# 1068

Delta R.T. 0.023 min

Lab File: VU056172.D

Acq: 10 Nov 2023 15:18

Instrument :

MSVOA_U

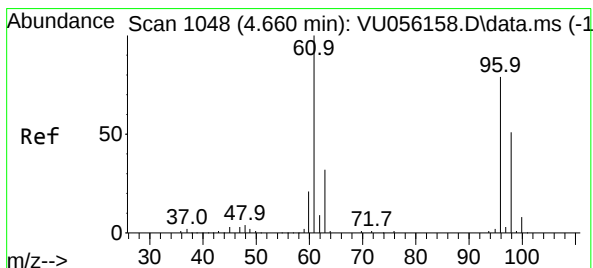
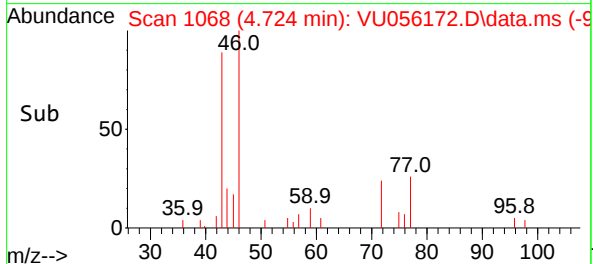
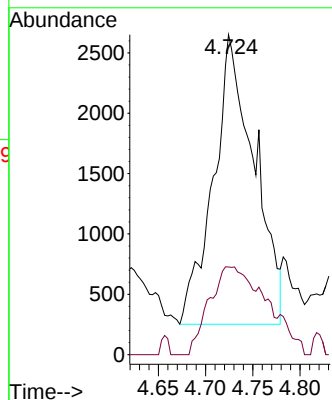
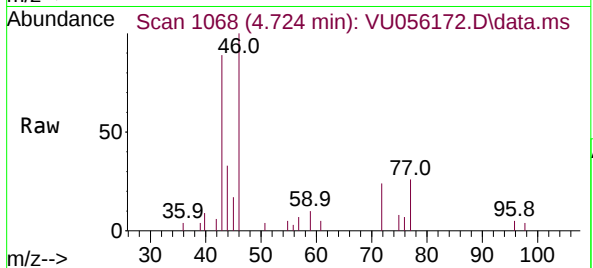
ClientSampleId :

Tgt Ion: 43 Resp: 7192

Ion Ratio Lower Upper

43 100

72 38.8 15.7 47.0



#22

cis-1,2-Dichloroethene

Concen: 0.694 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU056172.D

Acq: 10 Nov 2023 15:18

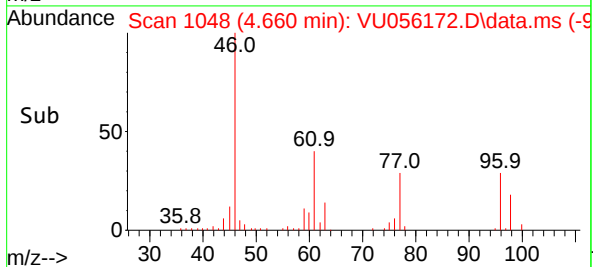
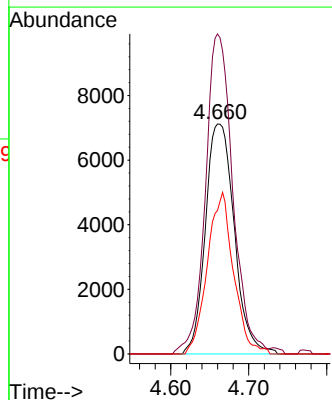
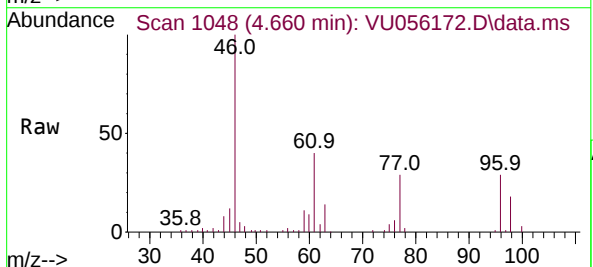
Tgt Ion: 96 Resp: 18338

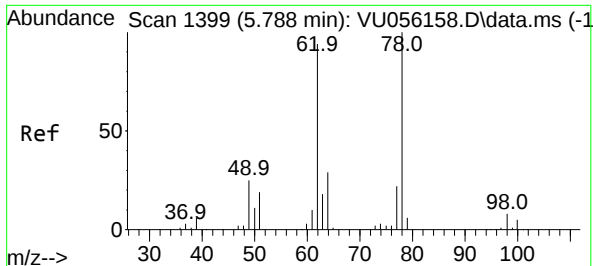
Ion Ratio Lower Upper

96 100

61 139.2 87.8 163.2

98 62.4 43.5 80.7





#27

1,2-Dichloroethane

Concen: 0.142 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.006 min

Lab File: VU056172.D

Acq: 10 Nov 2023 15:18

Instrument :

MSVOA_U

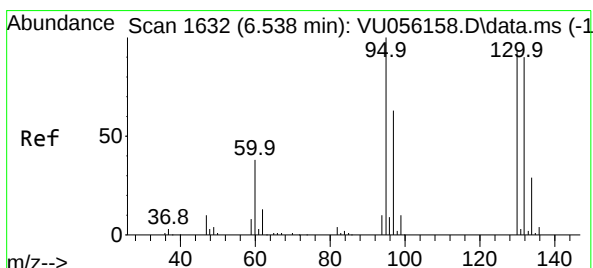
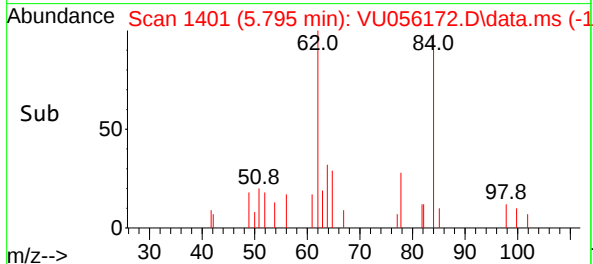
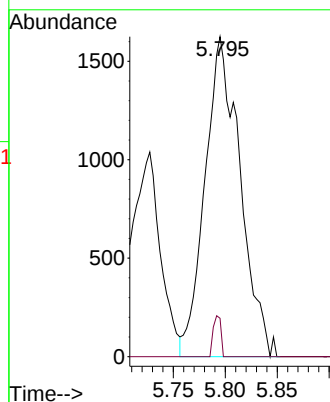
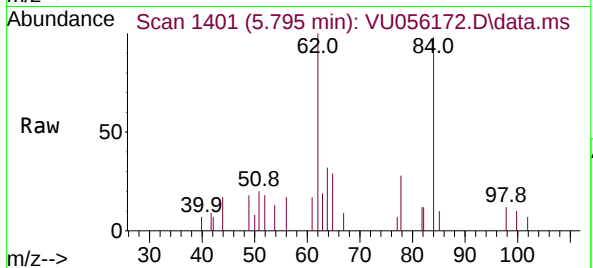
ClientSampleId :

Tgt Ion: 62 Resp: 3816

Ion Ratio Lower Upper

62 100

98 12.0 7.1 10.7#



#34

Trichloroethene

Concen: 19.449 ug/L

RT: 6.538 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VU056172.D

Acq: 10 Nov 2023 15:18

Tgt Ion: 95 Resp: 552257

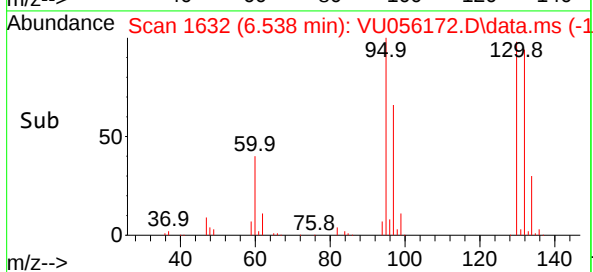
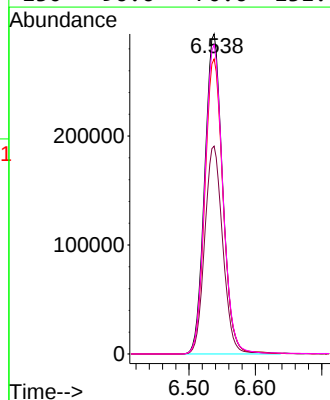
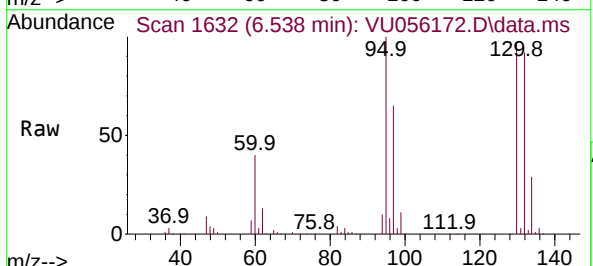
Ion Ratio Lower Upper

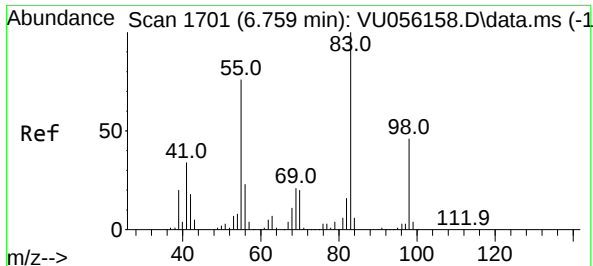
95 100

97 65.0 46.8 87.0

132 92.2 66.5 123.5

130 96.6 70.6 131.0

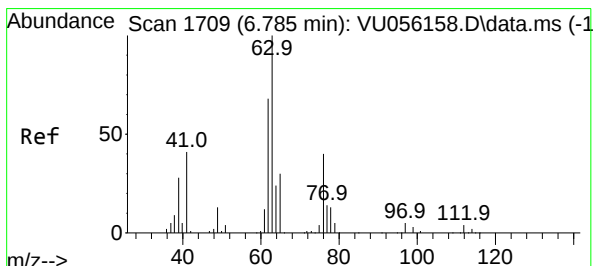
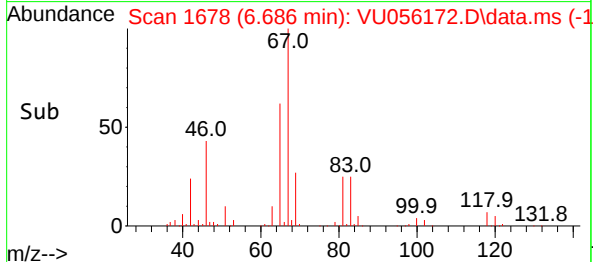
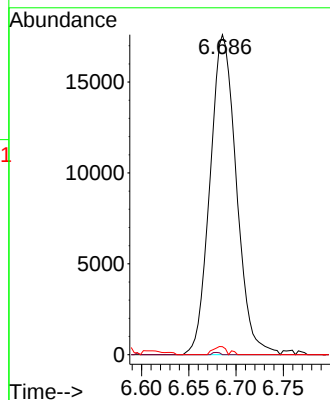
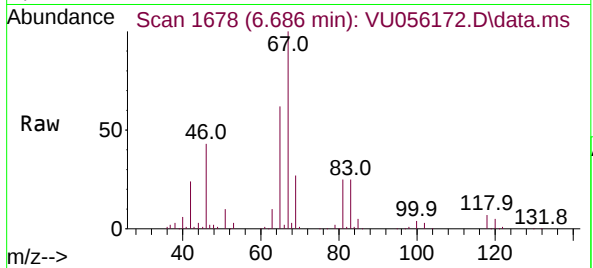




#35
Methylcyclohexane
Concen: 0.809 ug/L
RT: 6.686 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU056172.D
Acq: 10 Nov 2023 15:18

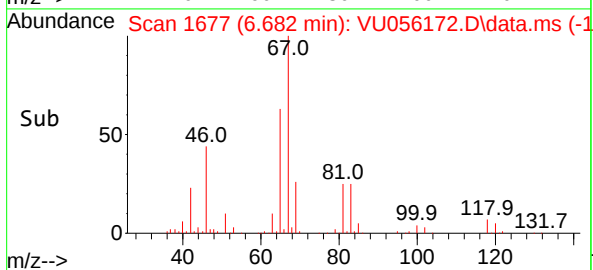
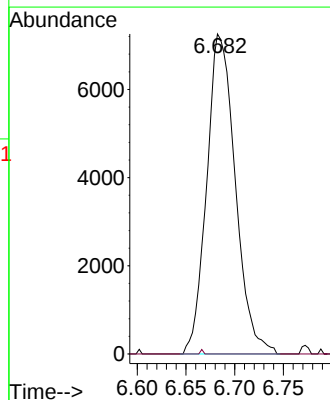
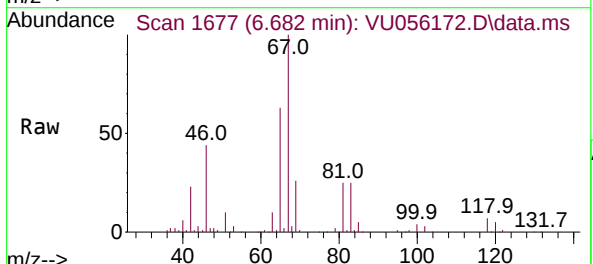
Instrument :
MSVOA_U
ClientSampleId :

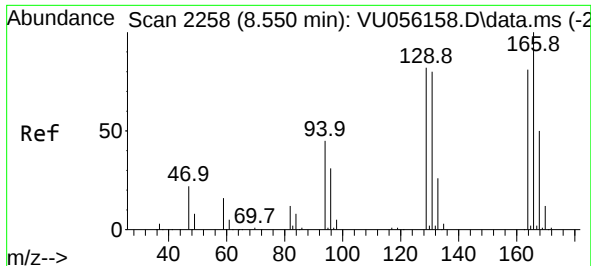
Tgt Ion: 83 Resp: 34137
Ion Ratio Lower Upper
83 100
55 0.2 60.6 91.0#
98 1.2 36.2 54.4#



#37
1,2-Dichloropropane
Concen: 0.549 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.103 min
Lab File: VU056172.D
Acq: 10 Nov 2023 15:18

Tgt Ion: 63 Resp: 14829
Ion Ratio Lower Upper
63 100
112 0.1 3.4 5.2#





#47

Tetrachloroethene

Concen: 9.316 ug/L

RT: 8.550 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU056172.D

Acq: 10 Nov 2023 15:18

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 198529

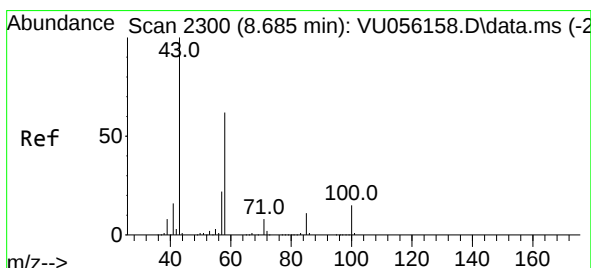
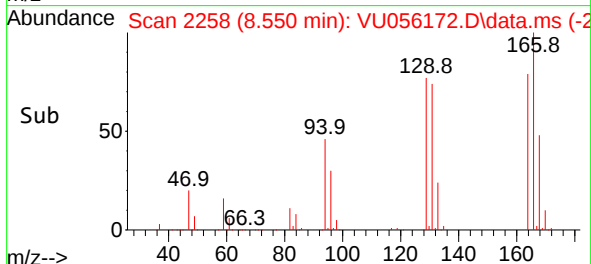
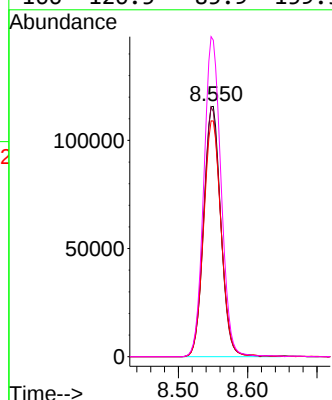
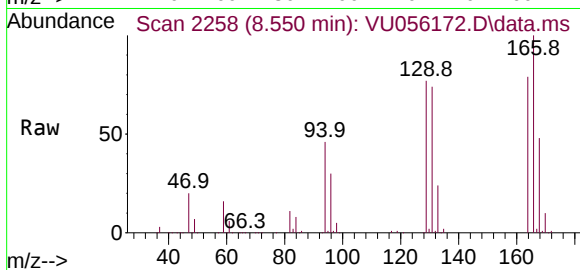
Ion Ratio Lower Upper

164 100

129 97.9 66.6 123.8

131 94.2 67.8 126.0

166 126.5 85.9 159.5



#48

2-Hexanone

Concen: 1.663 ug/L

RT: 8.689 min Scan# 2301

Delta R.T. 0.003 min

Lab File: VU056172.D

Acq: 10 Nov 2023 15:18

Tgt Ion: 43 Resp: 14319

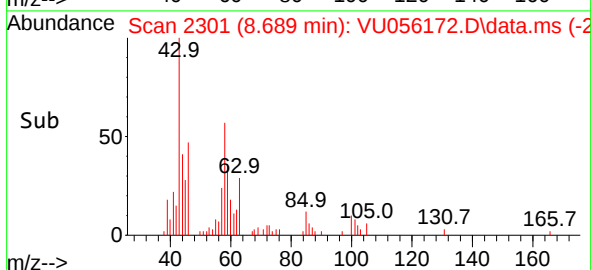
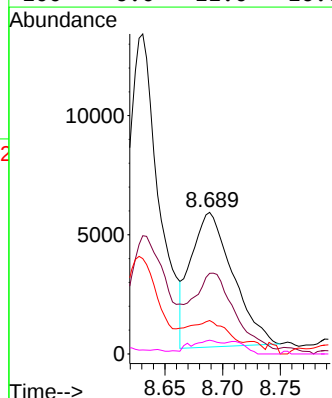
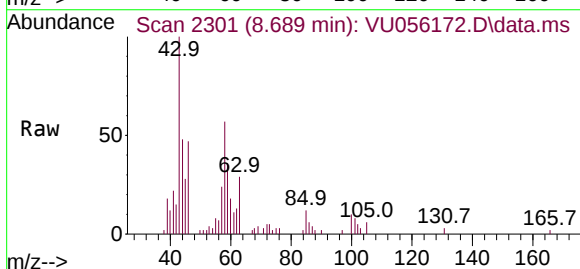
Ion Ratio Lower Upper

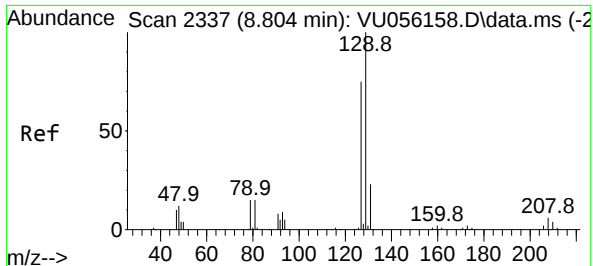
43 100

58 57.2 52.0 78.0

57 8.5 17.4 26.2#

100 6.0 11.0 16.6#

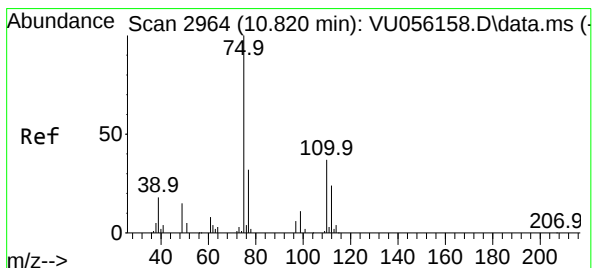
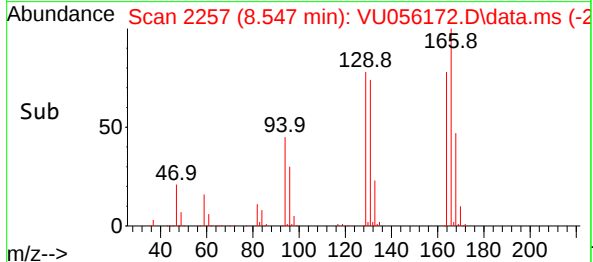
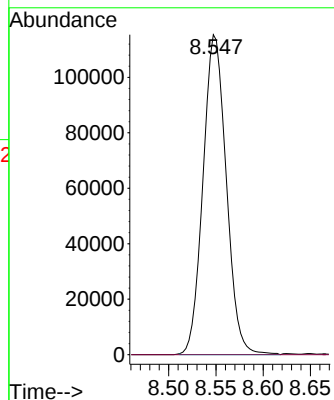
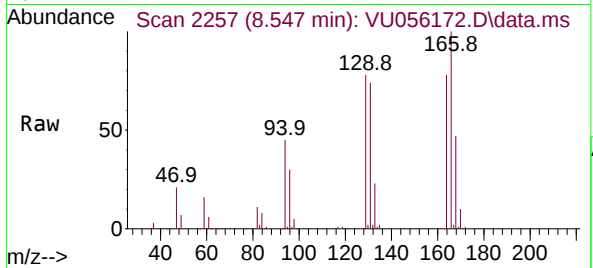




#49
Dibromochloromethane
Concen: 9.320 ug/L
RT: 8.547 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU056172.D
Acq: 10 Nov 2023 15:18

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 197634
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#



#61
1,2,3-Trichloropropane
Concen: 1.334 ug/L
RT: 11.808 min Scan# 3271
Delta R.T. 0.987 min
Lab File: VU056172.D
Acq: 10 Nov 2023 15:18

Tgt Ion: 75 Resp: 18778
Ion Ratio Lower Upper
75 100
110 2.6 29.7 44.5#
77 31.6 25.5 38.3

