

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111023\
 Data File : VU056187.D
 Acq On : 10 Nov 2023 22:12
 Operator : MD/SY
 Sample : 05340-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 11 01:43:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 11 00:40:59 2023
 Response via : Initial Calibration

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

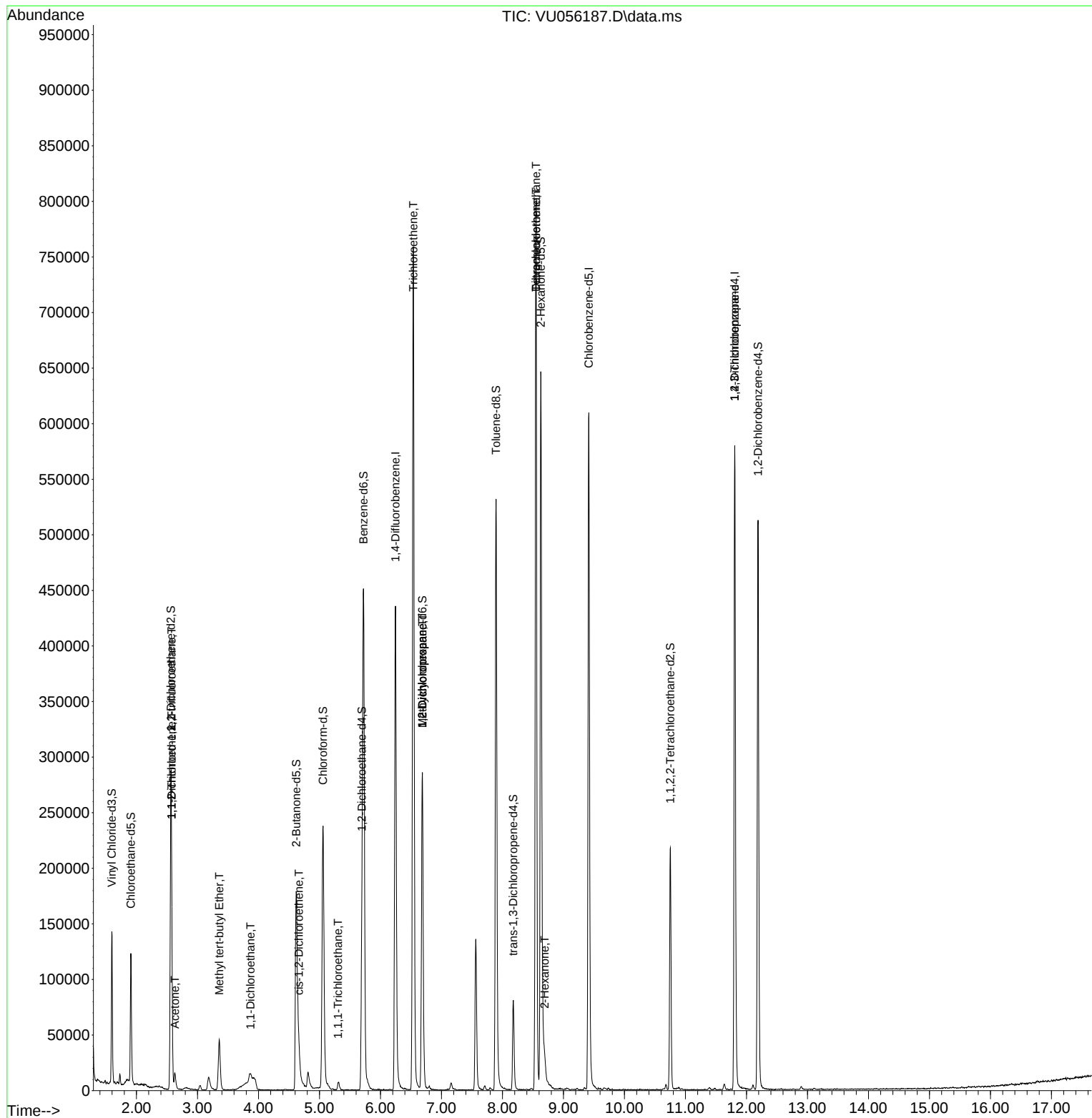
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	369938	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	368341	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	163141	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	100777	4.389	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	87.800%	
7) Chloroethane-d5	1.908	69	88601	5.686	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	113.800%	
11) 1,1-Dichloroethene-d2	2.563	65	45631	4.511	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	90.200%	
20) 2-Butanone-d5	4.618	46	268674	71.322	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	142.640%#	
24) Chloroform-d	5.055	84	228040	5.217	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	104.400%	
26) 1,2-Dichloroethane-d4	5.695	65	111143	5.775	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	115.400%	
32) Benzene-d6	5.721	84	452169	5.111	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	102.200%	
36) 1,2-Dichloropropane-d6	6.685	67	143718	5.519	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	110.400%	
41) Toluene-d8	7.894	98	379813	4.685	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	93.800%	
43) trans-1,3-Dichloroprop...	8.177	79	51159	5.139	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	102.800%	
46) 2-Hexanone-d5	8.627	63	230412	70.622	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	141.240%#	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	112672	6.062	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	121.200%#	
66) 1,2-Dichlorobenzene-d4	12.190	152	142877	5.679	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	113.600%	
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	15424	0.602	ug/L	93
12) 1,1-Dichloroethene	2.576	96	19805	0.833	ug/L #	1
13) Acetone	2.628	43	17828	6.417	ug/L	96
17) Methyl tert-butyl Ether	3.358	73	52197	0.974	ug/L	99
19) 1,1-Dichloroethane	3.869	63	7378	0.161	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	9256	0.340	ug/L	97
29) 1,1,1-Trichloroethane	5.303	97	5140	0.122	ug/L	96
34) Trichloroethene	6.538	95	273511	9.494	ug/L	95
35) Methylcyclohexane	6.685	83	34266	0.800	ug/L #	19
37) 1,2-Dichloropropane	6.685	63	15009	0.547	ug/L #	88
47) Tetrachloroethene	8.550	164	182747	8.452	ug/L	96
48) 2-Hexanone	8.692	43	12792	1.465	ug/L #	79
49) Dibromochloromethane	8.550	129	179398	8.339	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	18951	1.346	ug/L #	67

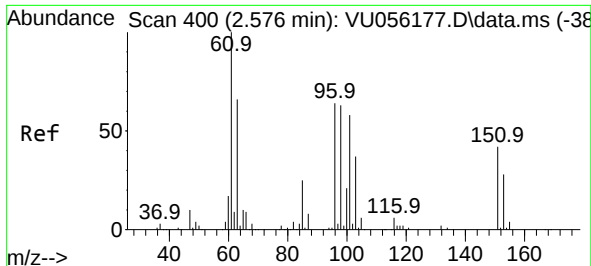
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.602 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU056187.D

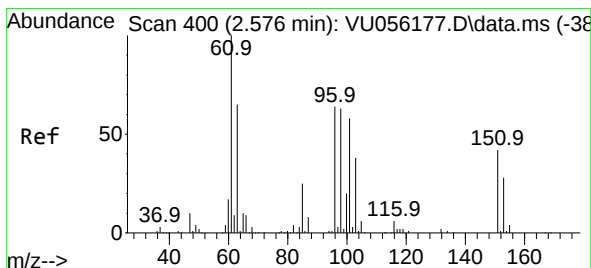
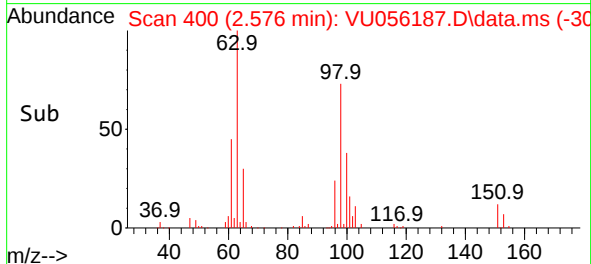
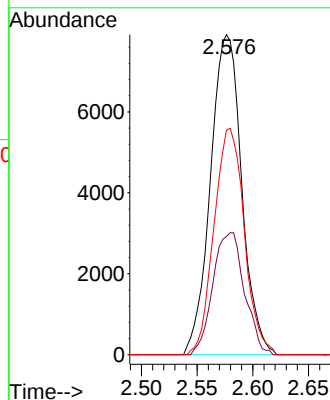
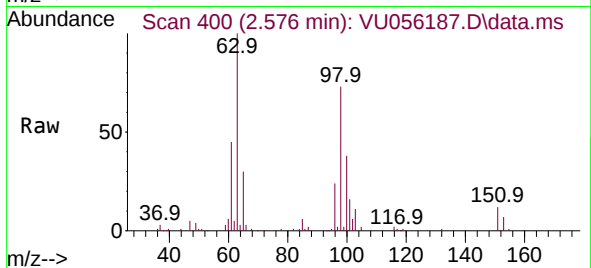
Acq: 10 Nov 2023 22:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	101	Resp:	15424
Ion Ratio	Lower	Upper	
101	100		
85	38.6	34.2	51.4
151	68.6	59.3	88.9



#12

1,1-Dichloroethene

Concen: 0.833 ug/L

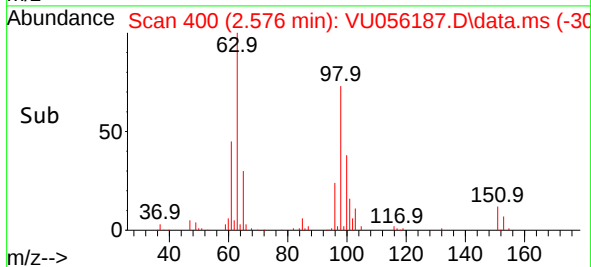
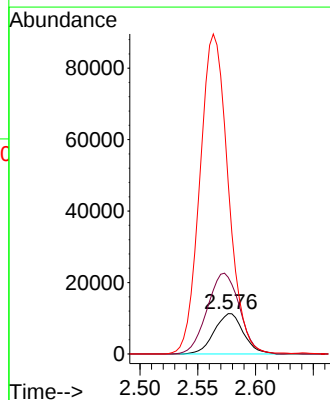
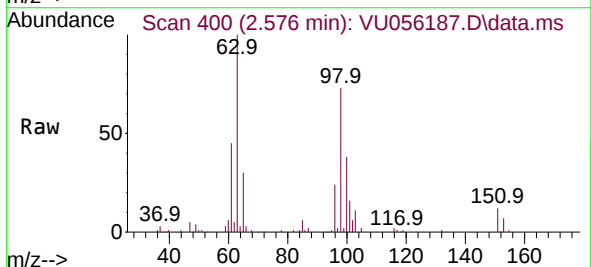
RT: 2.576 min Scan# 400

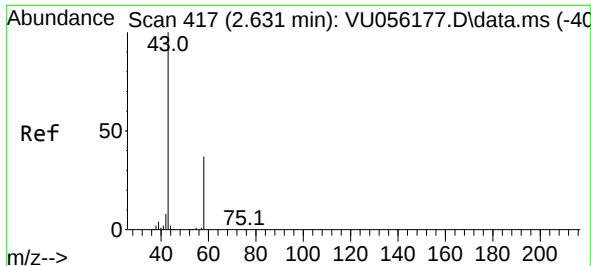
Delta R.T. 0.000 min

Lab File: VU056187.D

Acq: 10 Nov 2023 22:12

Tgt Ion:	96	Resp:	19805
Ion Ratio	Lower	Upper	
96	100		
61	190.0	111.7	207.5
63	425.1	74.5	138.3





#13

Acetone

Concen: 6.417 ug/L

RT: 2.628 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU056187.D

Acq: 10 Nov 2023 22:12

Instrument :

MSVOA_U

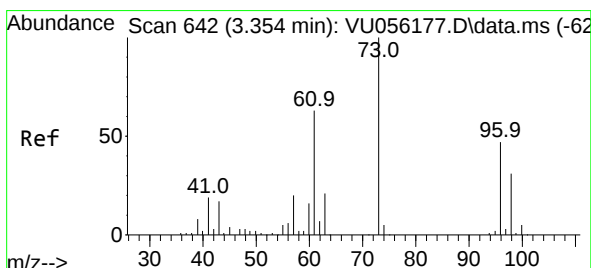
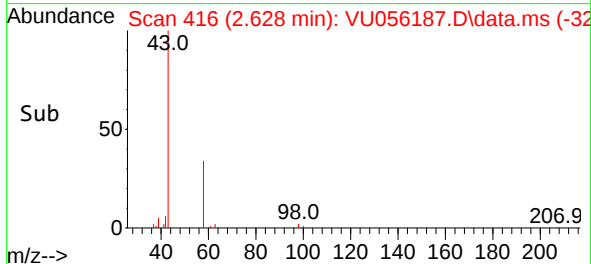
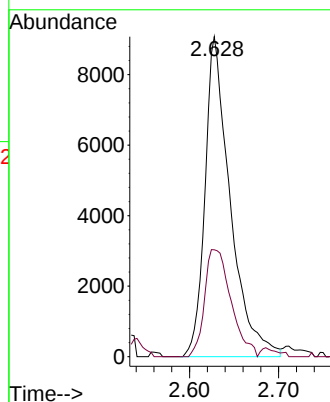
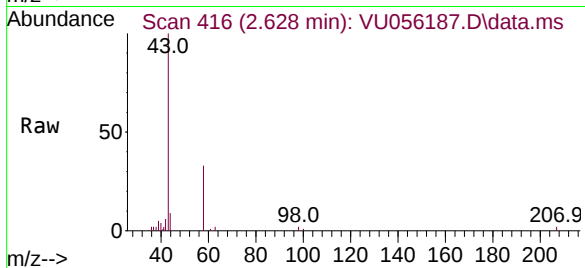
ClientSampleId :

Tgt Ion: 43 Resp: 17828

Ion Ratio Lower Upper

43 100

58 35.0 0.0 74.4



#17

Methyl tert-butyl Ether

Concen: 0.974 ug/L

RT: 3.358 min Scan# 643

Delta R.T. 0.003 min

Lab File: VU056187.D

Acq: 10 Nov 2023 22:12

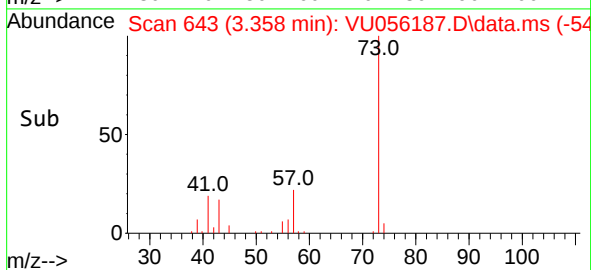
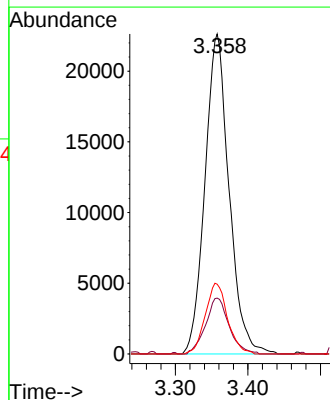
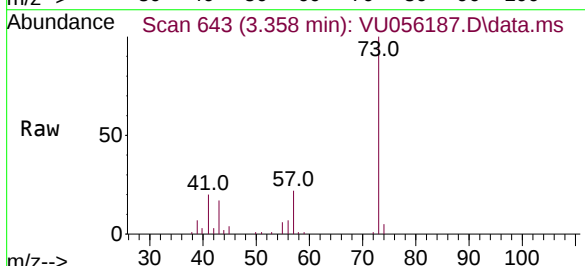
Tgt Ion: 73 Resp: 52197

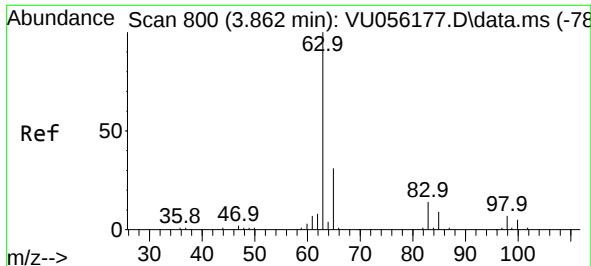
Ion Ratio Lower Upper

73 100

43 17.1 13.6 20.4

57 20.4 17.3 25.9





#19

1,1-Dichloroethane

Concen: 0.161 ug/L

RT: 3.869 min Scan# 800

Delta R.T. 0.007 min

Lab File: VU056187.D

Acq: 10 Nov 2023 22:12

Instrument :

MSVOA_U

ClientSampleId :

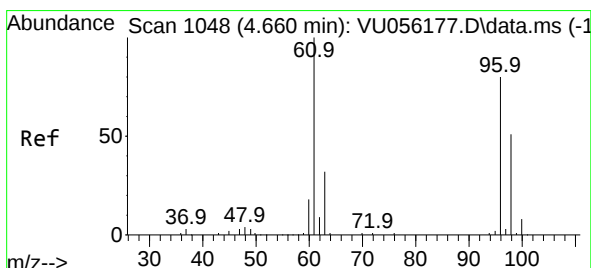
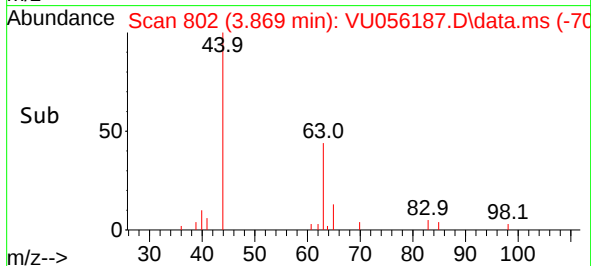
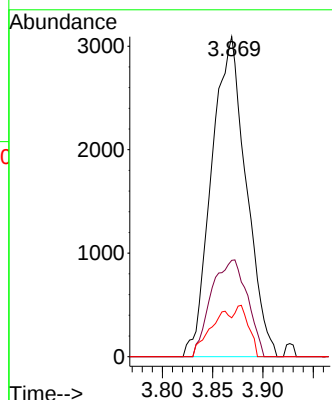
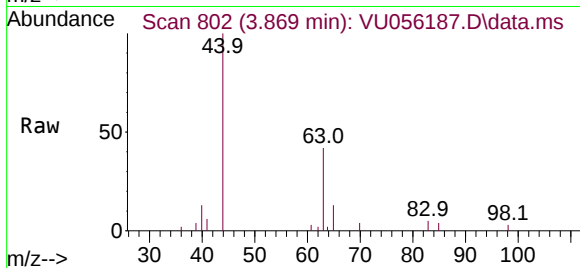
Tgt Ion: 63 Resp: 7378

Ion Ratio Lower Upper

63 100

65 28.9 20.6 38.2

83 11.7 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 0.340 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU056187.D

Acq: 10 Nov 2023 22:12

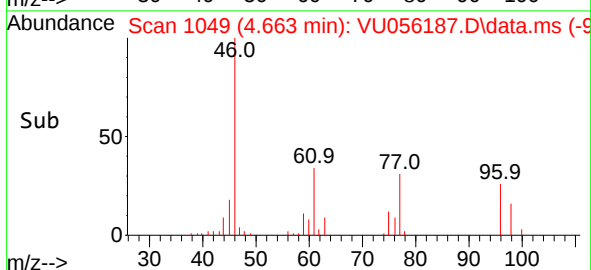
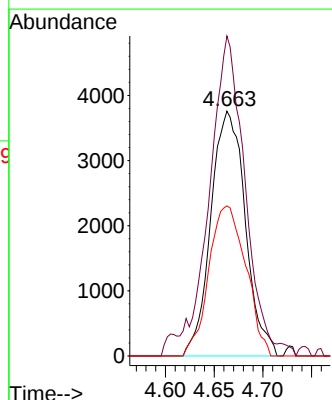
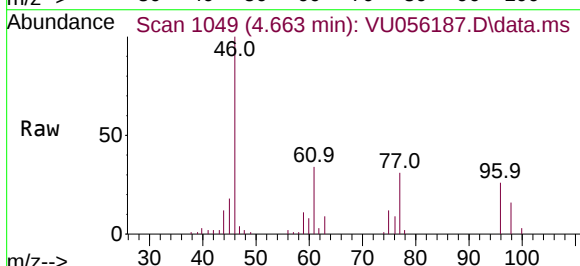
Tgt Ion: 96 Resp: 9256

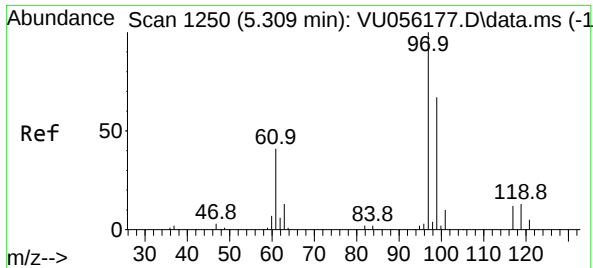
Ion Ratio Lower Upper

96 100

61 130.7 87.8 163.2

98 61.3 43.5 80.7





#29

1,1,1-Trichloroethane

Concen: 0.122 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. -0.006 min

Lab File: VU056187.D

Acq: 10 Nov 2023 22:12

Instrument :

MSVOA_U

ClientSampleId :

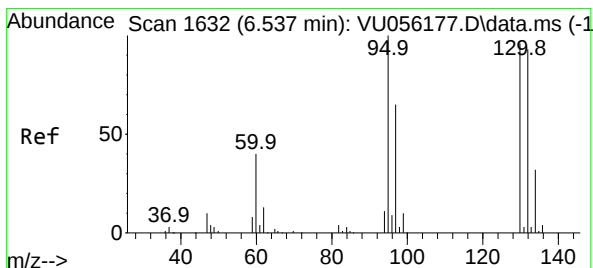
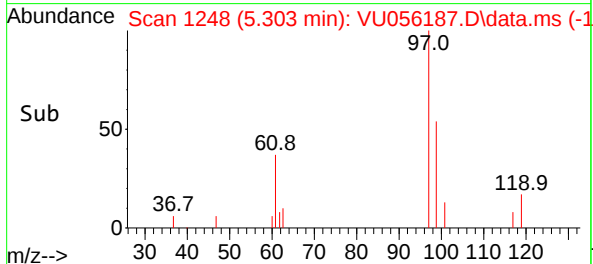
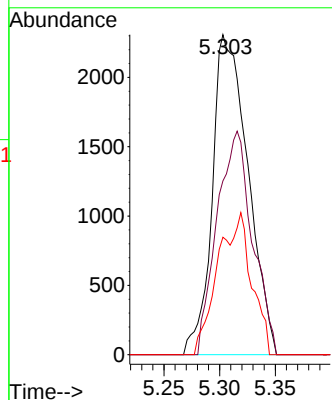
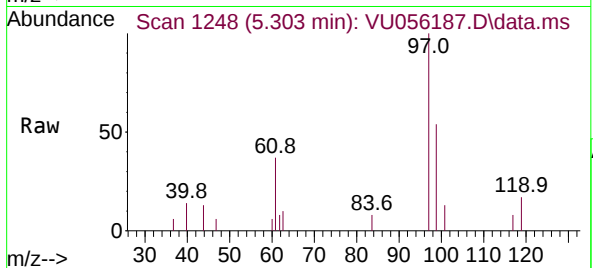
Tgt Ion: 97 Resp: 5140

Ion Ratio Lower Upper

97 100

99 69.4 52.0 78.0

61 42.1 33.4 50.0



#34

Trichloroethene

Concen: 9.494 ug/L

RT: 6.538 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VU056187.D

Acq: 10 Nov 2023 22:12

Tgt Ion: 95 Resp: 273511

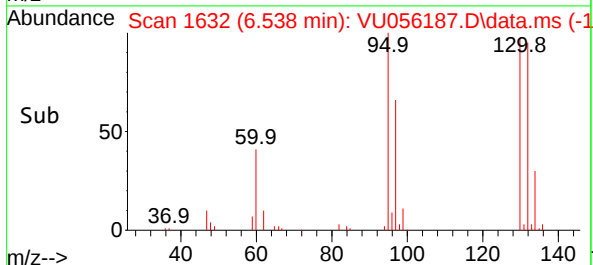
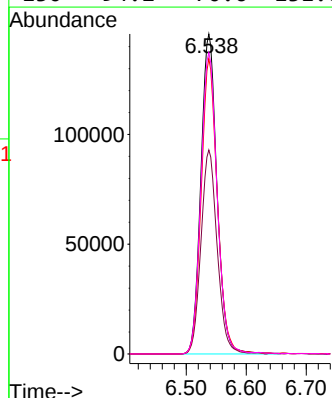
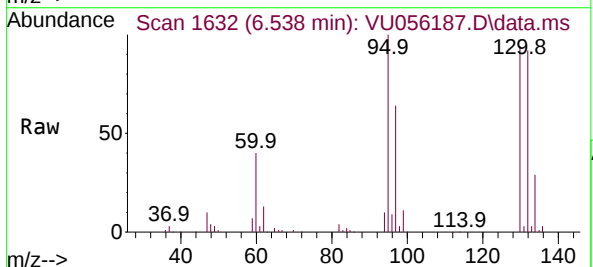
Ion Ratio Lower Upper

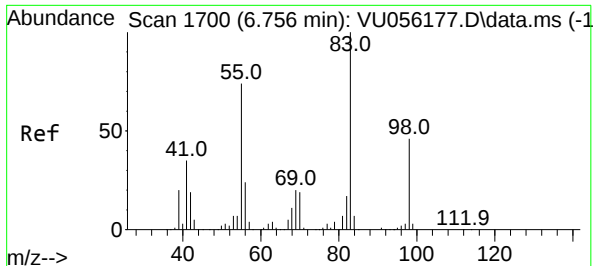
95 100

97 63.8 46.8 87.0

132 92.3 66.5 123.5

130 94.2 70.6 131.0

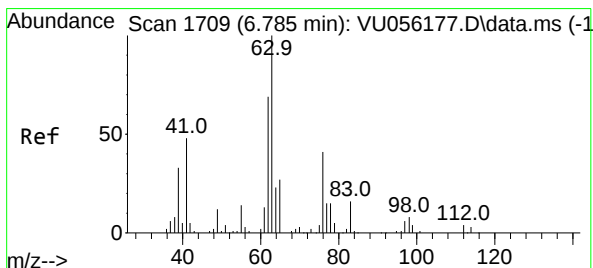
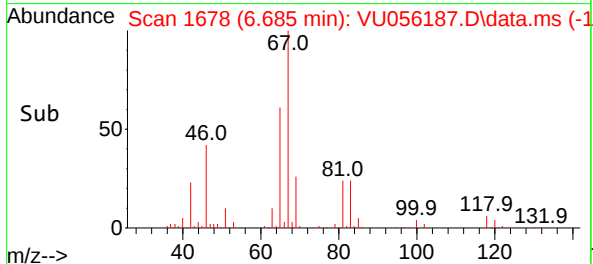
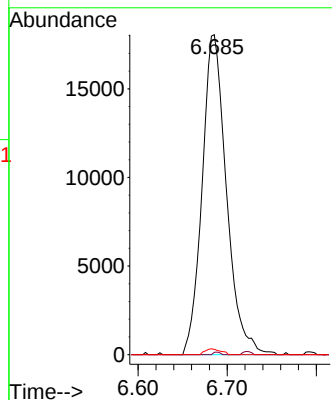
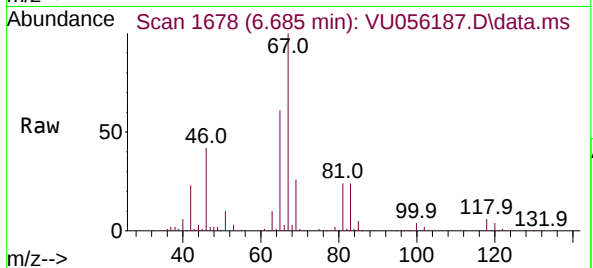




#35
Methylcyclohexane
Concen: 0.800 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.071 min
Lab File: VU056187.D
Acq: 10 Nov 2023 22:12

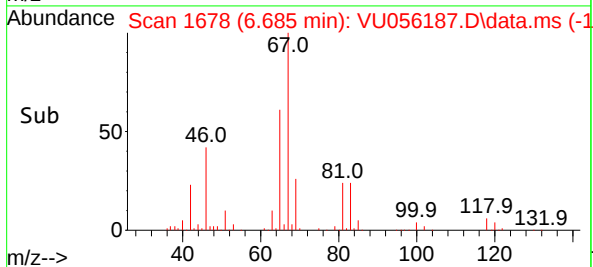
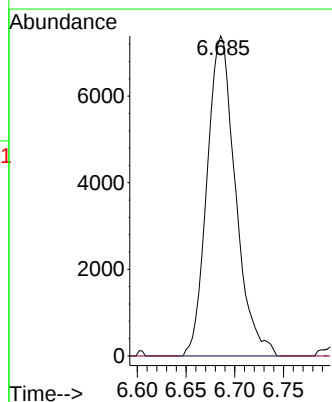
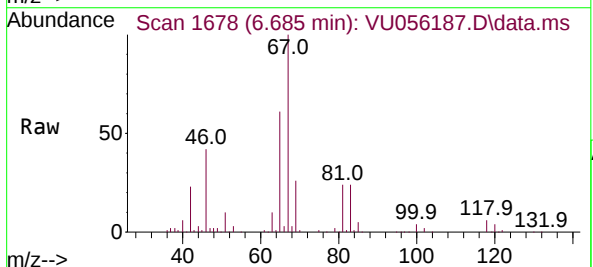
Instrument :
MSVOA_U
ClientSampleId :

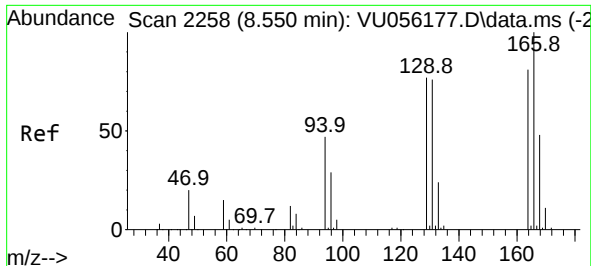
Tgt Ion: 83 Resp: 34266
Ion Ratio Lower Upper
83 100
55 0.2 60.6 91.0#
98 0.0 36.2 54.4#



#37
1,2-Dichloropropane
Concen: 0.547 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.100 min
Lab File: VU056187.D
Acq: 10 Nov 2023 22:12

Tgt Ion: 63 Resp: 15009
Ion Ratio Lower Upper
63 100
112 0.5 3.4 5.2#





#47

Tetrachloroethene

Concen: 8.452 ug/L

RT: 8.550 min Scan# 21

Delta R.T. 0.000 min

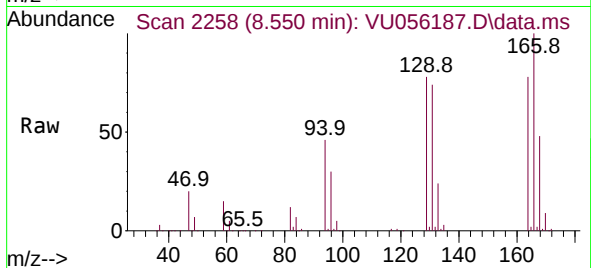
Lab File: VU056187.D

Acq: 10 Nov 2023 22:12

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 182747

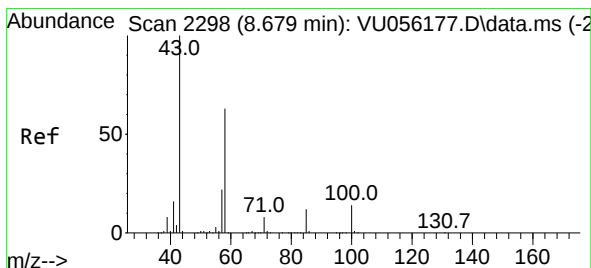
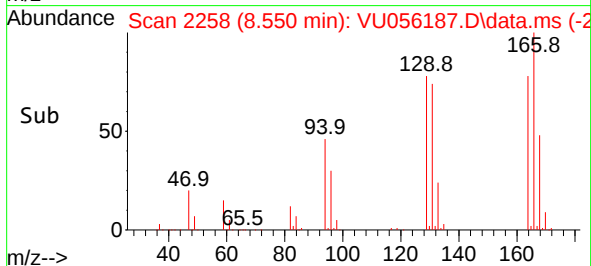
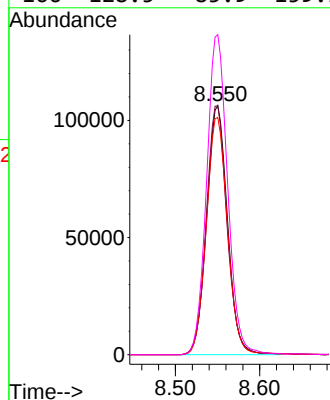
Ion Ratio Lower Upper

164 100

129 99.9 66.6 123.8

131 95.2 67.8 126.0

166 128.5 85.9 159.5



#48

2-Hexanone

Concen: 1.465 ug/L

RT: 8.692 min Scan# 2302

Delta R.T. 0.013 min

Lab File: VU056187.D

Acq: 10 Nov 2023 22:12

Tgt Ion: 43 Resp: 12792

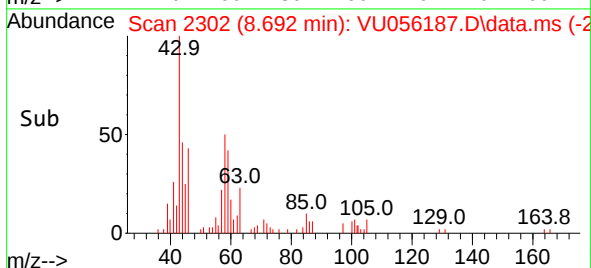
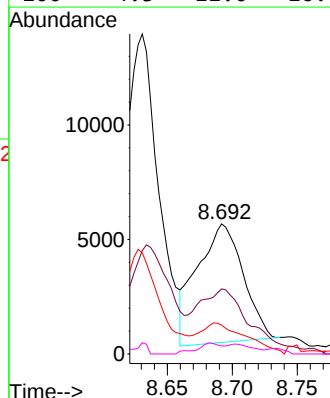
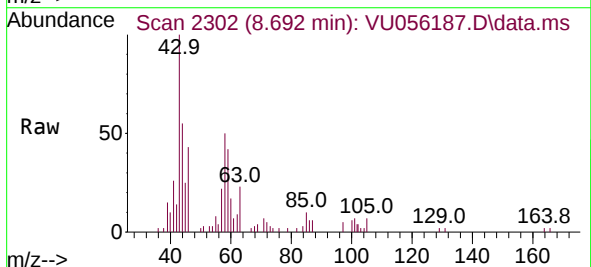
Ion Ratio Lower Upper

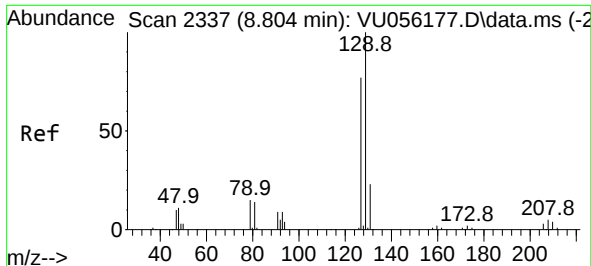
43 100

58 55.0 52.0 78.0

57 0.0 17.4 26.2#

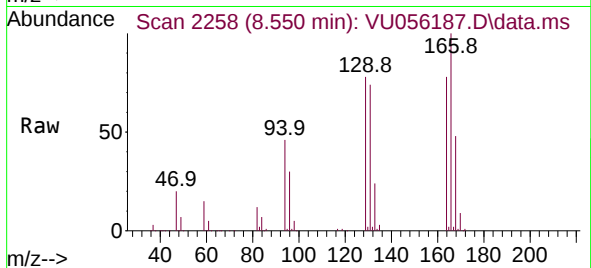
100 4.3 11.0 16.6#



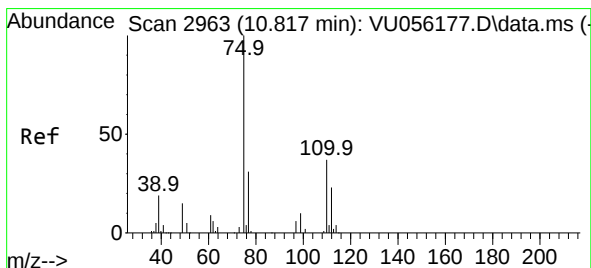
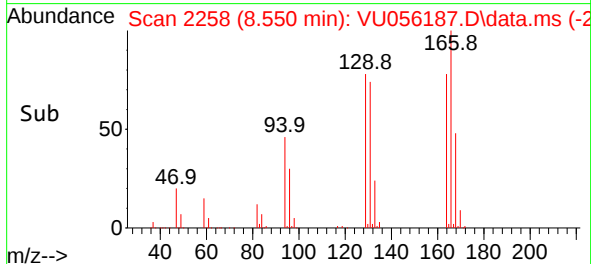
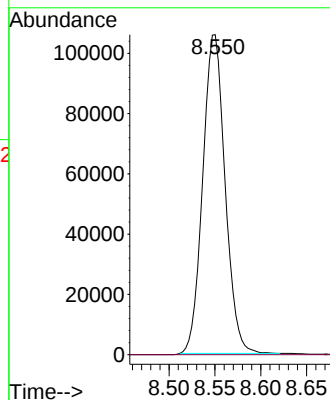


#49
Dibromochloromethane
Concen: 8.339 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.254 min
Lab File: VU056187.D
Acq: 10 Nov 2023 22:12

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:129 Resp: 179398
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#



#61
1,2,3-Trichloropropane
Concen: 1.346 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU056187.D
Acq: 10 Nov 2023 22:12

Tgt Ion: 75 Resp: 18951
Ion Ratio Lower Upper
75 100
110 2.5 29.7 44.5#
77 33.9 25.5 38.3

