

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091924\
 Data File : VU060903.D
 Acq On : 19 Sep 2024 17:07
 Operator : MD/SY
 Sample : P3952-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 19 23:59:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 19 23:54:48 2024
 Response via : Initial Calibration

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

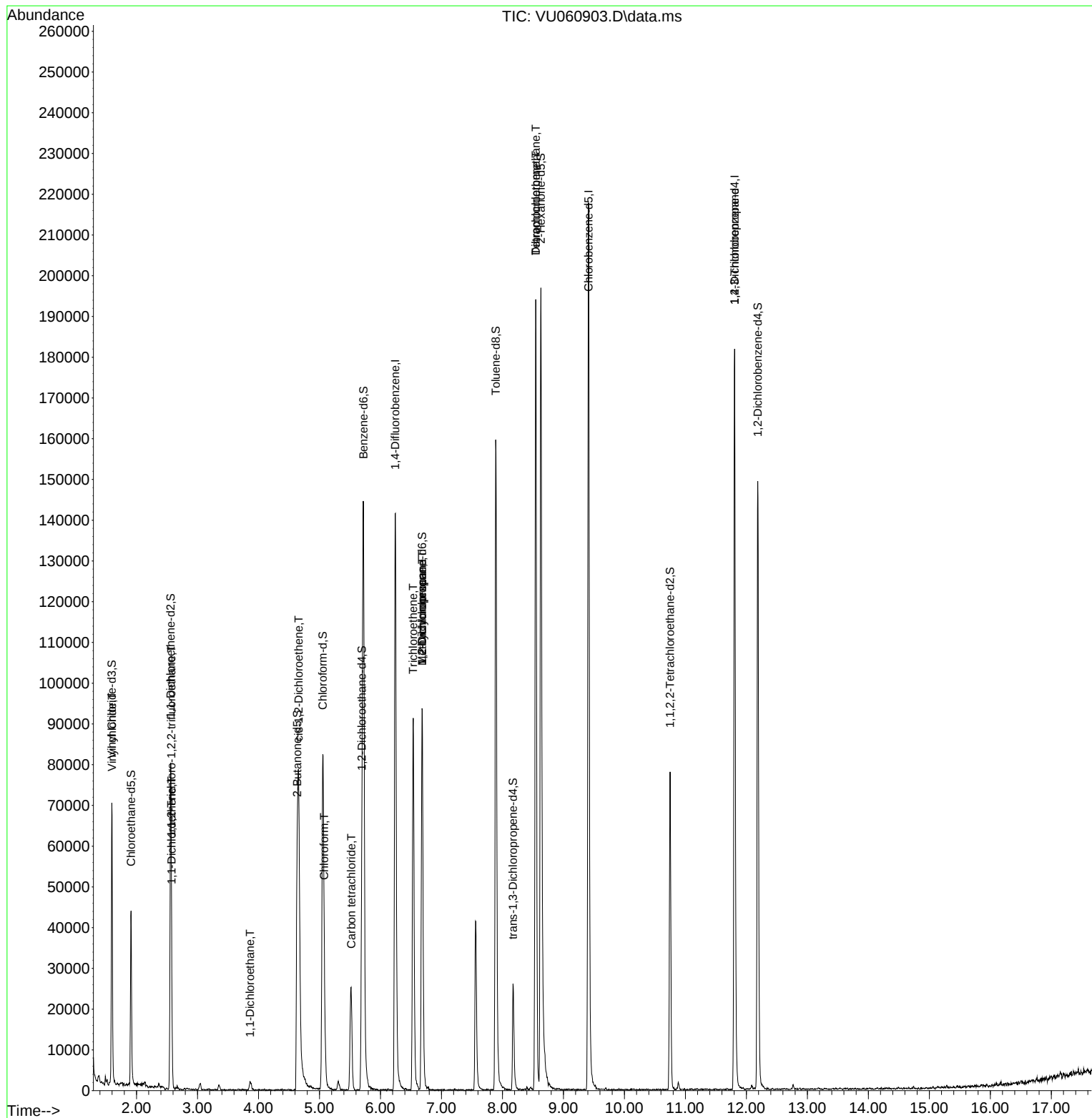
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	126997	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	135445	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	56336	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	34310	3.004	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.000%
7) Chloroethane-d5	1.910	69	31811	3.912	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.200%
11) 1,1-Dichloroethene-d2	2.560	65	14709	3.633	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.600%
20) 2-Butanone-d5	4.634	46	89848	48.997	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.000%
24) Chloroform-d	5.055	84	79128	4.531	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	5.695	65	39563	4.740	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	5.721	84	141767	3.905	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.200%
36) 1,2-Dichloropropane-d6	6.682	67	47444	4.224	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.400%
41) Toluene-d8	7.891	98	120369	3.637	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.800%
43) trans-1,3-Dichloroprop...	8.174	79	16833	4.163	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.200%
46) 2-Hexanone-d5	8.630	63	72576	45.506	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.020%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	40067	4.553	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	44869	4.740	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	16753	1.529	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	1747	0.200	ug/L #	85
12) 1,1-Dichloroethene	2.576	96	2407	0.301	ug/L #	1
19) 1,1-Dichloroethane	3.862	63	3040	0.183	ug/L #	82
22) cis-1,2-Dichloroethene	4.660	96	27596	3.012	ug/L	98
25) Chloroform	5.078	83	12463	0.719	ug/L	96
31) Carbon tetrachloride	5.521	117	18701	1.445	ug/L	96
34) Trichloroethene	6.537	95	32615	3.341	ug/L	95
35) Methylcyclohexane	6.685	83	12077	0.902	ug/L #	21
37) 1,2-Dichloropropane	6.685	63	5192	0.506	ug/L #	95
47) Tetrachloroethene	8.547	164	46361	5.975	ug/L	97
49) Dibromochloromethane	8.547	129	44203	5.241	ug/L #	9
61) 1,2,3-Trichloropropane	11.807	75	5540	1.054	ug/L #	68

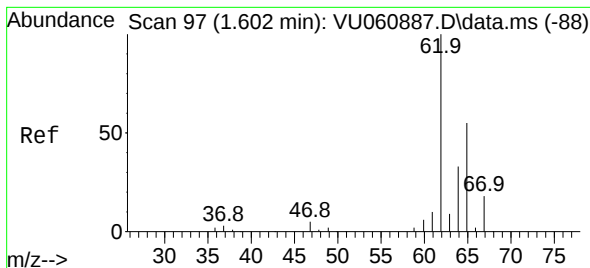
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 19 23:54:48 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.529 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.003 min

Lab File: VU060903.D

Acq: 19 Sep 2024 17:07

Instrument :

MSVOA_U

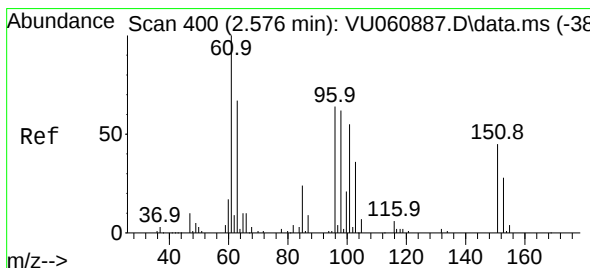
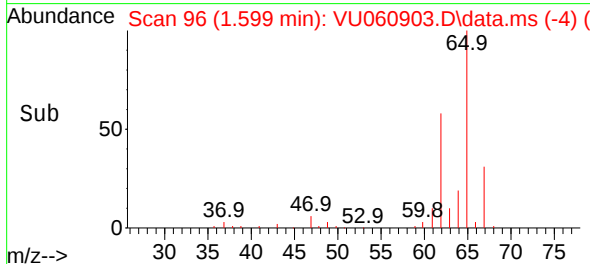
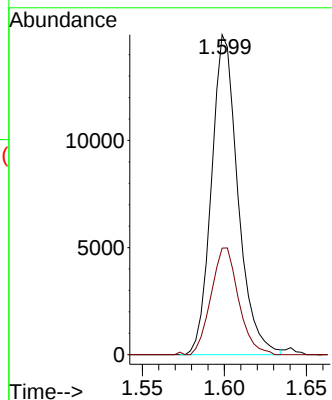
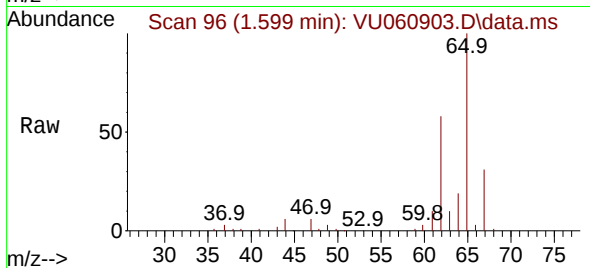
ClientSampleId :

Tgt Ion: 62 Resp: 16753

Ion Ratio Lower Upper

62 100

64 33.3 24.0 44.6



#10

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

Concen: 0.200 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU060903.D

Acq: 19 Sep 2024 17:07

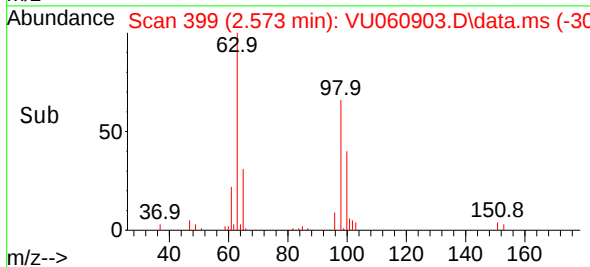
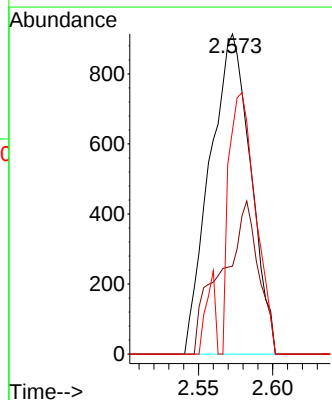
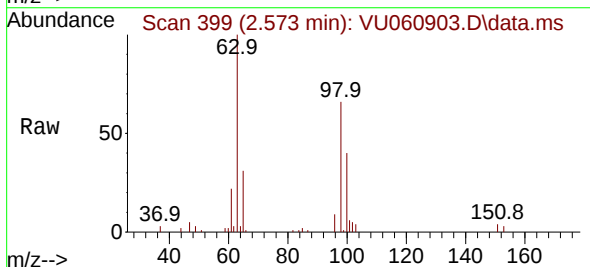
Tgt Ion:101 Resp: 1747

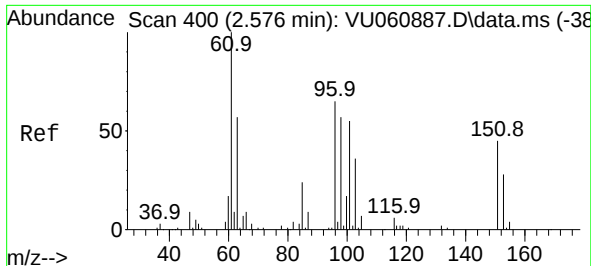
Ion Ratio Lower Upper

101 100

85 43.4 34.2 51.4

151 53.4 58.6 88.0#





#12

1,1-Dichloroethene

Concen: 0.301 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU060903.D

Acq: 19 Sep 2024 17:07

Instrument :

MSVOA_U

ClientSampleId :

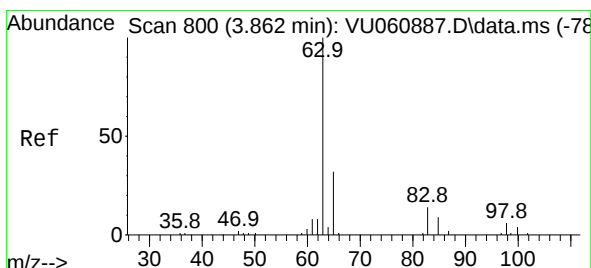
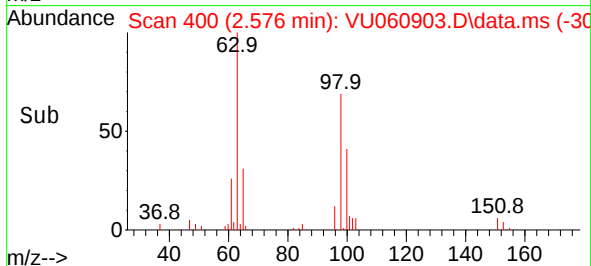
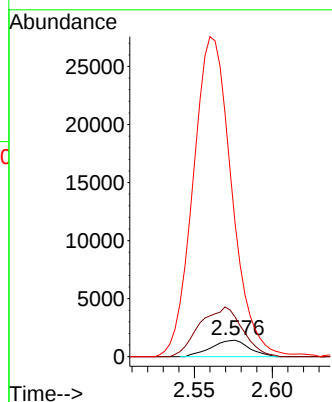
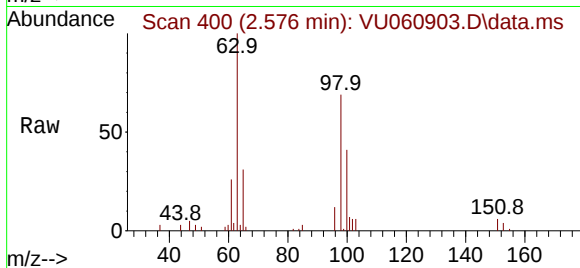
Tgt Ion: 96 Resp: 2407

Ion Ratio Lower Upper

96 100

61 241.2 120.7 224.1#

63 812.2 90.0 167.2#



#19

1,1-Dichloroethane

Concen: 0.183 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU060903.D

Acq: 19 Sep 2024 17:07

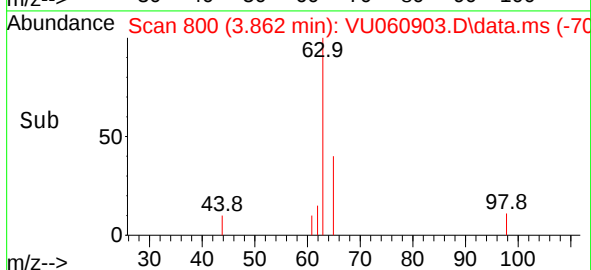
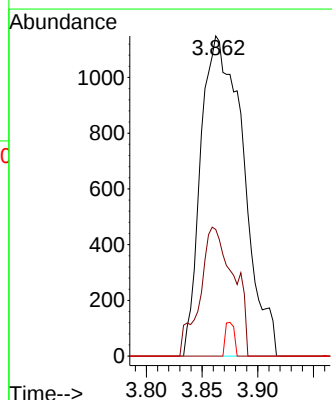
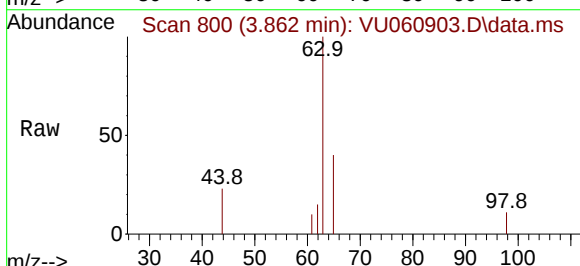
Tgt Ion: 63 Resp: 3040

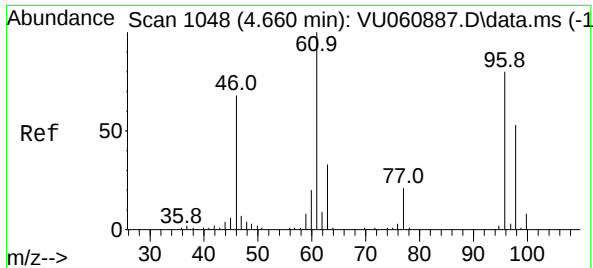
Ion Ratio Lower Upper

63 100

65 39.6 23.0 42.8

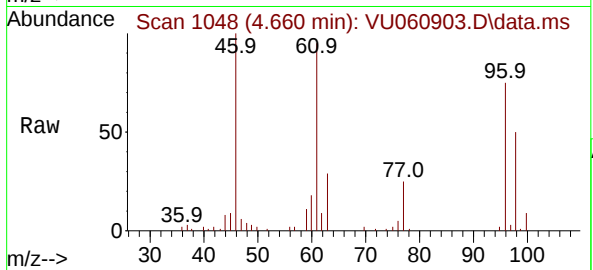
83 0.0 9.0 16.6#



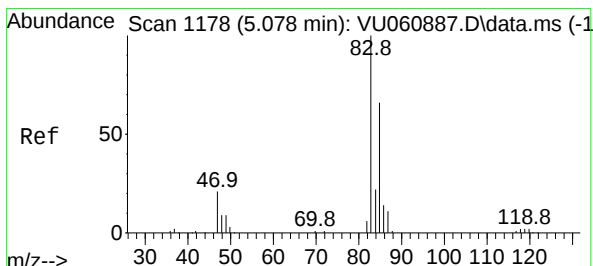
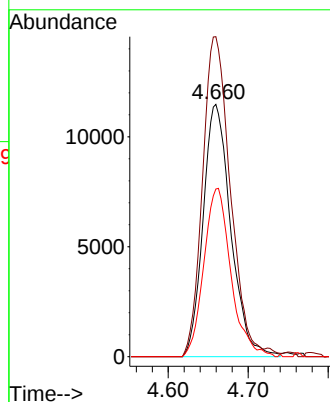
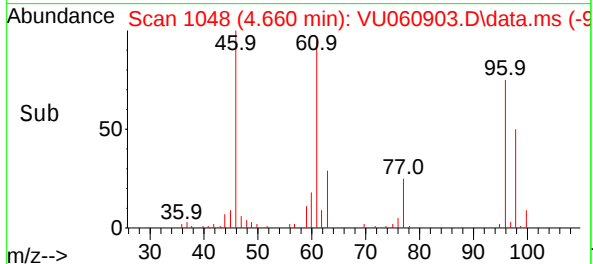


#22
cis-1,2-Dichloroethene
Concen: 3.012 ug/L
RT: 4.660 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VU060903.D
Acq: 19 Sep 2024 17:07

Instrument :
MSVOA_U
ClientSampleId :

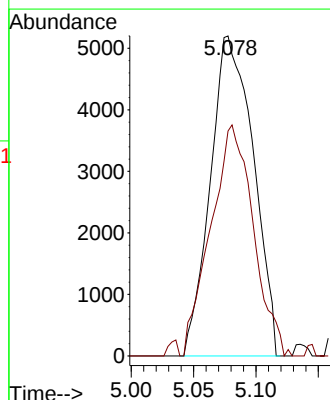
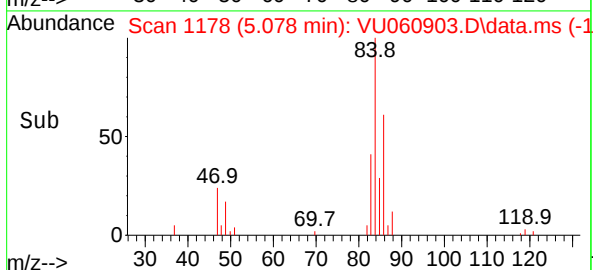
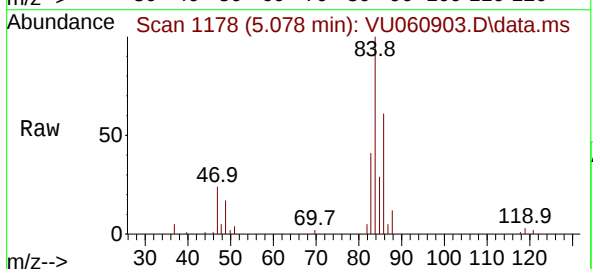


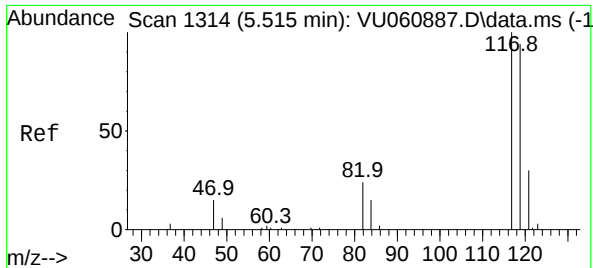
Tgt Ion: 96 Resp: 27596
Ion Ratio Lower Upper
96 100
61 126.8 89.7 166.5
98 68.1 45.1 83.9



#25
Chloroform
Concen: 0.719 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. -0.000 min
Lab File: VU060903.D
Acq: 19 Sep 2024 17:07

Tgt Ion: 83 Resp: 12463
Ion Ratio Lower Upper
83 100
85 70.3 46.8 86.8

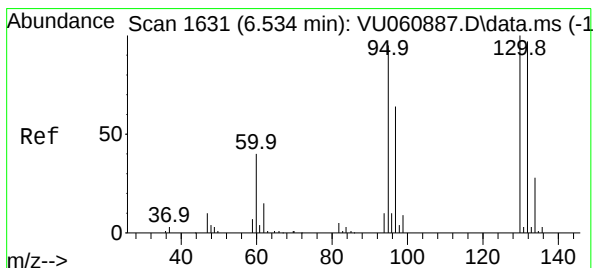
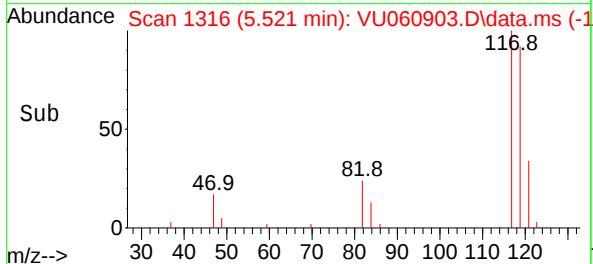
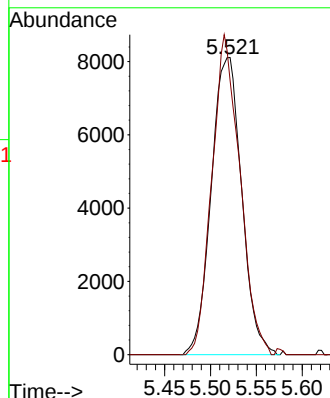
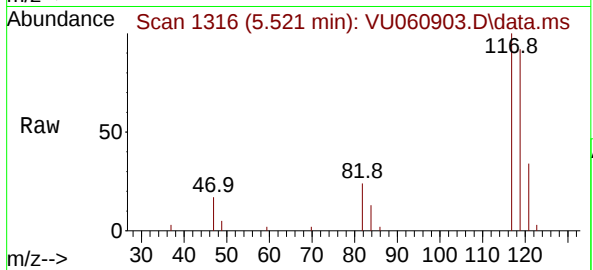




#31
Carbon tetrachloride
Concen: 1.445 ug/L
RT: 5.521 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU060903.D
Acq: 19 Sep 2024 17:07

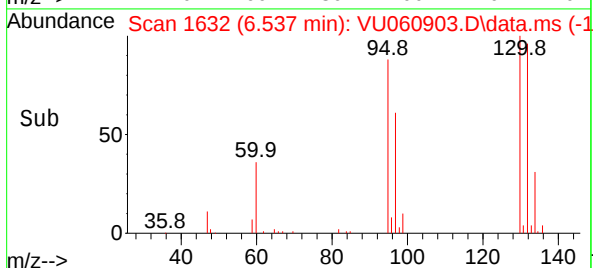
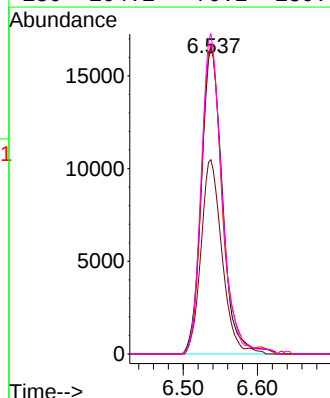
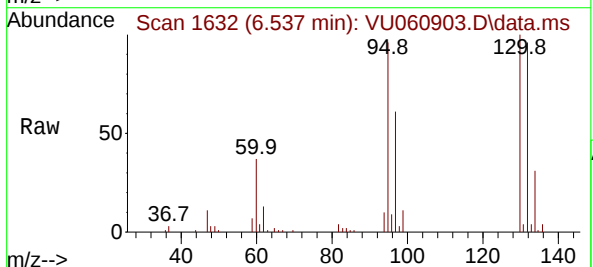
Instrument :
MSVOA_U
ClientSampleId :

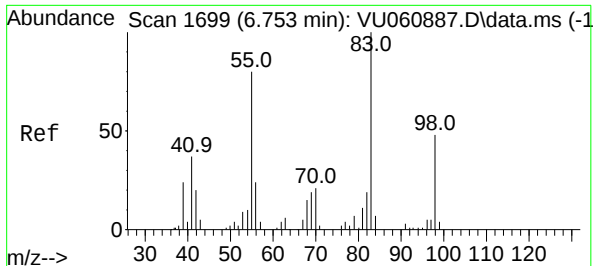
Tgt Ion:117 Resp: 18701
Ion Ratio Lower Upper
117 100
119 99.3 76.3 114.5



#34
Trichloroethene
Concen: 3.341 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.003 min
Lab File: VU060903.D
Acq: 19 Sep 2024 17:07

Tgt Ion: 95 Resp: 32615
Ion Ratio Lower Upper
95 100
97 63.2 44.9 83.5
132 100.3 63.5 117.9
130 104.1 70.2 130.4





#35

Methylcyclohexane

Concen: 0.902 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.068 min

Lab File: VU060903.D

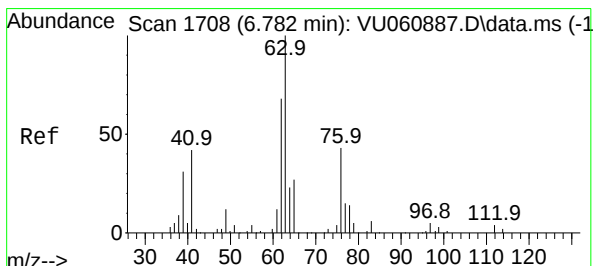
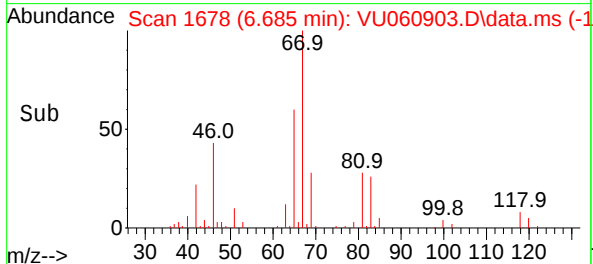
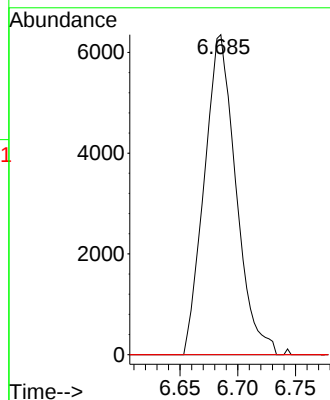
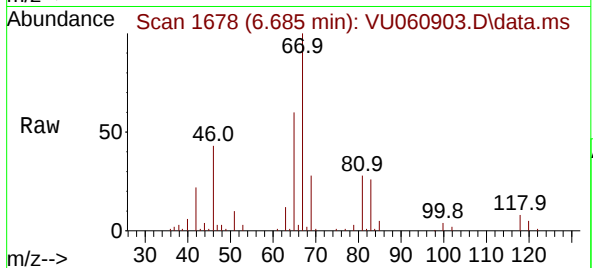
Acq: 19 Sep 2024 17:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 12077
Ion Ratio	Lower Upper
83	100
55	0.0 62.6 94.0#
98	5.4 37.6 56.4#



#37

1,2-Dichloropropane

Concen: 0.506 ug/L

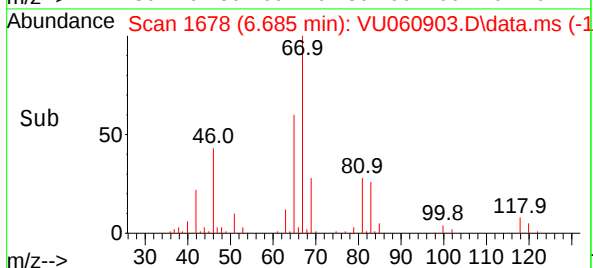
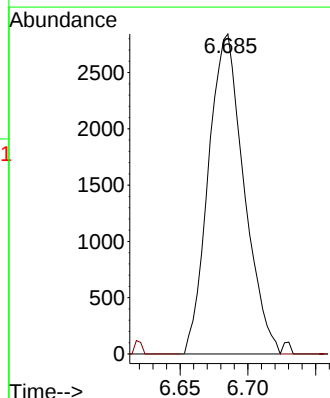
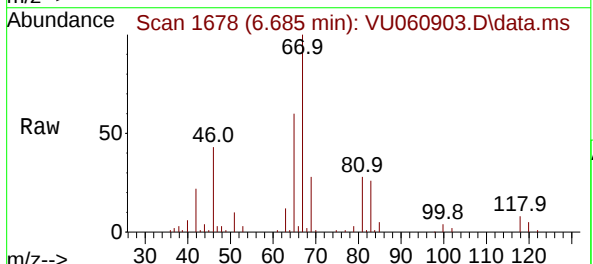
RT: 6.685 min Scan# 1678

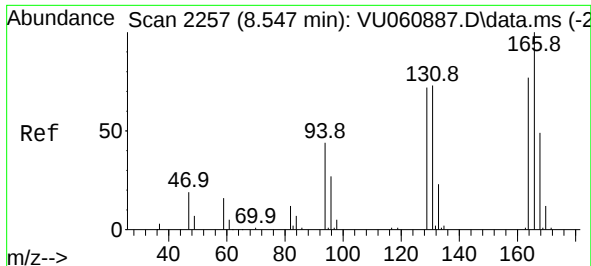
Delta R.T. -0.097 min

Lab File: VU060903.D

Acq: 19 Sep 2024 17:07

Tgt Ion: 63	Resp: 5192
Ion Ratio	Lower Upper
63	100
112	0.8 2.0 3.0#





#47

Tetrachloroethene

Concen: 5.975 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU060903.D

Acq: 19 Sep 2024 17:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 46361

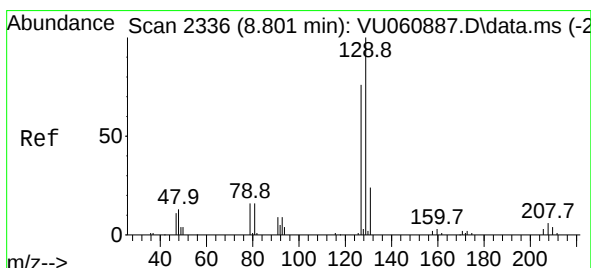
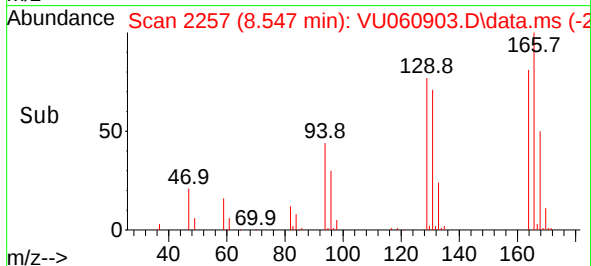
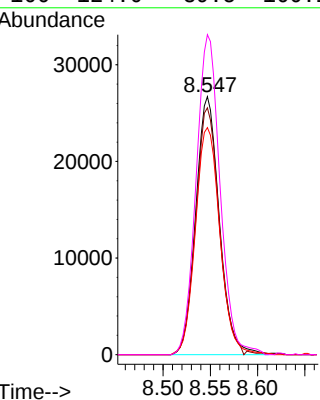
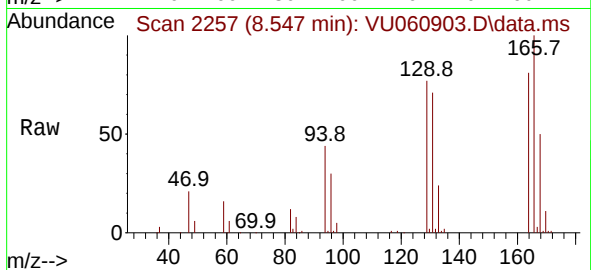
Ion Ratio Lower Upper

164 100

129 95.7 67.3 124.9

131 88.0 65.4 121.4

166 124.0 89.5 166.1



#49

Dibromochloromethane

Concen: 5.241 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.254 min

Lab File: VU060903.D

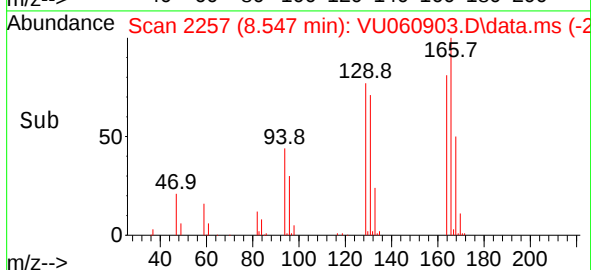
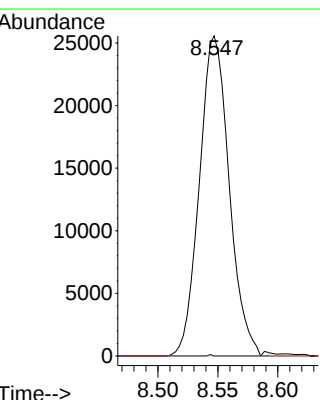
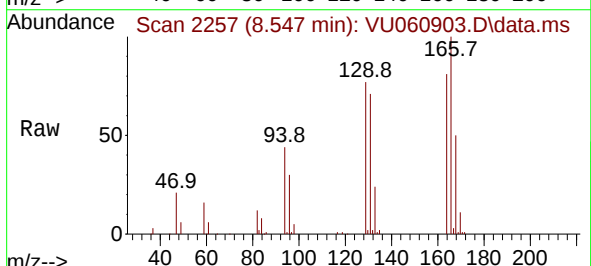
Acq: 19 Sep 2024 17:07

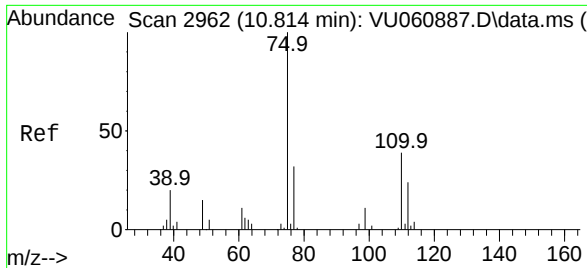
Tgt Ion:129 Resp: 44203

Ion Ratio Lower Upper

129 100

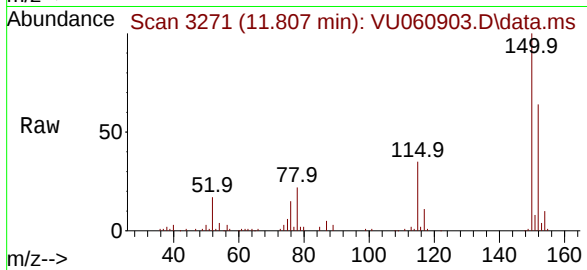
127 0.0 56.1 104.1#





#61
1,2,3-Trichloropropane
Concen: 1.054 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.993 min
Lab File: VU060903.D
Acq: 19 Sep 2024 17:07

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.4	28.6	43.0#
77	32.7	26.3	39.5

