

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092524\
 Data File : VU061001.D
 Acq On : 25 Sep 2024 13:55
 Operator : MD/SY
 Sample : P4186-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 26 05:39:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 26 05:34:11 2024
 Response via : Initial Calibration

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

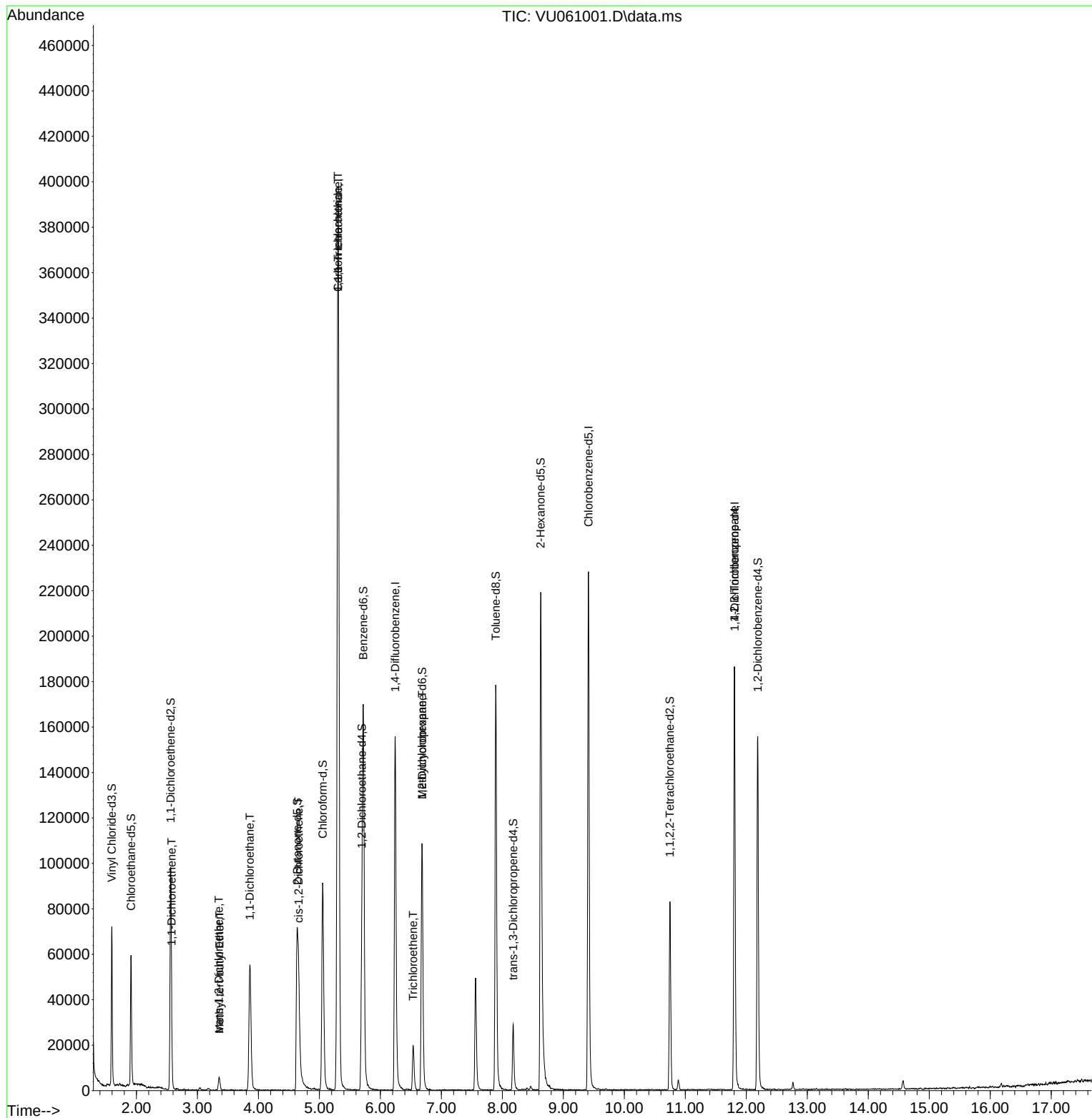
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	127999	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	139067	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	54369	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	49222	4.275	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.600%
7) Chloroethane-d5	1.911	69	42473	5.182	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.600%
11) 1,1-Dichloroethene-d2	2.560	65	18156	4.449	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.000%
20) 2-Butanone-d5	4.634	46	105070	56.850	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.700%
24) Chloroform-d	5.052	84	88416	5.024	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
26) 1,2-Dichloroethane-d4	5.695	65	46579	5.537	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.800%
32) Benzene-d6	5.718	84	164132	4.403	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
36) 1,2-Dichloropropane-d6	6.682	67	59074	5.122	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.400%
41) Toluene-d8	7.891	98	128623	3.785	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.600%
43) trans-1,3-Dichloroprop...	8.177	79	19035	4.585	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.800%
46) 2-Hexanone-d5	8.628	63	81111	49.533	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.060%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	43682	4.835	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	44747	4.898	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.000%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.576	96	3519	0.437	ug/L #	1
17) Methyl tert-butyl Ether	3.361	73	2813	0.155	ug/L #	86
18) trans-1,2-Dichloroethene	3.351	96	1648	0.198	ug/L	94
19) 1,1-Dichloroethane	3.859	63	66593	3.975	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	14901	1.614	ug/L	98
29) 1,1,1-Trichloroethane	5.306	97	292866	19.506	ug/L	99
31) Carbon tetrachloride	5.306	117	37748	2.840	ug/L	98
34) Trichloroethene	6.538	95	7575	0.756	ug/L	92
35) Methylcyclohexane	6.682	83	13107	0.953	ug/L #	21
61) 1,2,3-Trichloropropane	11.804	75	6240	1.231	ug/L #	66

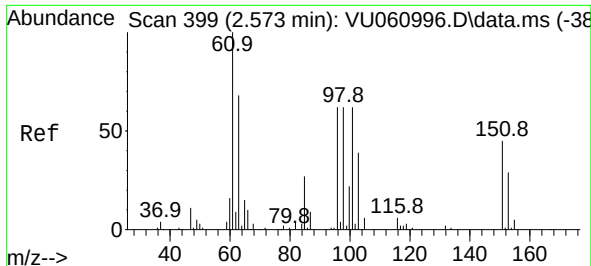
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.437 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU061001.D

Acq: 25 Sep 2024 13:55

Instrument :

MSVOA_U

ClientSampleId :

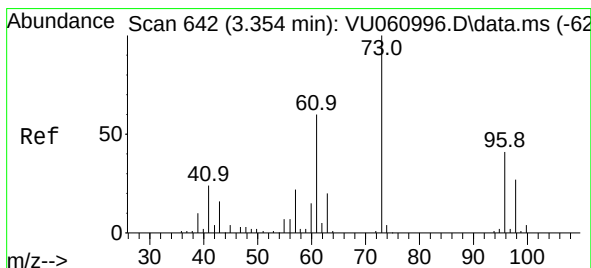
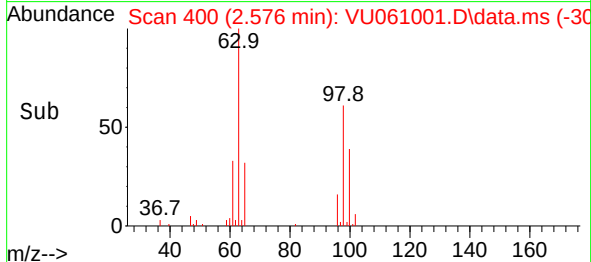
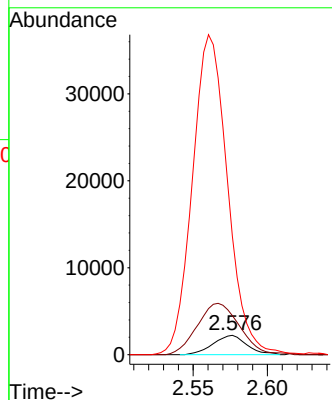
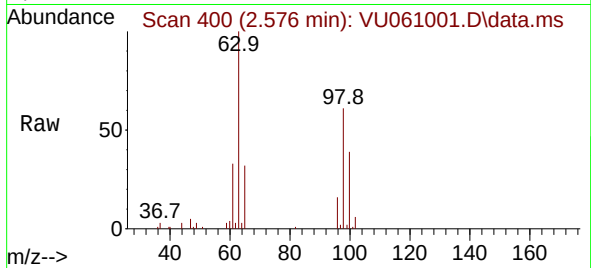
Tgt Ion: 96 Resp: 3519

Ion Ratio Lower Upper

96 100

61 201.4 120.7 224.1

63 611.6 90.0 167.2#



#17

Methyl tert-butyl Ether

Concen: 0.155 ug/L

RT: 3.361 min Scan# 644

Delta R.T. 0.007 min

Lab File: VU061001.D

Acq: 25 Sep 2024 13:55

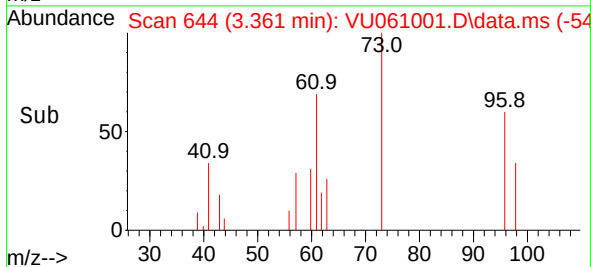
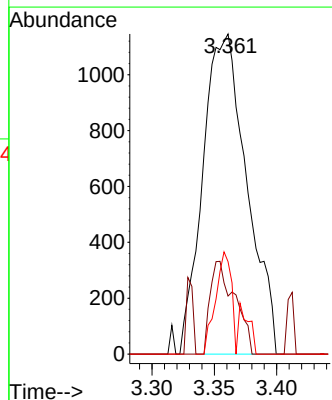
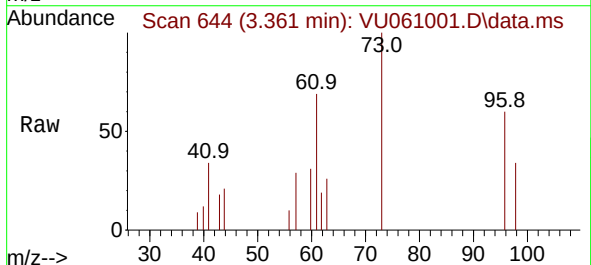
Tgt Ion: 73 Resp: 2813

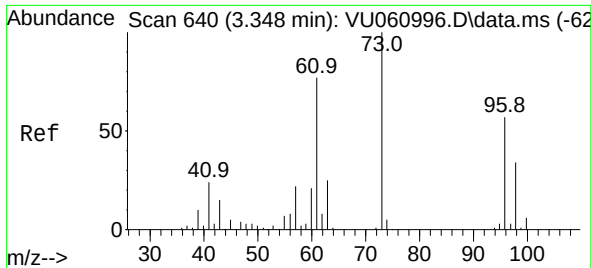
Ion Ratio Lower Upper

73 100

43 16.2 13.8 20.8

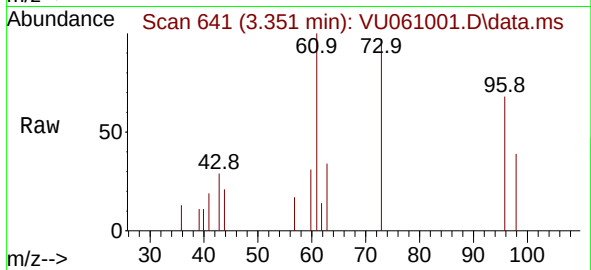
57 11.5 18.0 27.0#



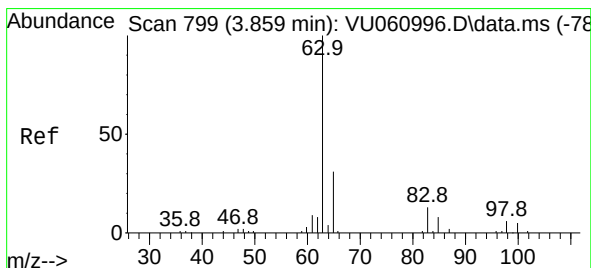
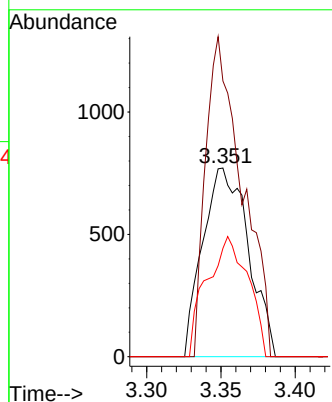
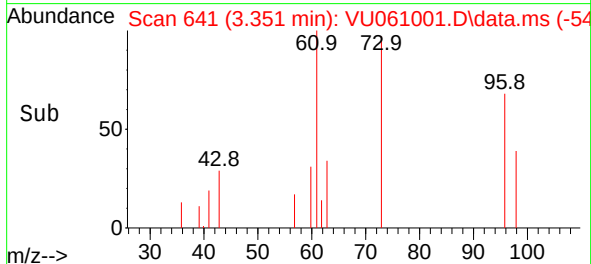


#18
trans-1,2-Dichloroethene
Concen: 0.198 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU061001.D
Acq: 25 Sep 2024 13:55

Instrument :
MSVOA_U
ClientSampleId :

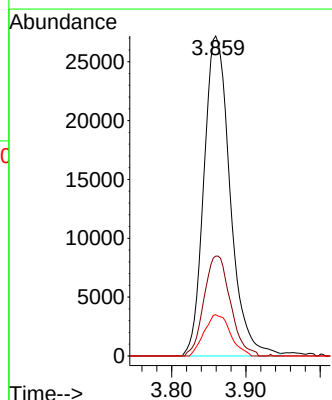
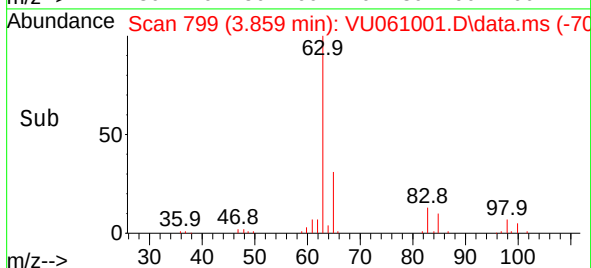
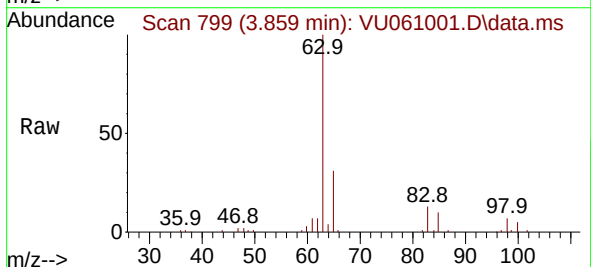


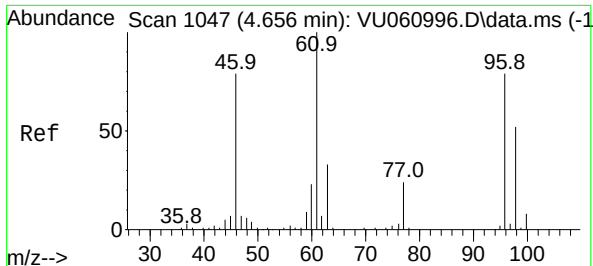
Tgt Ion: 96 Resp: 1648
Ion Ratio Lower Upper
96 100
61 146.2 97.2 180.6
98 57.5 43.3 80.5



#19
1,1-Dichloroethane
Concen: 3.975 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU061001.D
Acq: 25 Sep 2024 13:55

Tgt Ion: 63 Resp: 66593
Ion Ratio Lower Upper
63 100
65 32.1 23.0 42.8
83 12.9 9.0 16.6





#22

cis-1,2-Dichloroethene

Concen: 1.614 ug/L

RT: 4.660 min Scan# 1047

Delta R.T. 0.003 min

Lab File: VU061001.D

Acq: 25 Sep 2024 13:55

Instrument :

MSVOA_U

ClientSampleId :

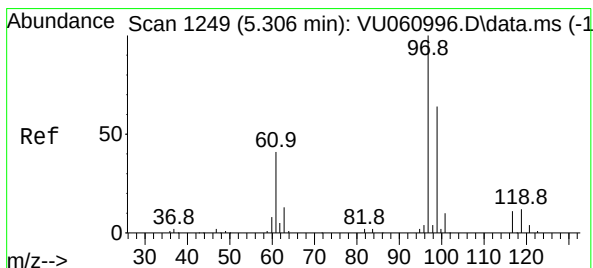
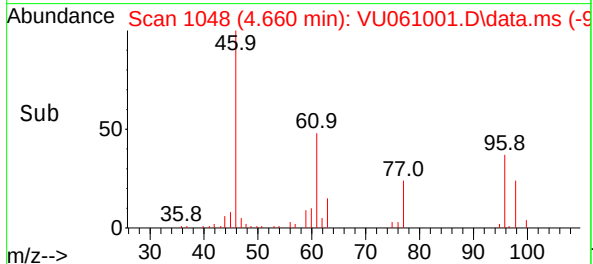
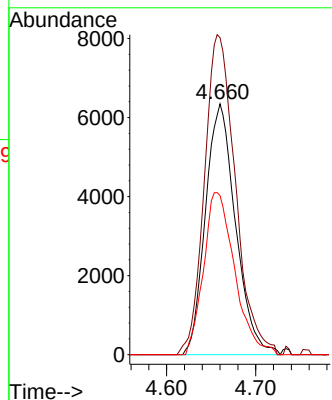
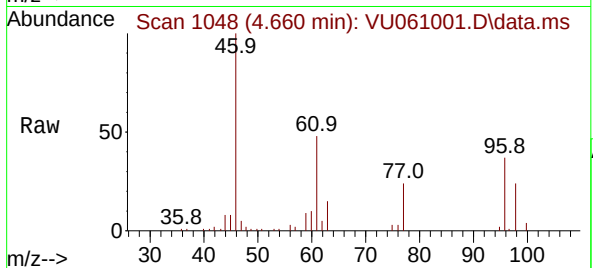
Tgt Ion: 96 Resp: 14901

Ion Ratio Lower Upper

96 100

61 126.3 89.7 166.5

98 63.4 45.1 83.9



#29

1,1,1-Trichloroethane

Concen: 19.506 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. 0.000 min

Lab File: VU061001.D

Acq: 25 Sep 2024 13:55

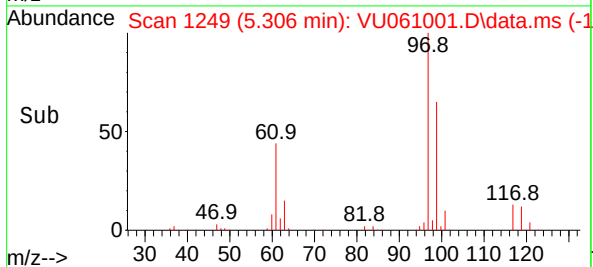
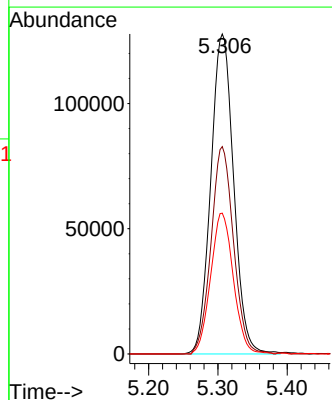
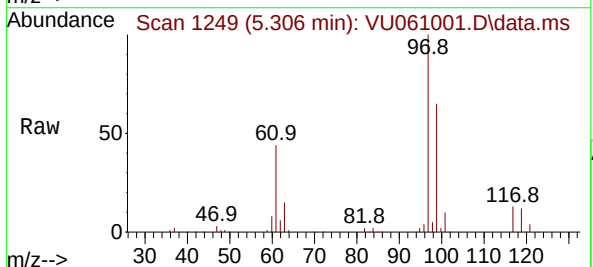
Tgt Ion: 97 Resp: 292866

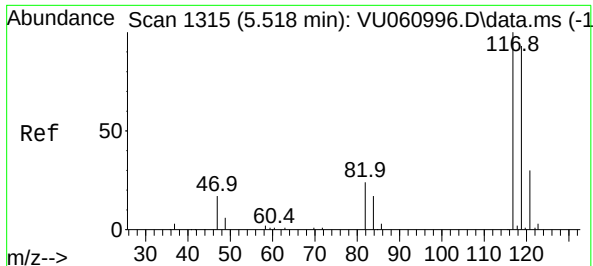
Ion Ratio Lower Upper

97 100

99 63.8 50.5 75.7

61 43.8 34.4 51.6

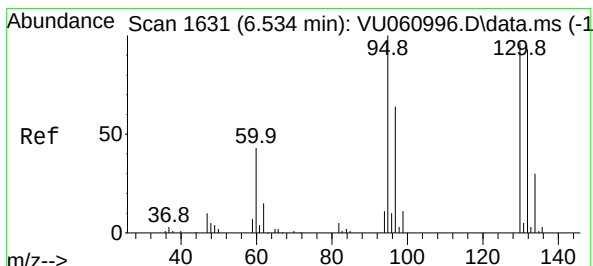
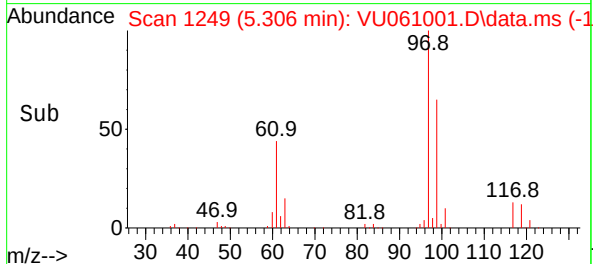
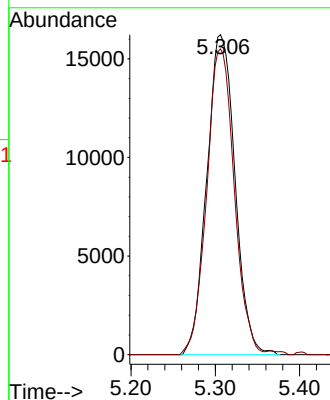
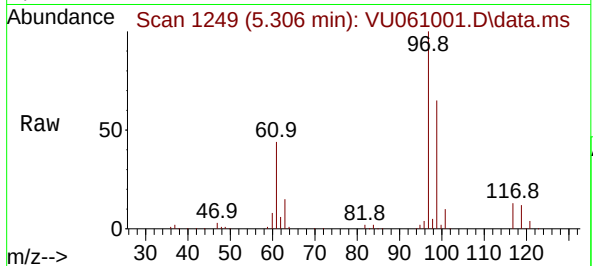




#31
Carbon tetrachloride
Concen: 2.840 ug/L
RT: 5.306 min Scan# 117
Delta R.T. -0.212 min
Lab File: VU061001.D
Acq: 25 Sep 2024 13:55

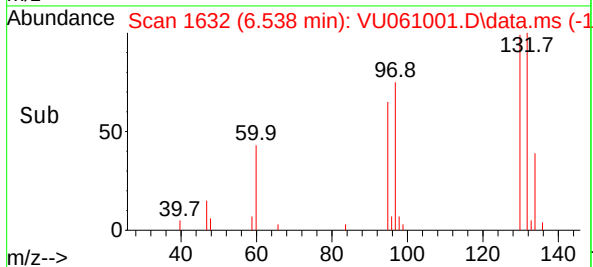
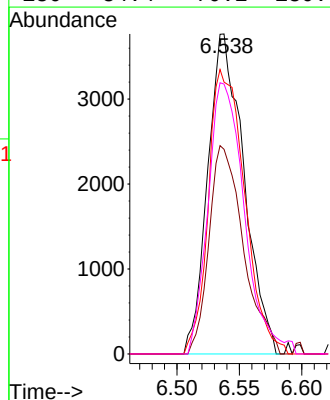
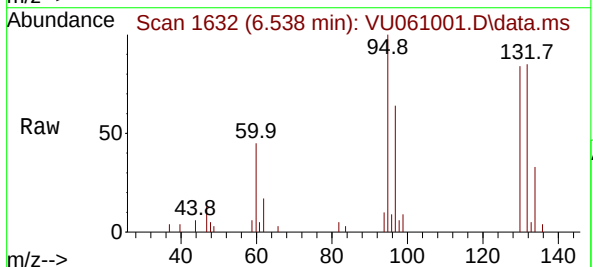
Instrument :
MSVOA_U
ClientSampleId :

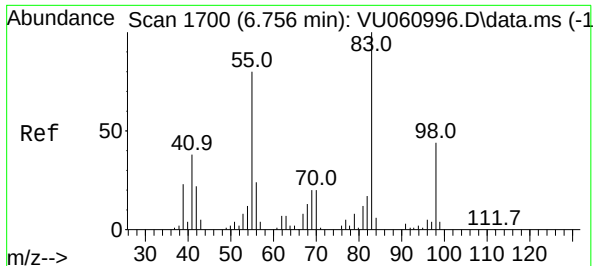
Tgt Ion:117 Resp: 37748
Ion Ratio Lower Upper
117 100
119 93.1 76.3 114.5



#34
Trichloroethene
Concen: 0.756 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. 0.003 min
Lab File: VU061001.D
Acq: 25 Sep 2024 13:55

Tgt Ion: 95 Resp: 7575
Ion Ratio Lower Upper
95 100
97 64.0 44.9 83.5
132 84.9 63.5 117.9
130 84.4 70.2 130.4

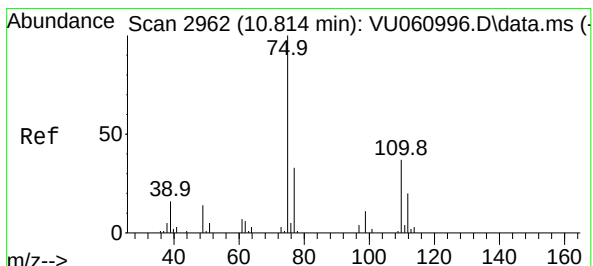
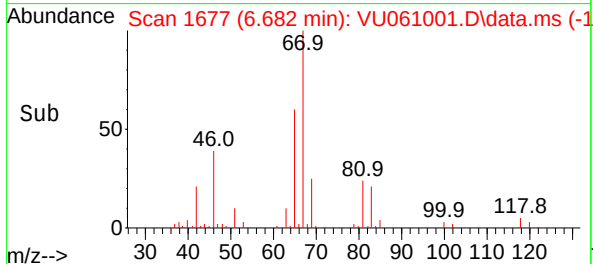
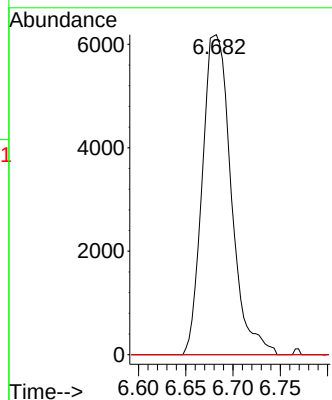
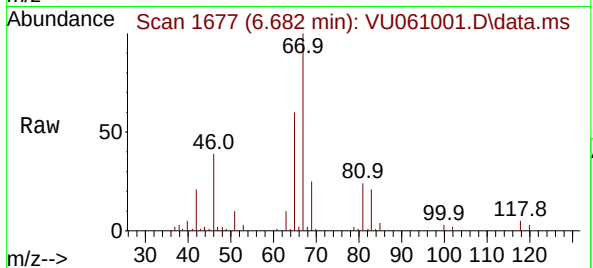




#35
Methylcyclohexane
Concen: 0.953 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.074 min
Lab File: VU061001.D
Acq: 25 Sep 2024 13:55

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 83 Resp: 13107
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 6.7 37.6 56.4#



#61
1,2,3-Trichloropropane
Concen: 1.231 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.991 min
Lab File: VU061001.D
Acq: 25 Sep 2024 13:55

Tgt Ion: 75 Resp: 6240
Ion Ratio Lower Upper
75 100
110 0.7 28.6 43.0#
77 35.9 26.3 39.5

