

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092024\
 Data File : VU060941.D
 Acq On : 20 Sep 2024 14:27
 Operator : MD/SY
 Sample : P3987-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 21 01:41:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 21 01:39:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	121049	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	128444	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	53542	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	50276	4.618	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.400%
7) Chloroethane-d5	1.911	69	38886	5.016	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.400%
11) 1,1-Dichloroethene-d2	2.563	65	18021	4.670	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.400%
20) 2-Butanone-d5	4.637	46	69665	39.857	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.720%
24) Chloroform-d	5.055	84	78498	4.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.695	65	38451	4.833	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
32) Benzene-d6	5.721	84	149895	4.354	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
36) 1,2-Dichloropropane-d6	6.682	67	50255	4.718	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.891	98	128340	4.089	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.800%
43) trans-1,3-Dichloroprop...	8.174	79	17055	4.448	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.000%
46) 2-Hexanone-d5	8.631	63	60886	40.257	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.520%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	38179	4.575	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	43366	4.820	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.400%

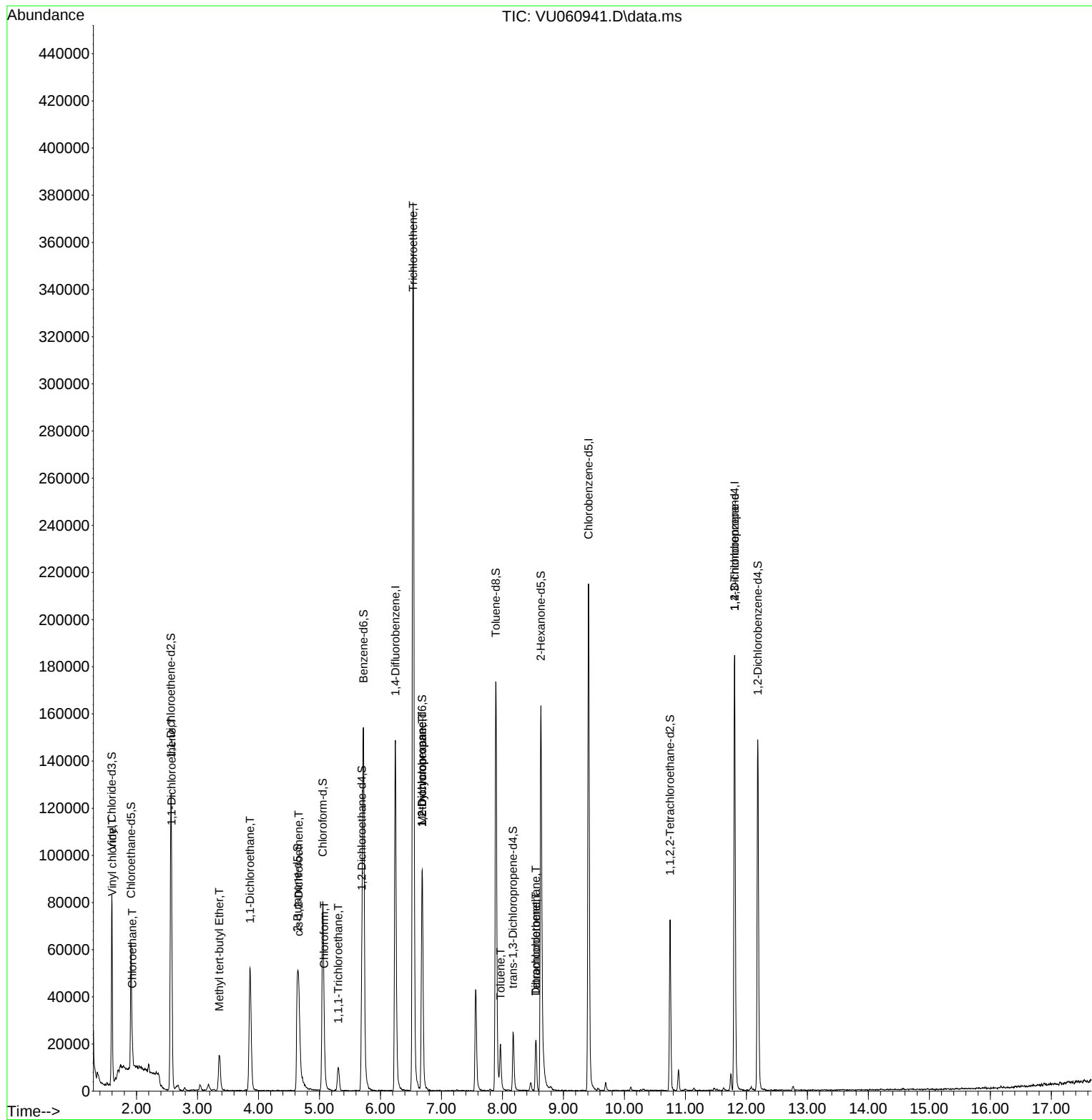
Target Compounds				Qvalue		
5) Vinyl chloride	1.602	62	7636	0.731	ug/L #	80
8) Chloroethane	1.930	64	6041	0.947	ug/L #	75
12) 1,1-Dichloroethene	2.576	96	18985	2.493	ug/L #	78
17) Methyl tert-butyl Ether	3.358	73	16634	0.967	ug/L	98
19) 1,1-Dichloroethane	3.862	63	61911	3.908	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	12568	1.439	ug/L	100
25) Chloroform	5.078	83	2914	0.176	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	8232	0.594	ug/L	97
34) Trichloroethene	6.534	95	137190	14.818	ug/L	98
35) Methylcyclohexane	6.685	83	11158	0.878	ug/L #	17
37) 1,2-Dichloropropane	6.682	63	4831	0.496	ug/L #	93
42) Toluene	7.968	91	15196	0.412	ug/L	95
47) Tetrachloroethene	8.550	164	5318	0.723	ug/L	98
49) Dibromochloromethane	8.550	129	5368	0.671	ug/L #	9
61) 1,2,3-Trichloropropane	11.807	75	6019	1.205	ug/L #	67

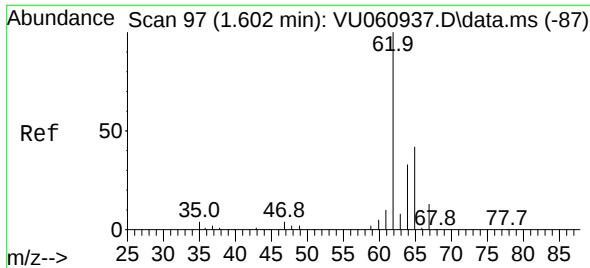
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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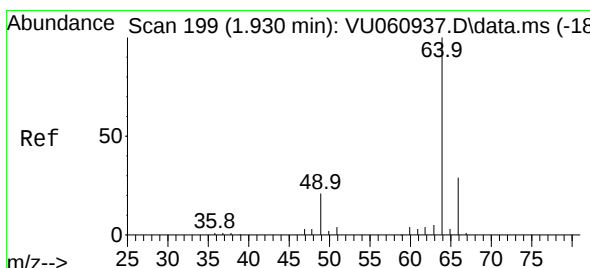
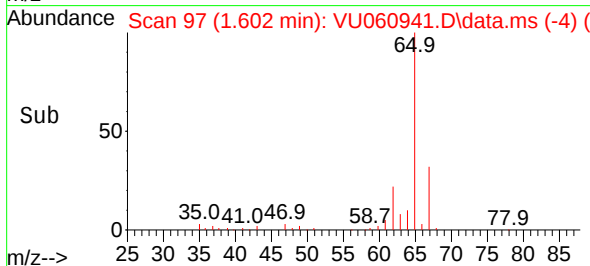
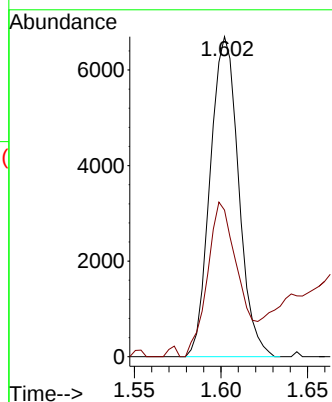
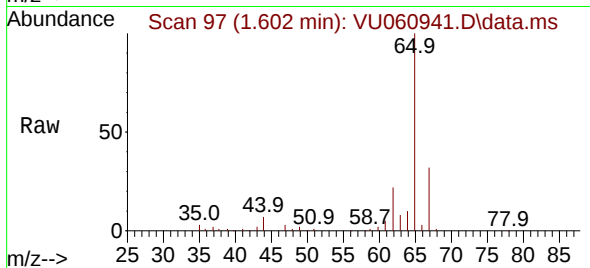




#5
 Vinyl chloride
 Concen: 0.731 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU060941.D
 Acq: 20 Sep 2024 14:27

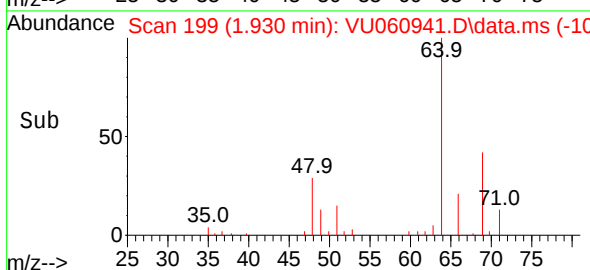
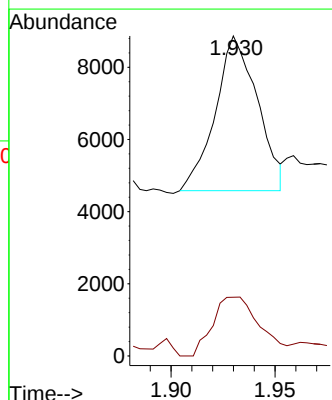
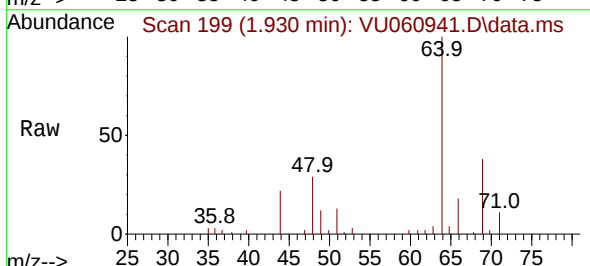
Instrument :
 MSVOA_U
 ClientSampleId :

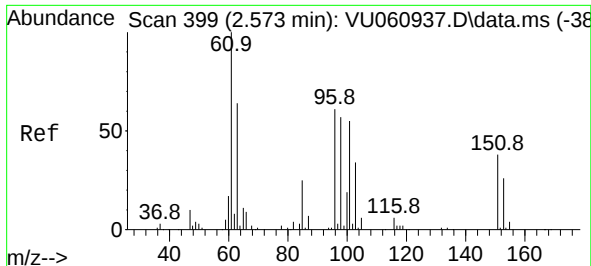
Tgt Ion: 62 Resp: 7636
 Ion Ratio Lower Upper
 62 100
 64 45.8 24.0 44.6#



#8
 Chloroethane
 Concen: 0.947 ug/L
 RT: 1.930 min Scan# 199
 Delta R.T. -0.000 min
 Lab File: VU060941.D
 Acq: 20 Sep 2024 14:27

Tgt Ion: 64 Resp: 6041
 Ion Ratio Lower Upper
 64 100
 66 17.7 22.3 41.3#





#12

1,1-Dichloroethene

Concen: 2.493 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU060941.D

Acq: 20 Sep 2024 14:27

Instrument :

MSVOA_U

ClientSampleId :

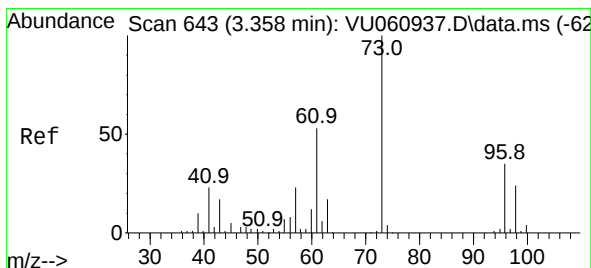
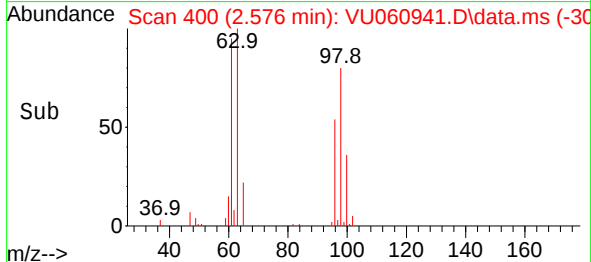
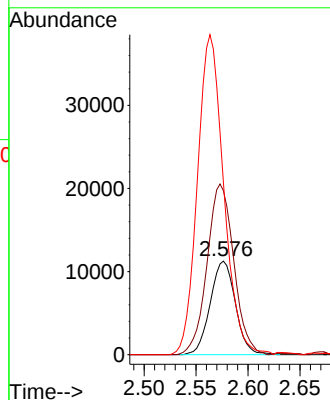
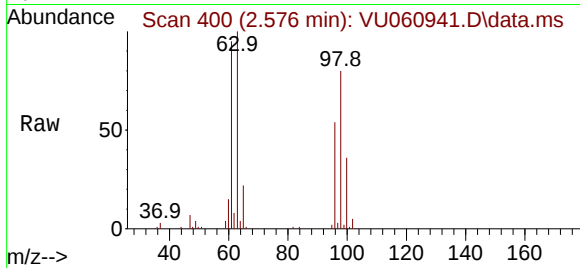
Tgt Ion: 96 Resp: 18985

Ion Ratio Lower Upper

96 100

61 175.3 120.7 224.1

63 184.1 90.0 167.2#



#17

Methyl tert-butyl Ether

Concen: 0.967 ug/L

RT: 3.358 min Scan# 643

Delta R.T. -0.000 min

Lab File: VU060941.D

Acq: 20 Sep 2024 14:27

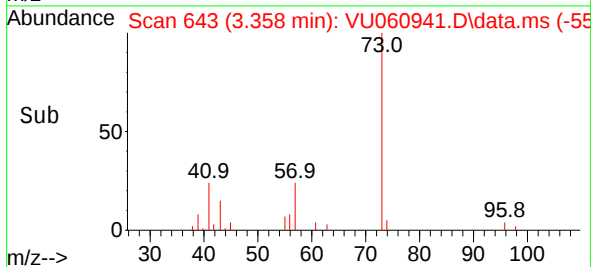
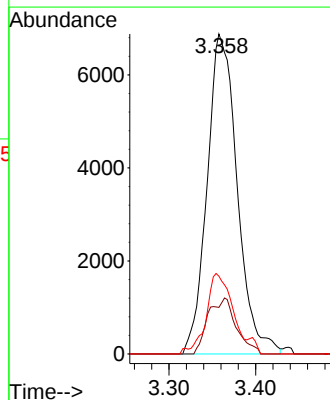
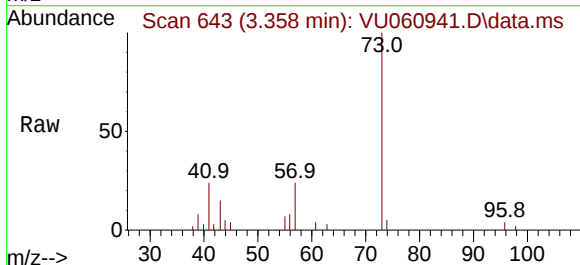
Tgt Ion: 73 Resp: 16634

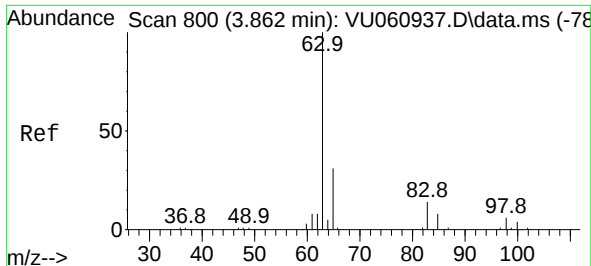
Ion Ratio Lower Upper

73 100

43 16.4 13.8 20.8

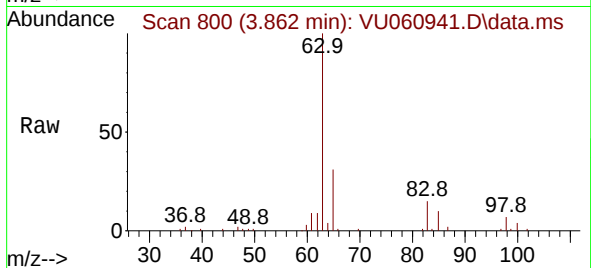
57 21.8 18.0 27.0



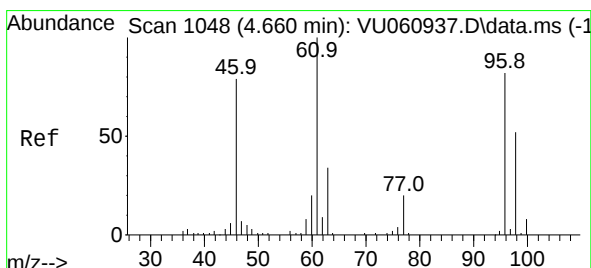
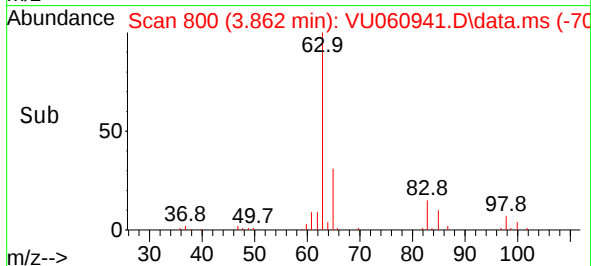
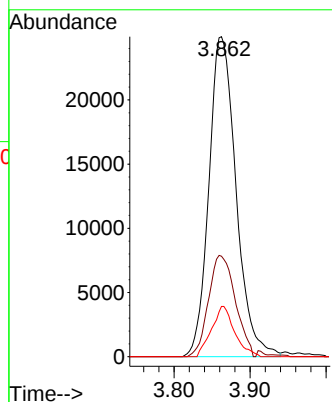


#19
1,1-Dichloroethane
Concen: 3.908 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.000 min
Lab File: VU060941.D
Acq: 20 Sep 2024 14:27

Instrument :
MSVOA_U
ClientSampleId :

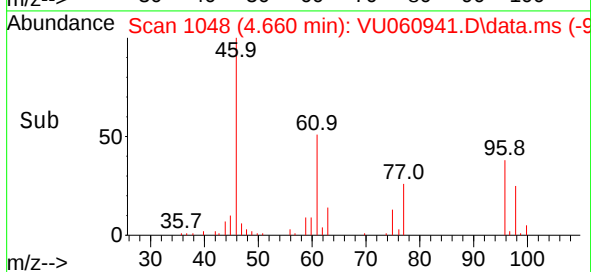
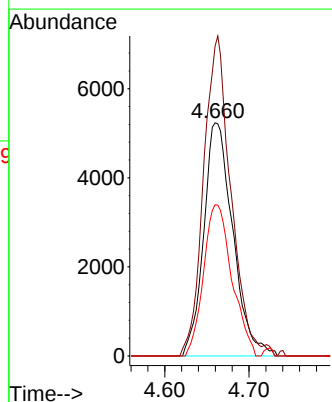
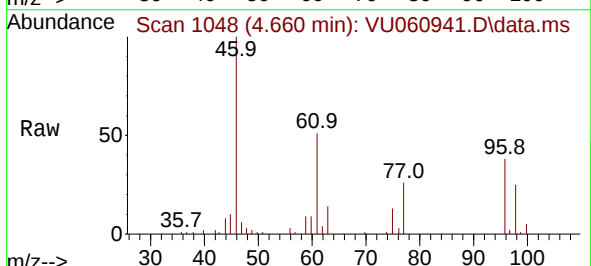


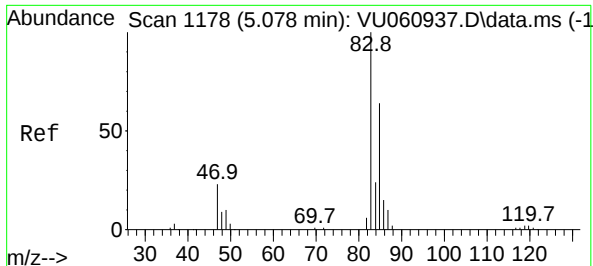
Tgt Ion: 63 Resp: 61911
Ion Ratio Lower Upper
63 100
65 32.2 23.0 42.8
83 15.7 9.0 16.6



#22
cis-1,2-Dichloroethene
Concen: 1.439 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU060941.D
Acq: 20 Sep 2024 14:27

Tgt Ion: 96 Resp: 12568
Ion Ratio Lower Upper
96 100
61 127.6 89.7 166.5
98 64.2 45.1 83.9





#25

Chloroform

Concen: 0.176 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU060941.D

Acq: 20 Sep 2024 14:27

Instrument :

MSVOA_U

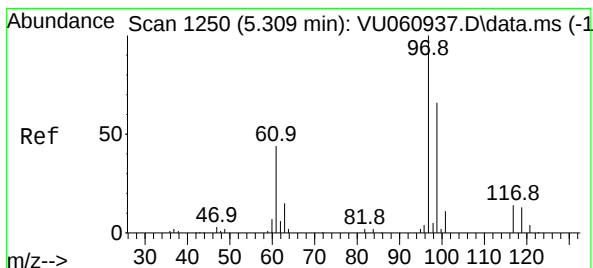
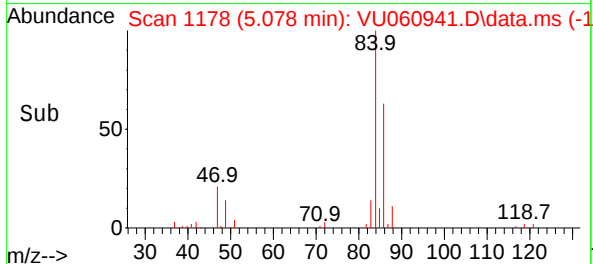
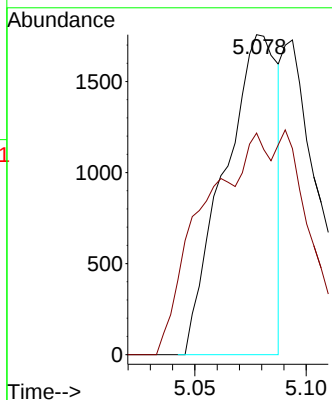
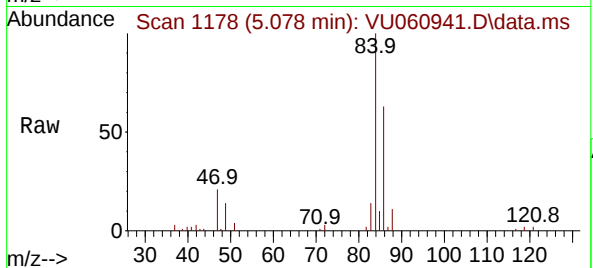
ClientSampleId :

Tgt Ion: 83 Resp: 2914

Ion Ratio Lower Upper

83 100

85 69.3 46.8 86.8



#29

1,1,1-Trichloroethane

Concen: 0.594 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU060941.D

Acq: 20 Sep 2024 14:27

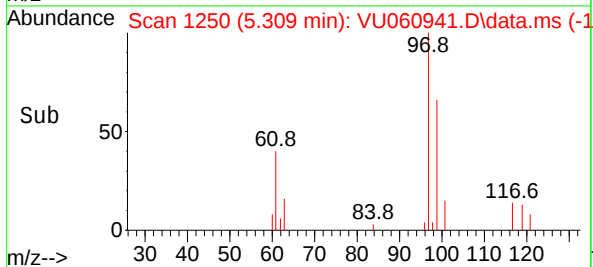
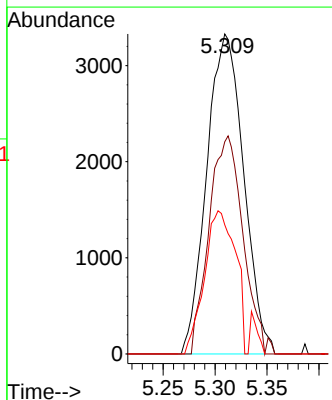
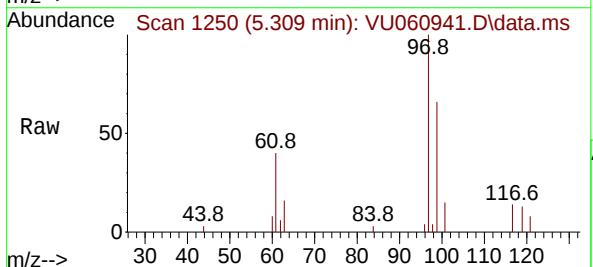
Tgt Ion: 97 Resp: 8232

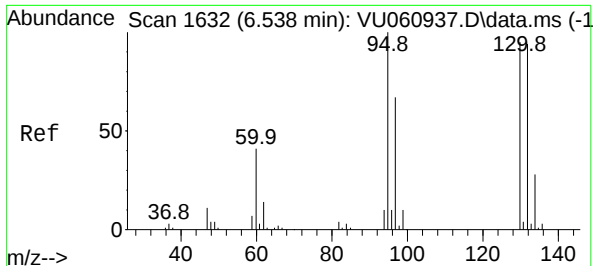
Ion Ratio Lower Upper

97 100

99 63.0 50.5 75.7

61 37.6 34.4 51.6





#34

Trichloroethene

Concen: 14.818 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU060941.D

Acq: 20 Sep 2024 14:27

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 137190

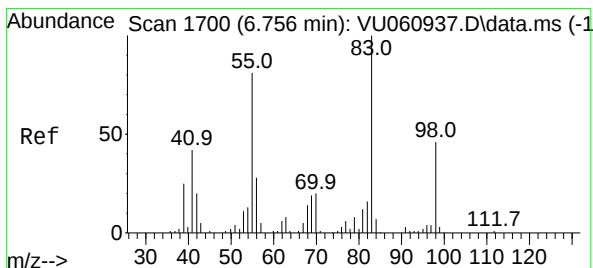
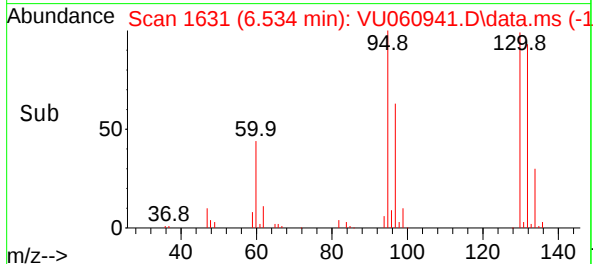
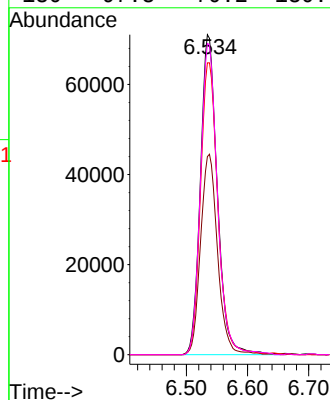
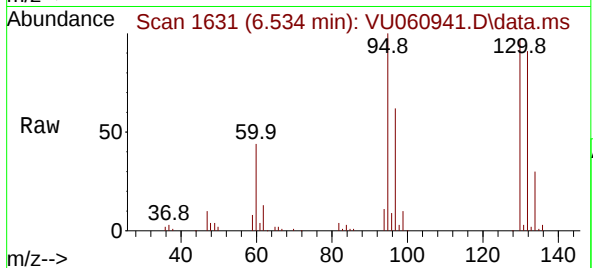
Ion Ratio Lower Upper

95 100

97 61.9 44.9 83.5

132 91.2 63.5 117.9

130 97.3 70.2 130.4



#35

Methylcyclohexane

Concen: 0.878 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.071 min

Lab File: VU060941.D

Acq: 20 Sep 2024 14:27

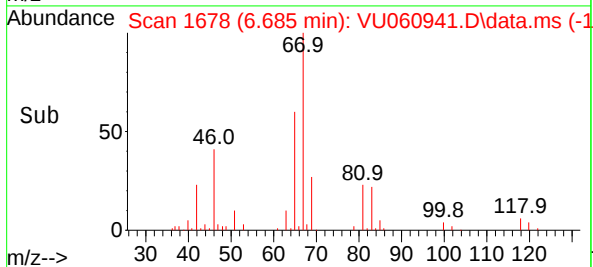
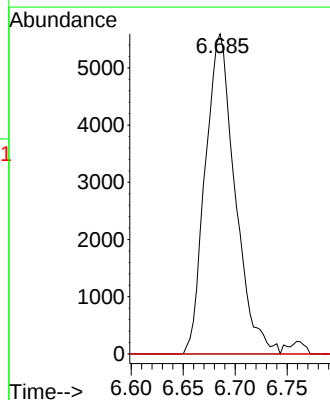
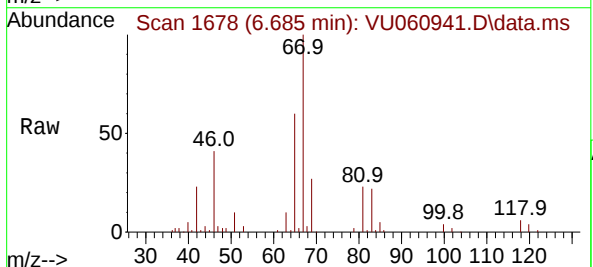
Tgt Ion: 83 Resp: 11158

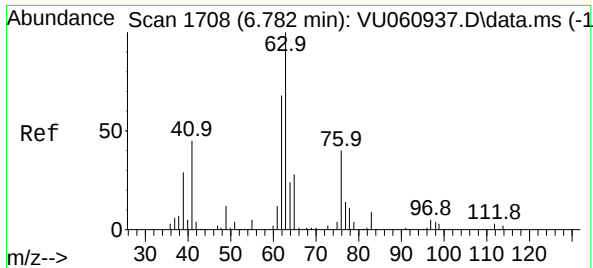
Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

98 0.0 37.6 56.4#

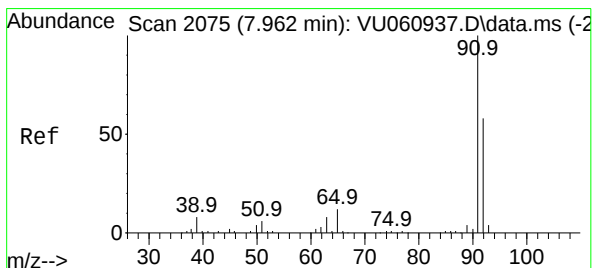
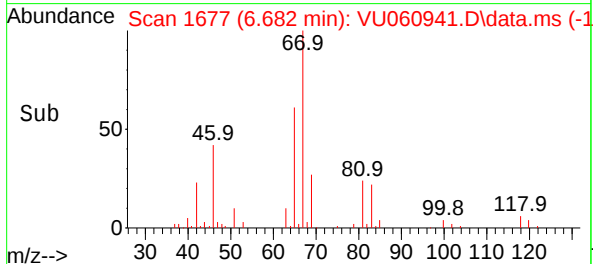
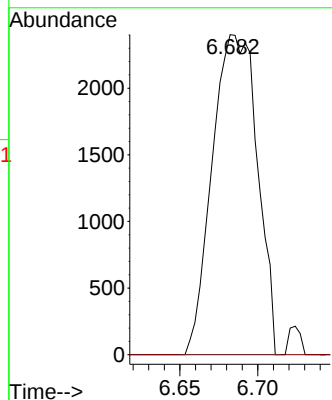
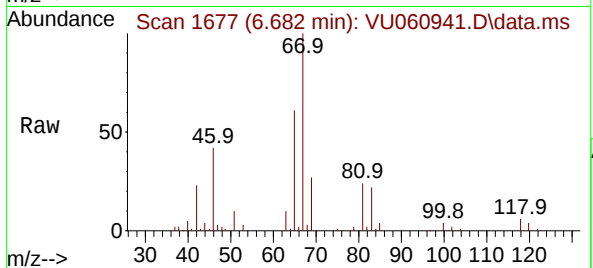




#37
1,2-Dichloropropane
Concen: 0.496 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU060941.D
Acq: 20 Sep 2024 14:27

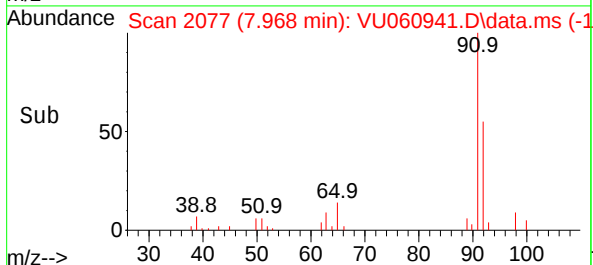
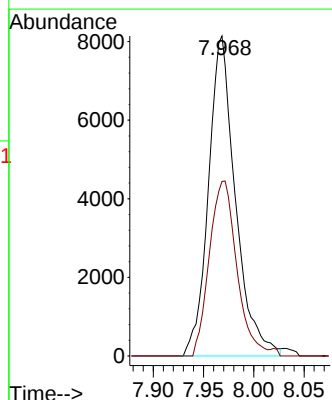
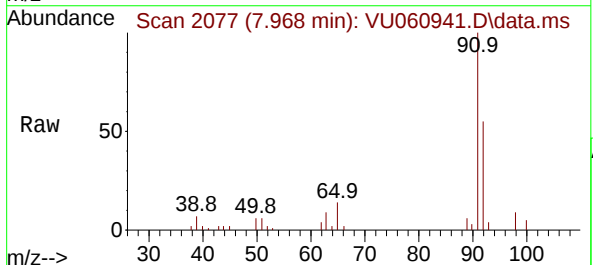
Instrument :
MSVOA_U
ClientSampleId :

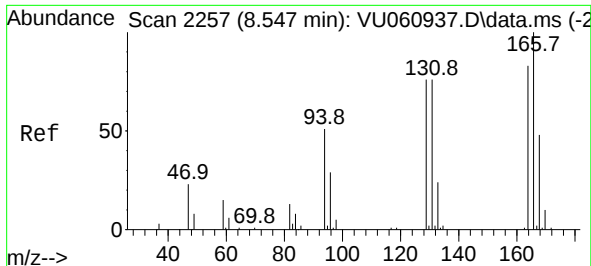
Tgt Ion: 63 Resp: 4831
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#



#42
Toluene
Concen: 0.412 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.006 min
Lab File: VU060941.D
Acq: 20 Sep 2024 14:27

Tgt Ion: 91 Resp: 15196
Ion Ratio Lower Upper
91 100
92 54.5 40.5 75.3





#47

Tetrachloroethene

Concen: 0.723 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU060941.D

Acq: 20 Sep 2024 14:27

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 5318

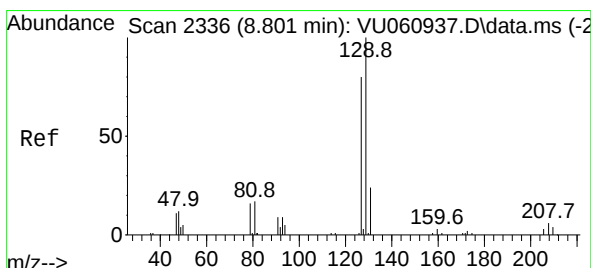
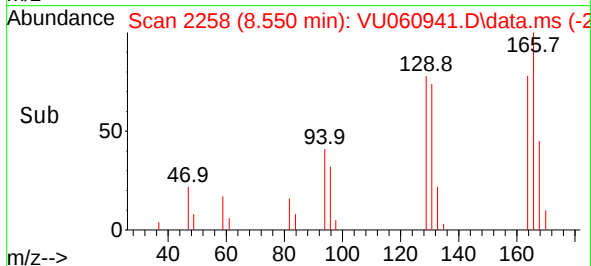
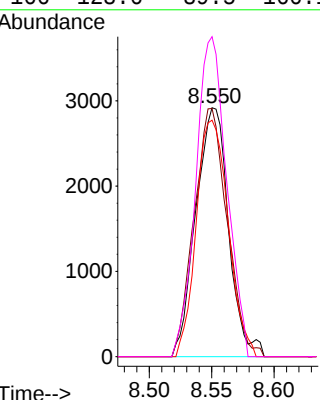
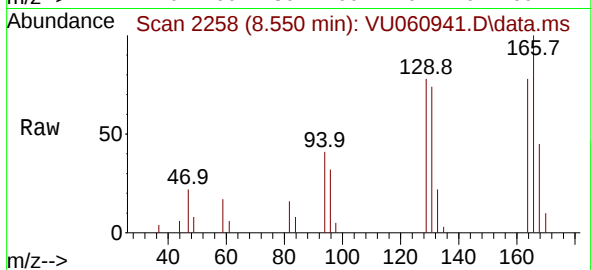
Ion Ratio Lower Upper

164 100

129 99.7 67.3 124.9

131 95.0 65.4 121.4

166 128.6 89.5 166.1



#49

Dibromochloromethane

Concen: 0.671 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.251 min

Lab File: VU060941.D

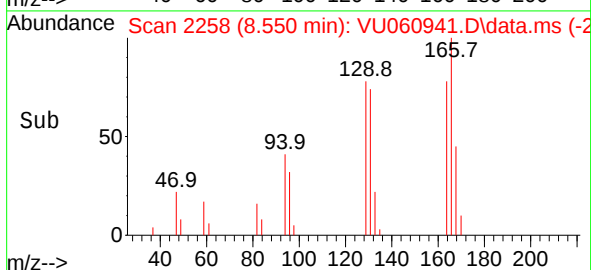
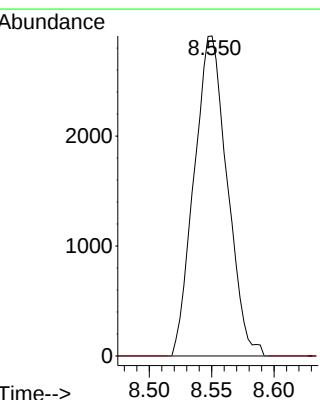
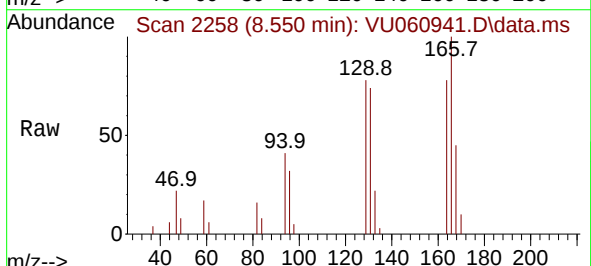
Acq: 20 Sep 2024 14:27

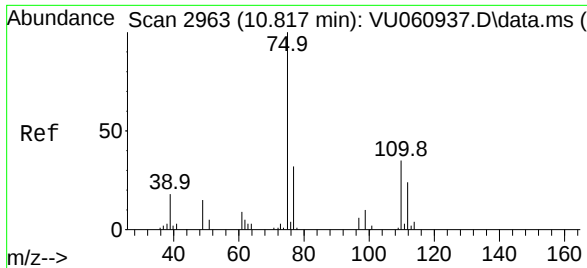
Tgt Ion:129 Resp: 5368

Ion Ratio Lower Upper

129 100

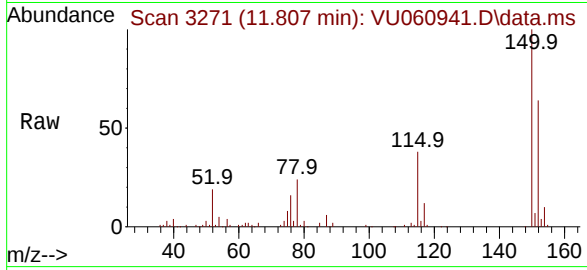
127 0.0 56.1 104.1#





#61
1,2,3-Trichloropropane
Concen: 1.205 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU060941.D
Acq: 20 Sep 2024 14:27

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	75	Resp:	6019
Ion	Ratio	Lower	Upper
75	100		
110	0.0	28.6	43.0#
77	31.9	26.3	39.5

