

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072924\
 Data File : VU060258.D
 Acq On : 29 Jul 2024 18:02
 Operator : MD/SY
 Sample : P3344-01DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 30 04:24:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jul 30 04:21:24 2024
 Response via : Initial Calibration

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

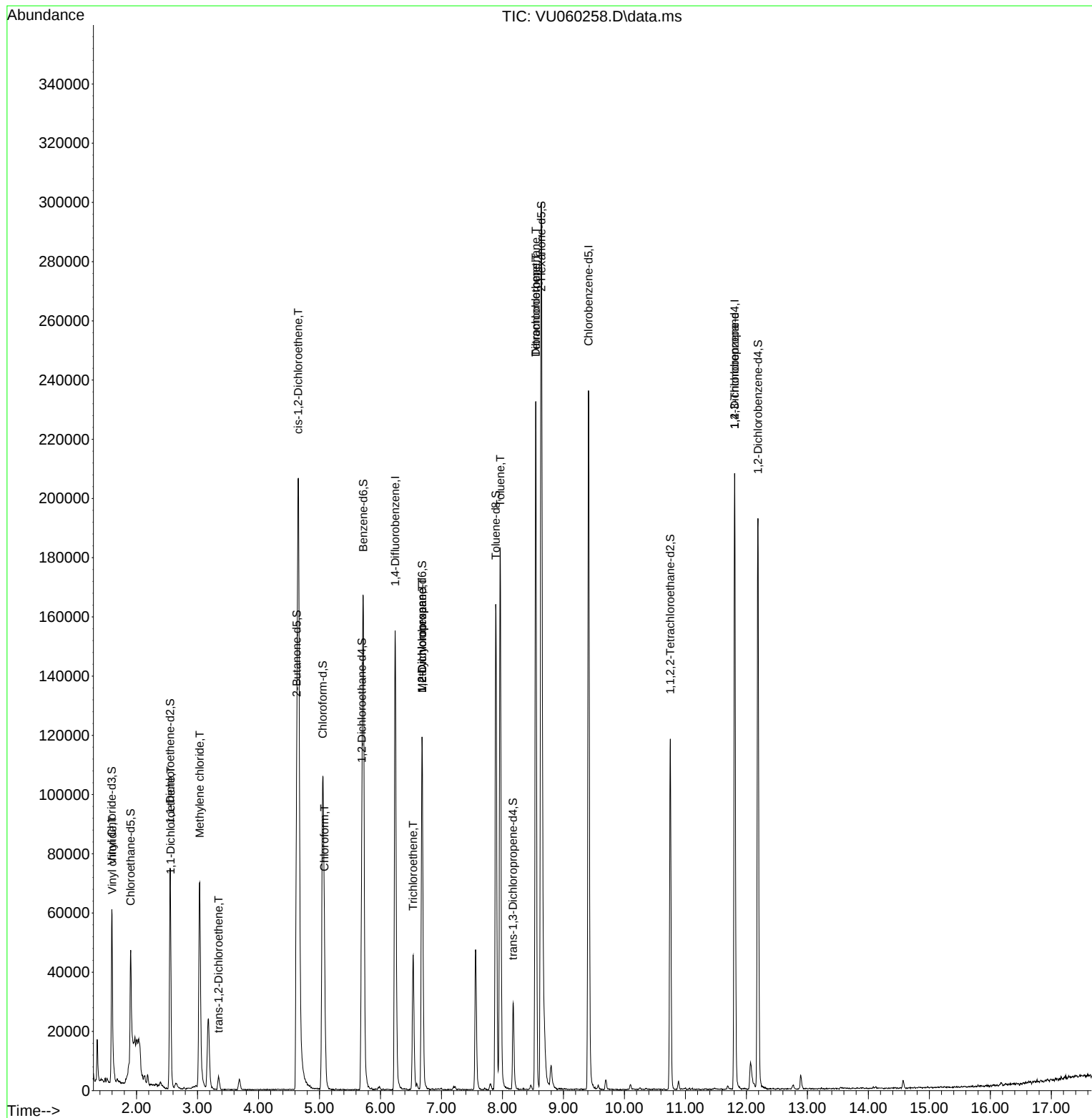
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	132675	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	141604	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	58722	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	34763	3.766	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.400%
7) Chloroethane-d5	1.904	69	33456	3.901	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.000%
11) 1,1-Dichloroethene-d2	2.550	65	14300	3.968	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.400%
20) 2-Butanone-d5	4.628	46	169353	78.471	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	156.940%#
24) Chloroform-d	5.052	84	94060	4.848	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	5.695	65	49637	5.495	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.800%
32) Benzene-d6	5.718	84	160951	4.242	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.800%
36) 1,2-Dichloropropane-d6	6.682	67	63108	5.220	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.400%
41) Toluene-d8	7.891	98	117166	3.418	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.400%#
43) trans-1,3-Dichloroprop...	8.174	79	18524	4.501	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.637	63	122290	66.966	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	133.940%#
56) 1,1,2,2-Tetrachloroeth...	10.753	84	64285	5.975	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	55741	5.259	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	15690	1.155	ug/L	94
12) 1,1-Dichloroethene	2.560	96	2226	0.220	ug/L #	1
16) Methylene chloride	3.036	84	40131	3.232	ug/L	90
18) trans-1,2-Dichloroethene	3.348	96	1855	0.176	ug/L	79
22) cis-1,2-Dichloroethene	4.653	96	88669	7.515	ug/L	89
25) Chloroform	5.081	83	39478	1.795	ug/L	98
34) Trichloroethene	6.537	95	16283	1.312	ug/L	95
35) Methylcyclohexane	6.682	83	14222	0.874	ug/L #	23
37) 1,2-Dichloropropane	6.682	63	6082	0.481	ug/L #	88
42) Toluene	7.965	91	143802	2.889	ug/L	97
47) Tetrachloroethene	8.547	164	51834	5.053	ug/L	93
49) Dibromochloromethane	8.547	129	51351	4.807	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	6757	1.091	ug/L #	66

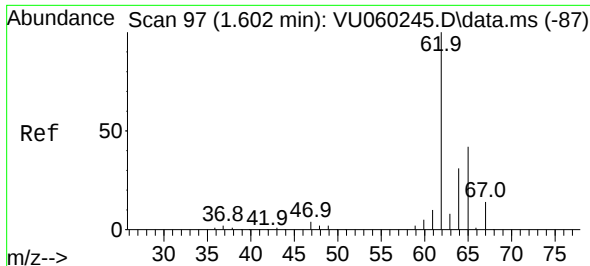
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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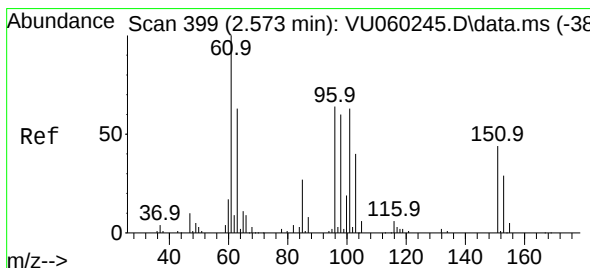
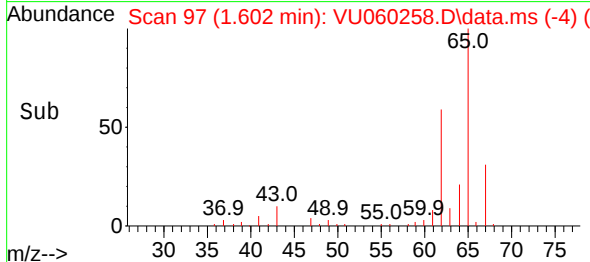
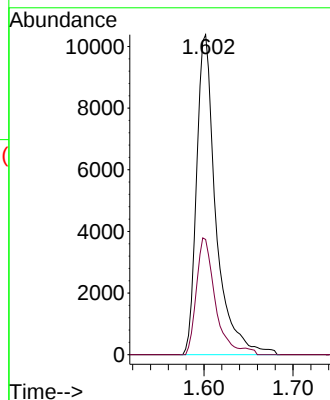
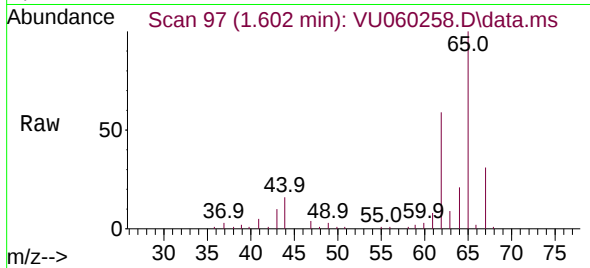




#5
 Vinyl chloride
 Concen: 1.155 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU060258.D
 Acq: 29 Jul 2024 18:02

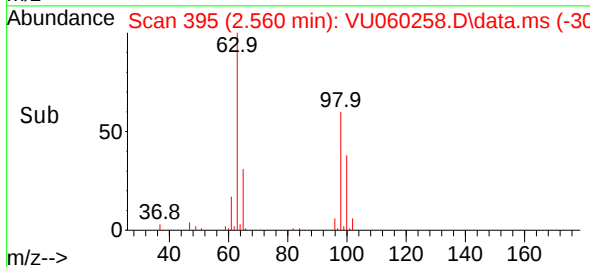
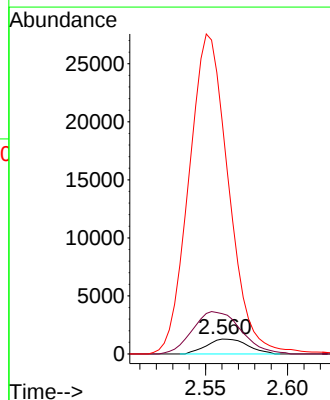
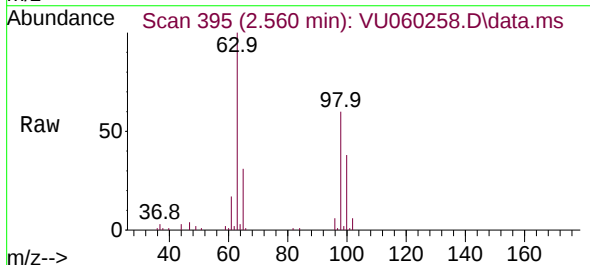
Instrument :
 MSVOA_U
 ClientSampleId :

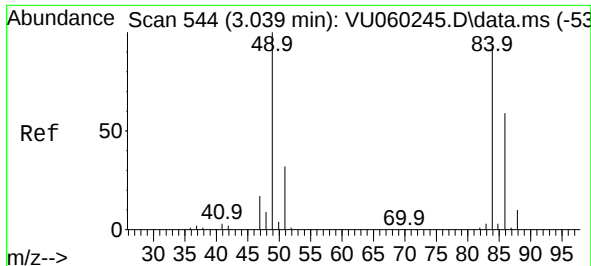
Tgt Ion: 62 Resp: 15690
 Ion Ratio Lower Upper
 62 100
 64 36.0 22.8 42.4



#12
 1,1-Dichloroethene
 Concen: 0.220 ug/L
 RT: 2.560 min Scan# 395
 Delta R.T. -0.013 min
 Lab File: VU060258.D
 Acq: 29 Jul 2024 18:02

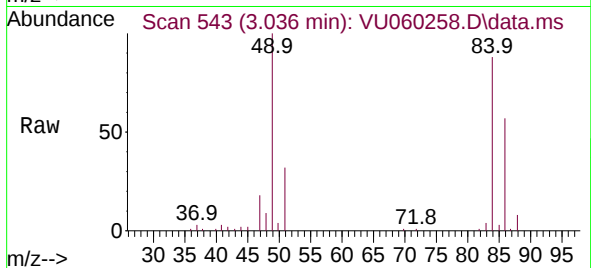
Tgt Ion: 96 Resp: 2226
 Ion Ratio Lower Upper
 96 100
 61 270.6 107.0 198.6#
 63 1561.4 76.4 142.0#



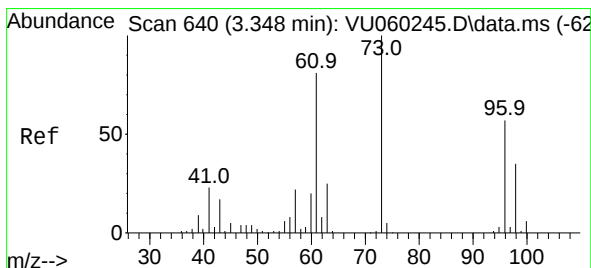
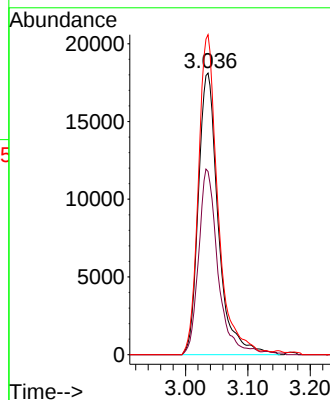
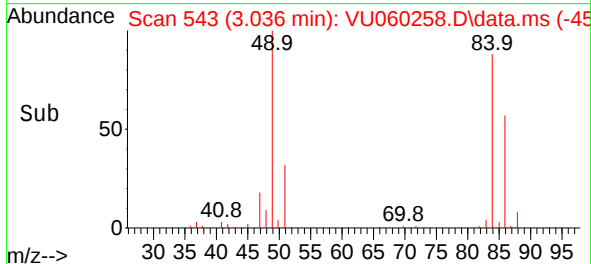


#16
Methylene chloride
Concen: 3.232 ug/L
RT: 3.036 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU060258.D
Acq: 29 Jul 2024 18:02

Instrument :
MSVOA_U
ClientSampleId :

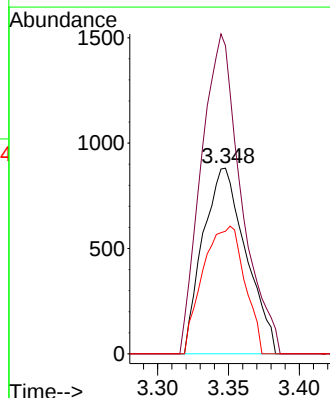
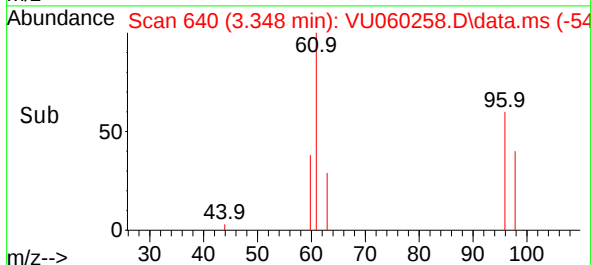
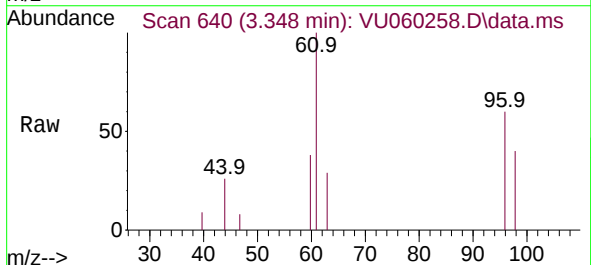


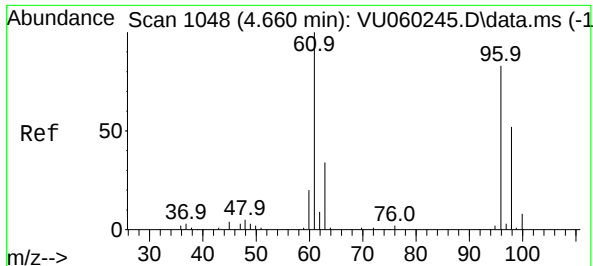
Tgt Ion: 84 Resp: 40131
Ion Ratio Lower Upper
84 100
86 65.1 44.4 82.5
49 118.4 72.0 133.6



#18
trans-1,2-Dichloroethene
Concen: 0.176 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU060258.D
Acq: 29 Jul 2024 18:02

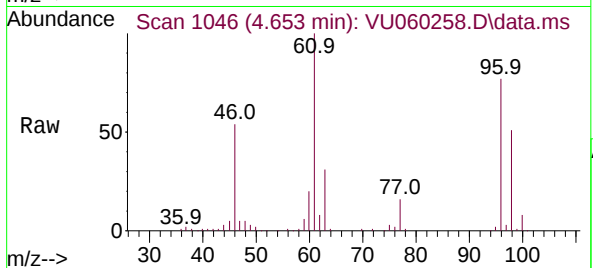
Tgt Ion: 96 Resp: 1855
Ion Ratio Lower Upper
96 100
61 165.9 91.6 170.0
98 66.1 47.7 88.5



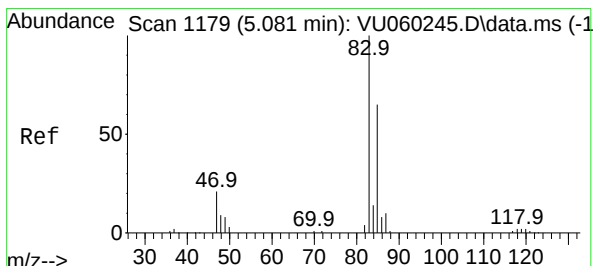
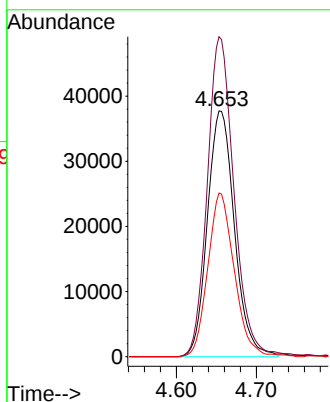
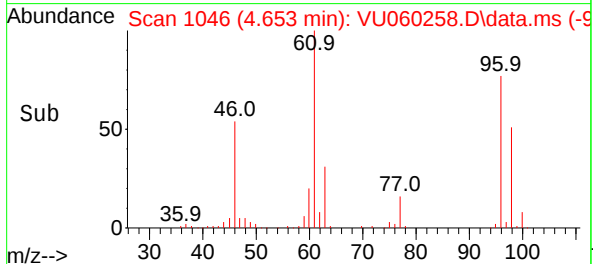


#22
cis-1,2-Dichloroethene
Concen: 7.515 ug/L
RT: 4.653 min Scan# 1104
Delta R.T. -0.006 min
Lab File: VU060258.D
Acq: 29 Jul 2024 18:02

Instrument :
MSVOA_U
ClientSampleId :

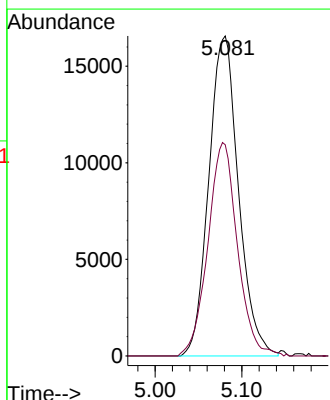
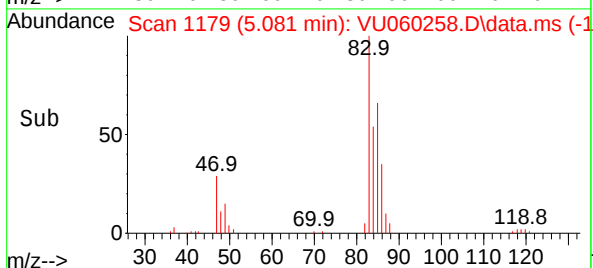
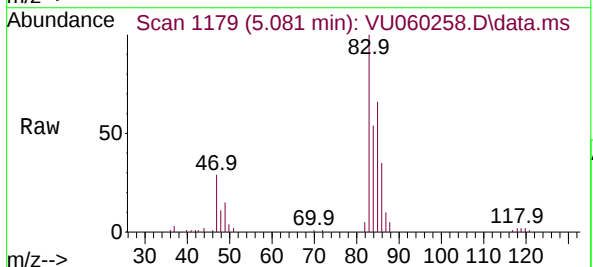


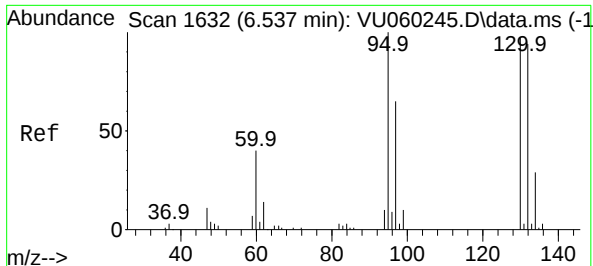
Tgt Ion: 96 Resp: 88669
Ion Ratio Lower Upper
96 100
61 130.2 80.2 148.9
98 66.6 44.7 83.1



#25
Chloroform
Concen: 1.795 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VU060258.D
Acq: 29 Jul 2024 18:02

Tgt Ion: 83 Resp: 39478
Ion Ratio Lower Upper
83 100
85 66.0 45.4 84.2





#34

Trichloroethene

Concen: 1.312 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

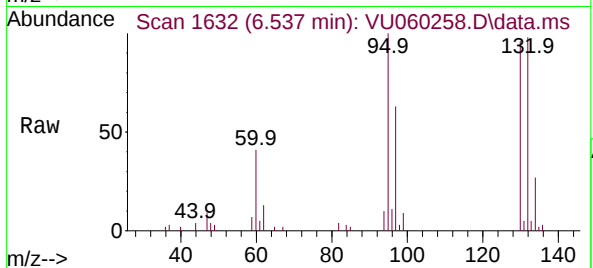
Lab File: VU060258.D

Acq: 29 Jul 2024 18:02

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 16283

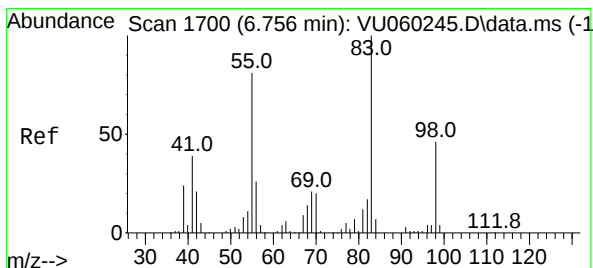
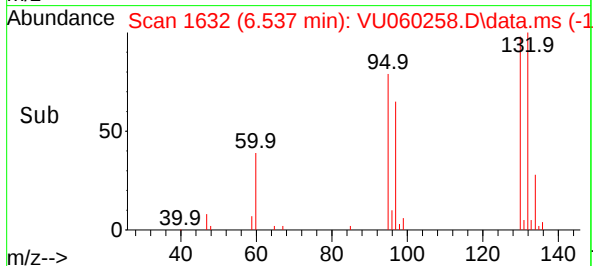
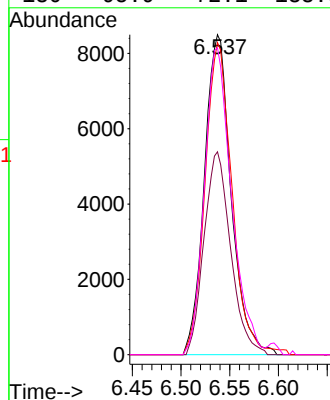
Ion Ratio Lower Upper

95 100

97 63.4 45.9 85.3

132 97.5 71.4 132.6

130 95.9 72.1 133.9



#35

Methylcyclohexane

Concen: 0.874 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.074 min

Lab File: VU060258.D

Acq: 29 Jul 2024 18:02

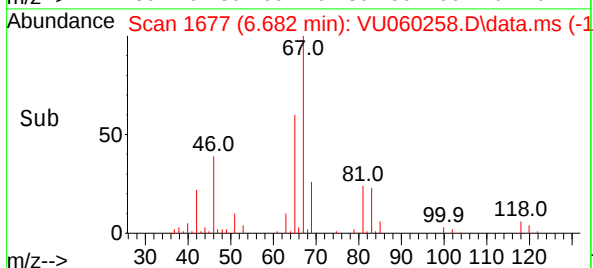
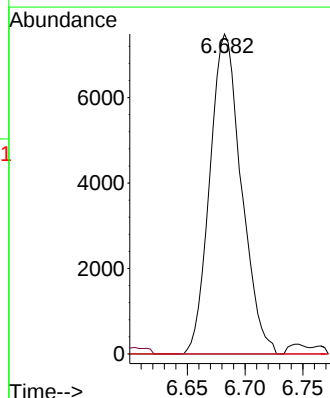
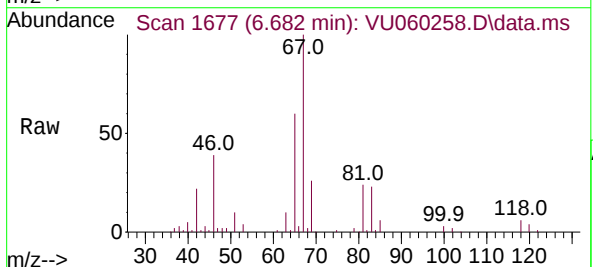
Tgt Ion: 83 Resp: 14222

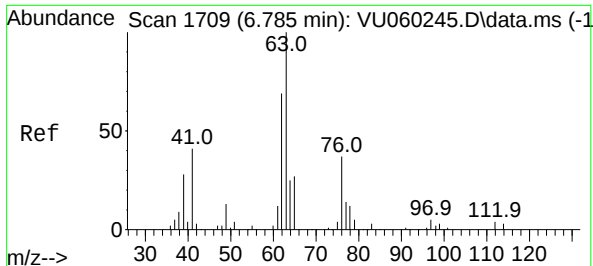
Ion Ratio Lower Upper

83 100

55 1.4 56.7 85.1#

98 3.1 36.6 55.0#





#37

1,2-Dichloropropane

Concen: 0.481 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU060258.D

Acq: 29 Jul 2024 18:02

Instrument :

MSVOA_U

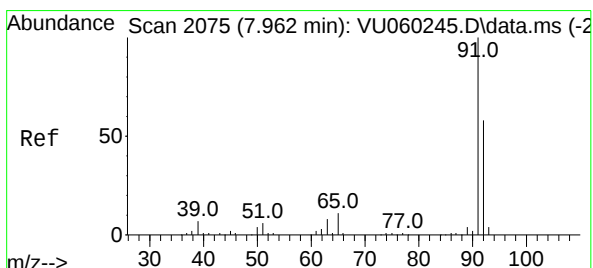
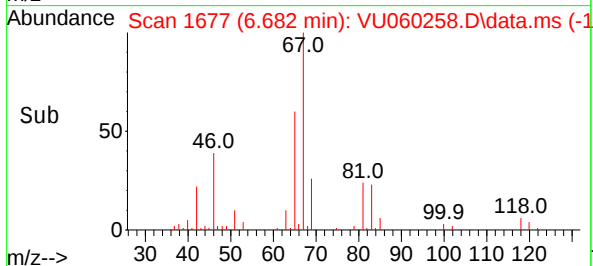
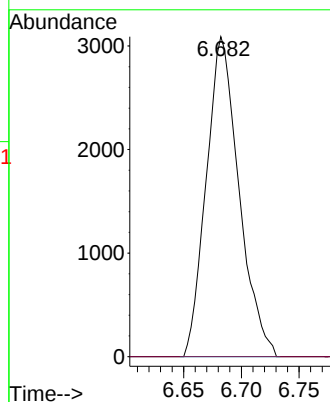
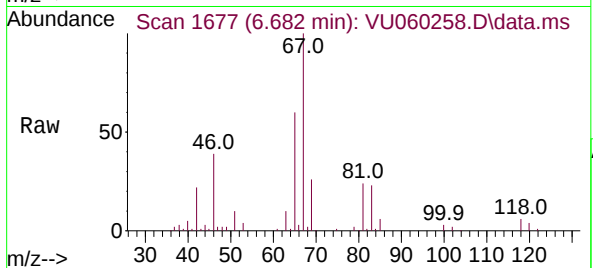
ClientSampleId :

Tgt Ion: 63 Resp: 6082

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#42

Toluene

Concen: 2.889 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU060258.D

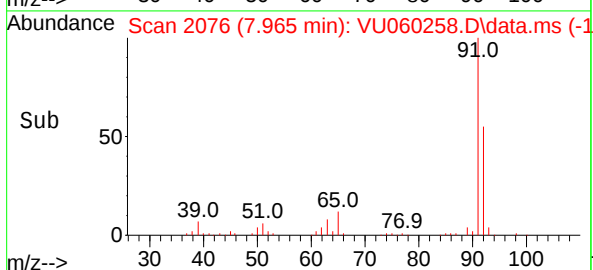
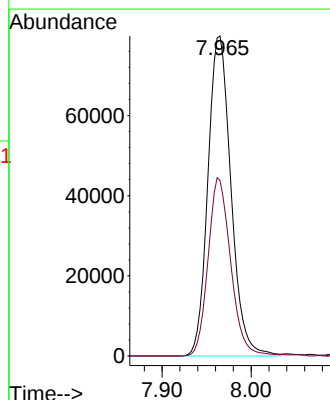
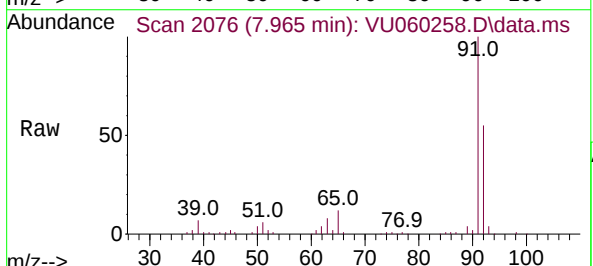
Acq: 29 Jul 2024 18:02

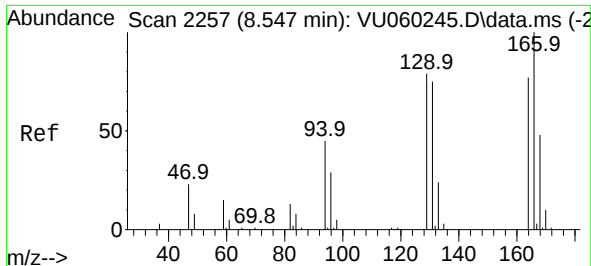
Tgt Ion: 91 Resp: 143802

Ion Ratio Lower Upper

91 100

92 54.8 39.8 73.8





#47

Tetrachloroethene

Concen: 5.053 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

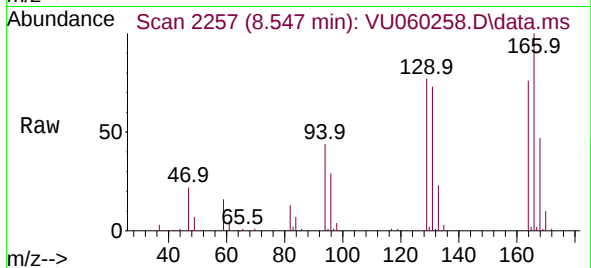
Lab File: VU060258.D

Acq: 29 Jul 2024 18:02

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 51834

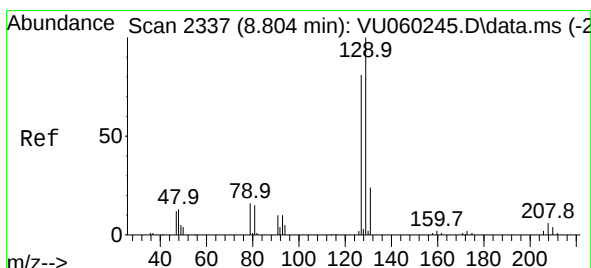
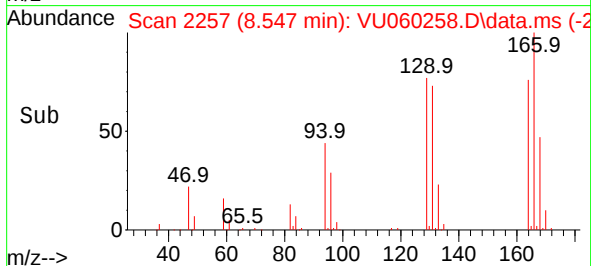
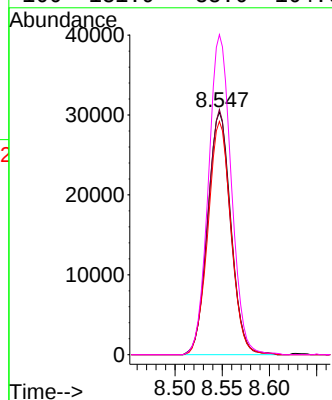
Ion Ratio Lower Upper

164 100

129 101.1 64.6 120.0

131 96.2 61.2 113.8

166 131.9 88.6 164.6



#49

Dibromochloromethane

Concen: 4.807 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.257 min

Lab File: VU060258.D

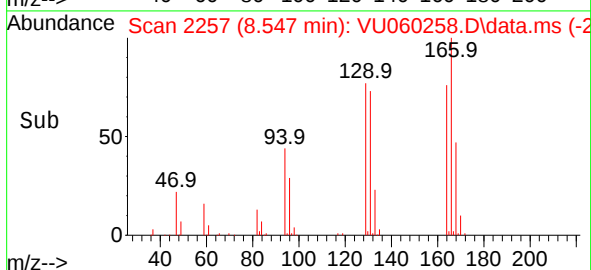
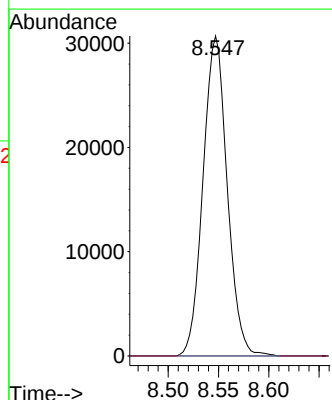
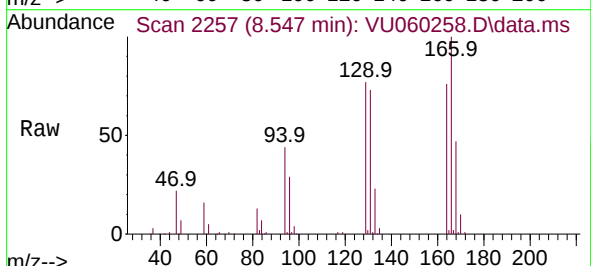
Acq: 29 Jul 2024 18:02

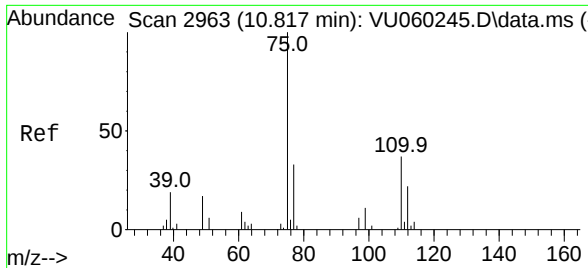
Tgt Ion:129 Resp: 51351

Ion Ratio Lower Upper

129 100

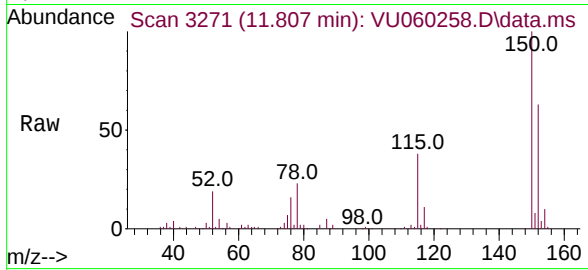
127 0.0 54.6 101.4#





#61
 1,2,3-Trichloropropane
 Concen: 1.091 ug/L
 RT: 11.807 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU060258.D
 Acq: 29 Jul 2024 18:02

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75	Resp:	6757
Ion	Ratio	Lower Upper
75	100	
110	1.1	30.8 46.2#
77	32.9	26.2 39.2

