

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040524\
 Data File : VU058410.D
 Acq On : 05 Apr 2024 11:17
 Operator : MD/SY
 Sample : P1925-17 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 05 23:34:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 05 23:33:02 2024
 Response via : Initial Calibration

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

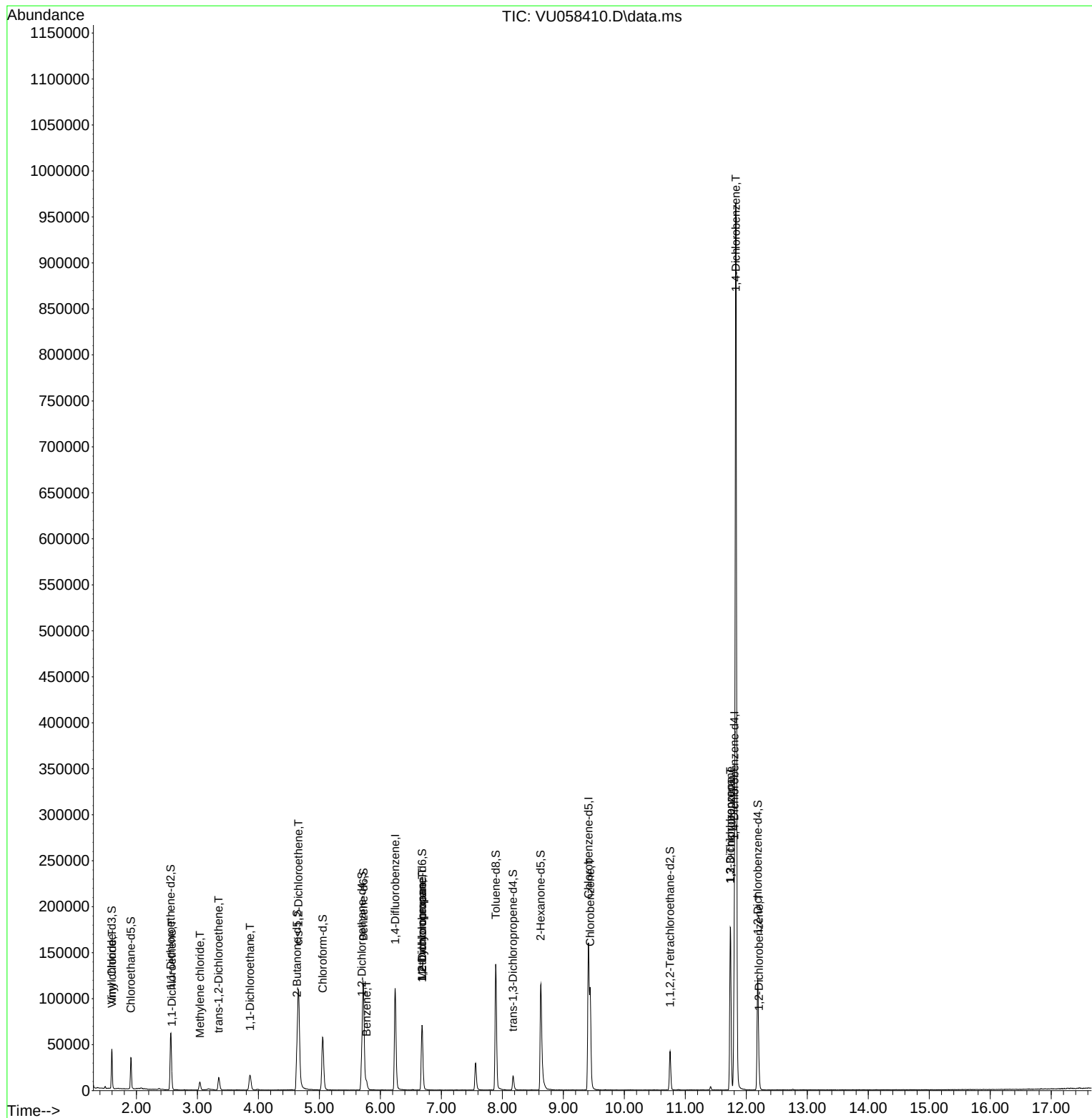
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	87651	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	84597	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	40506	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	25798	4.446	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.908	69	23502	4.660	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.560	65	12174	4.635	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.600%
20) 2-Butanone-d5	4.631	46	58795	48.077	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.160%
24) Chloroform-d	5.052	84	52839	4.561	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
26) 1,2-Dichloroethane-d4	5.695	65	26774	4.952	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	5.721	84	107571	4.723	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.682	67	34398	4.816	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.891	98	90827	4.497	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	8.174	79	9797	4.419	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.628	63	41054	44.894	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.780%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	21575	4.279	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	30477	4.467	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.400%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	4314	0.483	ug/L	99
12) 1,1-Dichloroethene	2.580	96	1071	0.172	ug/L #	1
16) Methylene chloride	3.039	84	4012	0.487	ug/L	89
18) trans-1,2-Dichloroethene	3.348	96	5544	0.852	ug/L	96
19) 1,1-Dichloroethane	3.862	63	20552	1.446	ug/L	96
22) cis-1,2-Dichloroethene	4.657	96	49273	6.739	ug/L	98
33) Benzene	5.772	78	8232	0.268	ug/L	100
35) Methylcyclohexane	6.682	83	7268	0.624	ug/L #	16
37) 1,2-Dichloropropane	6.686	63	3561	0.441	ug/L #	90
51) Chlorobenzene	9.441	112	53257	2.736	ug/L	98
61) 1,2,3-Trichloropropane	11.737	75	23329	5.645	ug/L #	52
64) 1,3-Dichlorobenzene	11.740	146	68434	4.751	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	362023	25.796	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	5206	0.397	ug/L	98

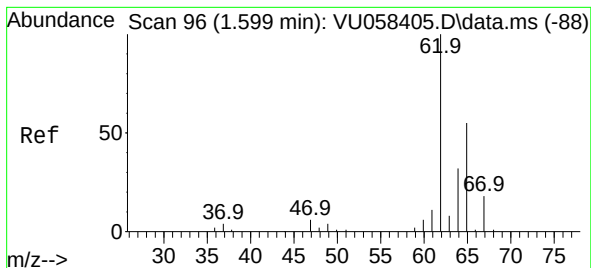
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.483 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.000 min

Lab File: VU058410.D

Acq: 05 Apr 2024 11:17

Instrument :

MSVOA_U

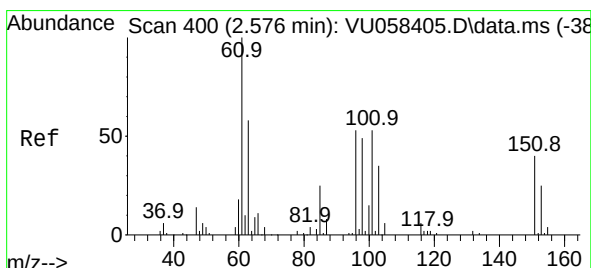
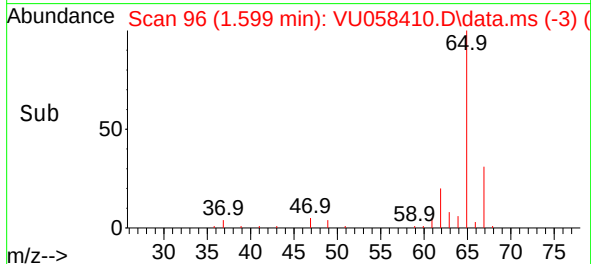
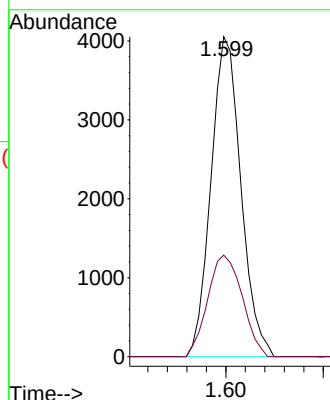
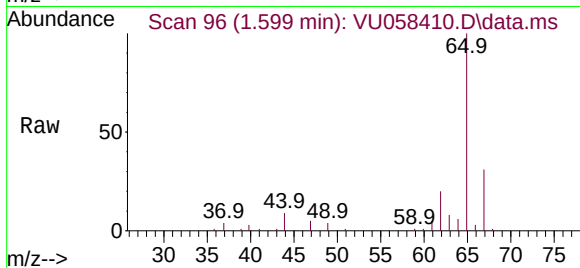
ClientSampleId :

Tgt Ion: 62 Resp: 4314

Ion Ratio Lower Upper

62 100

64 31.7 22.6 42.0



#12

1,1-Dichloroethene

Concen: 0.172 ug/L

RT: 2.580 min Scan# 401

Delta R.T. 0.003 min

Lab File: VU058410.D

Acq: 05 Apr 2024 11:17

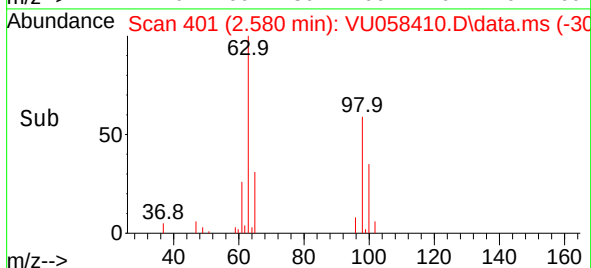
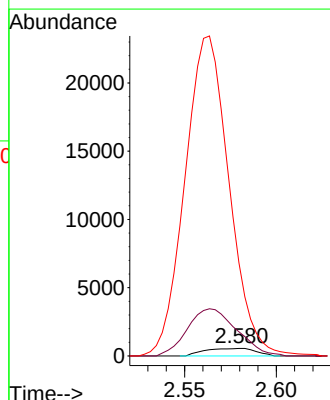
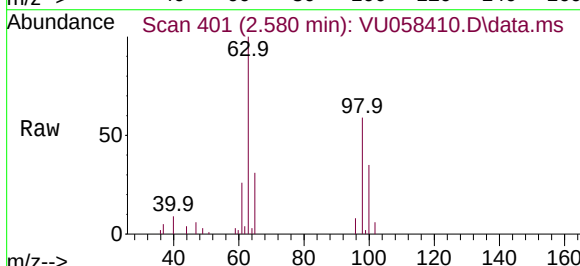
Tgt Ion: 96 Resp: 1071

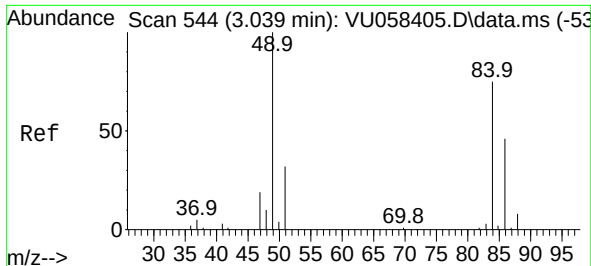
Ion Ratio Lower Upper

96 100

61 318.6 132.5 246.1#

63 1231.7 87.7 162.9#

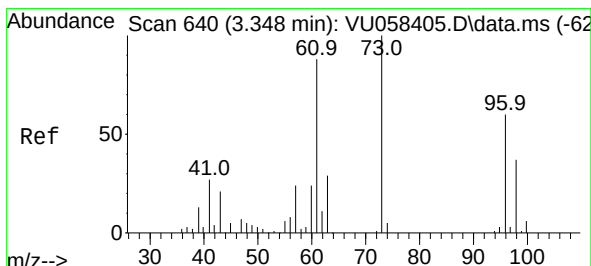
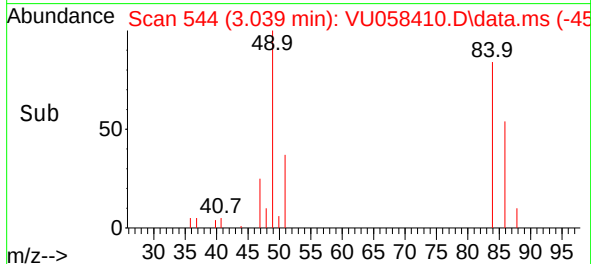
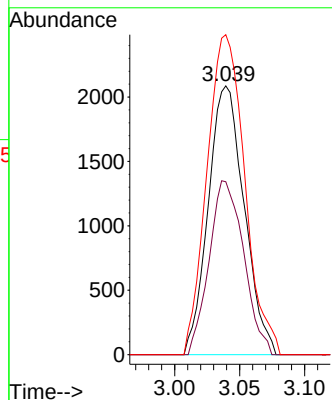
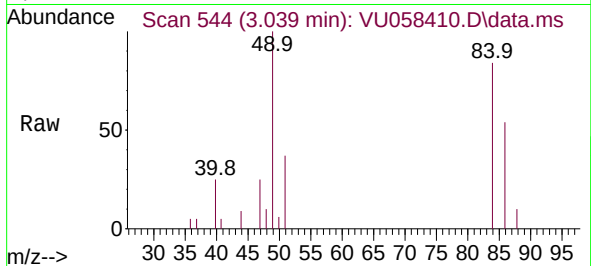




#16
Methylene chloride
Concen: 0.487 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU058410.D
Acq: 05 Apr 2024 11:17

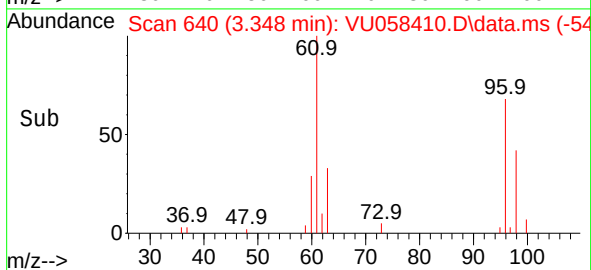
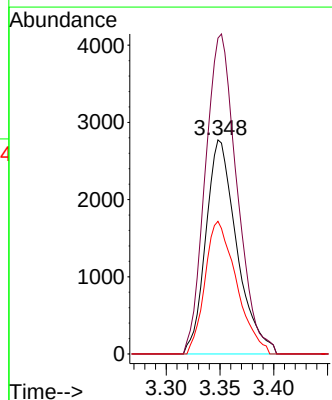
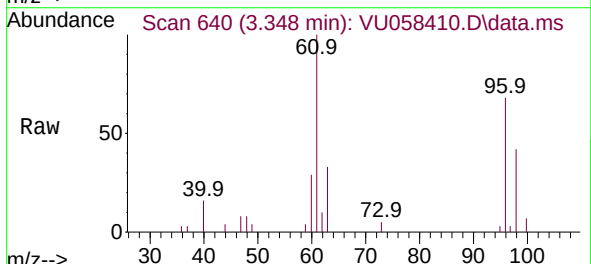
Instrument :
MSVOA_U
ClientSampleId :

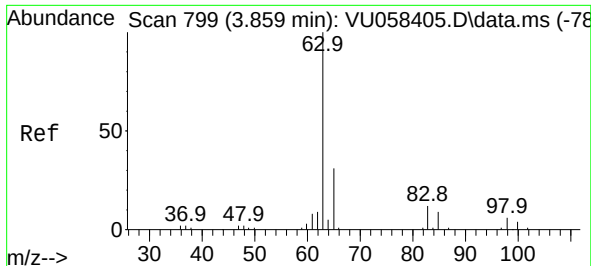
Tgt Ion: 84 Resp: 4012
Ion Ratio Lower Upper
84 100
86 64.4 44.3 82.3
49 119.0 96.0 178.2



#18
trans-1,2-Dichloroethene
Concen: 0.852 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU058410.D
Acq: 05 Apr 2024 11:17

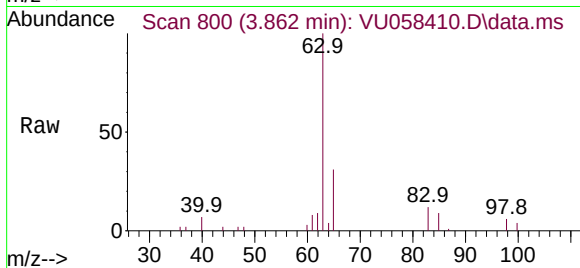
Tgt Ion: 96 Resp: 5544
Ion Ratio Lower Upper
96 100
61 147.5 107.6 199.8
98 61.9 45.1 83.7



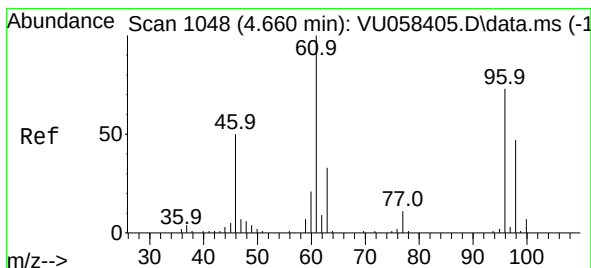
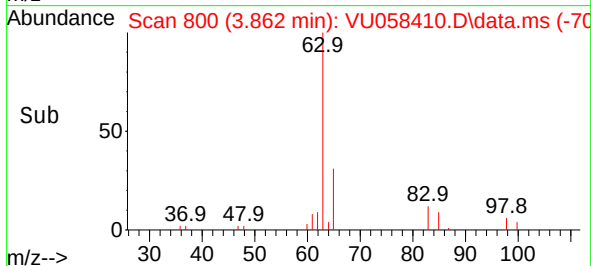
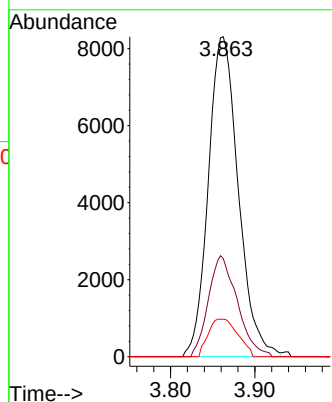


#19
1,1-Dichloroethane
Concen: 1.446 ug/L
RT: 3.862 min Scan# 80
Delta R.T. 0.003 min
Lab File: VU058410.D
Acq: 05 Apr 2024 11:17

Instrument :
MSVOA_U
ClientSampleId :

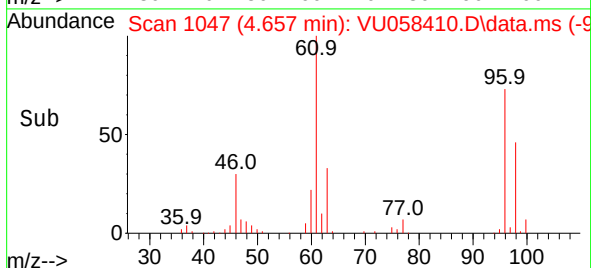
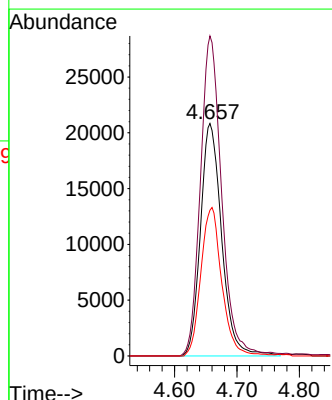
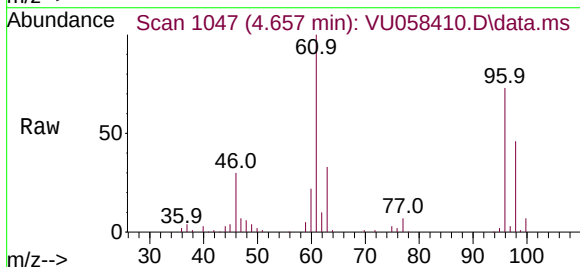


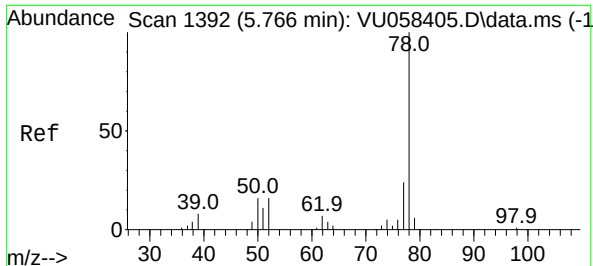
Tgt Ion: 63 Resp: 20552
Ion Ratio Lower Upper
63 100
65 30.7 22.9 42.5
83 11.7 9.6 17.8



#22
cis-1,2-Dichloroethene
Concen: 6.739 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU058410.D
Acq: 05 Apr 2024 11:17

Tgt Ion: 96 Resp: 49273
Ion Ratio Lower Upper
96 100
61 137.6 98.1 182.3
98 62.7 43.6 81.0





#33

Benzene

Concen: 0.268 ug/L

RT: 5.772 min Scan# 1677

Delta R.T. 0.007 min

Lab File: VU058410.D

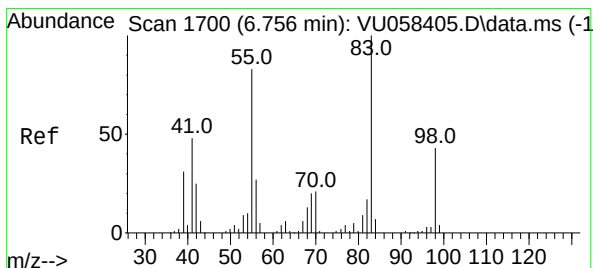
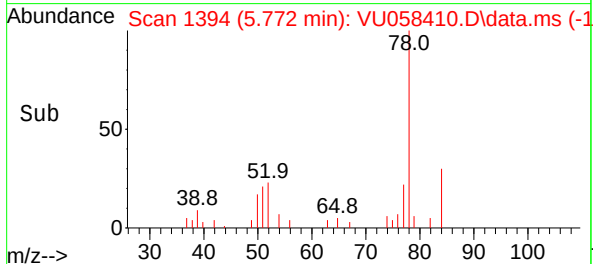
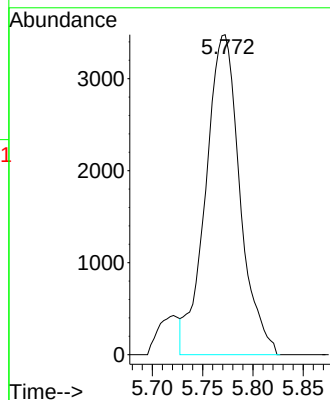
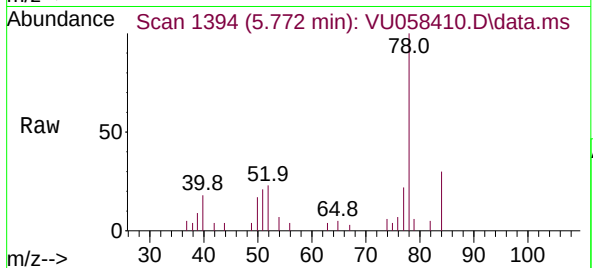
Acq: 05 Apr 2024 11:17

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 8232



#35

Methylcyclohexane

Concen: 0.624 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.074 min

Lab File: VU058410.D

Acq: 05 Apr 2024 11:17

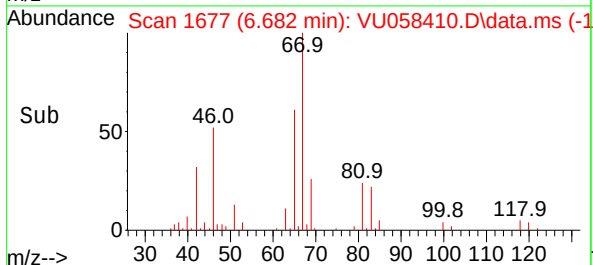
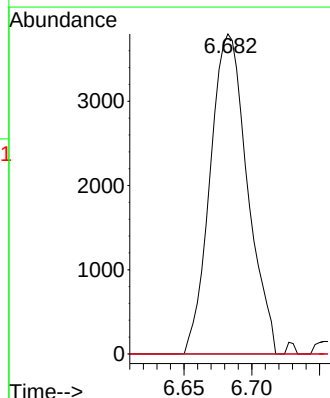
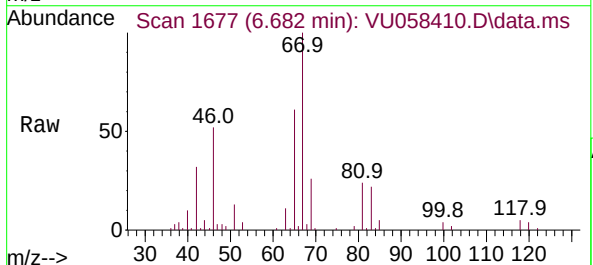
Tgt Ion: 83 Resp: 7268

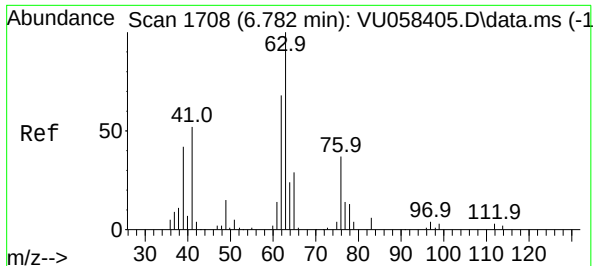
Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

98 0.0 34.6 52.0#

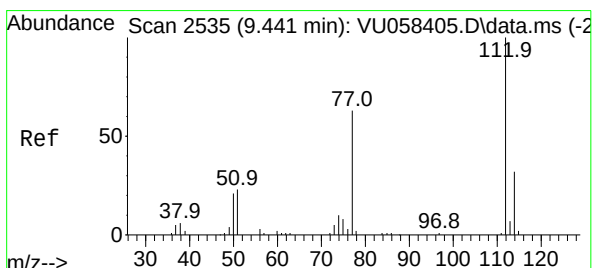
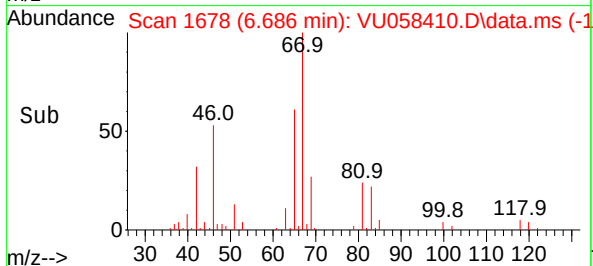
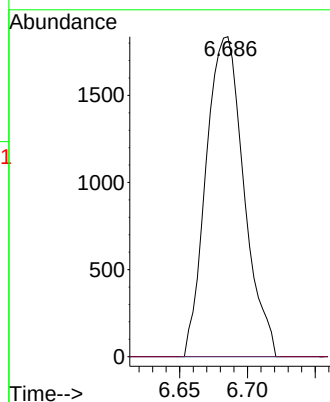
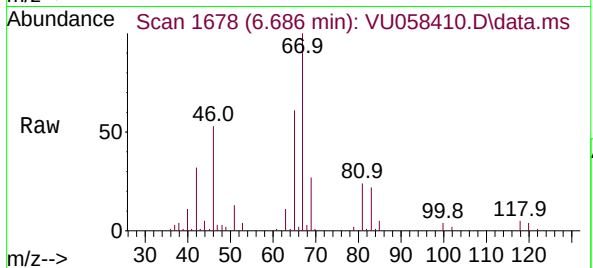




#37
1,2-Dichloropropane
Concen: 0.441 ug/L
RT: 6.686 min Scan# 1
Delta R.T. -0.096 min
Lab File: VU058410.D
Acq: 05 Apr 2024 11:17

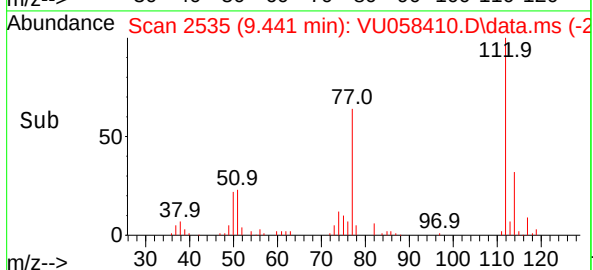
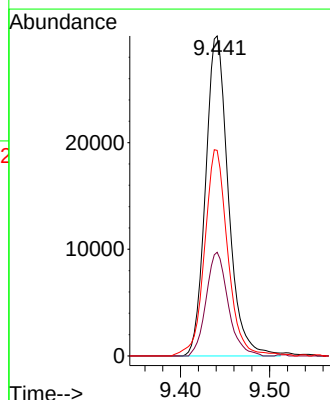
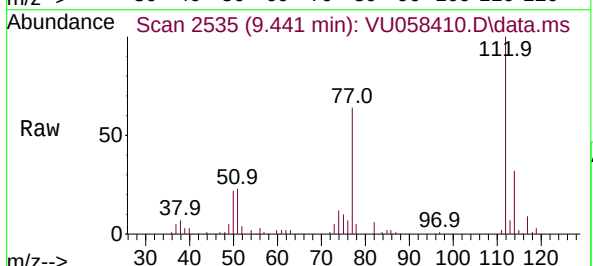
Instrument :
MSVOA_U
ClientSampleId :

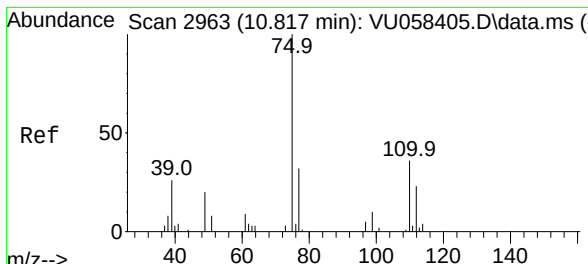
Tgt Ion: 63 Resp: 3561
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#



#51
Chlorobenzene
Concen: 2.736 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU058410.D
Acq: 05 Apr 2024 11:17

Tgt Ion: 112 Resp: 53257
Ion Ratio Lower Upper
112 100
114 32.4 22.4 41.6
77 64.3 50.1 75.1

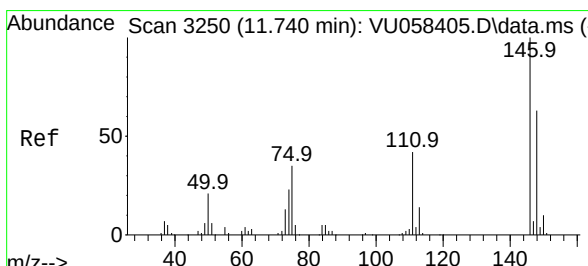
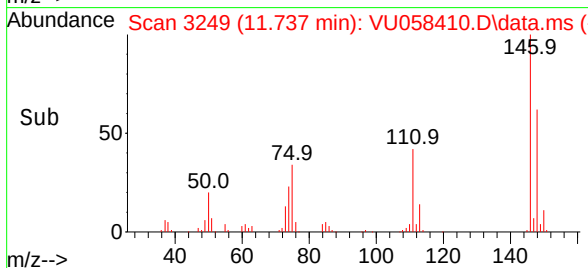
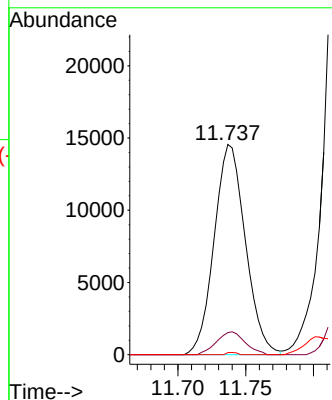
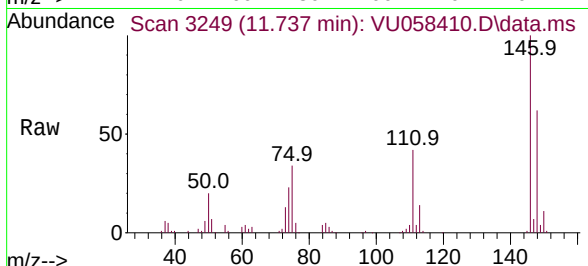




#61
 1,2,3-Trichloropropane
 Concen: 5.645 ug/L
 RT: 11.737 min Scan# 31
 Delta R.T. 0.920 min
 Lab File: VU058410.D
 Acq: 05 Apr 2024 11:17

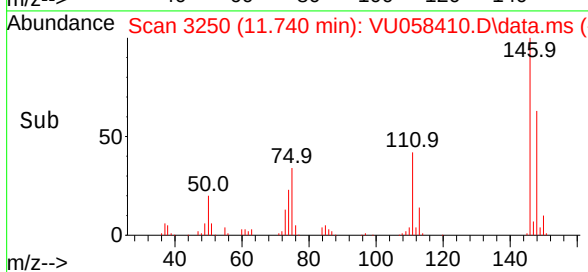
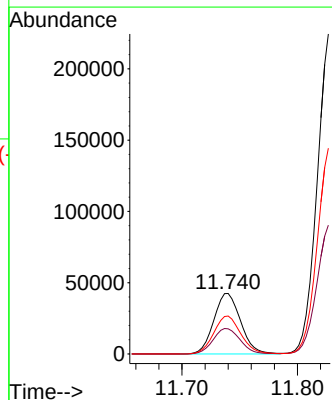
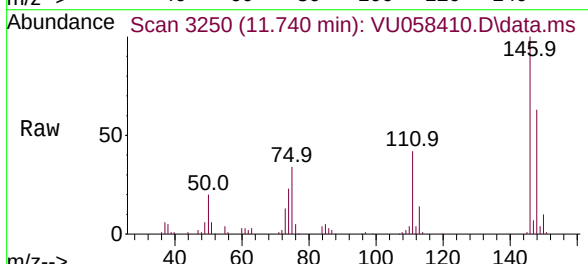
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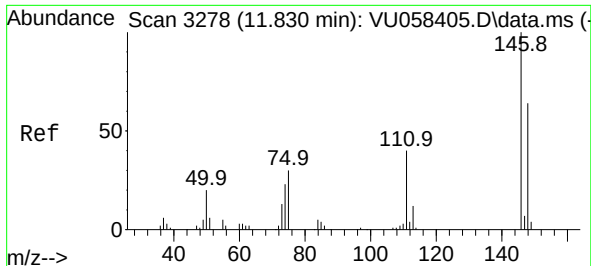
Tgt Ion: 75 Resp: 23329
 Ion Ratio Lower Upper
 75 100
 110 10.0 25.8 38.6#
 77 0.0 25.1 37.7#



#64
 1,3-Dichlorobenzene
 Concen: 4.751 ug/L
 RT: 11.740 min Scan# 3250
 Delta R.T. 0.000 min
 Lab File: VU058410.D
 Acq: 05 Apr 2024 11:17

Tgt Ion:146 Resp: 68434
 Ion Ratio Lower Upper
 146 100
 111 41.7 28.8 53.4
 148 62.7 44.9 83.3





#65

1,4-Dichlorobenzene

Concen: 25.796 ug/L

RT: 11.827 min Scan# 31

Delta R.T. -0.003 min MSVOA_U

Lab File: VU058410.D

Acq: 05 Apr 2024 11:17

Instrument :

MSVOA_U

ClientSampleId :

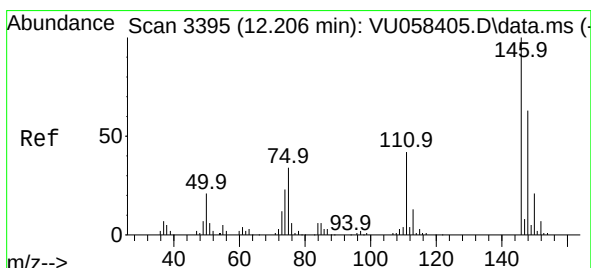
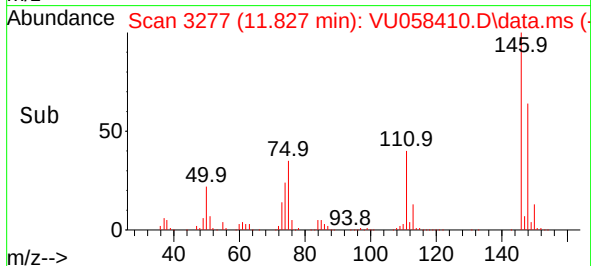
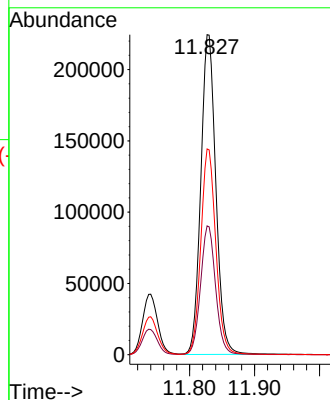
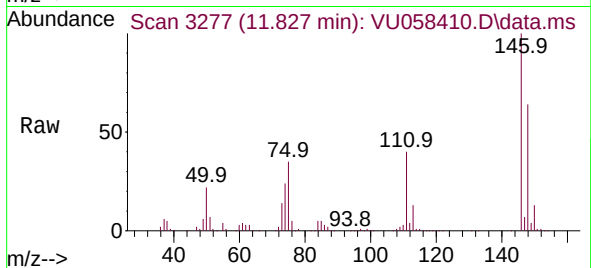
Tgt Ion:146 Resp: 362023

Ion Ratio Lower Upper

146 100

111 40.3 28.8 53.6

148 64.3 45.3 84.1



#67

1,2-Dichlorobenzene

Concen: 0.397 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058410.D

Acq: 05 Apr 2024 11:17

Tgt Ion:146 Resp: 5206

Ion Ratio Lower Upper

146 100

111 46.4 35.0 52.4

148 64.7 52.5 78.7

