

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040524\
 Data File : VU058408.D
 Acq On : 05 Apr 2024 10:32
 Operator : MD/SY
 Sample : P1925-14 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

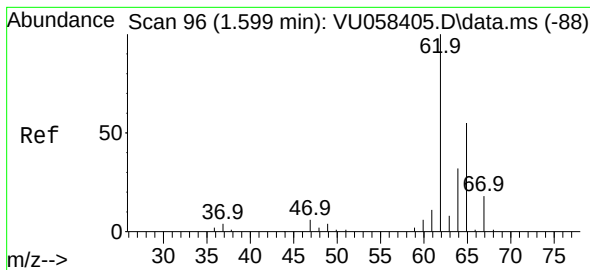
Quant Time: Apr 05 23:33:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 05 23:33:02 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	87751	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	83208	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	36616	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	25871	4.453	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.911	69	23901	4.734	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.600%
11) 1,1-Dichloroethene-d2	2.563	65	12226	4.649	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.000%
20) 2-Butanone-d5	4.634	46	59419	48.532	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.060%
24) Chloroform-d	5.055	84	53538	4.616	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	5.695	65	27118	5.010	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
32) Benzene-d6	5.721	84	106889	4.771	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.682	67	34110	4.855	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.891	98	90214	4.541	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
43) trans-1,3-Dichloroprop...	8.174	79	9361	4.293	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.800%
46) 2-Hexanone-d5	8.631	63	38948	43.302	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.600%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	21287	4.292	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	28262	4.583	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.600%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	4520	0.506	ug/L	93
12) 1,1-Dichloroethene	2.576	96	1073	0.173	ug/L #	1
16) Methylene chloride	3.039	84	2366	0.287	ug/L	91
18) trans-1,2-Dichloroethene	3.351	96	2784	0.427	ug/L	95
19) 1,1-Dichloroethane	3.859	63	21782	1.531	ug/L	98
22) cis-1,2-Dichloroethene	4.656	96	64935	8.872	ug/L	100
27) 1,2-Dichloroethane	5.795	62	4932	0.588	ug/L	99
33) Benzene	5.772	78	6981	0.231	ug/L	100
35) Methylcyclohexane	6.679	83	7189	0.628	ug/L #	17
37) 1,2-Dichloropropane	6.682	63	4003	0.504	ug/L #	90
51) Chlorobenzene	9.441	112	4788	0.250	ug/L	95
61) 1,2,3-Trichloropropane	11.740	75	1355	0.363	ug/L #	43
64) 1,3-Dichlorobenzene	11.743	146	4194	0.322	ug/L	84
65) 1,4-Dichlorobenzene	11.830	146	21874	1.724	ug/L	98
69) 1,3,5-Trichlorobenzene	13.852	180	1572	0.163	ug/L #	80
70) 1,2,4-trichlorobenzene	13.852	180	1572	0.212	ug/L #	83

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

Instrument :
MSVOA_U
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#5

Vinyl chloride

Concen: 0.506 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.000 min

Lab File: VU058408.D

Acq: 05 Apr 2024 10:32

Instrument :

MSVOA_U

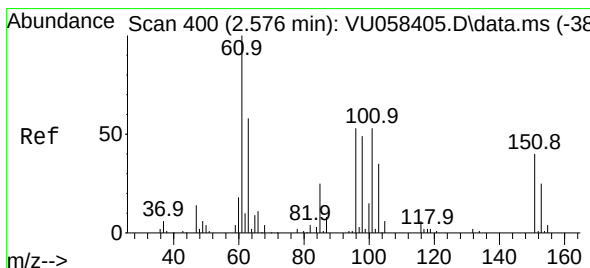
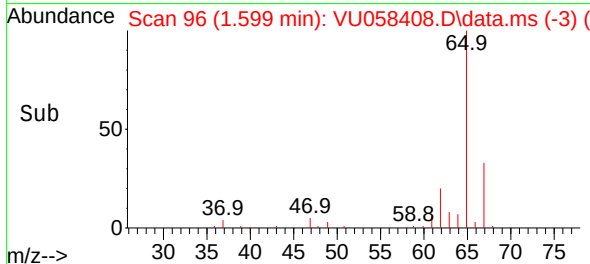
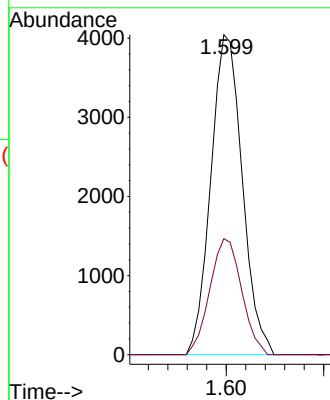
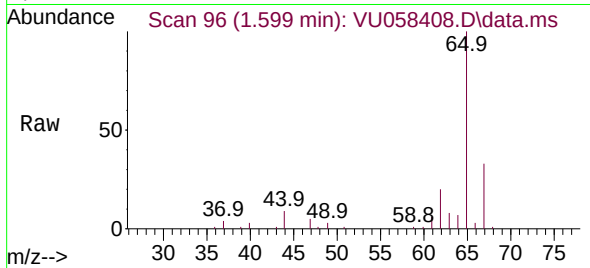
ClientSampleId :

Tgt Ion: 62 Resp: 4520

Ion Ratio Lower Upper

62 100

64 36.3 22.6 42.0



#12

1,1-Dichloroethene

Concen: 0.173 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU058408.D

Acq: 05 Apr 2024 10:32

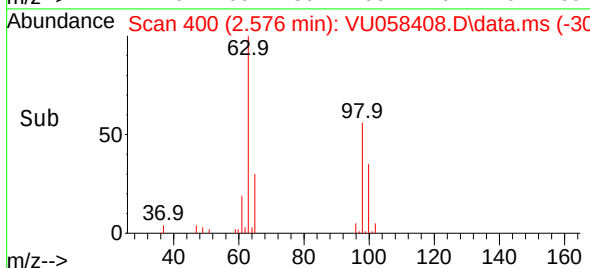
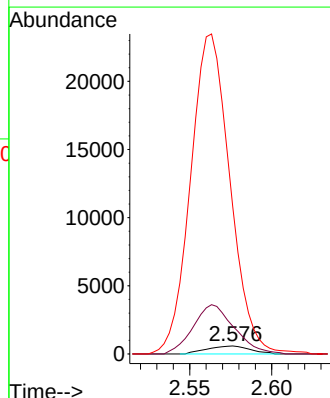
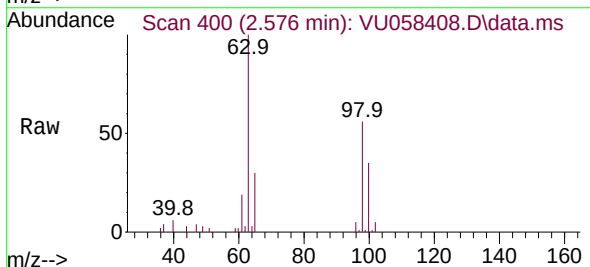
Tgt Ion: 96 Resp: 1073

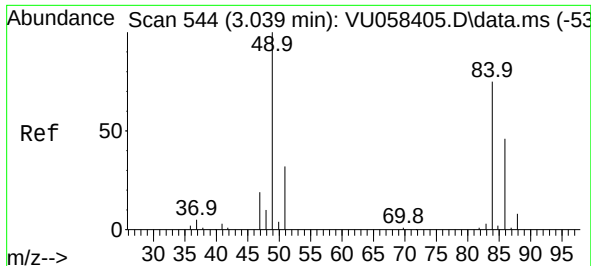
Ion Ratio Lower Upper

96 100

61 348.9 132.5 246.1#

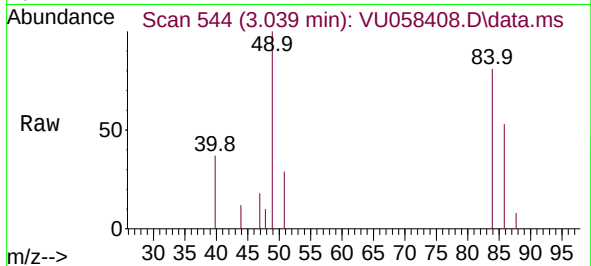
63 1855.2 87.7 162.9#





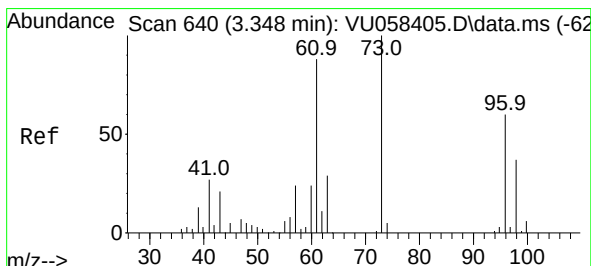
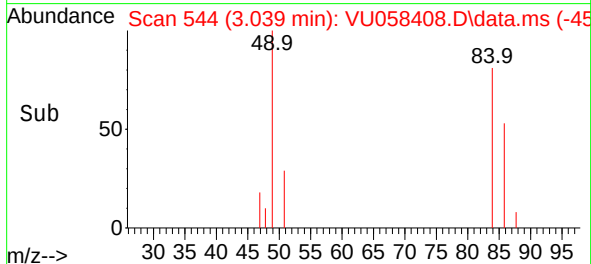
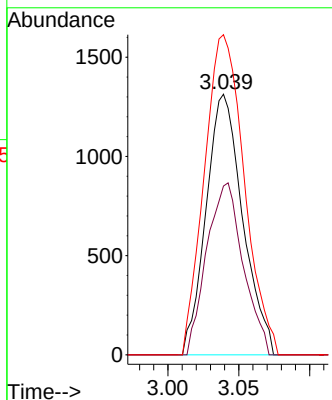
#16
Methylene chloride
Concen: 0.287 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU058408.D
Acq: 05 Apr 2024 10:32

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 2366

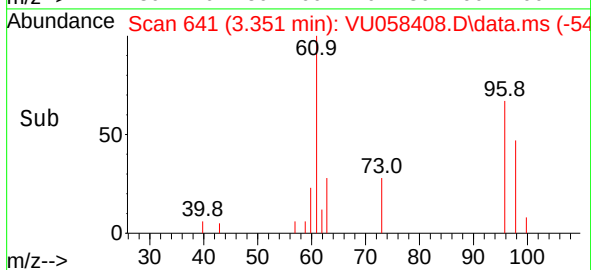
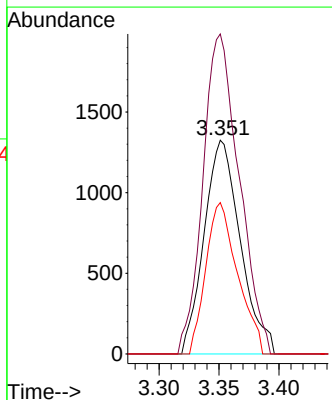
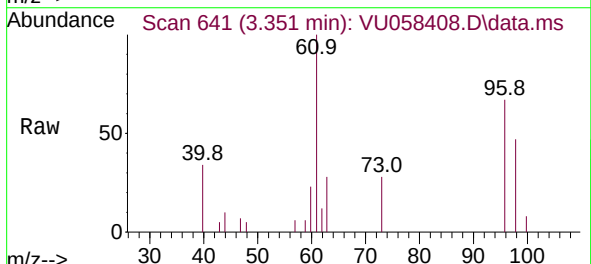
Ion	Ratio	Lower	Upper
84	100		
86	64.8	44.3	82.3
49	122.8	96.0	178.2

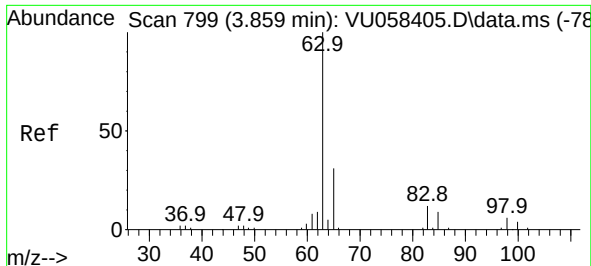


#18
trans-1,2-Dichloroethene
Concen: 0.427 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU058408.D
Acq: 05 Apr 2024 10:32

Tgt Ion: 96 Resp: 2784

Ion	Ratio	Lower	Upper
96	100		
61	149.7	107.6	199.8
98	70.8	45.1	83.7

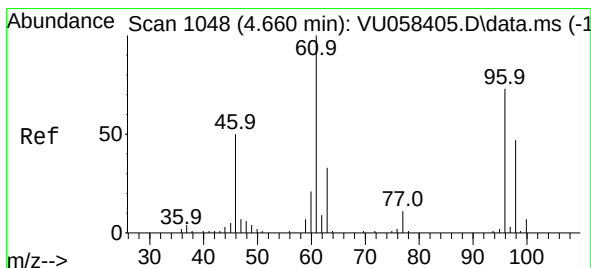
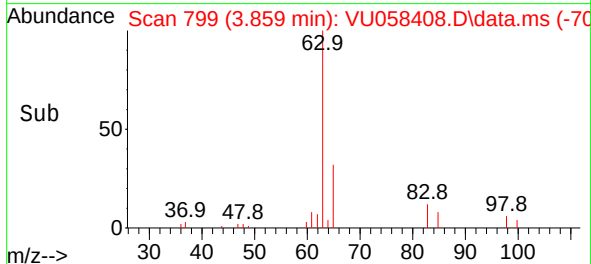
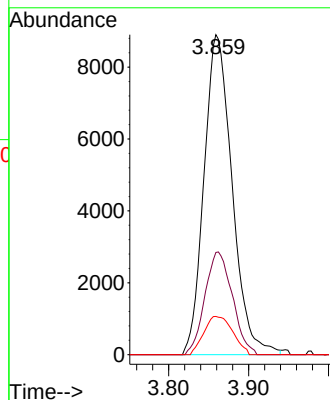
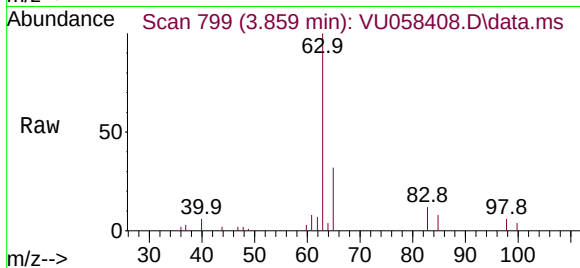




#19
1,1-Dichloroethane
Concen: 1.531 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU058408.D
Acq: 05 Apr 2024 10:32

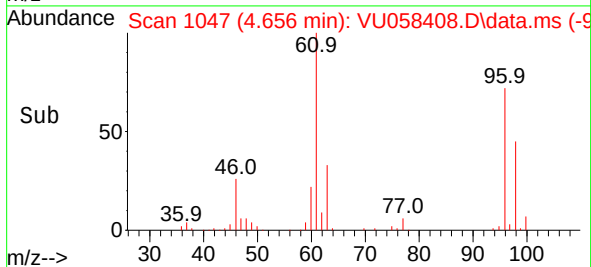
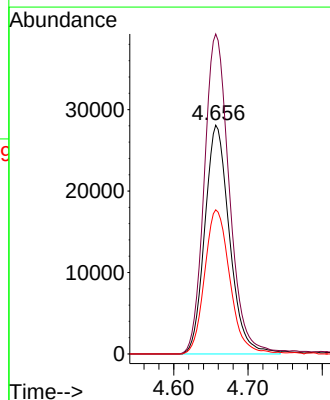
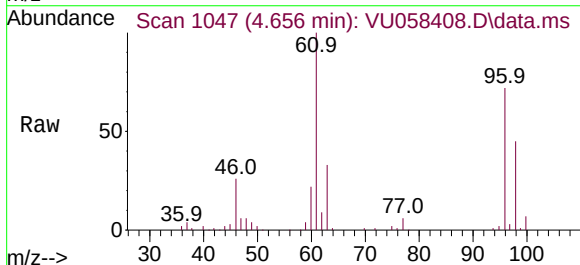
Instrument :
MSVOA_U
ClientSampleId :

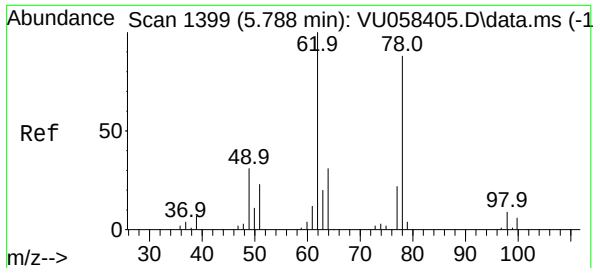
Tgt Ion:	63	Resp:	21782
Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.9	42.5
83	11.9	9.6	17.8



#22
cis-1,2-Dichloroethene
Concen: 8.872 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU058408.D
Acq: 05 Apr 2024 10:32

Tgt Ion:	96	Resp:	64935
Ion	Ratio	Lower	Upper
96	100		
61	139.8	98.1	182.3
98	63.0	43.6	81.0

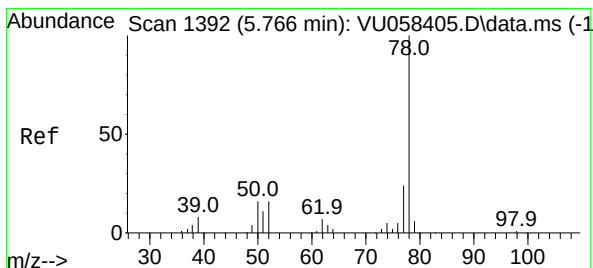
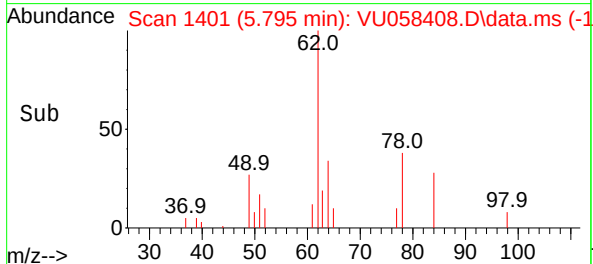
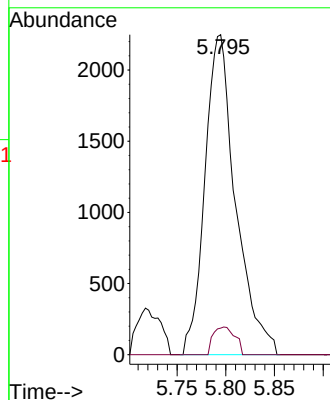
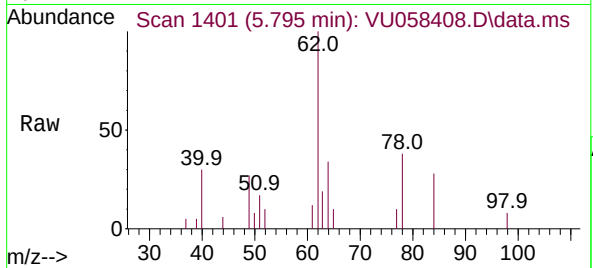




#27
1,2-Dichloroethane
Concen: 0.588 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.006 min
Lab File: VU058408.D
Acq: 05 Apr 2024 10:32

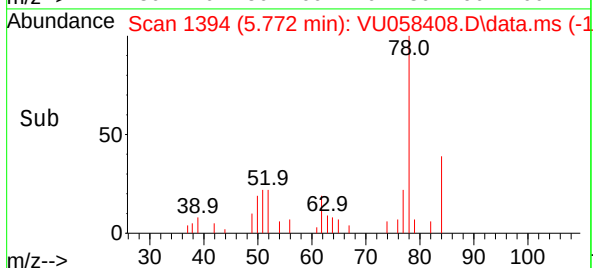
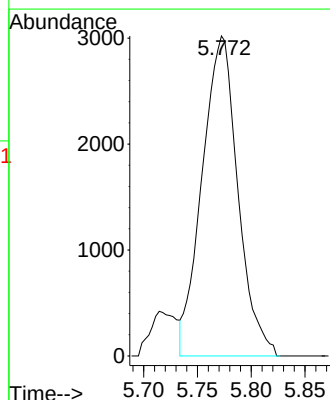
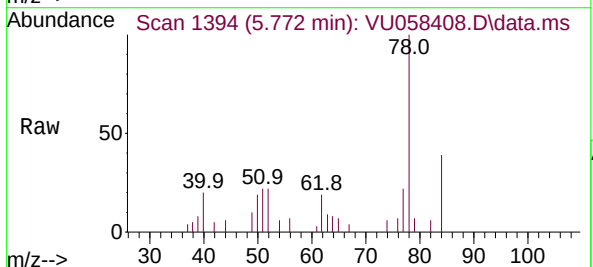
Instrument :
MSVOA_U
ClientSampleId :

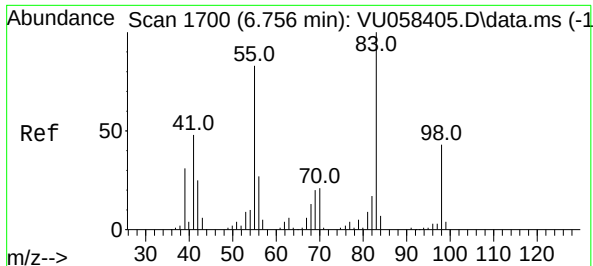
Tgt Ion: 62 Resp: 4932
Ion Ratio Lower Upper
62 100
98 8.3 7.0 10.4



#33
Benzene
Concen: 0.231 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.006 min
Lab File: VU058408.D
Acq: 05 Apr 2024 10:32

Tgt Ion: 78 Resp: 6981





#35

Methylcyclohexane

Concen: 0.628 ug/L

RT: 6.679 min Scan# 1

Delta R.T. -0.077 min

Lab File: VU058408.D

Acq: 05 Apr 2024 10:32

Instrument :

MSVOA_U

ClientSampleId :

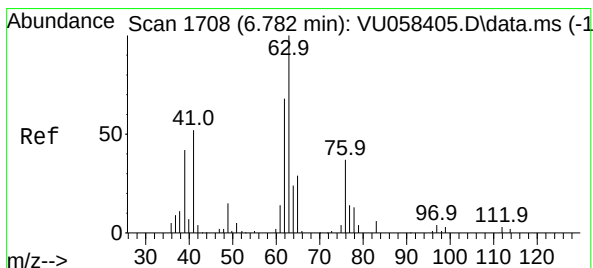
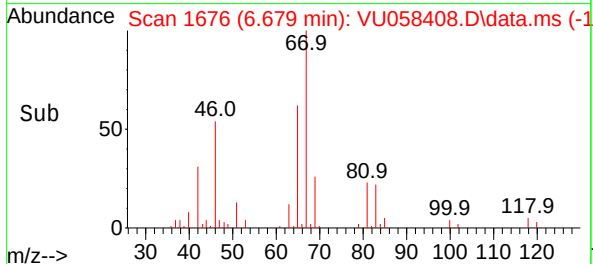
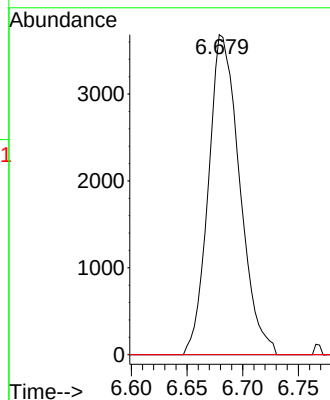
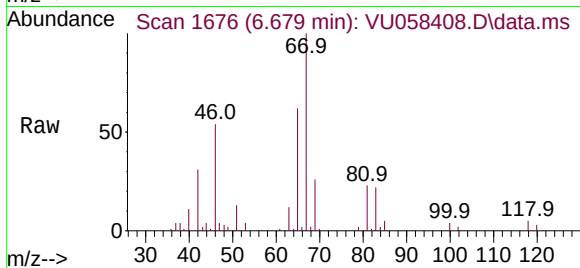
Tgt Ion: 83 Resp: 7189

Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

98 1.0 34.6 52.0#



#37

1,2-Dichloropropane

Concen: 0.504 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.100 min

Lab File: VU058408.D

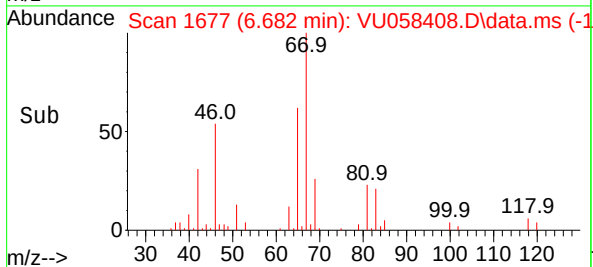
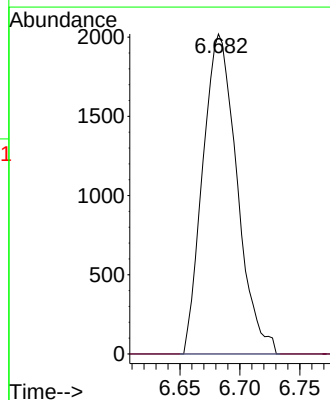
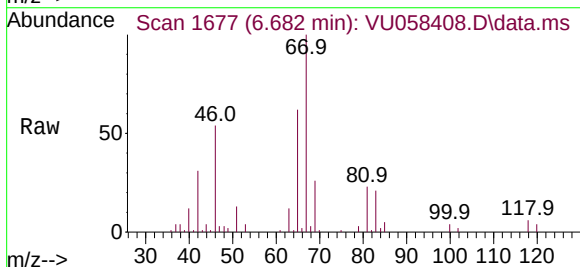
Acq: 05 Apr 2024 10:32

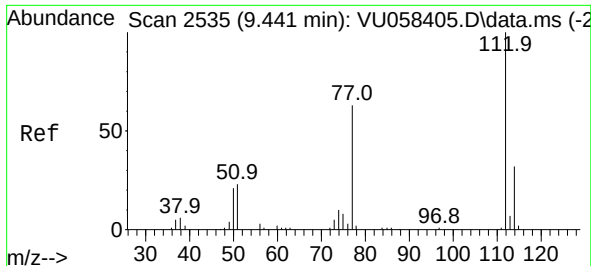
Tgt Ion: 63 Resp: 4003

Ion Ratio Lower Upper

63 100

112 0.0 2.6 4.0#





#51

Chlorobenzene

Concen: 0.250 ug/L

RT: 9.441 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU058408.D

Acq: 05 Apr 2024 10:32

Instrument :

MSVOA_U

ClientSampleId :

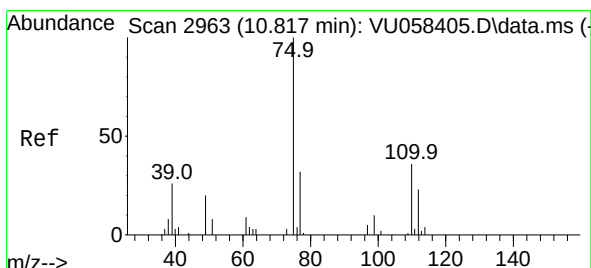
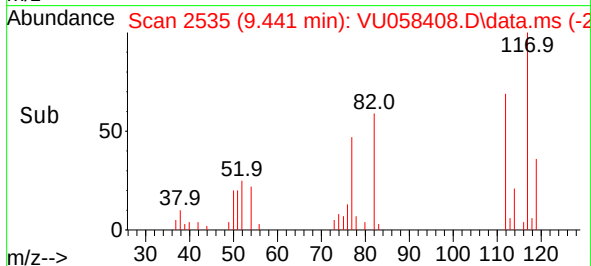
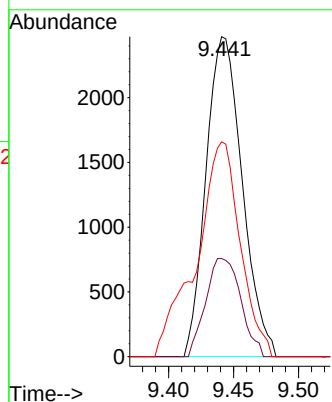
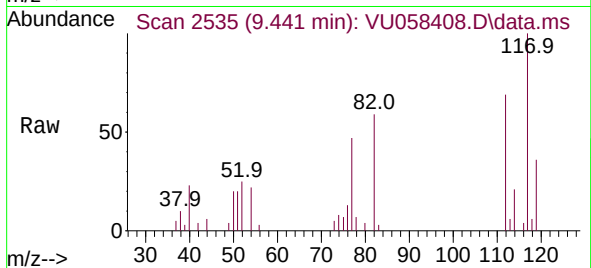
Tgt Ion:112 Resp: 4788

Ion Ratio Lower Upper

112 100

114 30.7 22.4 41.6

77 67.1 50.1 75.1



#61

1,2,3-Trichloropropane

Concen: 0.363 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.923 min

Lab File: VU058408.D

Acq: 05 Apr 2024 10:32

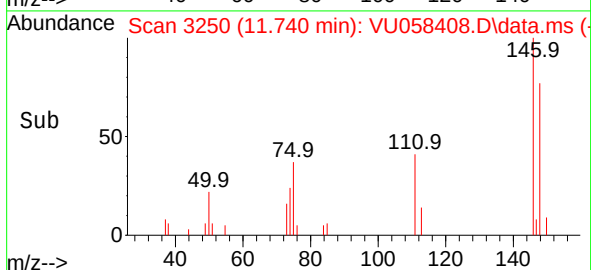
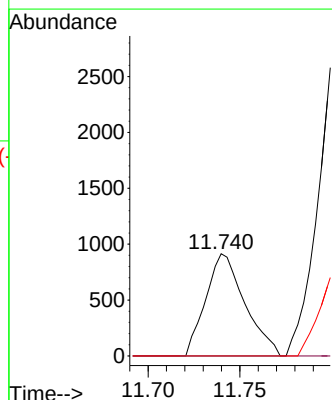
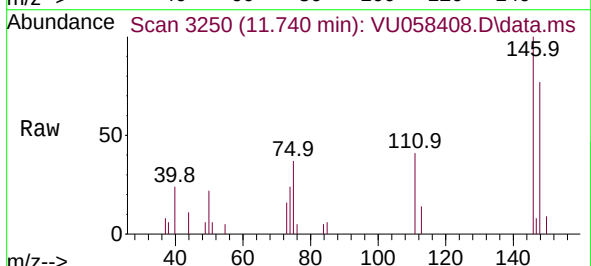
Tgt Ion: 75 Resp: 1355

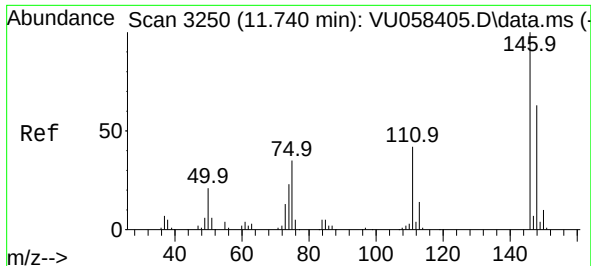
Ion Ratio Lower Upper

75 100

110 0.0 25.8 38.6#

77 0.0 25.1 37.7#





#64

1,3-Dichlorobenzene

Concen: 0.322 ug/L

RT: 11.743 min Scan# 3250

Delta R.T. 0.003 min

Lab File: VU058408.D

Acq: 05 Apr 2024 10:32

Instrument :

MSVOA_U

ClientSampleId :

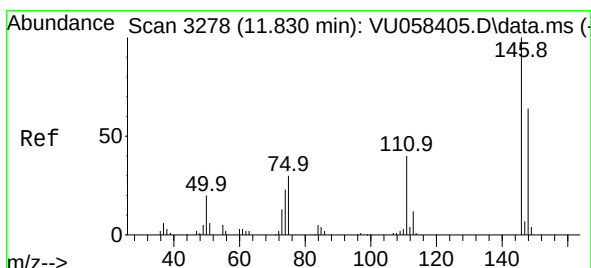
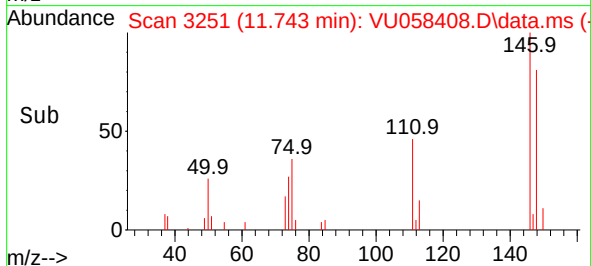
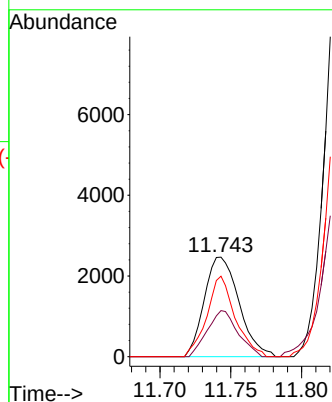
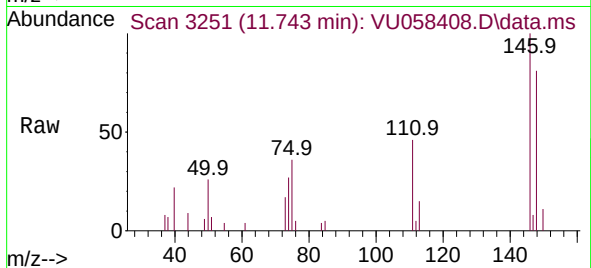
Tgt Ion:146 Resp: 4194

Ion Ratio Lower Upper

146 100

111 46.3 28.8 53.4

148 80.9 44.9 83.3



#65

1,4-Dichlorobenzene

Concen: 1.724 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU058408.D

Acq: 05 Apr 2024 10:32

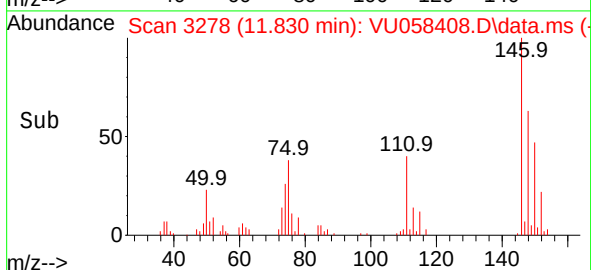
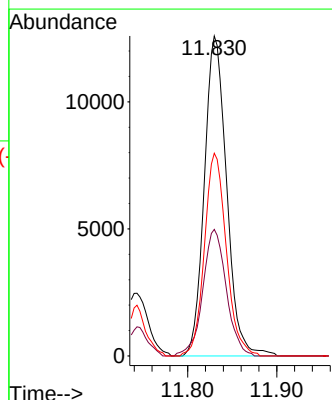
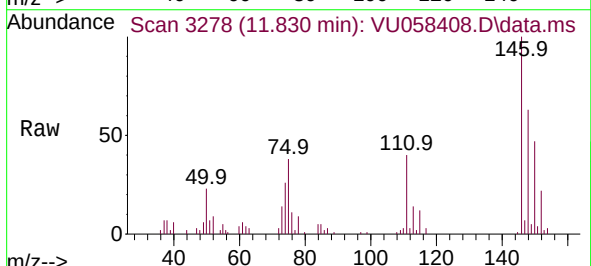
Tgt Ion:146 Resp: 21874

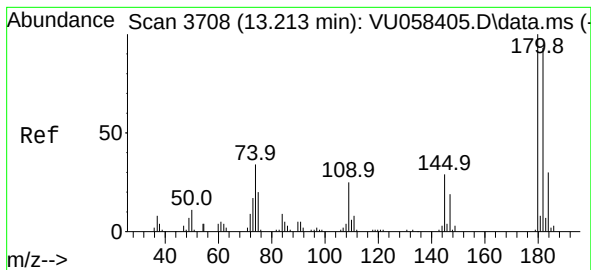
Ion Ratio Lower Upper

146 100

111 39.6 28.8 53.6

148 63.3 45.3 84.1





#69

1,3,5-Trichlorobenzene

Concen: 0.163 ug/L

RT: 13.852 min Scan# 3907

Delta R.T. 0.640 min

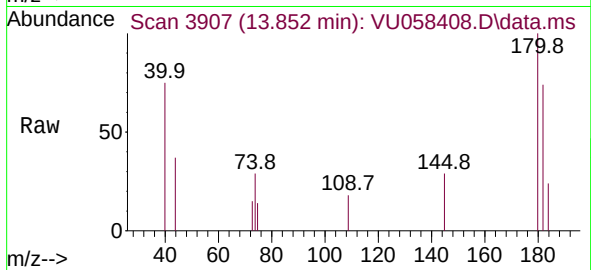
Lab File: VU058408.D

Acq: 05 Apr 2024 10:32

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 1572

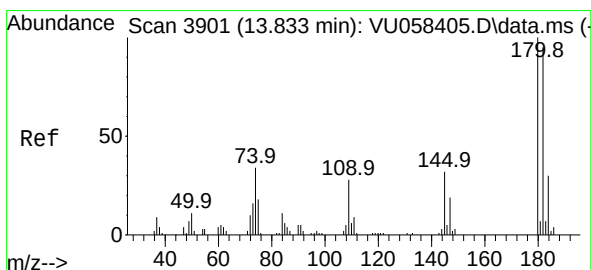
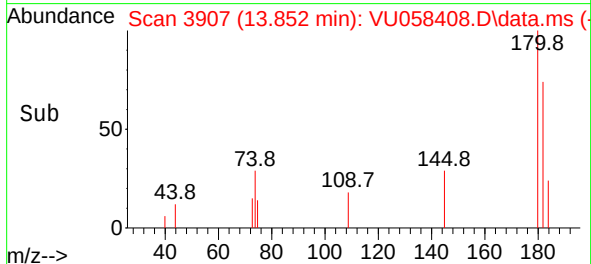
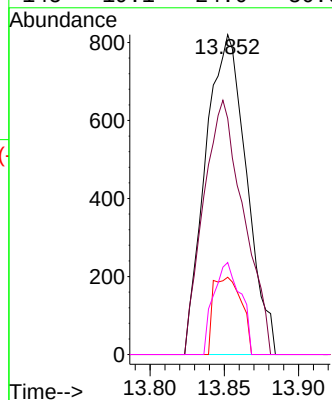
Ion Ratio Lower Upper

180 100

182 77.7 75.7 113.5

184 16.5 24.3 36.5#

145 19.1 24.0 36.0#



#70

1,2,4-trichlorobenzene

Concen: 0.212 ug/L

RT: 13.852 min Scan# 3907

Delta R.T. 0.019 min

Lab File: VU058408.D

Acq: 05 Apr 2024 10:32

Tgt Ion:180 Resp: 1572

Ion Ratio Lower Upper

180 100

182 77.7 74.4 111.6

145 19.1 24.1 36.1#

