

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040524\
 Data File : VU058422.D
 Acq On : 05 Apr 2024 16:24
 Operator : MD/SY
 Sample : P1925-15DL 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 05 23:37:10 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)

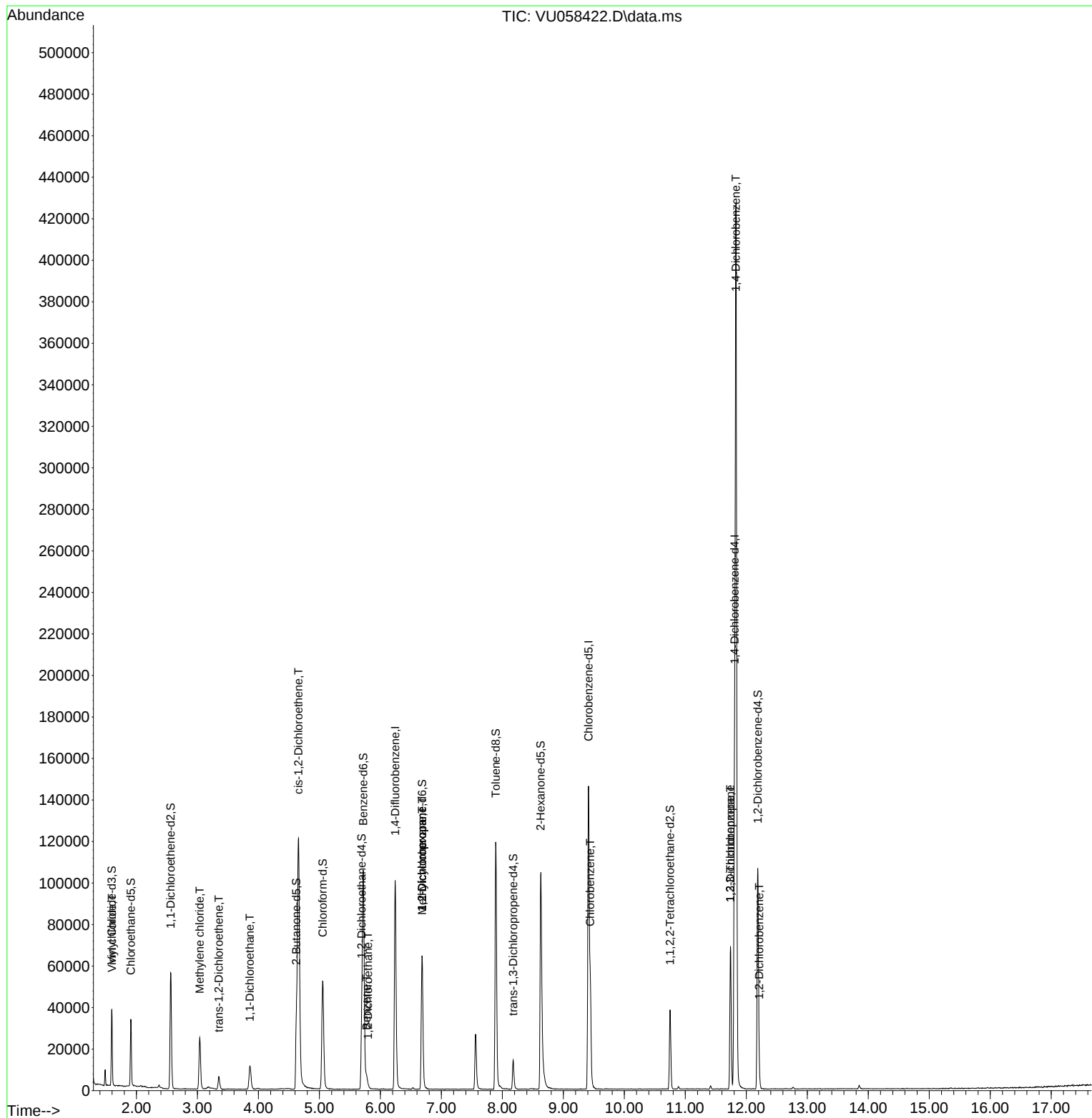
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	80945	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	78420	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	36195	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	23045	4.300	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.000%
7) Chloroethane-d5	1.907	69	21320	4.578	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.600%
11) 1,1-Dichloroethene-d2	2.560	65	10815	4.459	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.200%
20) 2-Butanone-d5	4.621	46	52941	46.877	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.760%
24) Chloroform-d	5.055	84	49225	4.601	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
26) 1,2-Dichloroethane-d4	5.692	65	24067	4.821	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.718	84	98069	4.645	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	6.682	67	30595	4.621	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.400%
41) Toluene-d8	7.891	98	81036	4.328	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
43) trans-1,3-Dichloroprop...	8.177	79	9021	4.389	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.627	63	37160	43.836	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.680%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	19645	4.203	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	27270	4.473	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.400%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	3308	0.401	ug/L	90
16) Methylene chloride	3.036	84	11446	1.503	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	2337	0.389	ug/L	87
19) 1,1-Dichloroethane	3.859	63	13746	1.047	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	56378	8.350	ug/L	94
27) 1,2-Dichloroethane	5.798	62	1362	0.176	ug/L #	76
33) Benzene	5.772	78	4823	0.170	ug/L	100
35) Methylcyclohexane	6.685	83	6519	0.604	ug/L #	16
37) 1,2-Dichloropropane	6.682	63	3365	0.450	ug/L #	90
51) Chlorobenzene	9.441	112	25480	1.412	ug/L	96
61) 1,2,3-Trichloropropane	11.740	75	9187	2.488	ug/L #	51
64) 1,3-Dichlorobenzene	11.740	146	26805	2.083	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	160663	12.812	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	2361	0.202	ug/L	94

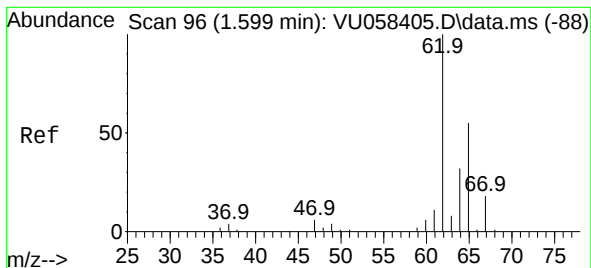
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.401 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.000 min

Lab File: VU058422.D

Acq: 05 Apr 2024 16:24

Instrument :

MSVOA_U

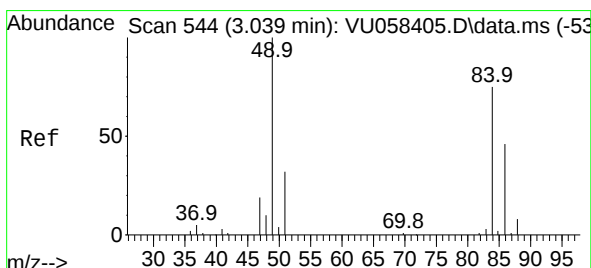
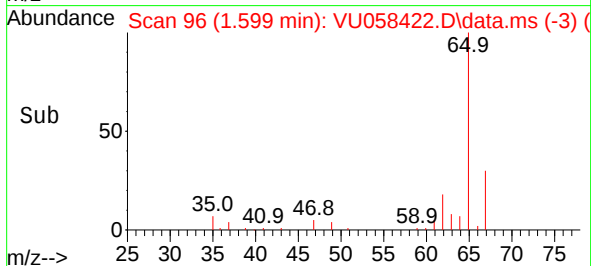
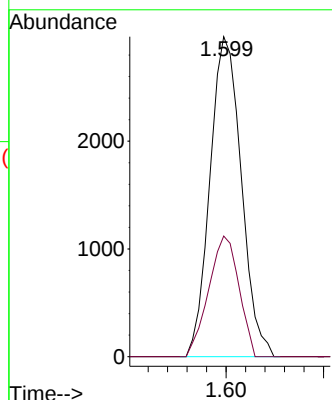
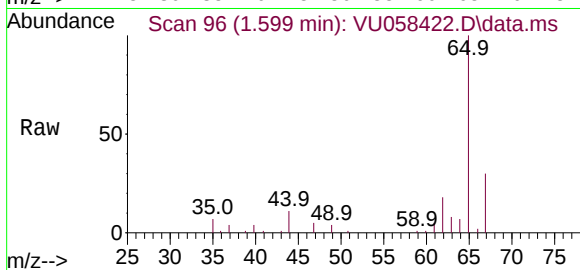
ClientSampleId :

Tgt Ion: 62 Resp: 3308

Ion Ratio Lower Upper

62 100

64 37.7 22.6 42.0



#16

Methylene chloride

Concen: 1.503 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU058422.D

Acq: 05 Apr 2024 16:24

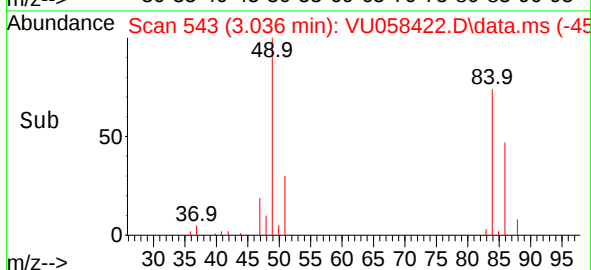
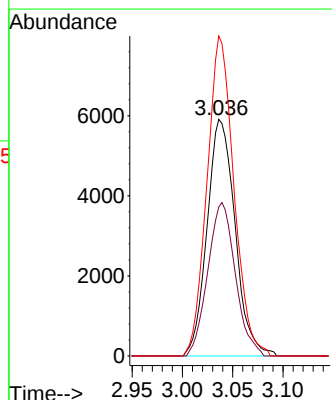
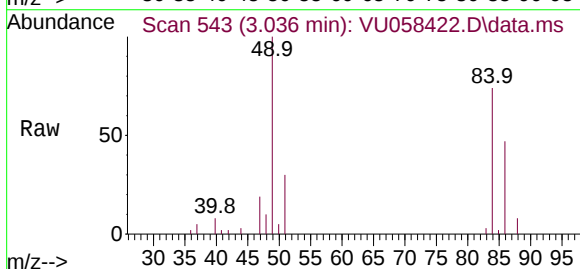
Tgt Ion: 84 Resp: 11446

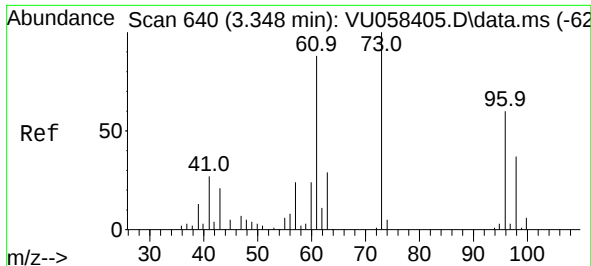
Ion Ratio Lower Upper

84 100

86 63.0 44.3 82.3

49 135.2 96.0 178.2





#18

trans-1,2-Dichloroethene

Concen: 0.389 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.003 min

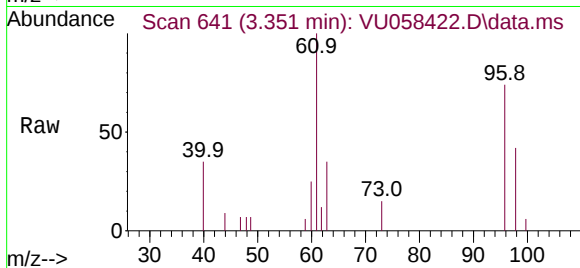
Lab File: VU058422.D

Acq: 05 Apr 2024 16:24

Instrument :

MSVOA_U

ClientSampleId :



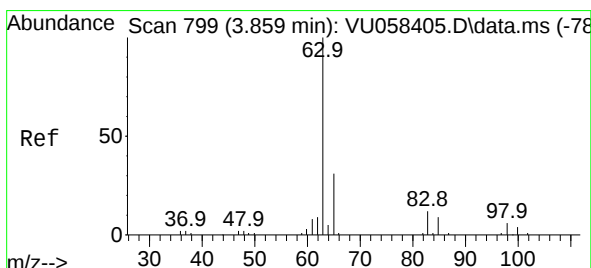
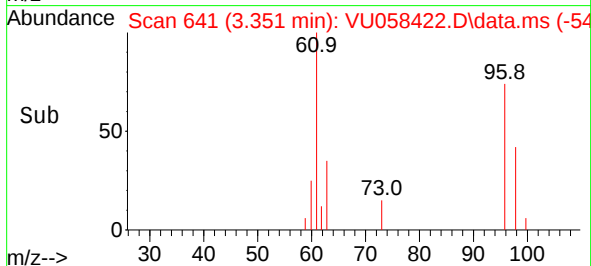
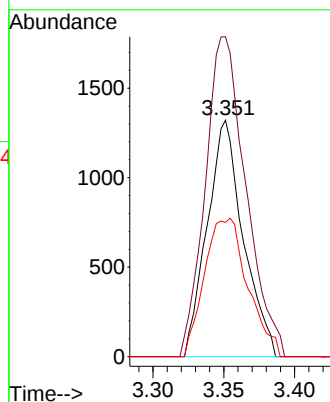
Tgt Ion: 96 Resp: 2337

Ion Ratio Lower Upper

96 100

61 135.4 107.6 199.8

98 56.8 45.1 83.7



#19

1,1-Dichloroethane

Concen: 1.047 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU058422.D

Acq: 05 Apr 2024 16:24

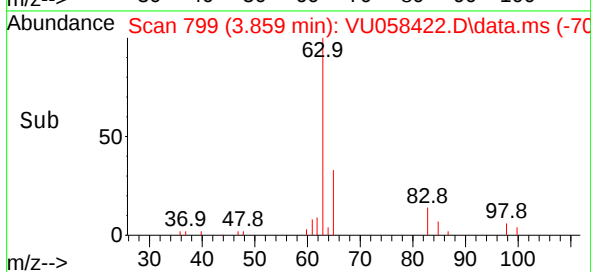
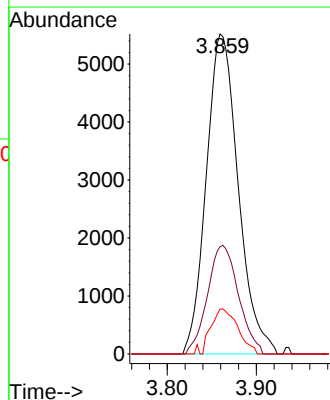
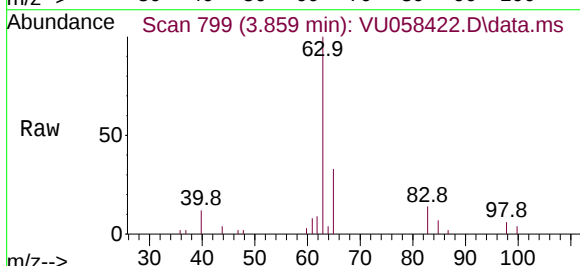
Tgt Ion: 63 Resp: 13746

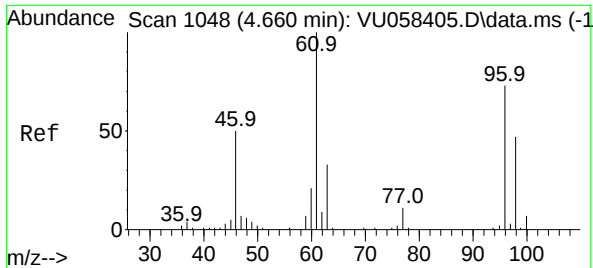
Ion Ratio Lower Upper

63 100

65 33.5 22.9 42.5

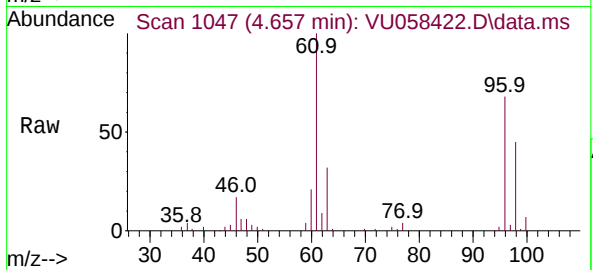
83 14.0 9.6 17.8





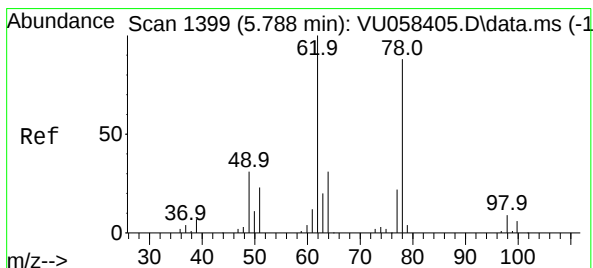
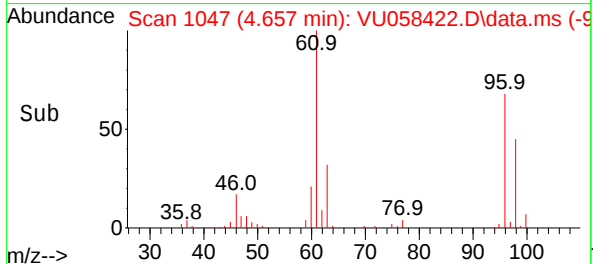
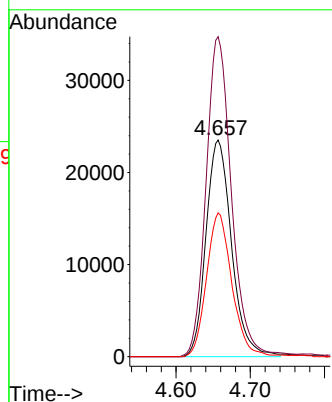
#22
 cis-1,2-Dichloroethene
 Concen: 8.350 ug/L
 RT: 4.657 min Scan# 1
 Delta R.T. -0.003 min
 Lab File: VU058422.D
 Acq: 05 Apr 2024 16:24

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 56378

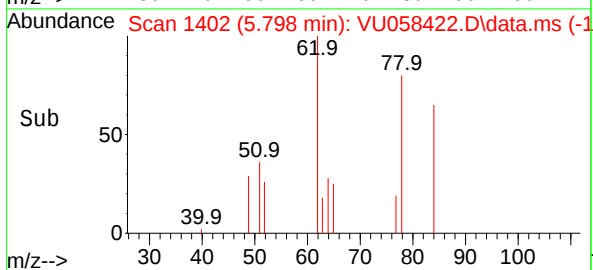
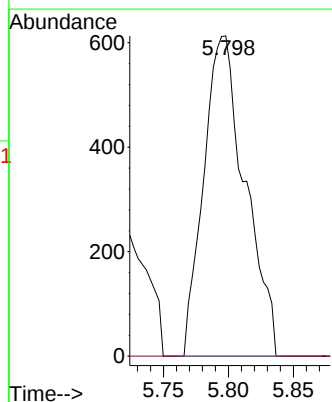
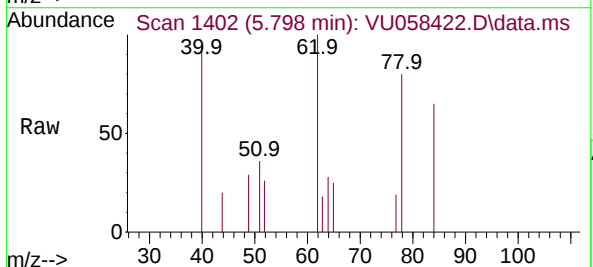
Ion	Ratio	Lower	Upper
96	100		
61	147.7	98.1	182.3
98	66.4	43.6	81.0

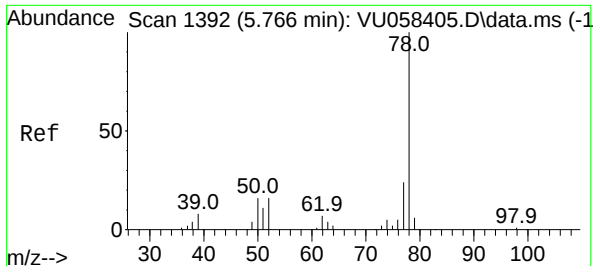


#27
 1,2-Dichloroethane
 Concen: 0.176 ug/L
 RT: 5.798 min Scan# 1402
 Delta R.T. 0.010 min
 Lab File: VU058422.D
 Acq: 05 Apr 2024 16:24

Tgt Ion: 62 Resp: 1362

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.0	10.4#





#33

Benzene

Concen: 0.170 ug/L

RT: 5.772 min Scan# 1678

Delta R.T. 0.006 min

Lab File: VU058422.D

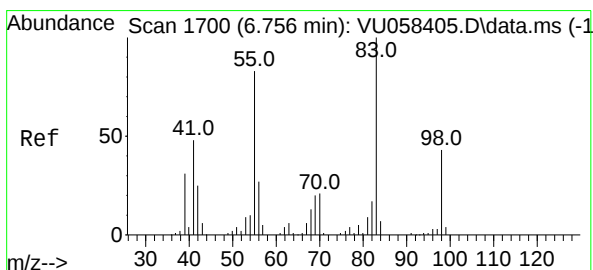
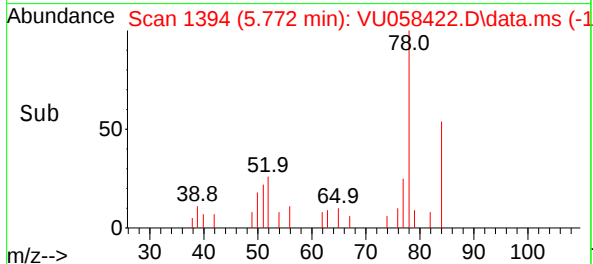
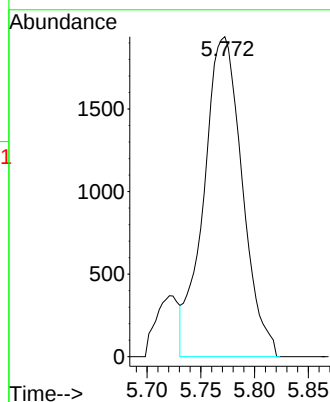
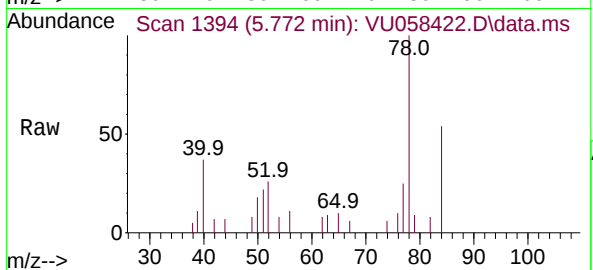
Acq: 05 Apr 2024 16:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 4823



#35

Methylcyclohexane

Concen: 0.604 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.071 min

Lab File: VU058422.D

Acq: 05 Apr 2024 16:24

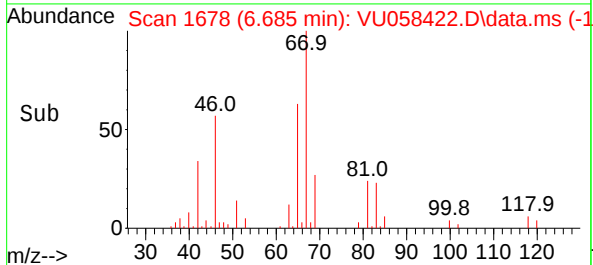
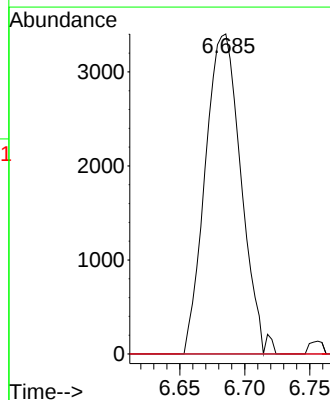
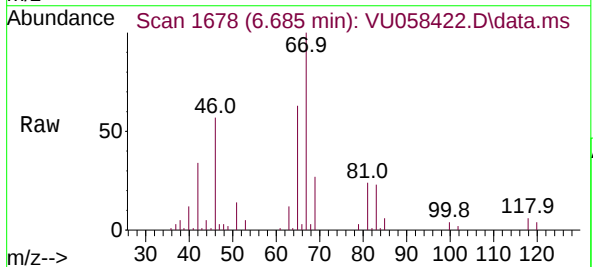
Tgt Ion: 83 Resp: 6519

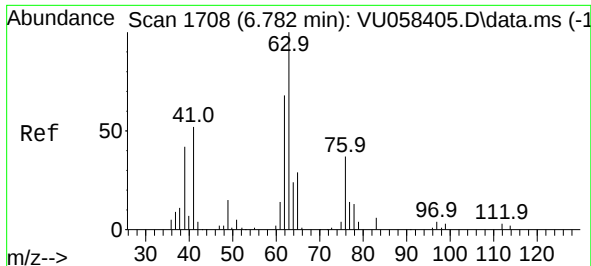
Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

98 0.0 34.6 52.0#

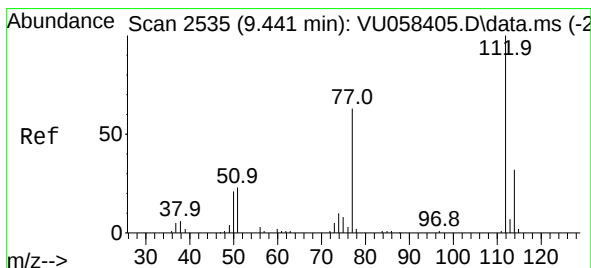
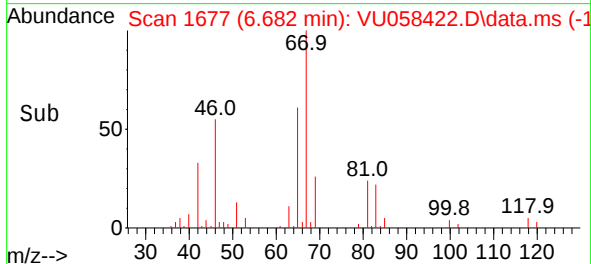
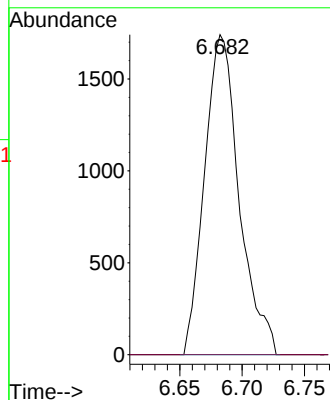
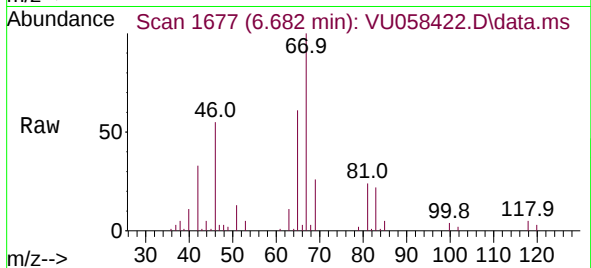




#37
1,2-Dichloropropane
Concen: 0.450 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU058422.D
Acq: 05 Apr 2024 16:24

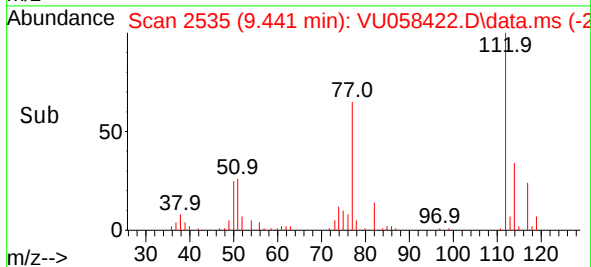
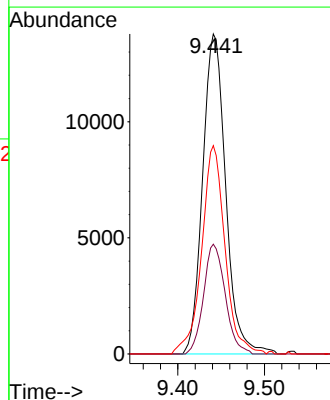
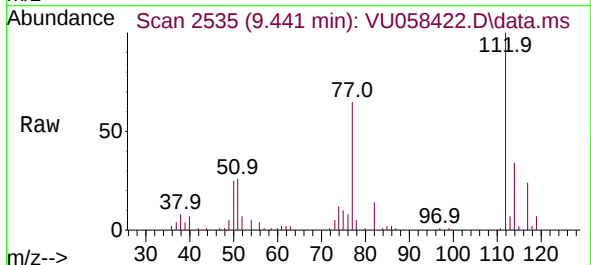
Instrument :
MSVOA_U
ClientSampleId :

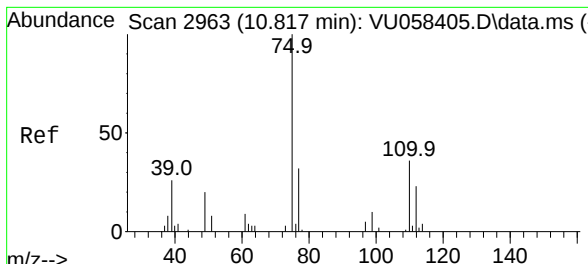
Tgt Ion: 63 Resp: 3365
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#



#51
Chlorobenzene
Concen: 1.412 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU058422.D
Acq: 05 Apr 2024 16:24

Tgt Ion: 112 Resp: 25480
Ion Ratio Lower Upper
112 100
114 34.3 22.4 41.6
77 65.1 50.1 75.1

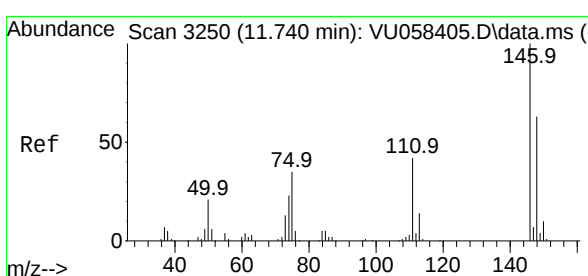
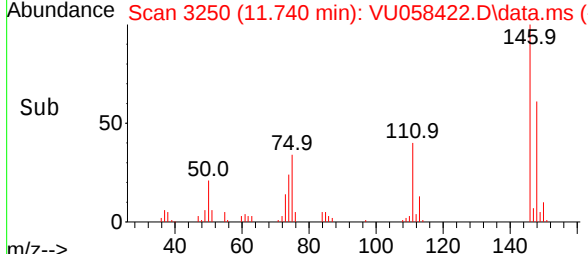
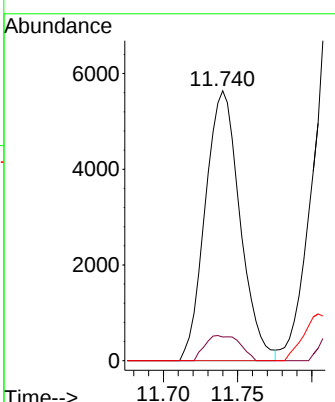
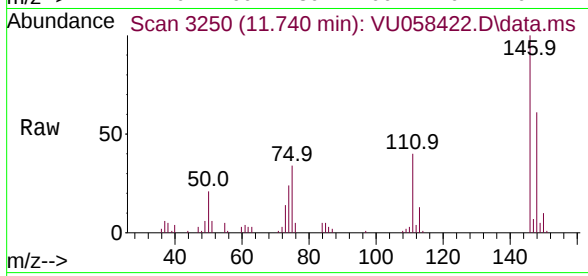




#61
 1,2,3-Trichloropropane
 Concen: 2.488 ug/L
 RT: 11.740 min Scan# 31
 Delta R.T. 0.923 min
 Lab File: VU058422.D
 Acq: 05 Apr 2024 16:24

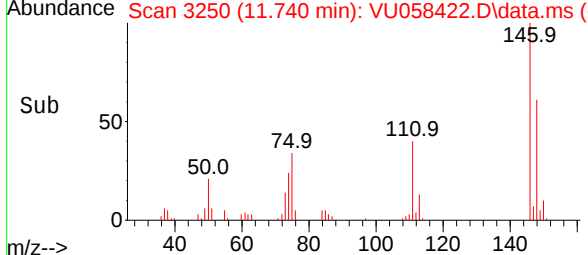
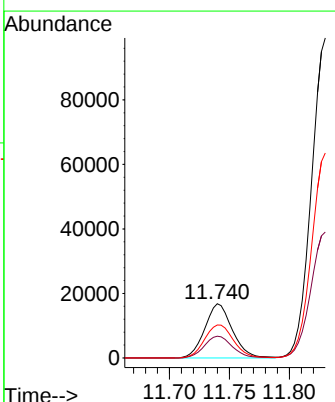
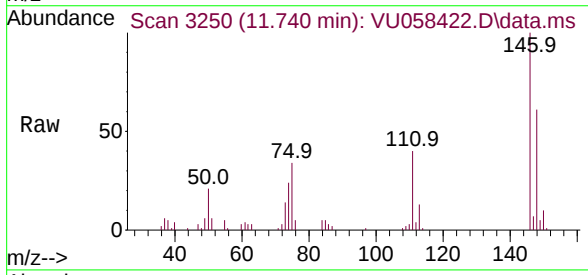
Instrument : MSVOA_U
 ClientSampleId :

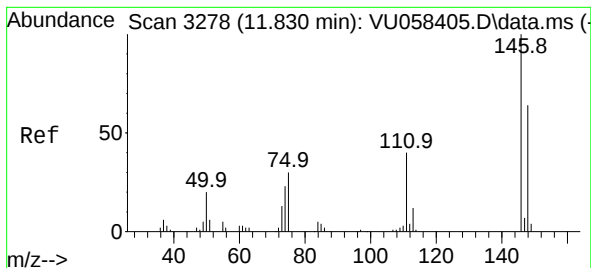
Tgt Ion: 75	Resp: 9187
Ion Ratio	Lower Upper
75	100
110	9.3 25.8 38.6#
77	0.0 25.1 37.7#



#64
 1,3-Dichlorobenzene
 Concen: 2.083 ug/L
 RT: 11.740 min Scan# 3250
 Delta R.T. -0.000 min
 Lab File: VU058422.D
 Acq: 05 Apr 2024 16:24

Tgt Ion: 146	Resp: 26805
Ion Ratio	Lower Upper
146	100
111	40.2 28.8 53.4
148	60.7 44.9 83.3





#65

1,4-Dichlorobenzene

Concen: 12.812 ug/L

RT: 11.830 min Scan# 31

Delta R.T. -0.000 min

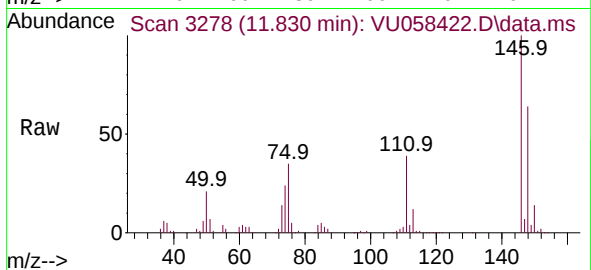
Lab File: VU058422.D

Acq: 05 Apr 2024 16:24

Instrument :

MSVOA_U

ClientSampleId :



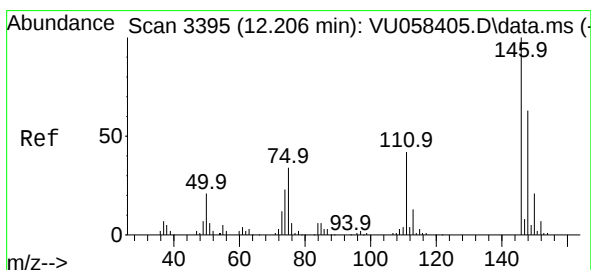
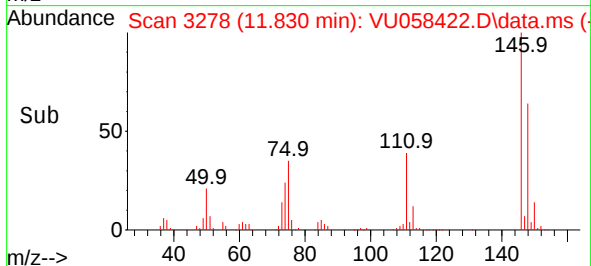
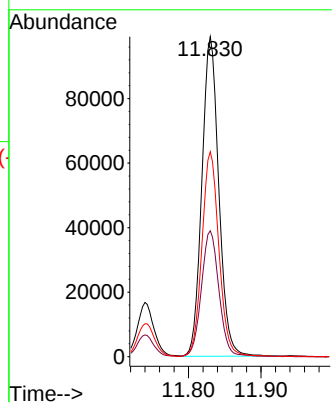
Tgt Ion:146 Resp: 160663

Ion Ratio Lower Upper

146 100

111 39.4 28.8 53.6

148 64.1 45.3 84.1



#67

1,2-Dichlorobenzene

Concen: 0.202 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.003 min

Lab File: VU058422.D

Acq: 05 Apr 2024 16:24

Tgt Ion:146 Resp: 2361

Ion Ratio Lower Upper

146 100

111 49.0 35.0 52.4

148 68.8 52.5 78.7

