

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040524\
 Data File : VU058423.D
 Acq On : 05 Apr 2024 16:46
 Operator : MD/SY
 Sample : P1925-17DL 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 05 23:37:27 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)

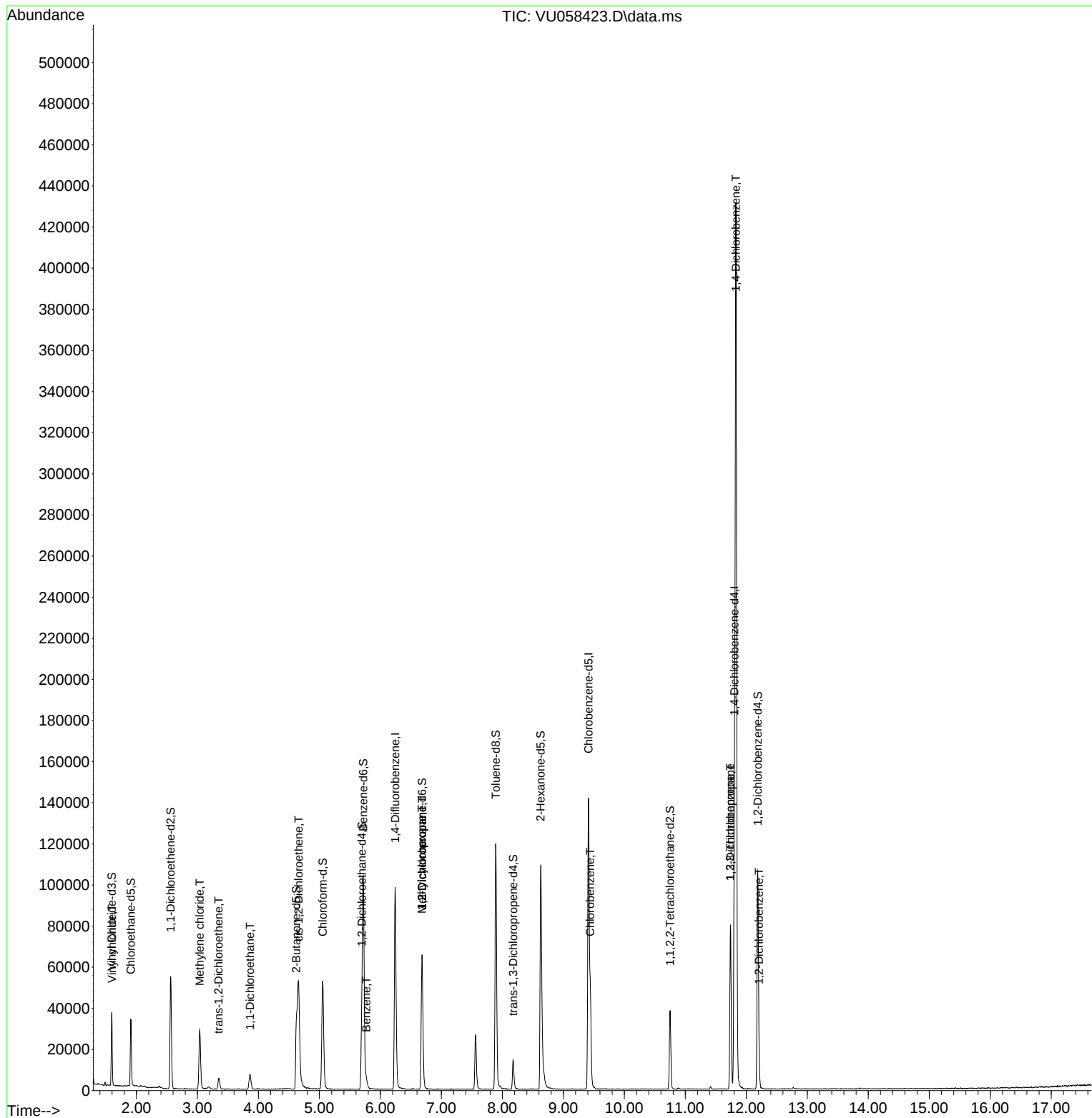
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	77668	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	75986	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	35086	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	23001	4.473	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.400%
7) Chloroethane-d5	1.907	69	22072	4.939	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.800%
11) 1,1-Dichloroethene-d2	2.560	65	10444	4.487	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.800%
20) 2-Butanone-d5	4.621	46	54410	50.210	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.420%
24) Chloroform-d	5.052	84	49289	4.802	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
26) 1,2-Dichloroethane-d4	5.695	65	23878	4.984	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	5.718	84	97017	4.742	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	6.682	67	31282	4.876	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.600%
41) Toluene-d8	7.891	98	81032	4.467	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	8.177	79	8711	4.374	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.400%
46) 2-Hexanone-d5	8.627	63	38492	46.862	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.720%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	20296	4.481	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	27648	4.679	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	1946	0.246	ug/L #	80
16) Methylene chloride	3.036	84	12783	1.750	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	2350	0.407	ug/L	93
19) 1,1-Dichloroethane	3.862	63	9392	0.746	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	22304	3.443	ug/L	97
33) Benzene	5.769	78	3956	0.144	ug/L	100
35) Methylcyclohexane	6.679	83	6593	0.630	ug/L #	16
37) 1,2-Dichloropropane	6.682	63	3590	0.495	ug/L #	90
51) Chlorobenzene	9.441	112	23855	1.365	ug/L	96
61) 1,2,3-Trichloropropane	11.740	75	10637	2.971	ug/L #	51
64) 1,3-Dichlorobenzene	11.740	146	31349	2.513	ug/L	96
65) 1,4-Dichlorobenzene	11.830	146	161360	13.274	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	2090	0.184	ug/L #	92

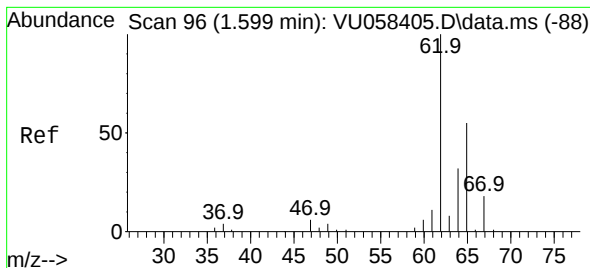
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.246 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.000 min

Lab File: VU058423.D

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Instrument :

MSVOA_U

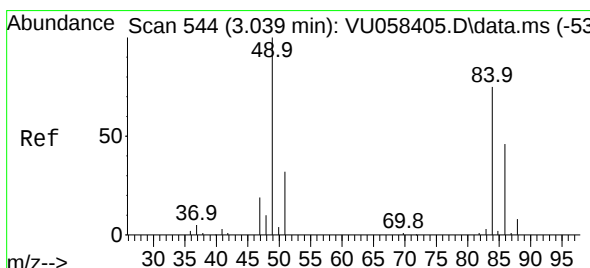
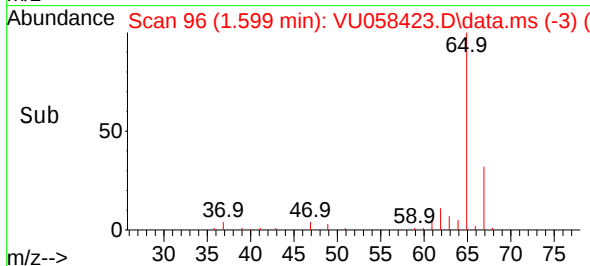
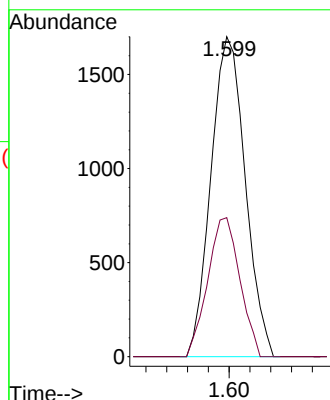
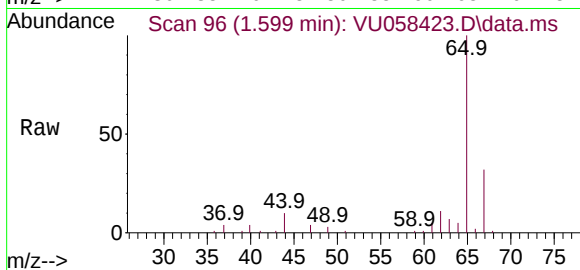
ClientSampleId :

Tgt Ion: 62 Resp: 1946

Ion Ratio Lower Upper

62 100

64 43.4 22.6 42.0#



#16

Methylene chloride

Concen: 1.750 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU058423.D

Acq: 05 Apr 2024 16:46

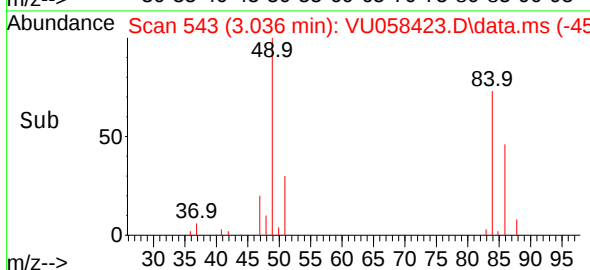
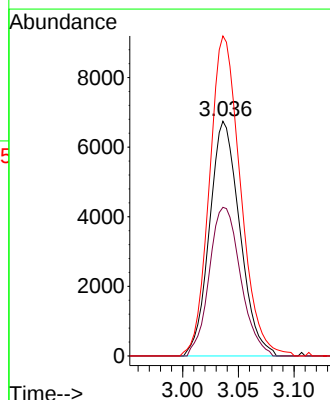
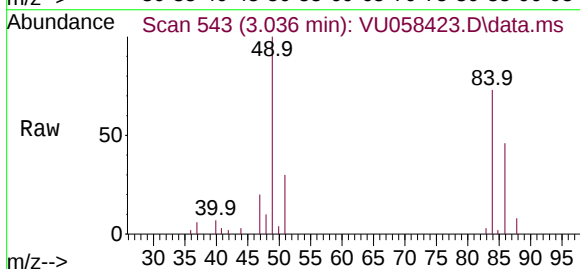
Tgt Ion: 84 Resp: 12783

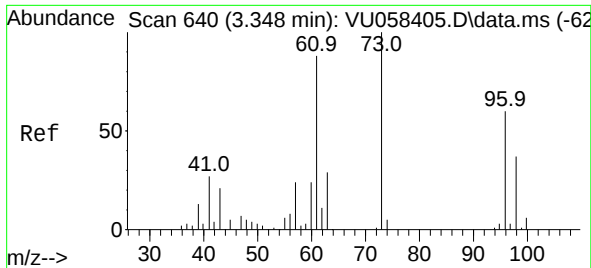
Ion Ratio Lower Upper

84 100

86 63.3 44.3 82.3

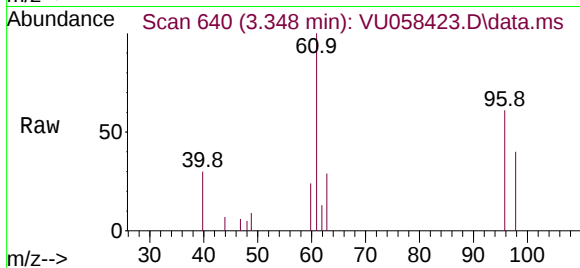
49 136.3 96.0 178.2



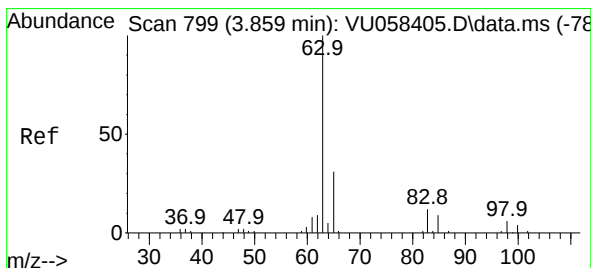
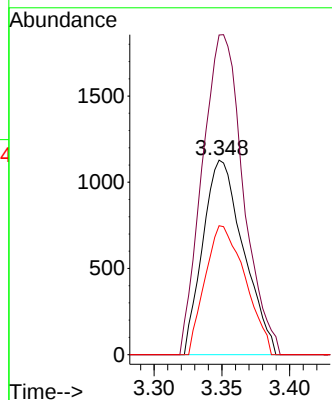
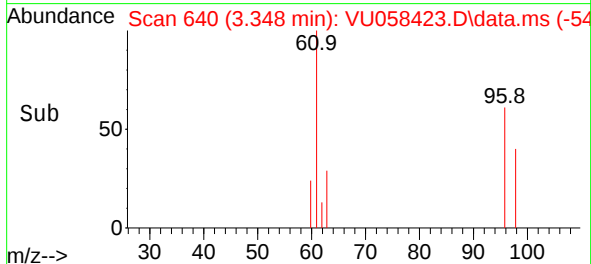


#18
trans-1,2-Dichloroethene
Concen: 0.407 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU058423.D
Acq: 05 Apr 2024 16:46

Instrument :
MSVOA_U
ClientSampleId :

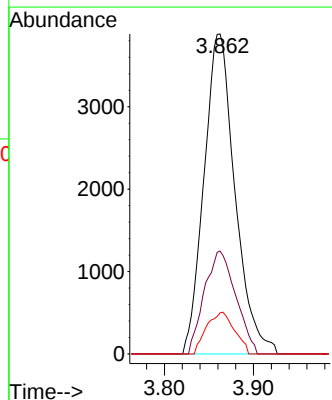
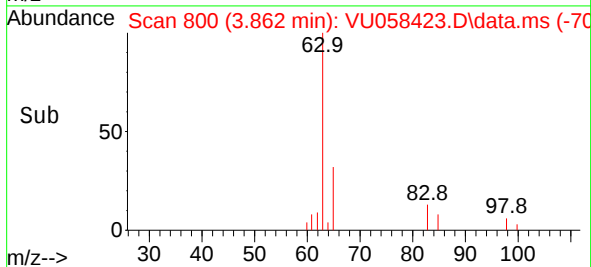
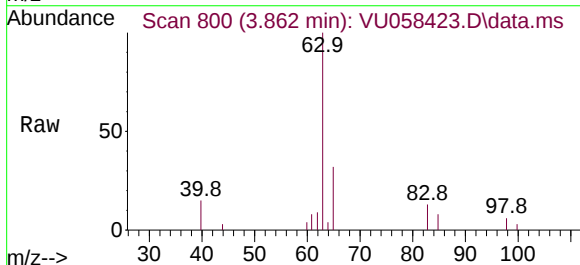


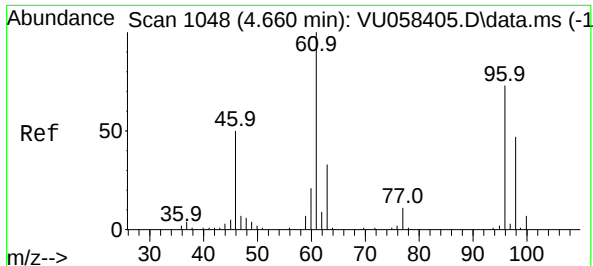
Tgt Ion: 96 Resp: 2350
Ion Ratio Lower Upper
96 100
61 164.4 107.6 199.8
98 66.3 45.1 83.7



#19
1,1-Dichloroethane
Concen: 0.746 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU058423.D
Acq: 05 Apr 2024 16:46

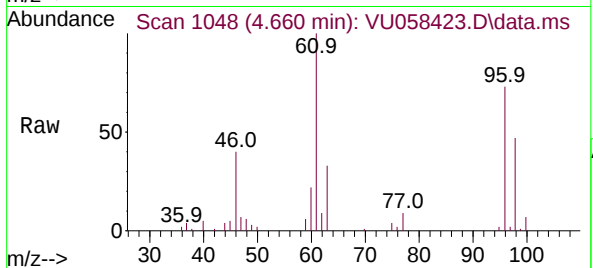
Tgt Ion: 63 Resp: 9392
Ion Ratio Lower Upper
63 100
65 32.2 22.9 42.5
83 12.8 9.6 17.8





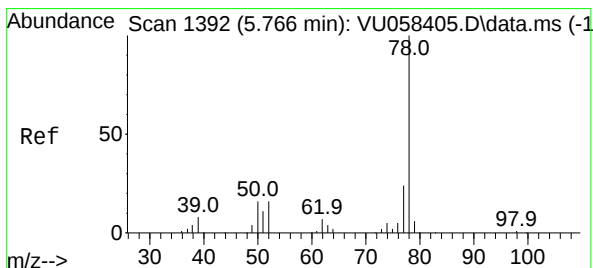
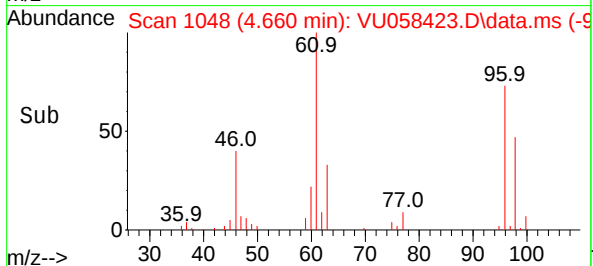
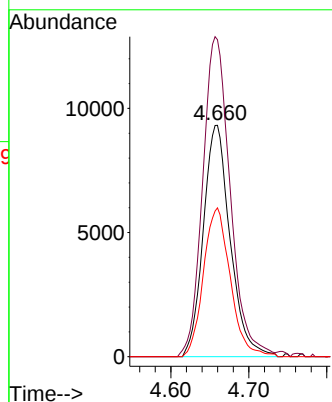
#22
 cis-1,2-Dichloroethene
 Concen: 3.443 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU058423.D
 Acq: 05 Apr 2024 16:46

Instrument :
 MSVOA_U
 ClientSampleId :



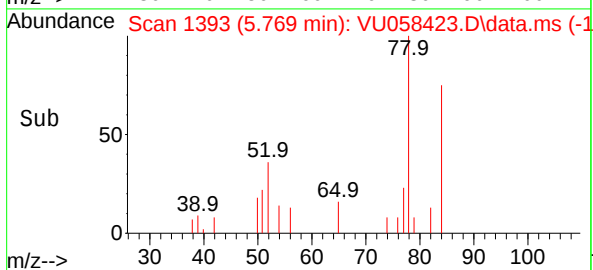
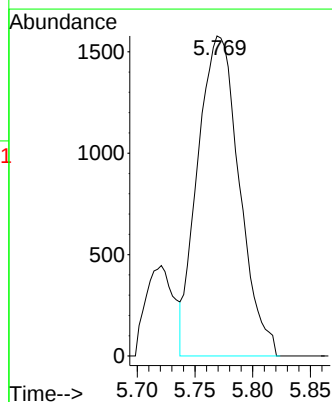
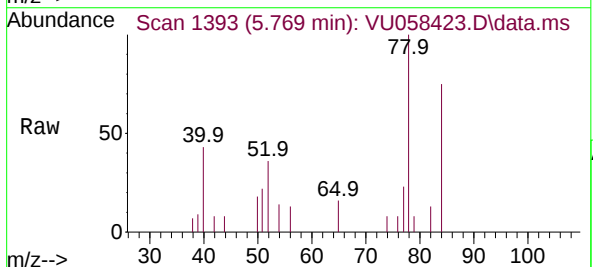
Tgt Ion: 96 Resp: 22304

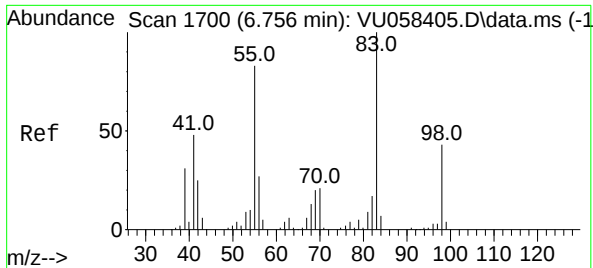
Ion	Ratio	Lower	Upper
96	100		
61	137.0	98.1	182.3
98	64.3	43.6	81.0



#33
 Benzene
 Concen: 0.144 ug/L
 RT: 5.769 min Scan# 1393
 Delta R.T. 0.003 min
 Lab File: VU058423.D
 Acq: 05 Apr 2024 16:46

Tgt Ion: 78 Resp: 3956





#35

Methylcyclohexane

Concen: 0.630 ug/L

RT: 6.679 min Scan# 1

Delta R.T. -0.077 min

Lab File: VU058423.D

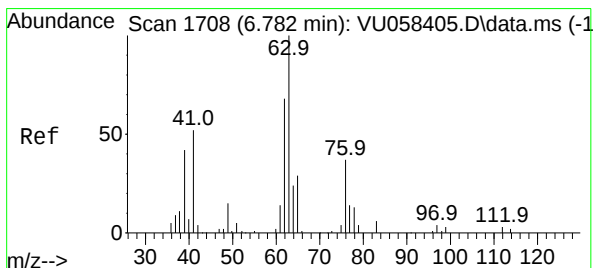
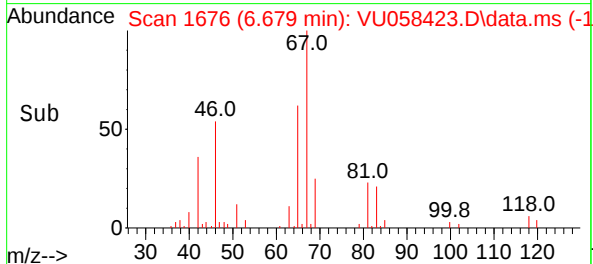
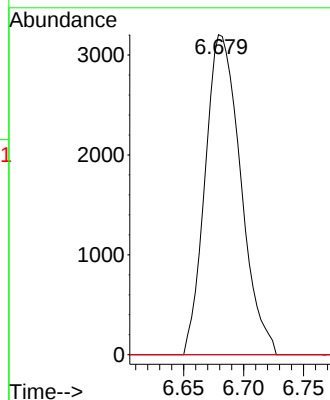
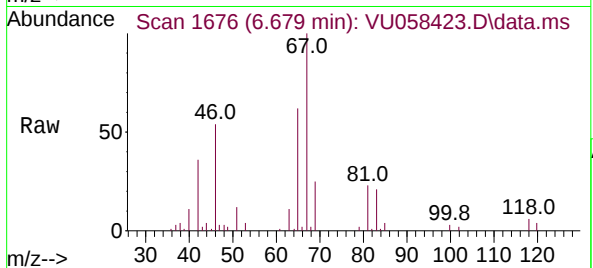
Acq: 05 Apr 2024 16:46

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	6593
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: 0.495 ug/L

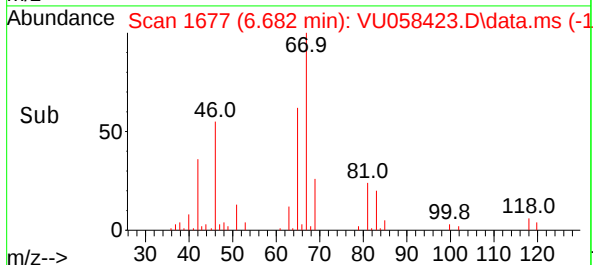
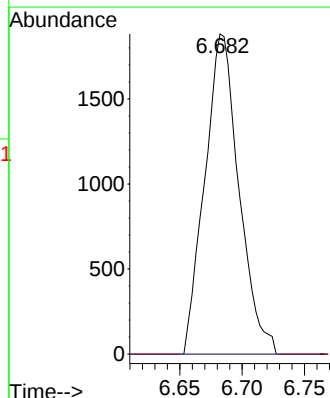
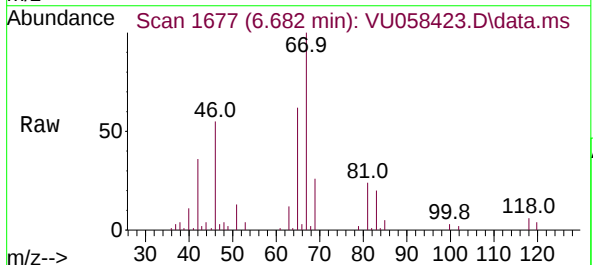
RT: 6.682 min Scan# 1677

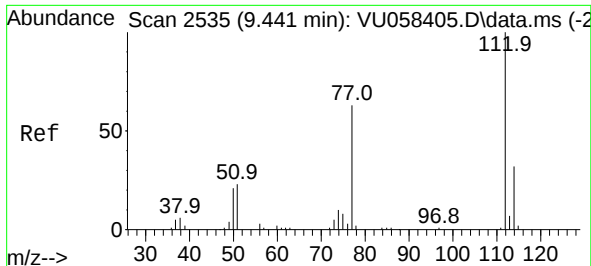
Delta R.T. -0.100 min

Lab File: VU058423.D

Acq: 05 Apr 2024 16:46

Tgt Ion:	63	Resp:	3590
Ion Ratio	Lower	Upper	
63	100		
112	0.0	2.6	4.0#





#51

Chlorobenzene

Concen: 1.365 ug/L

RT: 9.441 min Scan# 2

Delta R.T. -0.000 min

Lab File: VU058423.D

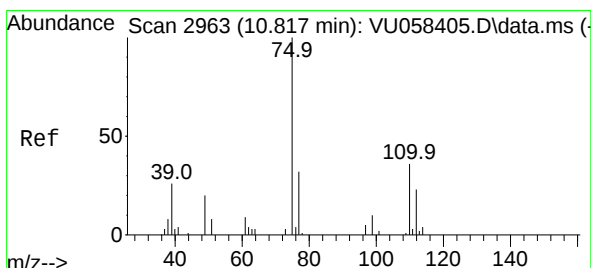
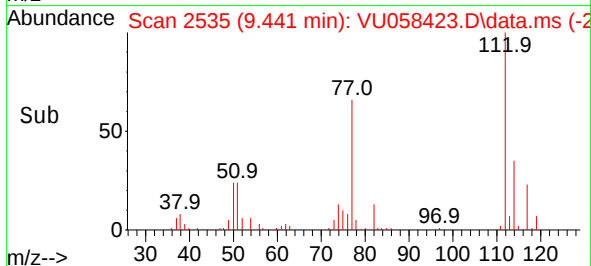
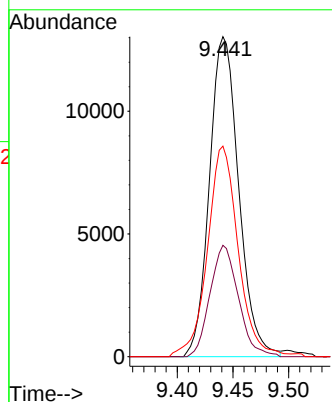
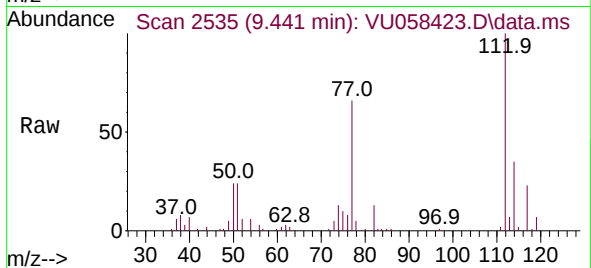
Acq: 05 Apr 2024 16:46

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	112	Resp:	23855
Ion Ratio	Lower	Upper	
112	100		
114	34.8	22.4	41.6
77	65.8	50.1	75.1



#61

1,2,3-Trichloropropane

Concen: 2.971 ug/L

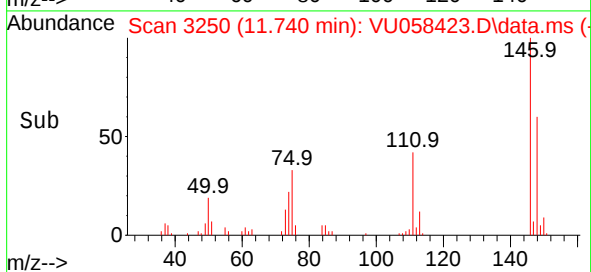
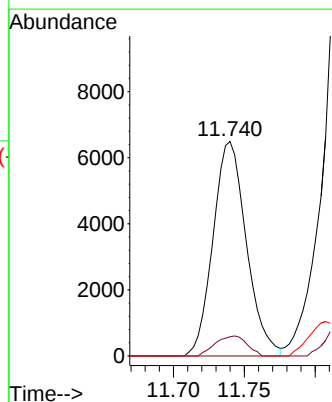
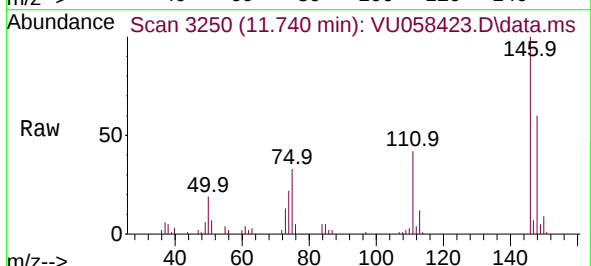
RT: 11.740 min Scan# 3250

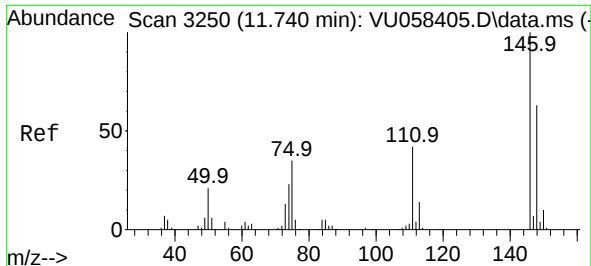
Delta R.T. 0.923 min

Lab File: VU058423.D

Acq: 05 Apr 2024 16:46

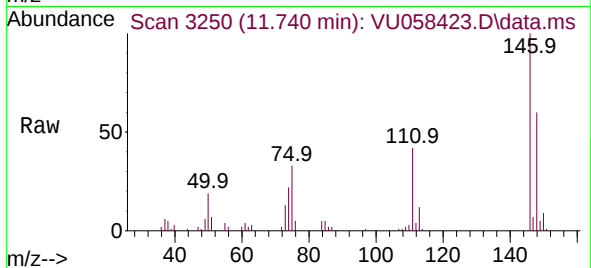
Tgt Ion:	75	Resp:	10637
Ion Ratio	Lower	Upper	
75	100		
110	8.8	25.8	38.6#
77	0.0	25.1	37.7#



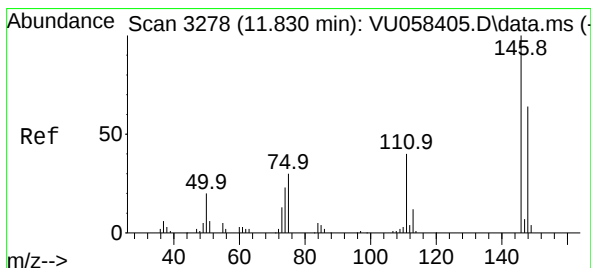
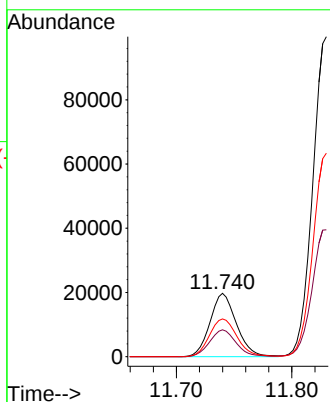
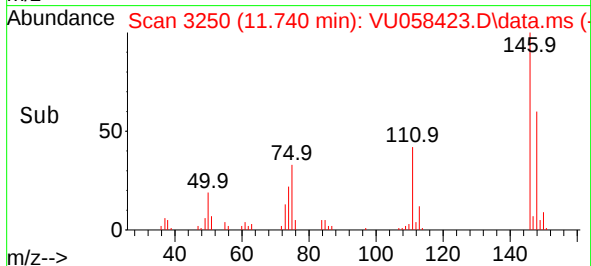


#64
1,3-Dichlorobenzene
Concen: 2.513 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU058423.D
Acq: 05 Apr 2024 16:46

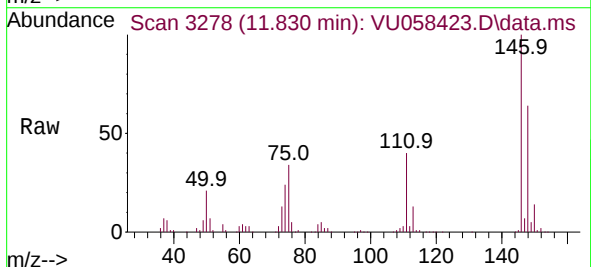
Instrument :
MSVOA_U
ClientSampleId :



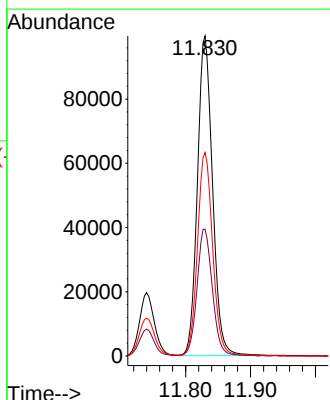
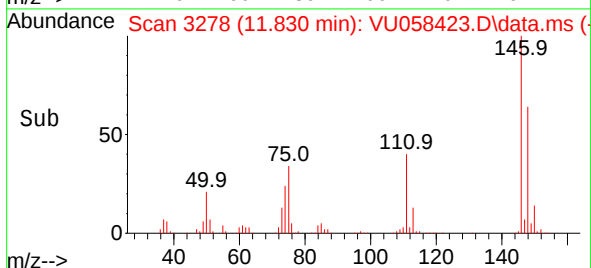
Tgt Ion:146 Resp: 31349
Ion Ratio Lower Upper
146 100
111 42.4 28.8 53.4
148 59.7 44.9 83.3

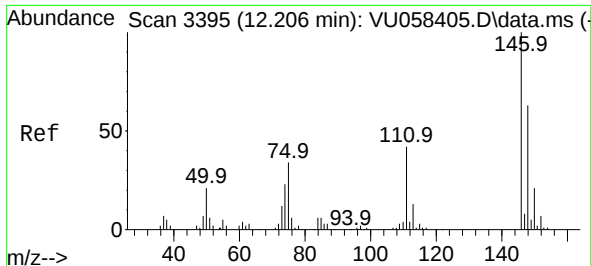


#65
1,4-Dichlorobenzene
Concen: 13.274 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU058423.D
Acq: 05 Apr 2024 16:46



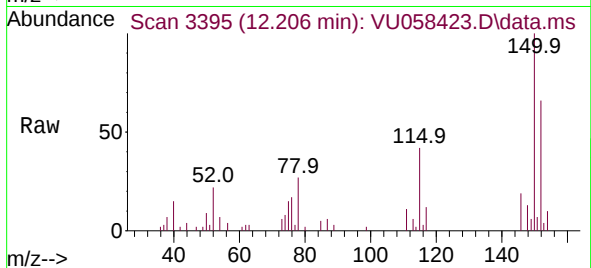
Tgt Ion:146 Resp: 161360
Ion Ratio Lower Upper
146 100
111 39.7 28.8 53.6
148 63.6 45.3 84.1





#67
 1,2-Dichlorobenzene
 Concen: 0.184 ug/L
 RT: 12.206 min Scan# 34
 Delta R.T. -0.000 min
 Lab File: VU058423.D
 Acq: 05 Apr 2024 16:46

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:146 Resp: 2090
 Ion Ratio Lower Upper
 146 100
 111 55.7 35.0 52.4#
 148 66.6 52.5 78.7

