

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040424\
 Data File : VU058383.D
 Acq On : 04 Apr 2024 22:23
 Operator : MD/SY
 Sample : P1925-14 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 05 00:05:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 05 00:02:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	85036	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	80977	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	35576	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	27704	4.921	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.400%
7) Chloroethane-d5	1.907	69	25225	5.156	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.200%
11) 1,1-Dichloroethene-d2	2.563	65	12449	4.885	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.800%
20) 2-Butanone-d5	4.624	46	61533	51.863	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.720%
24) Chloroform-d	5.052	84	55202	4.912	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
26) 1,2-Dichloroethane-d4	5.692	65	27620	5.266	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.400%
32) Benzene-d6	5.717	84	108160	4.961	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
36) 1,2-Dichloropropane-d6	6.682	67	35193	5.147	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.000%
41) Toluene-d8	7.891	98	90402	4.676	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	8.177	79	10037	4.729	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.600%
46) 2-Hexanone-d5	8.627	63	41459	47.363	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.720%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	22239	4.608	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	29093	4.855	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.200%

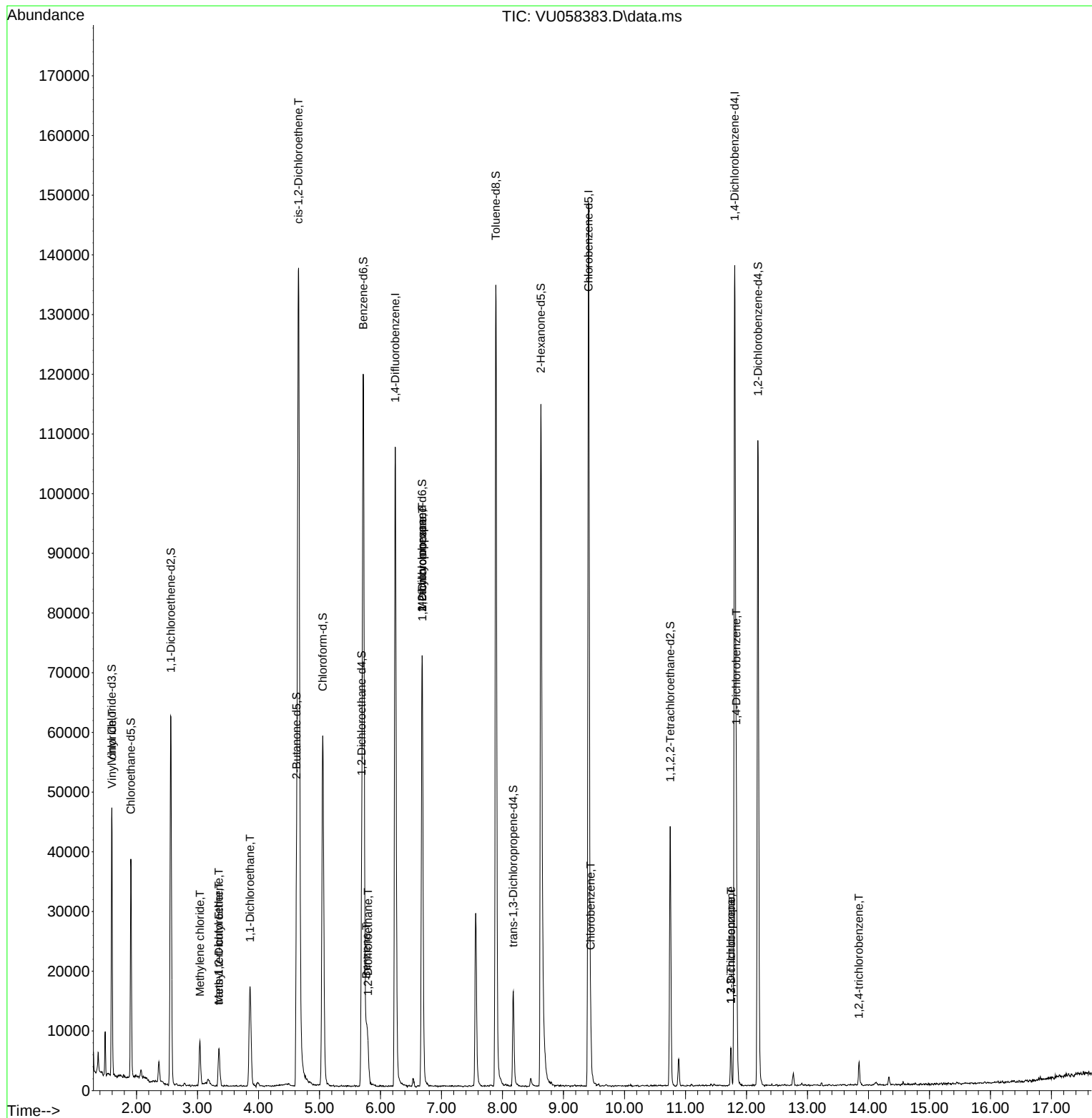
Target Compounds					Qvalue	
5) Vinyl chloride	1.599	62	4118	0.475	ug/L	92
16) Methylene chloride	3.039	84	3178	0.397	ug/L	97
17) Methyl tert-butyl Ether	3.351	73	1299	0.091	ug/L #	65
18) trans-1,2-Dichloroethene	3.348	96	2464	0.390	ug/L	96
19) 1,1-Dichloroethane	3.862	63	20371	1.478	ug/L	97
22) cis-1,2-Dichloroethene	4.656	96	63387	8.937	ug/L	100
27) 1,2-Dichloroethane	5.795	62	4995	0.615	ug/L	97
33) Benzene	5.769	78	7241	0.247	ug/L	100
35) Methylcyclohexane	6.682	83	7397	0.664	ug/L #	16
37) 1,2-Dichloropropane	6.685	63	3693	0.478	ug/L #	90
51) Chlorobenzene	9.444	112	4536	0.243	ug/L	96
61) 1,2,3-Trichloropropane	11.743	75	891	0.245	ug/L #	43
64) 1,3-Dichlorobenzene	11.746	146	3023	0.239	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	17379	1.410	ug/L	98
70) 1,2,4-trichlorobenzene	13.843	180	1606	0.223	ug/L #	91

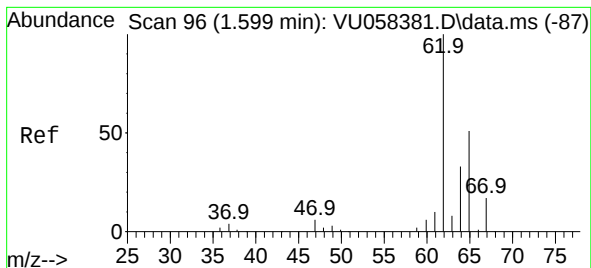
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.475 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.000 min

Lab File: VU058383.D

Acq: 04 Apr 2024 22:23

Instrument :

MSVOA_U

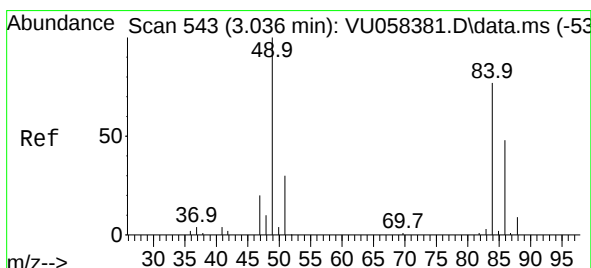
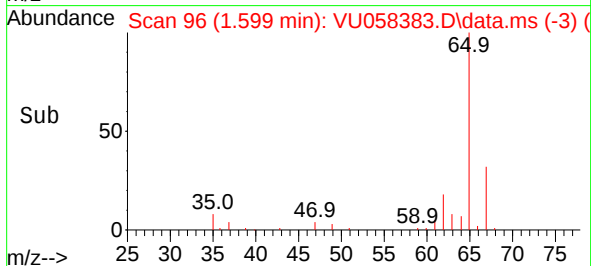
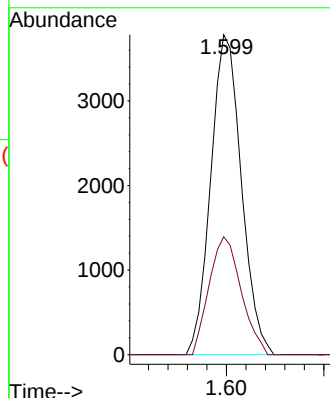
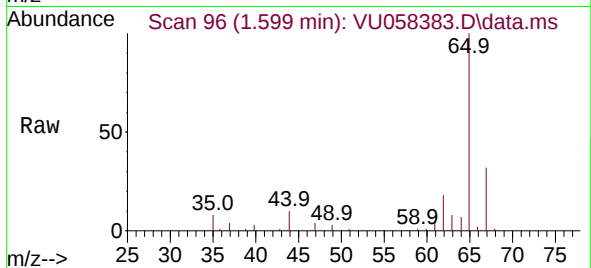
ClientSampleId :

Tgt Ion: 62 Resp: 4118

Ion Ratio Lower Upper

62 100

64 36.8 22.6 42.0



#16

Methylene chloride

Concen: 0.397 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.003 min

Lab File: VU058383.D

Acq: 04 Apr 2024 22:23

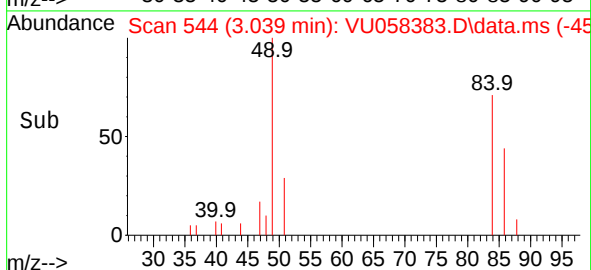
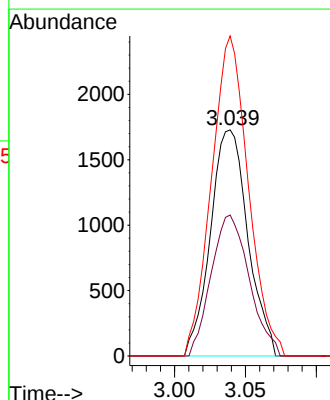
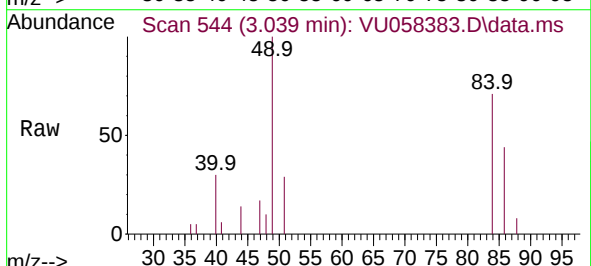
Tgt Ion: 84 Resp: 3178

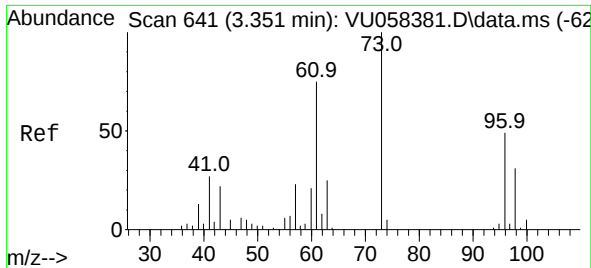
Ion Ratio Lower Upper

84 100

86 62.4 44.3 82.3

49 141.6 96.0 178.2

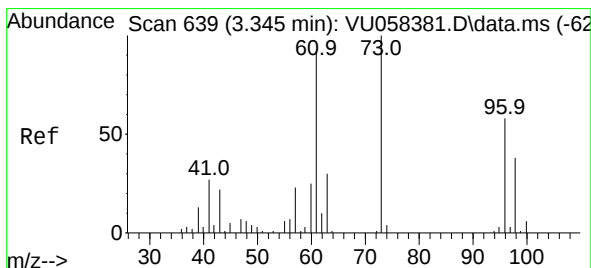
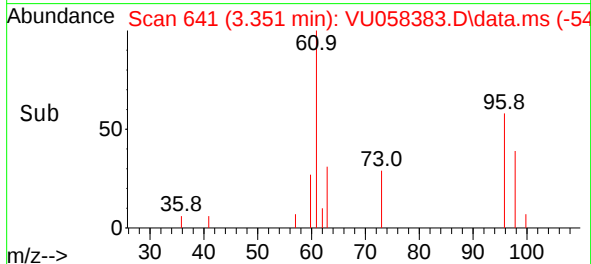
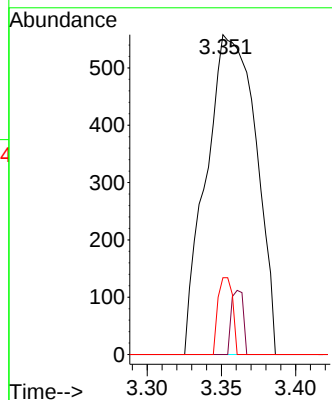
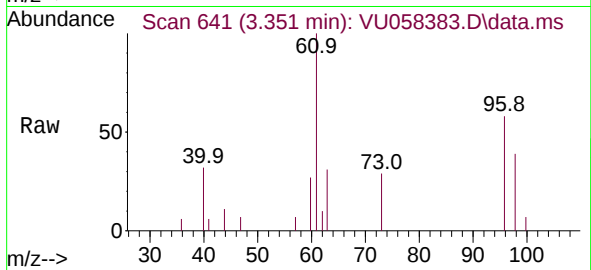




#17
Methyl tert-butyl Ether
Concen: 0.091 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU058383.D
Acq: 04 Apr 2024 22:23

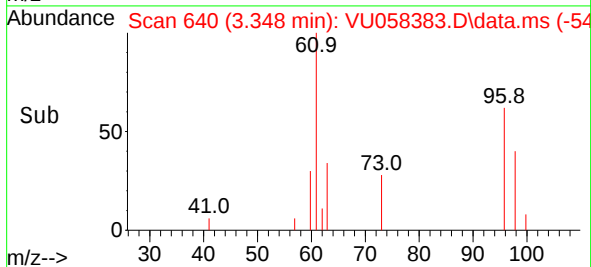
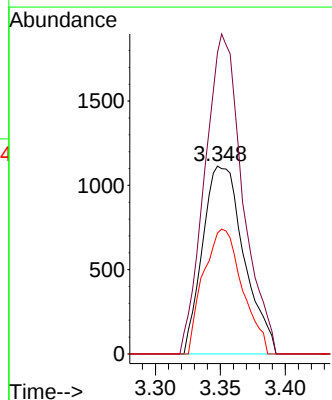
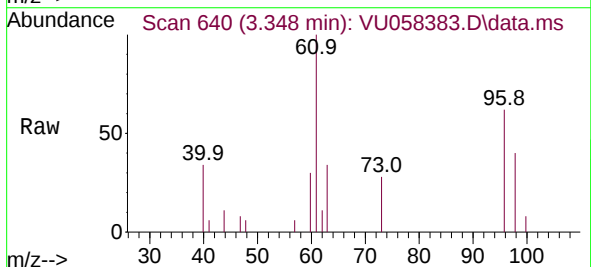
Instrument :
MSVOA_U
ClientSampleId :

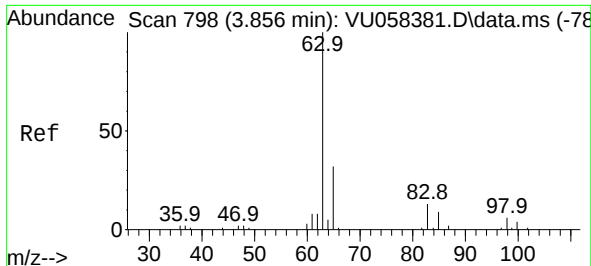
Tgt Ion: 73 Resp: 1299
Ion Ratio Lower Upper
73 100
43 4.8 17.4 26.2#
57 7.0 18.6 27.8#



#18
trans-1,2-Dichloroethene
Concen: 0.390 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU058383.D
Acq: 04 Apr 2024 22:23

Tgt Ion: 96 Resp: 2464
Ion Ratio Lower Upper
96 100
61 160.4 107.6 199.8
98 64.4 45.1 83.7





#19

1,1-Dichloroethane

Concen: 1.478 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.006 min

Lab File: VU058383.D

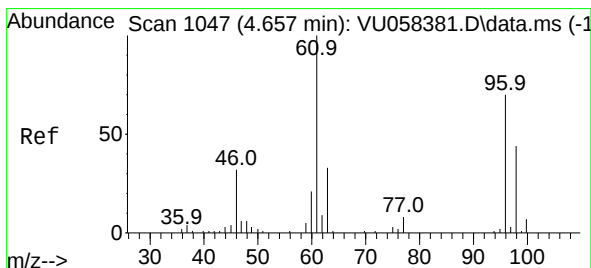
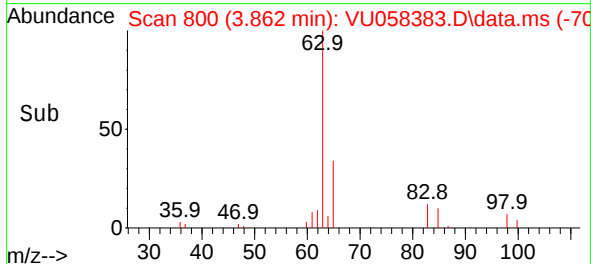
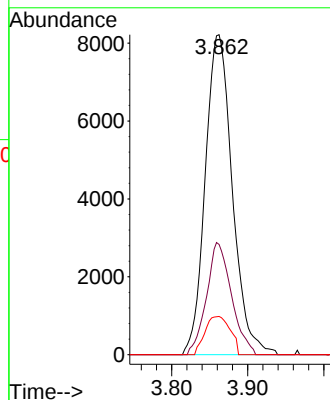
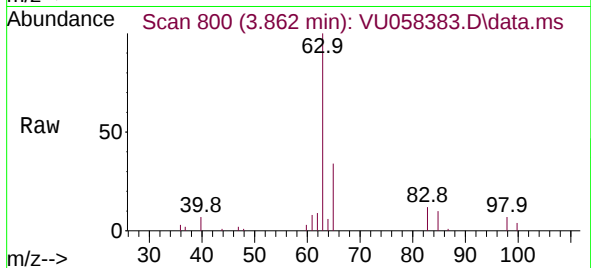
Acq: 04 Apr 2024 22:23

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 20371
Ion Ratio	Lower Upper
63	100
65	34.4 22.9 42.5
83	12.0 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 8.937 ug/L

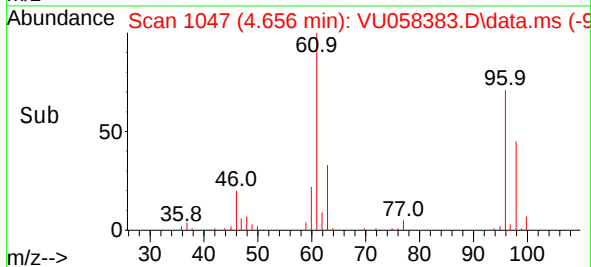
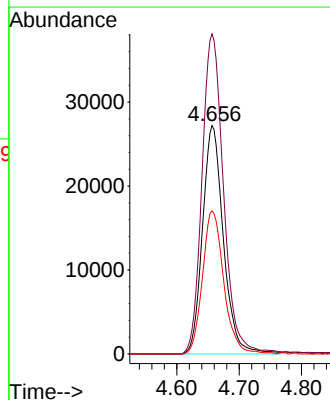
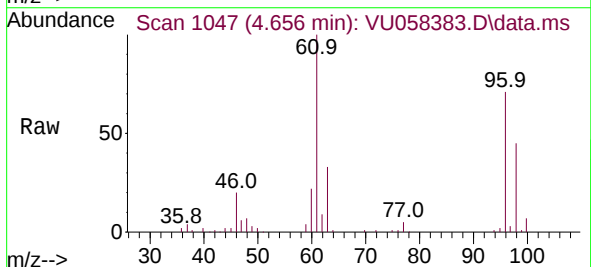
RT: 4.656 min Scan# 1047

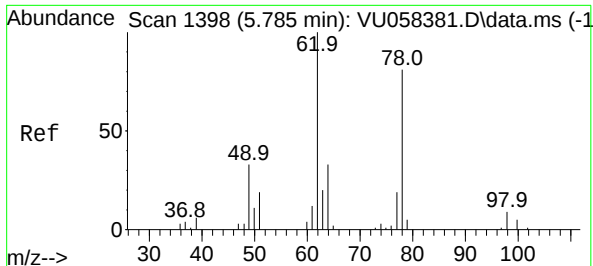
Delta R.T. -0.000 min

Lab File: VU058383.D

Acq: 04 Apr 2024 22:23

Tgt Ion: 96	Resp: 63387
Ion Ratio	Lower Upper
96	100
61	140.2 98.1 182.3
98	62.7 43.6 81.0

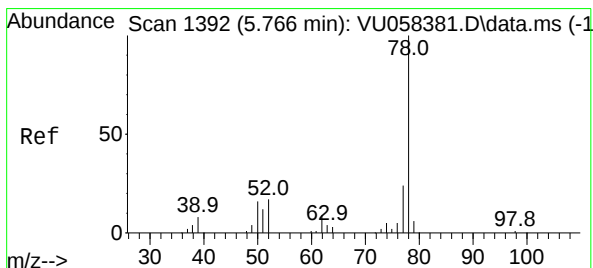
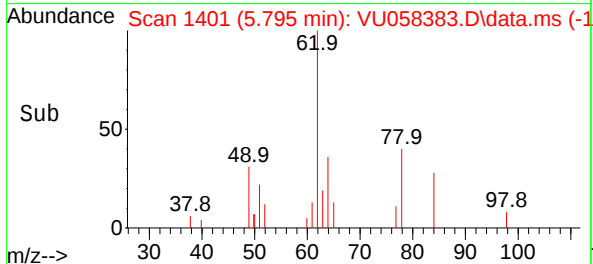
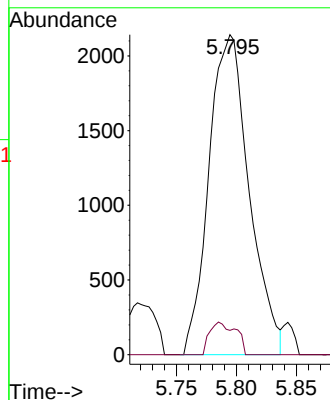
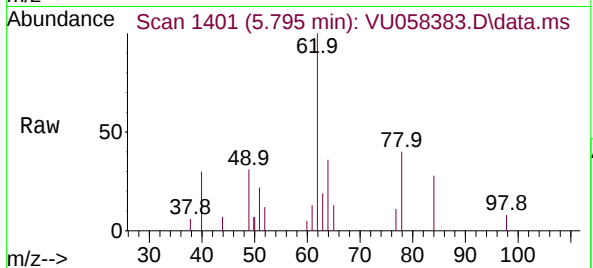




#27
1,2-Dichloroethane
Concen: 0.615 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.009 min
Lab File: VU058383.D
Acq: 04 Apr 2024 22:23

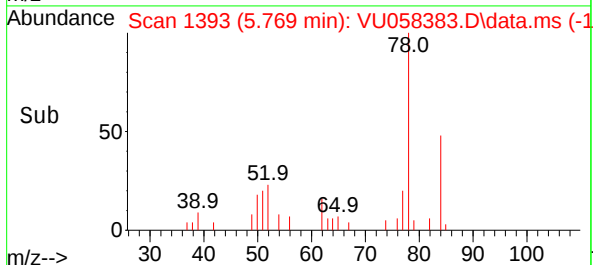
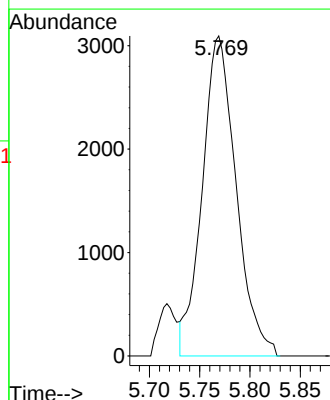
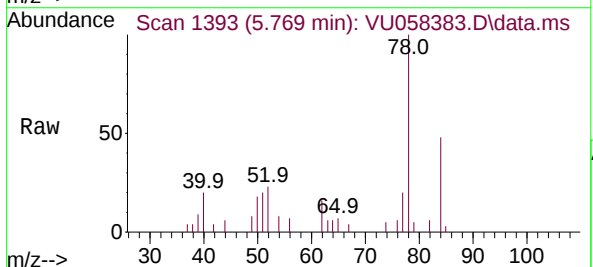
Instrument :
MSVOA_U
ClientSampleId :

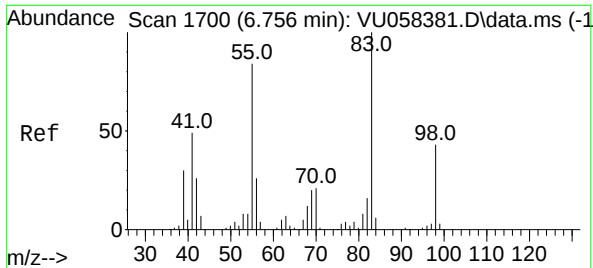
Tgt Ion: 62 Resp: 4995
Ion Ratio Lower Upper
62 100
98 7.6 7.0 10.4



#33
Benzene
Concen: 0.247 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU058383.D
Acq: 04 Apr 2024 22:23

Tgt Ion: 78 Resp: 7241

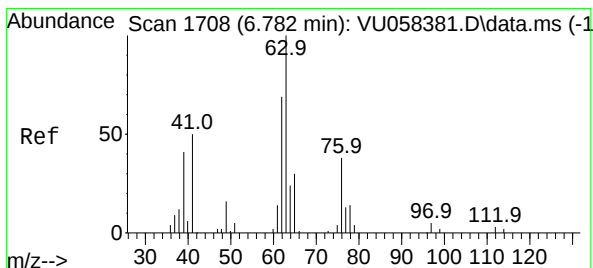
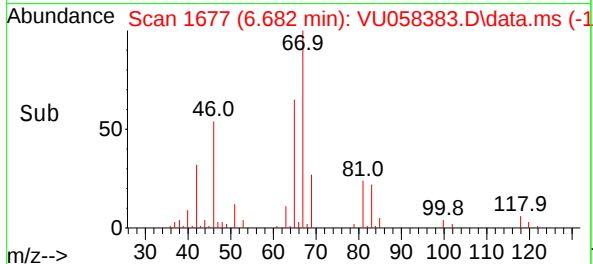
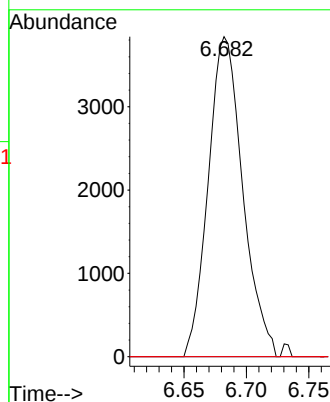
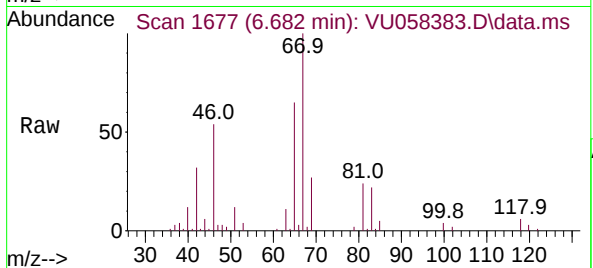




#35
Methylcyclohexane
Concen: 0.664 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU058383.D
Acq: 04 Apr 2024 22:23

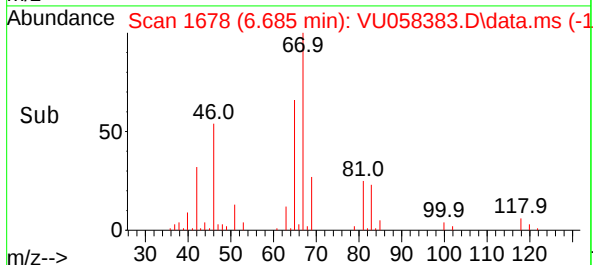
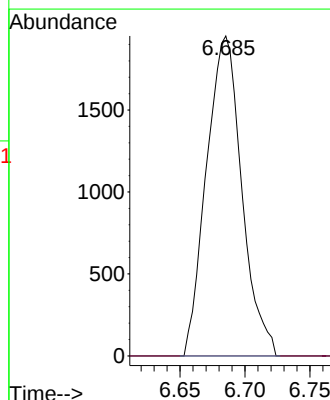
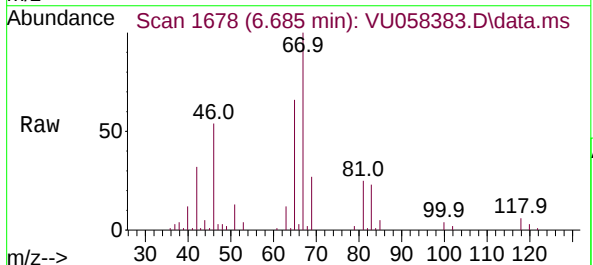
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MSVOA_U
ClientSampleId :

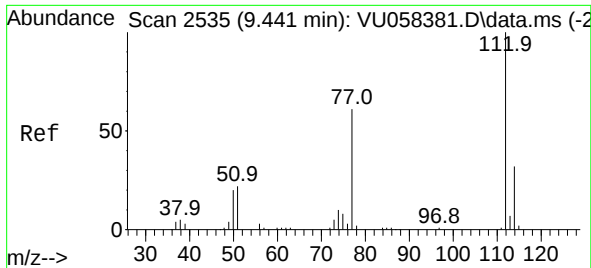
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	66.2	99.4#
98	0.0	34.6	52.0#



#37
1,2-Dichloropropane
Concen: 0.478 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.097 min
Lab File: VU058383.D
Acq: 04 Apr 2024 22:23

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

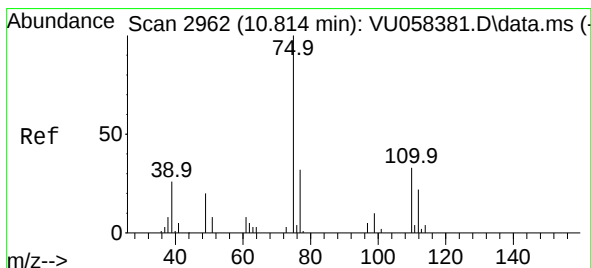
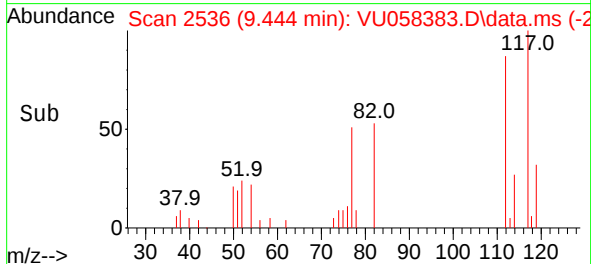
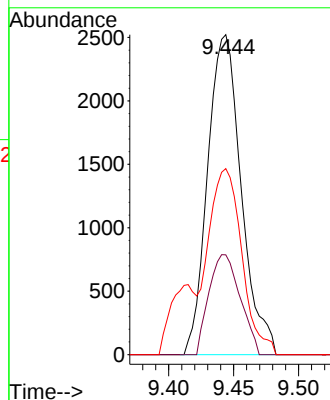
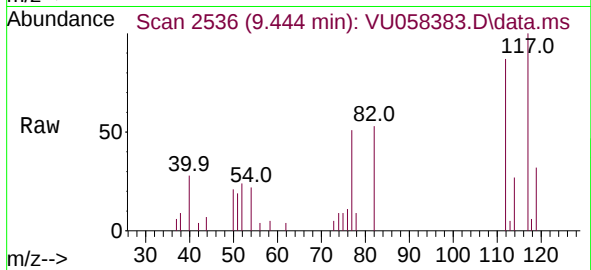




#51
Chlorobenzene
Concen: 0.243 ug/L
RT: 9.444 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU058383.D
Acq: 04 Apr 2024 22:23

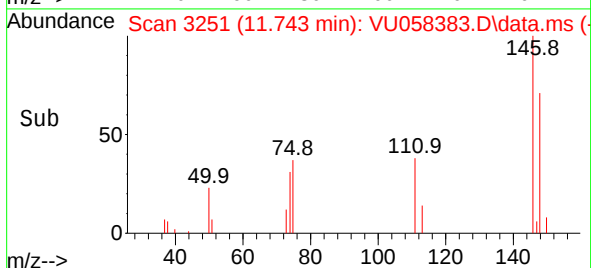
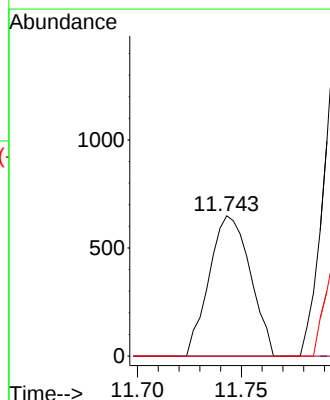
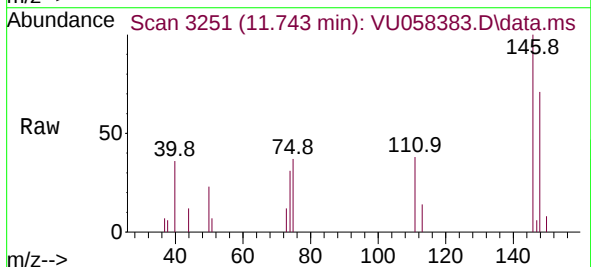
Instrument :
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ClientSampleId :

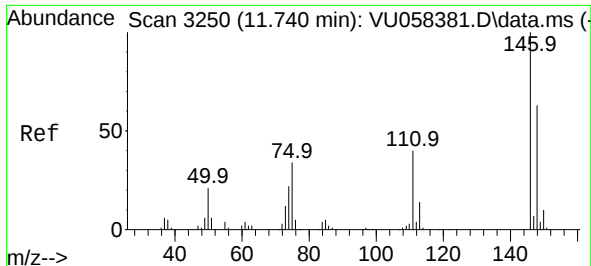
Tgt Ion:	112	Resp:	4536
Ion Ratio	Lower	Upper	
112	100		
114	31.2	22.4	41.6
77	58.2	50.1	75.1



#61
1,2,3-Trichloropropane
Concen: 0.245 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.929 min
Lab File: VU058383.D
Acq: 04 Apr 2024 22:23

Tgt Ion:	75	Resp:	891
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: 0.239 ug/L

RT: 11.746 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU058383.D

Acq: 04 Apr 2024 22:23

Instrument :

MSVOA_U

ClientSampleId :

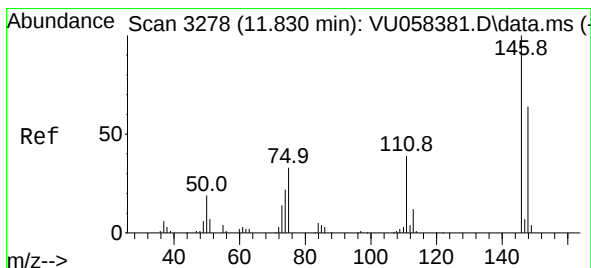
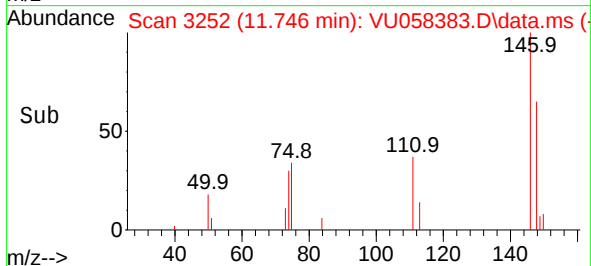
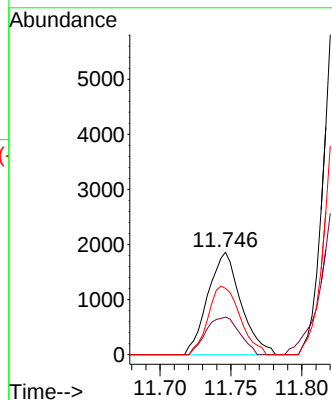
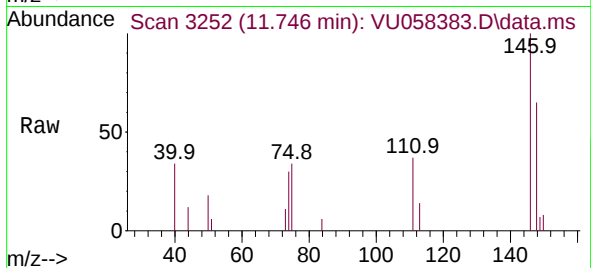
Tgt Ion:146 Resp: 3023

Ion Ratio Lower Upper

146 100

111 36.8 28.8 53.4

148 64.8 44.9 83.3



#65

1,4-Dichlorobenzene

Concen: 1.410 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU058383.D

Acq: 04 Apr 2024 22:23

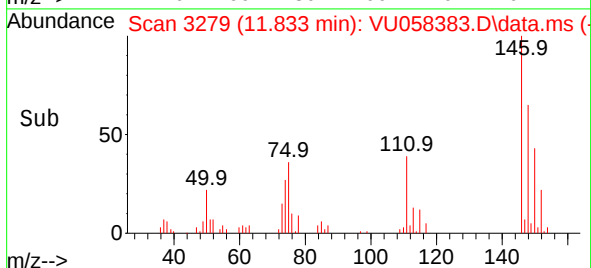
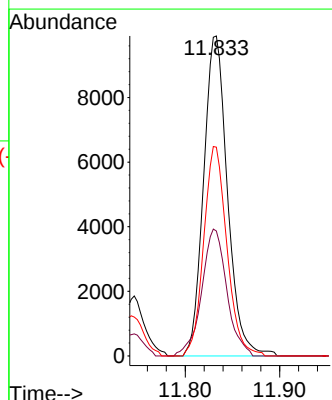
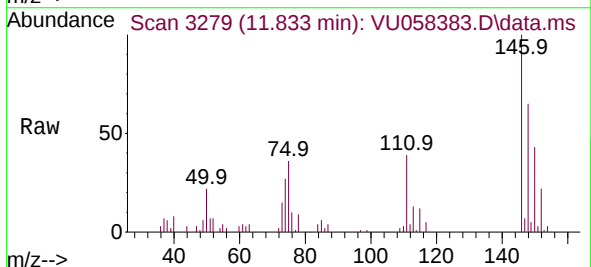
Tgt Ion:146 Resp: 17379

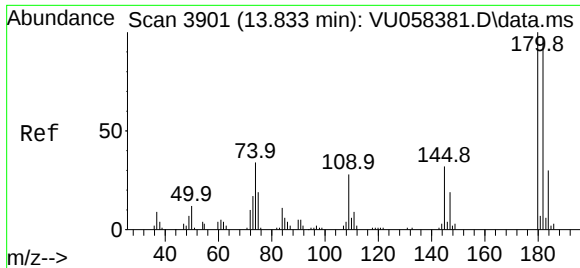
Ion Ratio Lower Upper

146 100

111 39.0 28.8 53.6

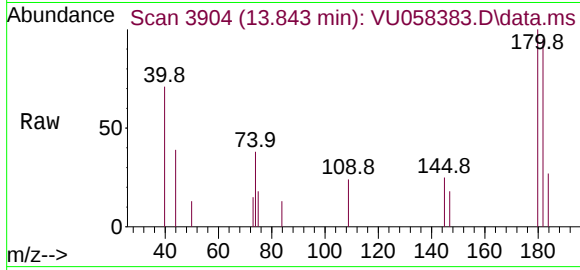
148 65.3 45.3 84.1





#70
 1,2,4-trichlorobenzene
 Concen: 0.223 ug/L
 RT: 13.843 min Scan# 3904
 Delta R.T. 0.009 min
 Lab File: VU058383.D
 Acq: 04 Apr 2024 22:23

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 1606
 Ion Ratio Lower Upper
 180 100
 182 97.8 74.4 111.6
 145 19.5 24.1 36.1#

