

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100323\
 Data File : VU055641.D
 Acq On : 03 Oct 2023 15:19
 Operator : MD/SY
 Sample : 04679-25DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 04 04:43:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 04 04:40:48 2023
 Response via : Initial Calibration

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

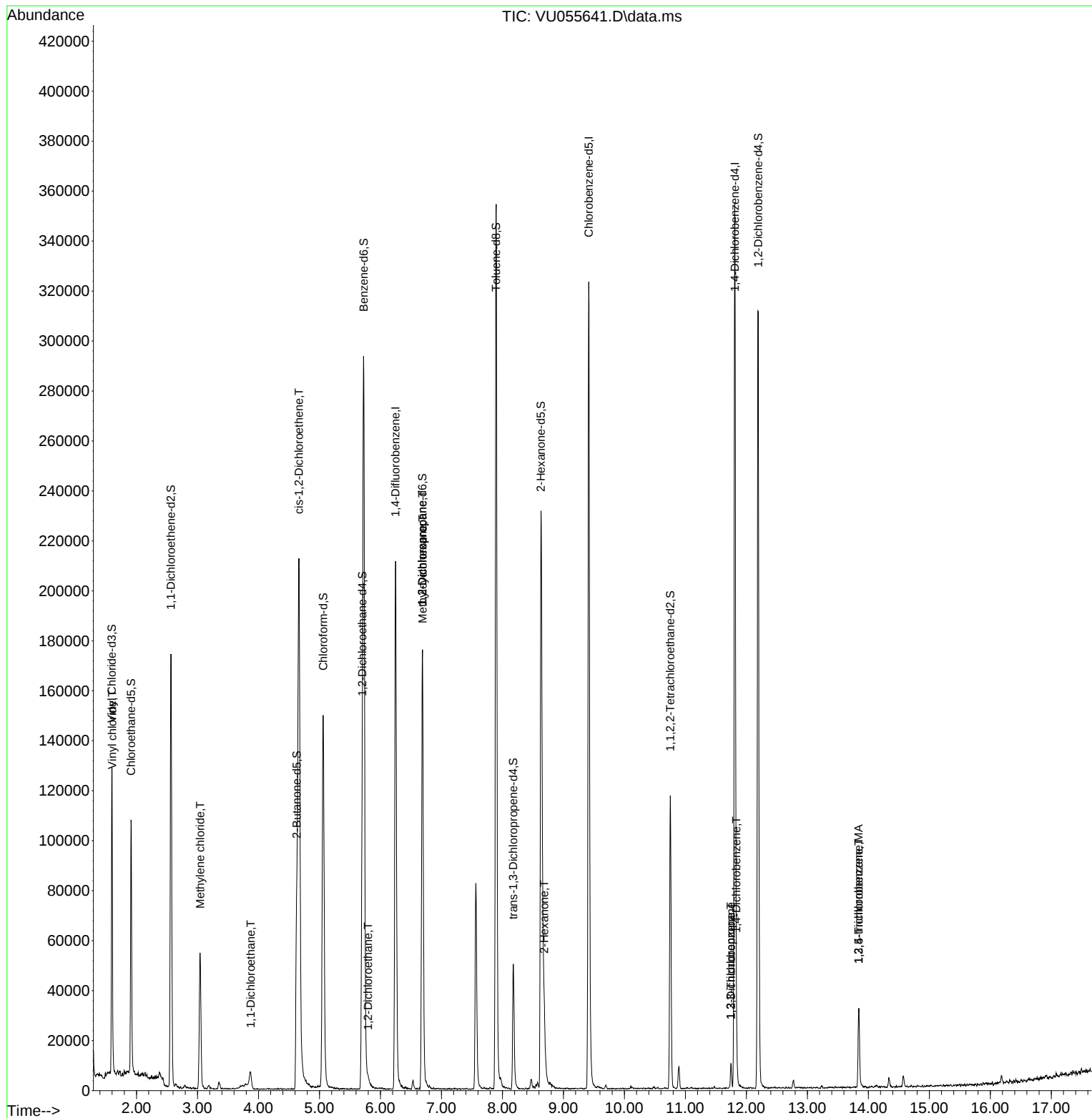
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	172973	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	181457	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	93278	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	86271	4.935	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.600%
7) Chloroethane-d5	1.911	69	69958	4.541	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.800%
11) 1,1-Dichloroethene-d2	2.563	65	33772	4.693	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.800%
20) 2-Butanone-d5	4.628	46	131446	41.627	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.260%
24) Chloroform-d	5.062	84	142695	4.513	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	5.701	65	66640	4.381	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
32) Benzene-d6	5.724	84	282880	4.457	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
36) 1,2-Dichloropropane-d6	6.689	67	85453	4.506	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.200%
41) Toluene-d8	7.898	98	244838	4.232	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.600%
43) trans-1,3-Dichloroprop...	8.177	79	29175	4.384	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.631	63	74098	36.605	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.220%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	61149	4.303	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	80254	4.263	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	2294	0.144	ug/L #	14
16) Methylene chloride	3.042	84	26763	1.847	ug/L	98
19) 1,1-Dichloroethane	3.872	63	6714	0.298	ug/L	91
22) cis-1,2-Dichloroethene	4.663	96	102013	7.218	ug/L	96
27) 1,2-Dichloroethane	5.795	62	2438	0.167	ug/L #	76
35) Methylcyclohexane	6.692	83	19653	0.924	ug/L #	20
37) 1,2-Dichloropropane	6.689	63	9230	0.676	ug/L #	89
48) 2-Hexanone	8.685	43	15887	3.308	ug/L #	81
61) 1,2,3-Trichloropropane	11.746	75	1484	0.204	ug/L #	40
64) 1,3-Dichlorobenzene	11.746	146	3679	0.143	ug/L	85
65) 1,4-Dichlorobenzene	11.836	146	5823	0.226	ug/L	93
69) 1,3,5-Trichlorobenzene	13.843	180	10367	0.585	ug/L	95
70) 1,2,4-trichlorobenzene	13.843	180	10404	0.770	ug/L	94

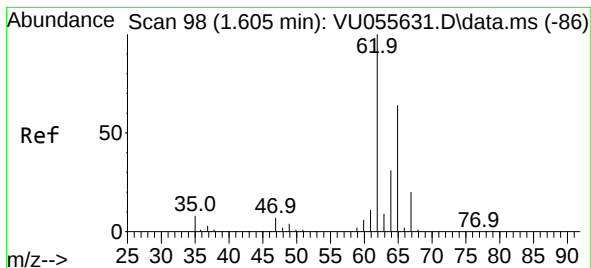
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.144 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.003 min

Lab File: VU055641.D

Acq: 03 Oct 2023 15:19

Instrument :

MSVOA_U

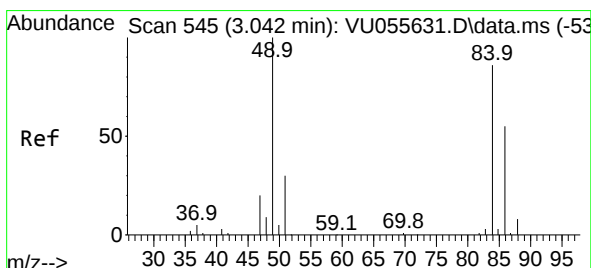
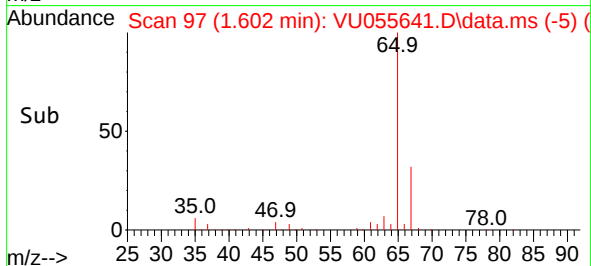
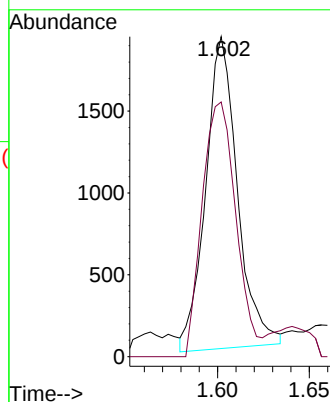
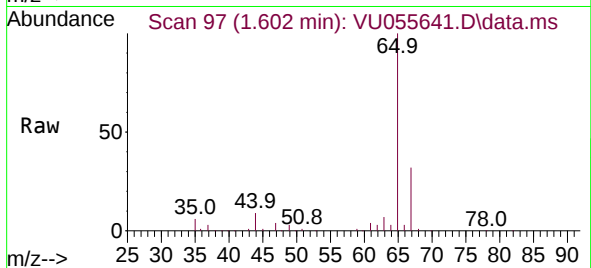
ClientSampleId :

Tgt Ion: 62 Resp: 2294

Ion Ratio Lower Upper

62 100

64 79.6 22.3 41.5#



#16

Methylene chloride

Concen: 1.847 ug/L

RT: 3.042 min Scan# 545

Delta R.T. 0.000 min

Lab File: VU055641.D

Acq: 03 Oct 2023 15:19

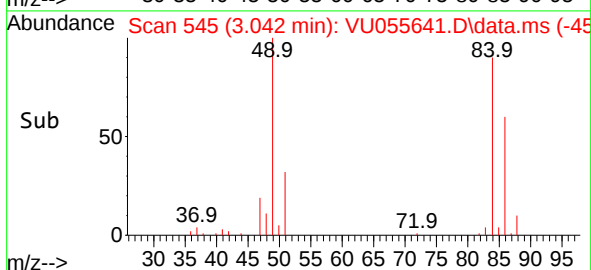
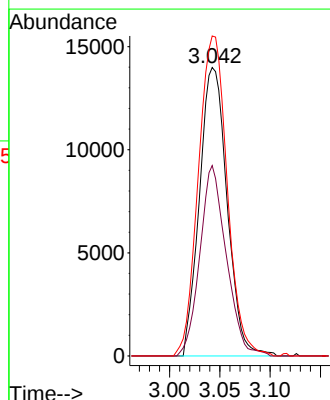
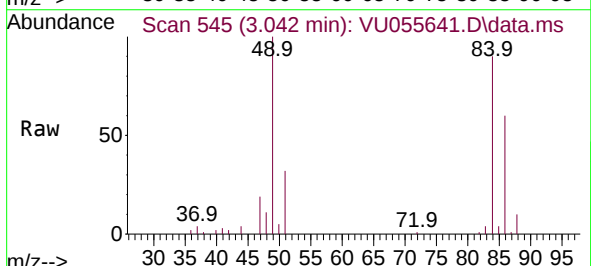
Tgt Ion: 84 Resp: 26763

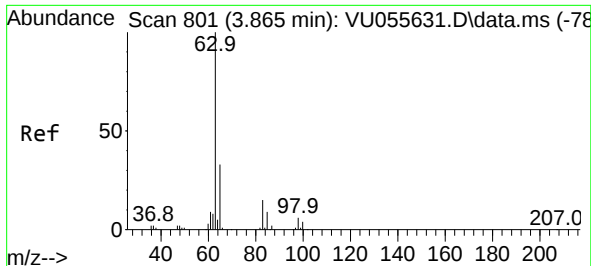
Ion Ratio Lower Upper

84 100

86 66.0 44.9 83.3

49 110.9 78.8 146.3





#19

1,1-Dichloroethane

Concen: 0.298 ug/L

RT: 3.872 min Scan# 801

Delta R.T. 0.007 min

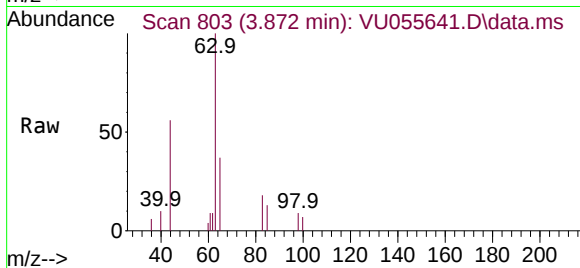
Lab File: VU055641.D

Acq: 03 Oct 2023 15:19

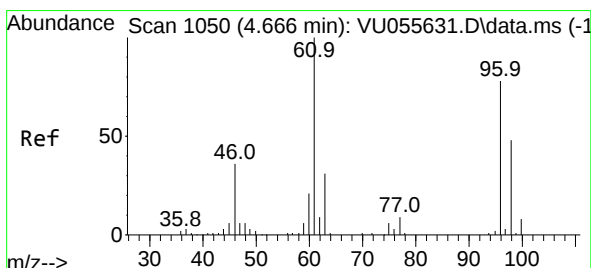
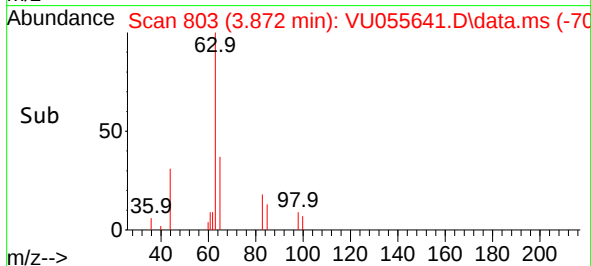
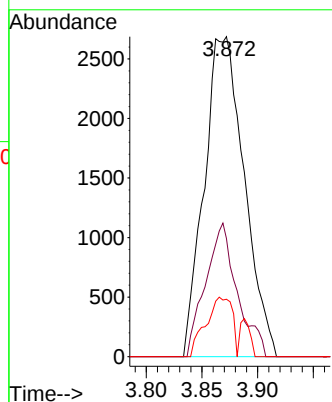
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 63	Resp: 6714
Ion Ratio	Lower Upper
63	100
65	36.9 22.0 41.0
83	17.9 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 7.218 ug/L

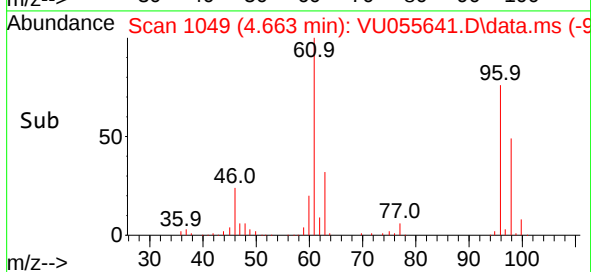
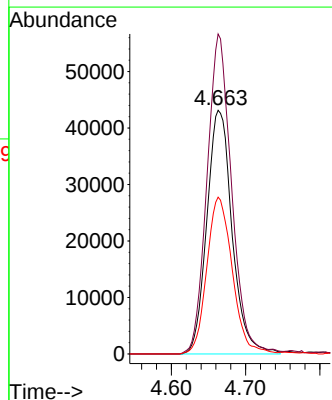
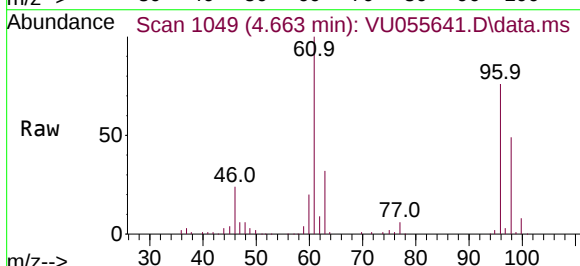
RT: 4.663 min Scan# 1049

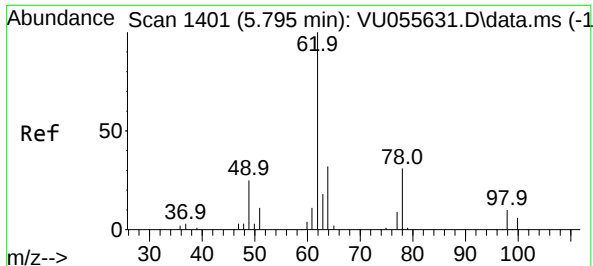
Delta R.T. -0.003 min

Lab File: VU055641.D

Acq: 03 Oct 2023 15:19

Tgt Ion: 96	Resp: 102013
Ion Ratio	Lower Upper
96	100
61	131.3 87.8 163.2
98	64.4 44.4 82.4

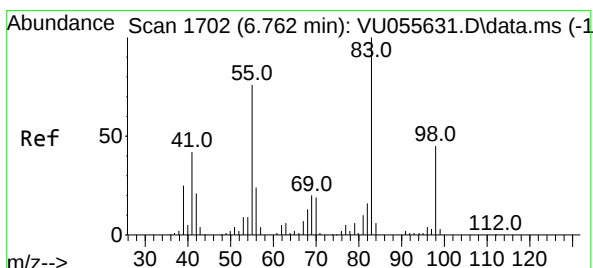
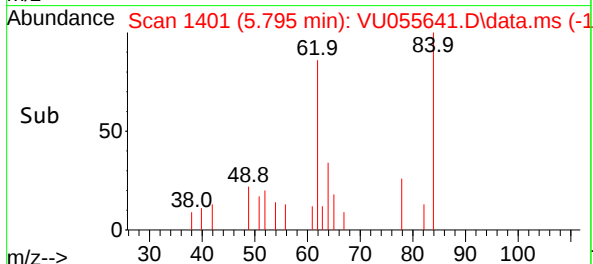
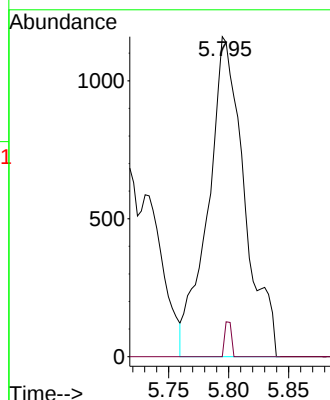
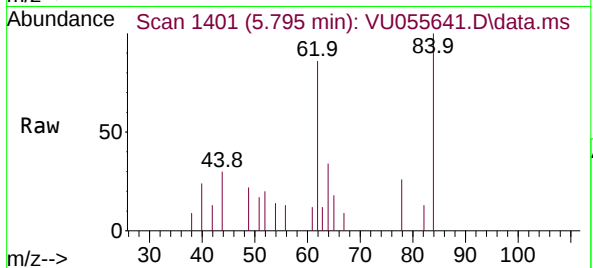




#27
1,2-Dichloroethane
Concen: 0.167 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.000 min
Lab File: VU055641.D
Acq: 03 Oct 2023 15:19

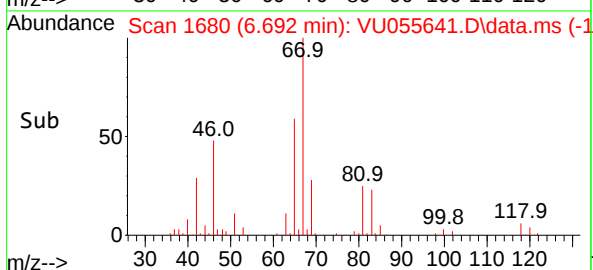
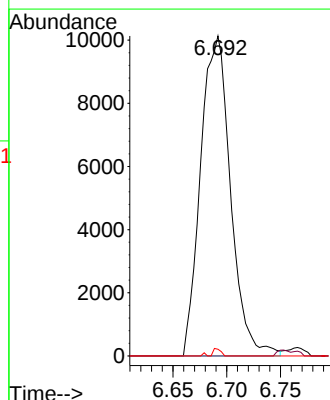
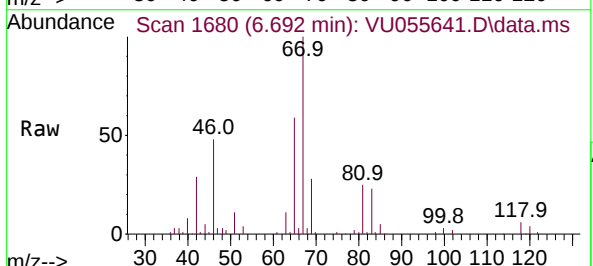
Instrument :
MSVOA_U
ClientSampleId :

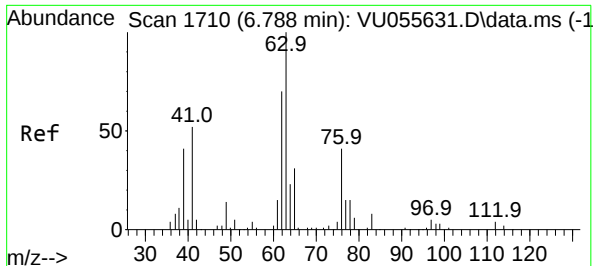
Tgt Ion: 62 Resp: 2438
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.4#



#35
Methylcyclohexane
Concen: 0.924 ug/L
RT: 6.692 min Scan# 1680
Delta R.T. -0.071 min
Lab File: VU055641.D
Acq: 03 Oct 2023 15:19

Tgt Ion: 83 Resp: 19653
Ion Ratio Lower Upper
83 100
55 0.8 59.1 88.7#
98 0.6 36.3 54.5#





#37

1,2-Dichloropropane

Concen: 0.676 ug/L

RT: 6.689 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU055641.D

Acq: 03 Oct 2023 15:19

Instrument :

MSVOA_U

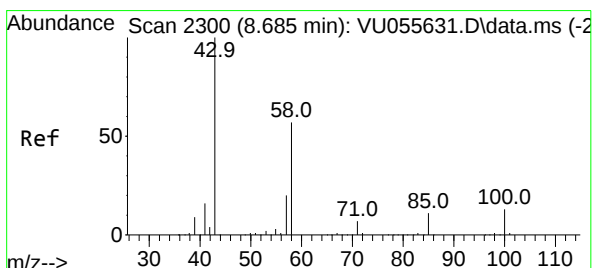
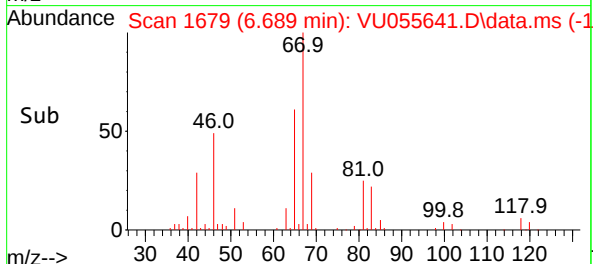
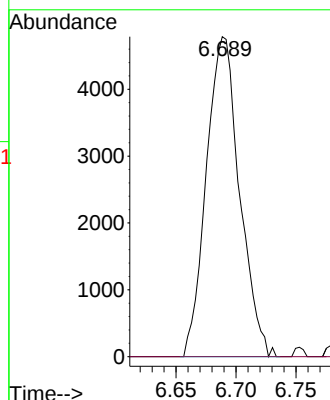
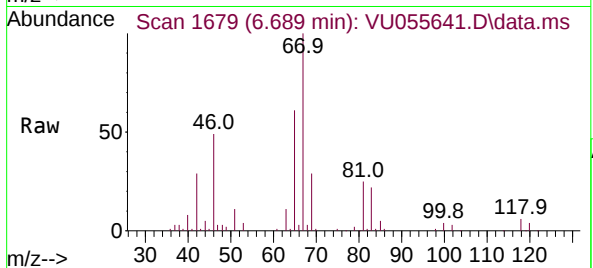
ClientSampleId :

Tgt Ion: 63 Resp: 9230

Ion Ratio Lower Upper

63 100

112 0.2 3.0 4.6#



#48

2-Hexanone

Concen: 3.308 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.000 min

Lab File: VU055641.D

Acq: 03 Oct 2023 15:19

Tgt Ion: 43 Resp: 15887

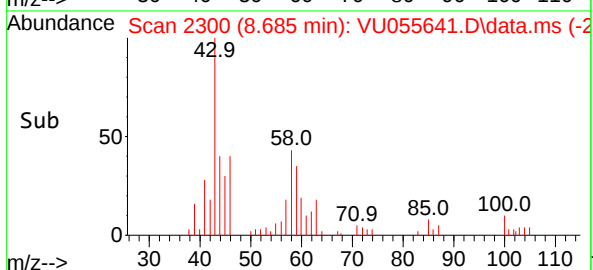
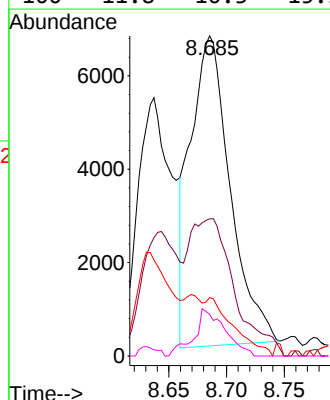
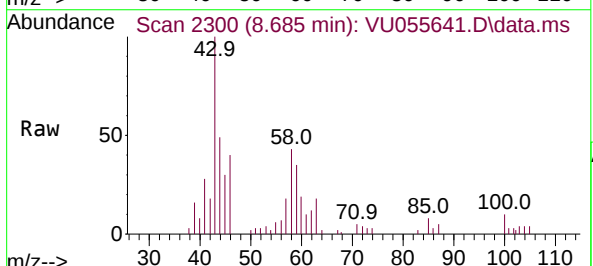
Ion Ratio Lower Upper

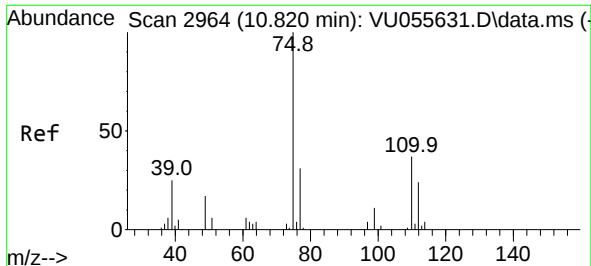
43 100

58 49.8 48.5 72.7

57 1.4 17.0 25.4#

100 11.8 10.3 15.5

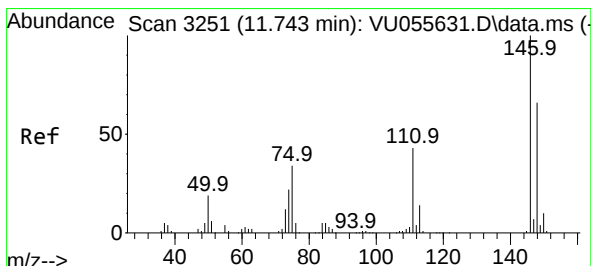
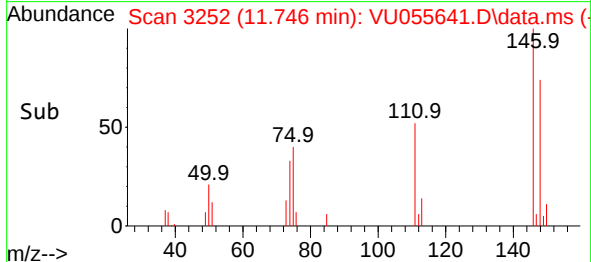
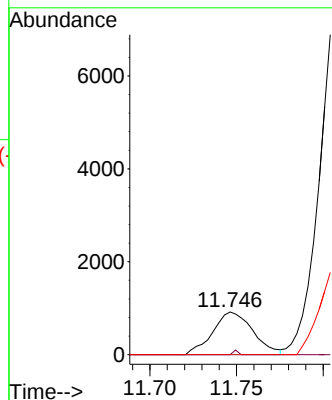
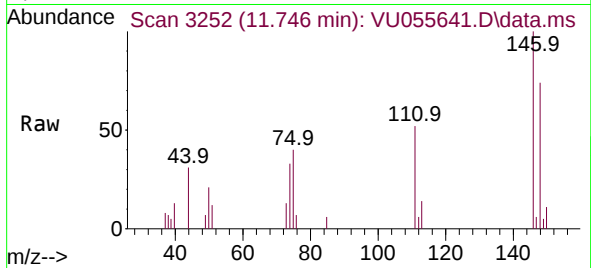




#61
1,2,3-Trichloropropane
Concen: 0.204 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.926 min
Lab File: VU055641.D
Acq: 03 Oct 2023 15:19

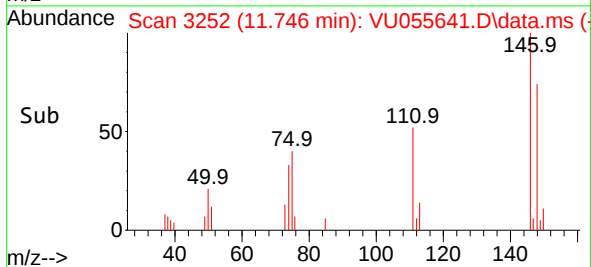
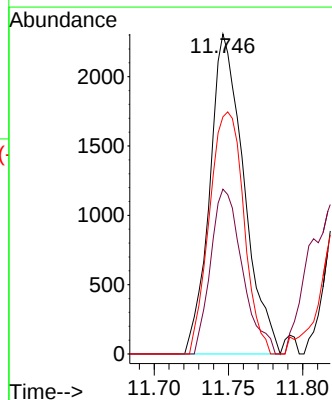
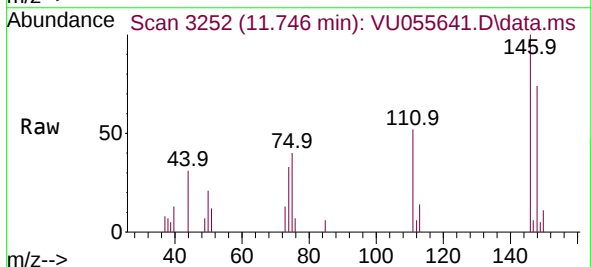
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ClientSampleId :

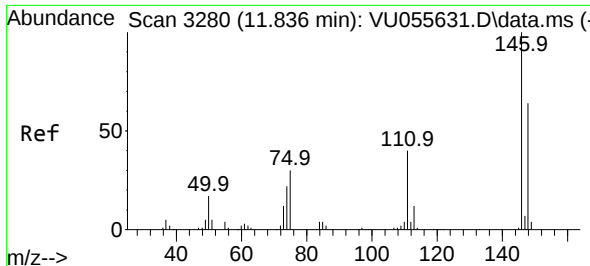
Tgt Ion: 75 Resp: 1484
Ion Ratio Lower Upper
75 100
110 1.3 30.6 45.8#
77 0.0 26.7 40.1#



#64
1,3-Dichlorobenzene
Concen: 0.143 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VU055641.D
Acq: 03 Oct 2023 15:19

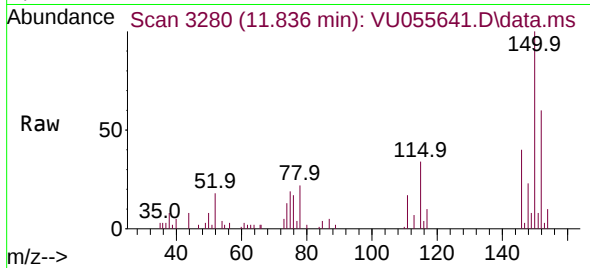
Tgt Ion:146 Resp: 3679
Ion Ratio Lower Upper
146 100
111 51.5 28.8 53.6
148 74.1 44.6 82.8



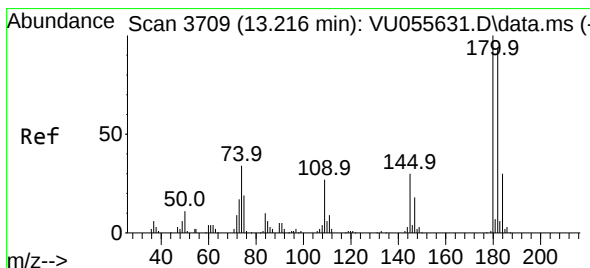
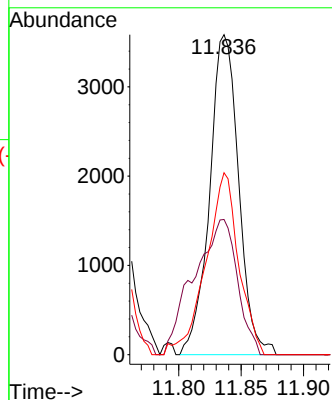
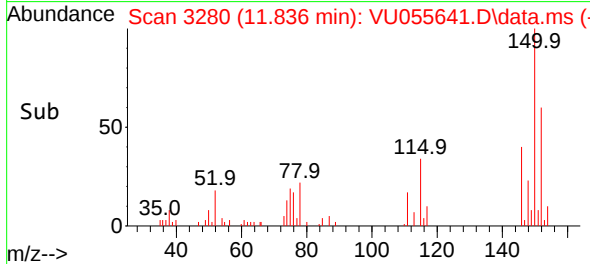


#65
1,4-Dichlorobenzene
Concen: 0.226 ug/L
RT: 11.836 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055641.D
Acq: 03 Oct 2023 15:19

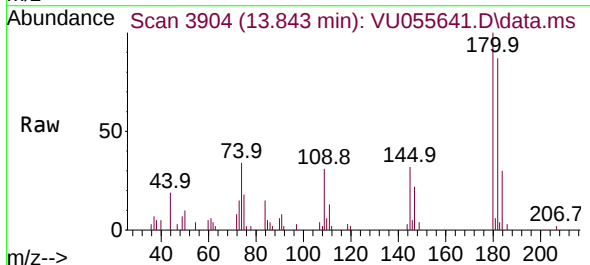
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MSVOA_U
ClientSampleId :



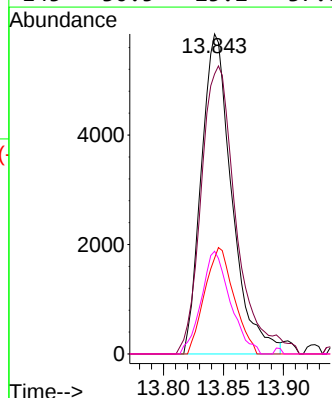
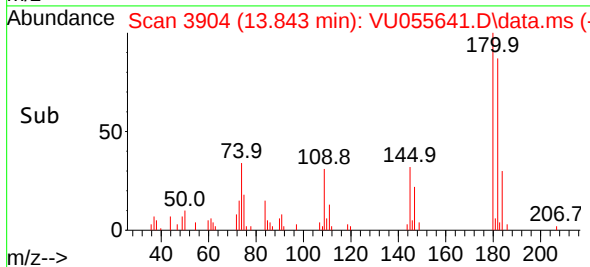
Tgt Ion:146 Resp: 5823
Ion Ratio Lower Upper
146 100
111 42.2 29.0 53.8
148 56.8 45.4 84.4

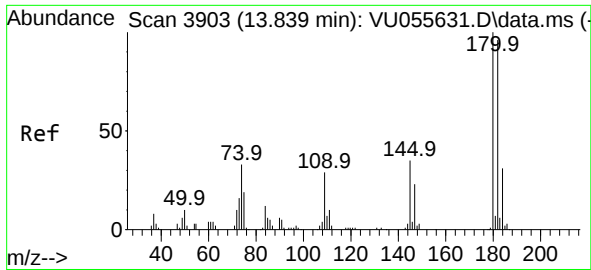


#69
1,3,5-Trichlorobenzene
Concen: 0.585 ug/L
RT: 13.843 min Scan# 3904
Delta R.T. 0.627 min
Lab File: VU055641.D
Acq: 03 Oct 2023 15:19



Tgt Ion:180 Resp: 10367
Ion Ratio Lower Upper
180 100
182 102.6 77.1 115.7
184 31.7 24.0 36.0
145 30.5 25.2 37.8





#70

1,2,4-trichlorobenzene

Concen: 0.770 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.003 min

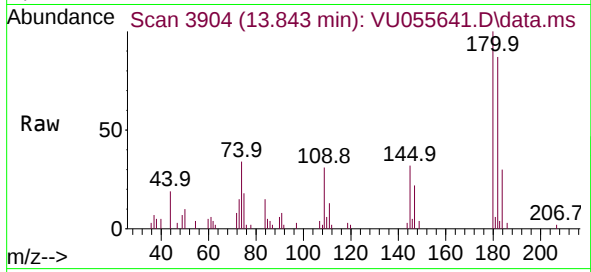
Lab File: VU055641.D

Acq: 03 Oct 2023 15:19

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 10404

Ion Ratio Lower Upper

180 100

182 102.2 76.4 114.6

145 30.4 25.4 38.0

