

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082923\
 Data File : VU054959.D
 Acq On : 29 Aug 2023 16:09
 Operator : MD/SY
 Sample : 04173-05DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 22:30:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 29 22:22:50 2023
 Response via : Initial Calibration

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

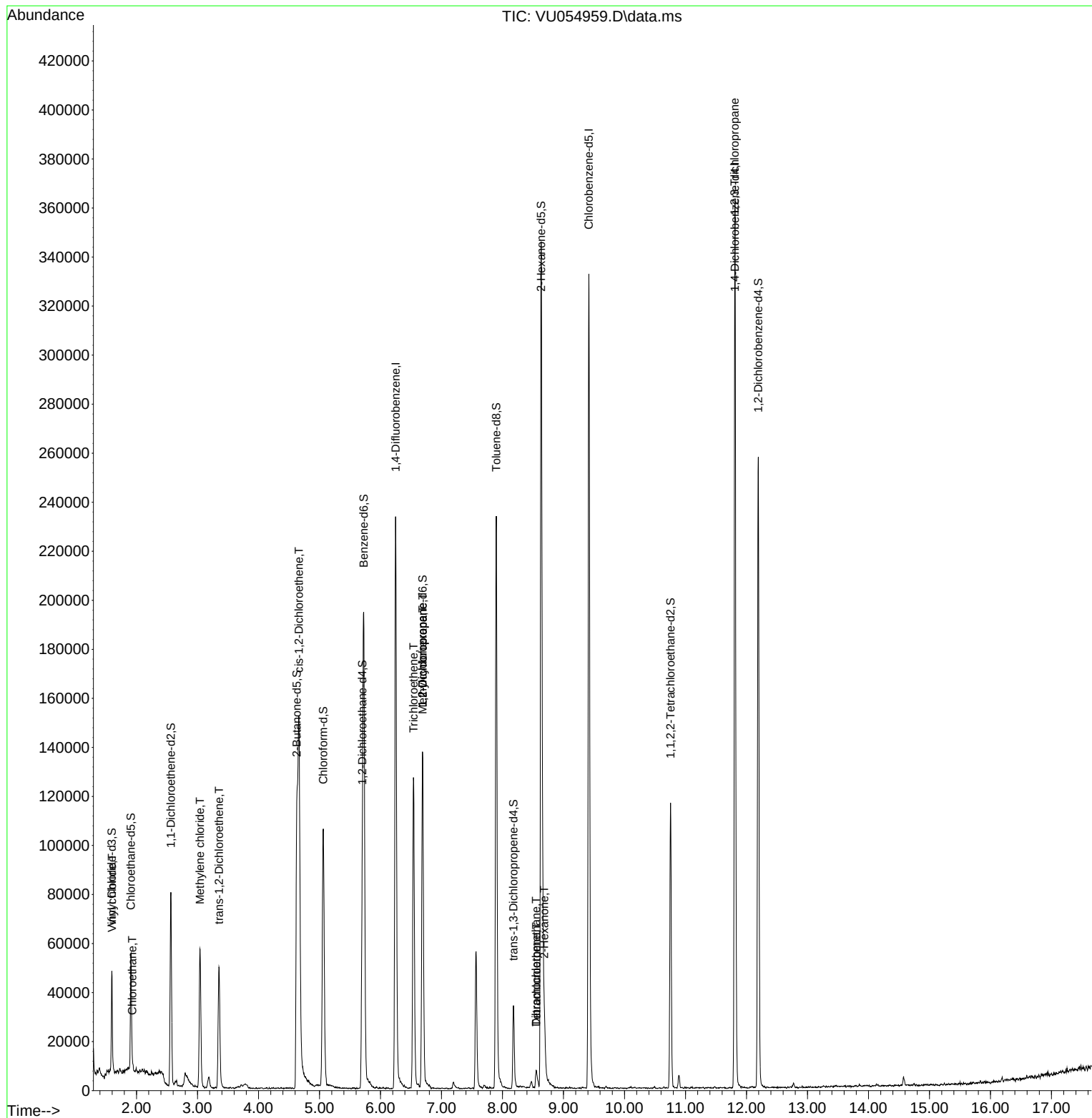
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	184344	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	182564	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	90012	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	25058	4.307	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.200%
7) Chloroethane-d5	1.907	69	33629	4.474	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.400%
11) 1,1-Dichloroethene-d2	2.563	65	14973	4.553	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.000%
20) 2-Butanone-d5	4.628	46	175448	55.864	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.720%
24) Chloroform-d	5.062	84	99220	4.597	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
26) 1,2-Dichloroethane-d4	5.702	65	55189	4.805	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.724	84	177451	4.324	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	6.689	67	64763	4.487	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.800%
41) Toluene-d8	7.898	98	157730	4.013	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.200%
43) trans-1,3-Dichloroprop...	8.181	79	20096	4.231	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.600%
46) 2-Hexanone-d5	8.634	63	115275	51.132	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.260%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	56500	4.565	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	65590	4.564	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	4152	0.336	ug/L #	59
8) Chloroethane	1.933	64	1821	0.224	ug/L	96
16) Methylene chloride	3.039	84	26374	2.062	ug/L	93
18) trans-1,2-Dichloroethene	3.354	96	20375	2.240	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	58531	5.397	ug/L	92
34) Trichloroethene	6.541	95	43367	3.633	ug/L	97
35) Methylcyclohexane	6.692	83	14954	0.847	ug/L #	19
37) 1,2-Dichloropropane	6.689	63	6897	0.574	ug/L #	90
47) Tetrachloroethene	8.557	164	1494	0.174	ug/L	79
48) 2-Hexanone	8.685	43	13485	2.720	ug/L	90
49) Dibromochloromethane	8.550	129	1601	0.171	ug/L #	6
61) 1,2,3-Trichloropropane	11.807	75	12664	1.890	ug/L #	68

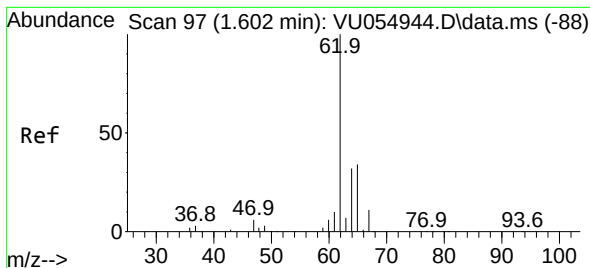
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.336 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU054959.D

Acq: 29 Aug 2023 16:09

Instrument :

MSVOA_U

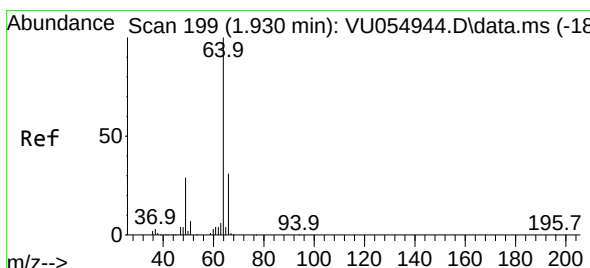
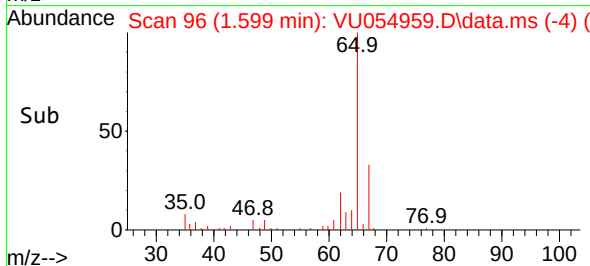
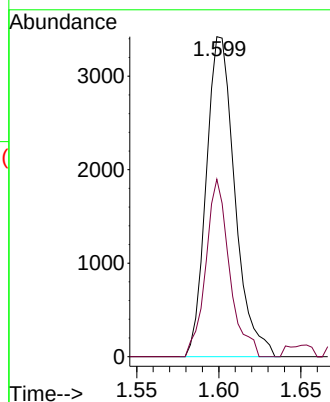
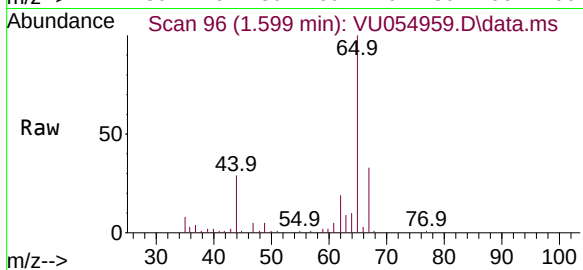
ClientSampleId :

Tgt Ion: 62 Resp: 4152

Ion Ratio Lower Upper

62 100

64 55.4 22.7 42.1#



#8

Chloroethane

Concen: 0.224 ug/L

RT: 1.933 min Scan# 200

Delta R.T. 0.003 min

Lab File: VU054959.D

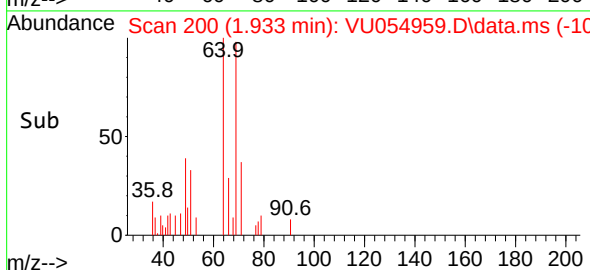
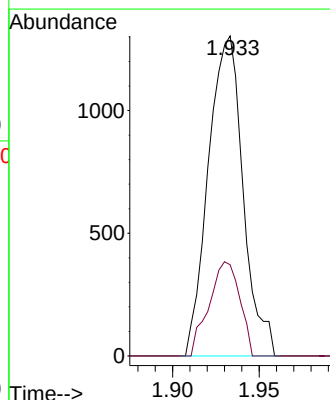
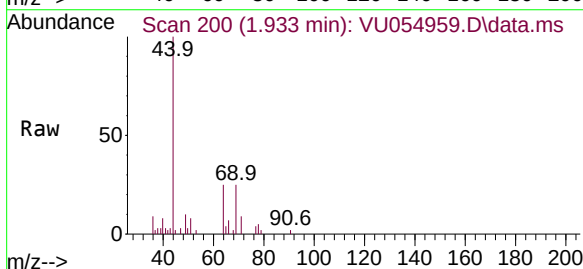
Acq: 29 Aug 2023 16:09

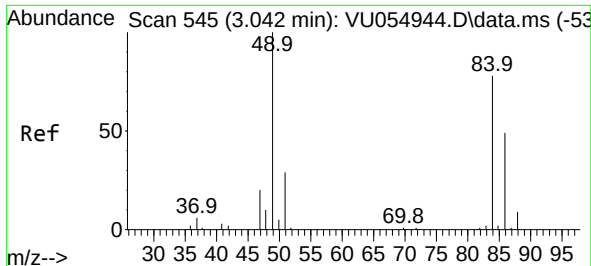
Tgt Ion: 64 Resp: 1821

Ion Ratio Lower Upper

64 100

66 28.5 21.5 39.9

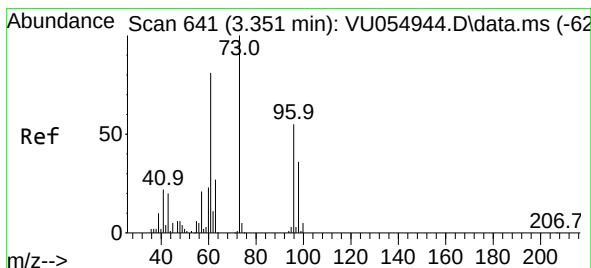
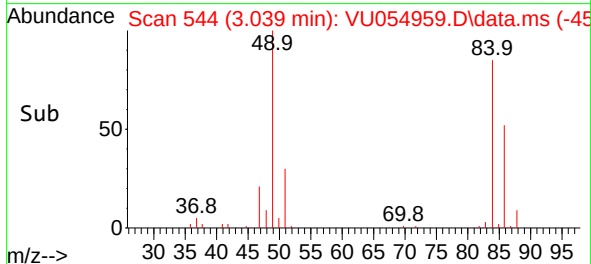
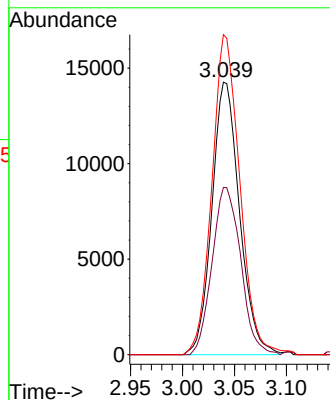
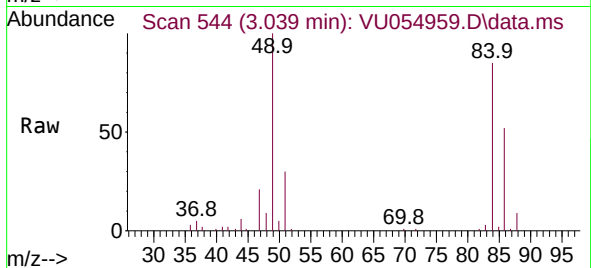




#16
Methylene chloride
Concen: 2.062 ug/L
RT: 3.039 min Scan# 54
Delta R.T. -0.003 min
Lab File: VU054959.D
Acq: 29 Aug 2023 16:09

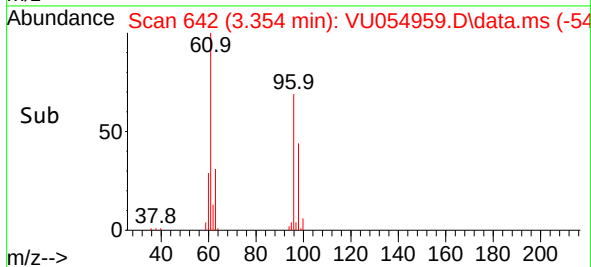
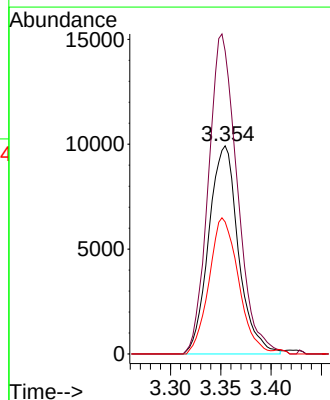
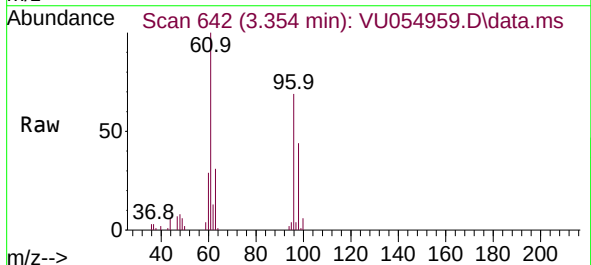
Instrument :
MSVOA_U
ClientSampleId :

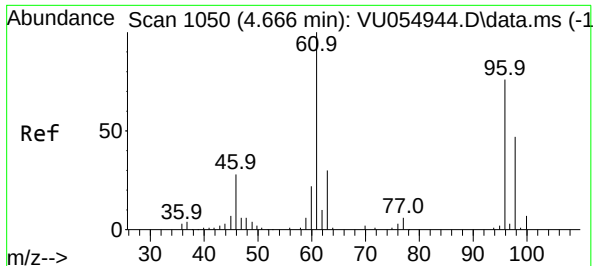
Tgt Ion: 84 Resp: 26374
Ion Ratio Lower Upper
84 100
86 61.4 45.1 83.7
49 117.4 89.5 166.3



#18
trans-1,2-Dichloroethene
Concen: 2.240 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU054959.D
Acq: 29 Aug 2023 16:09

Tgt Ion: 96 Resp: 20375
Ion Ratio Lower Upper
96 100
61 145.5 108.8 202.0
98 63.4 45.8 85.2





#22

cis-1,2-Dichloroethene

Concen: 5.397 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.003 min

Lab File: VU054959.D

Acq: 29 Aug 2023 16:09

Instrument :

MSVOA_U

ClientSampleId :

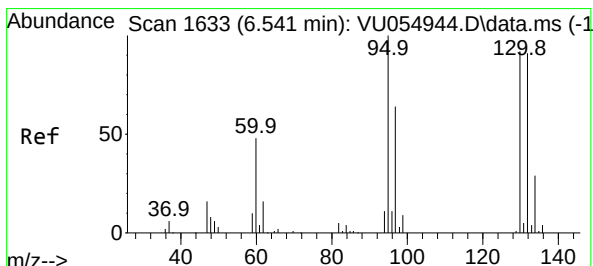
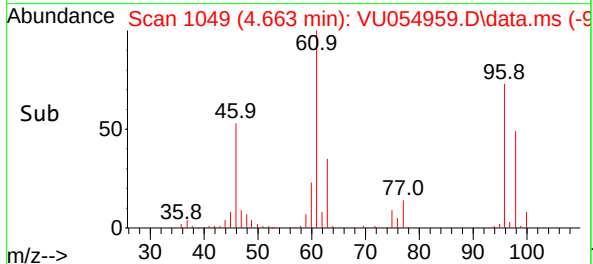
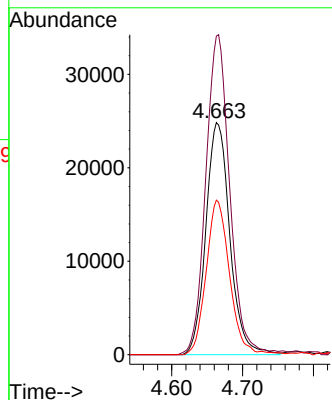
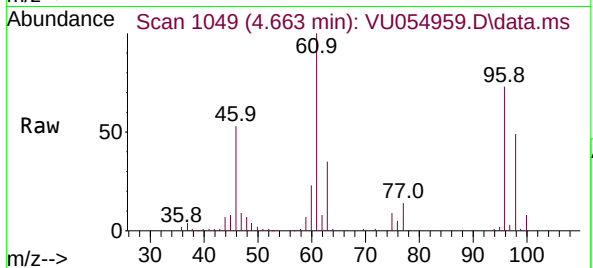
Tgt Ion: 96 Resp: 58531

Ion Ratio Lower Upper

96 100

61 137.3 88.4 164.2

98 66.6 44.0 81.6



#34

Trichloroethene

Concen: 3.633 ug/L

RT: 6.541 min Scan# 1633

Delta R.T. 0.000 min

Lab File: VU054959.D

Acq: 29 Aug 2023 16:09

Tgt Ion: 95 Resp: 43367

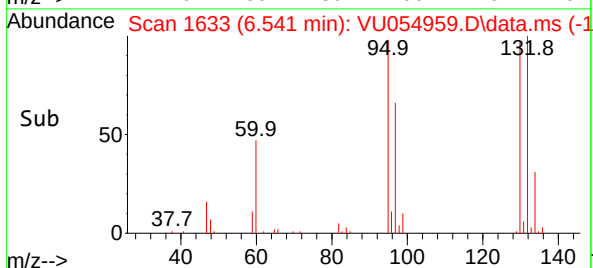
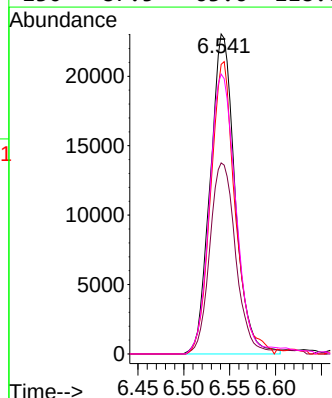
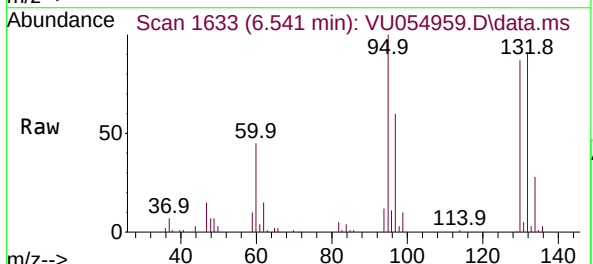
Ion Ratio Lower Upper

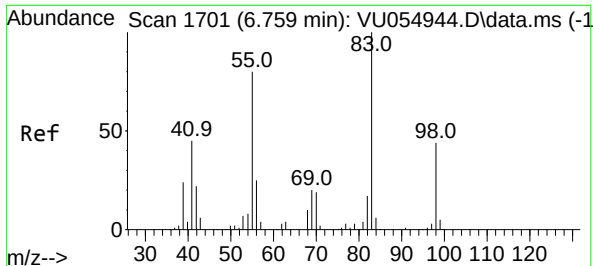
95 100

97 59.7 44.1 81.9

132 90.5 63.6 118.2

130 87.5 63.6 118.0





#35

Methylcyclohexane

Concen: 0.847 ug/L

RT: 6.692 min Scan# 1679

Delta R.T. -0.067 min

Lab File: VU054959.D

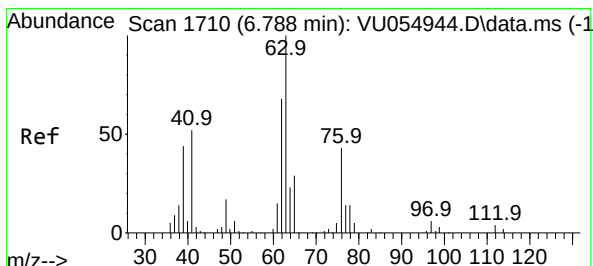
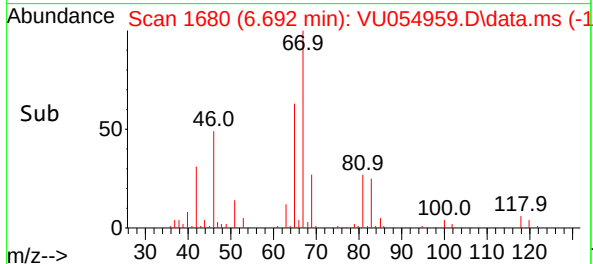
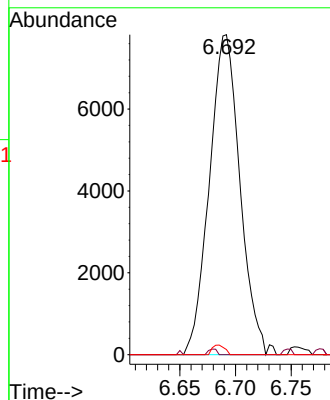
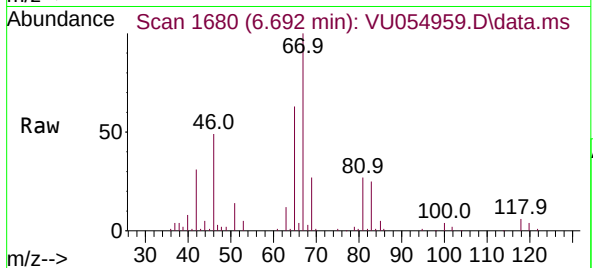
Acq: 29 Aug 2023 16:09

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 14954
Ion Ratio	Lower Upper
83 100	
55 0.5	62.1 93.1#
98 1.2	37.8 56.6#



#37

1,2-Dichloropropane

Concen: 0.574 ug/L

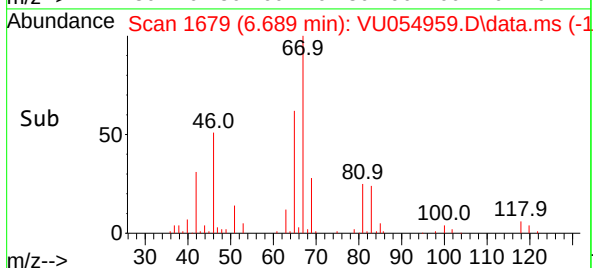
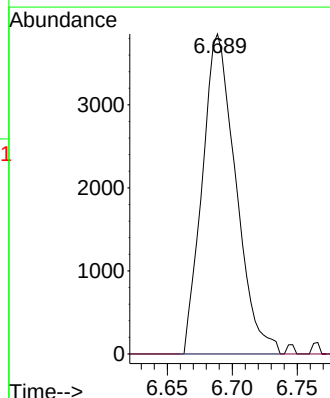
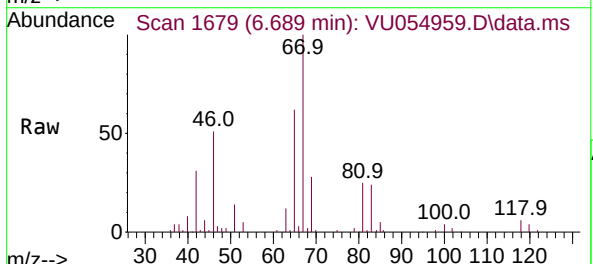
RT: 6.689 min Scan# 1679

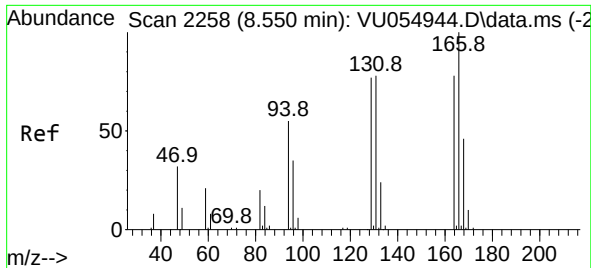
Delta R.T. -0.100 min

Lab File: VU054959.D

Acq: 29 Aug 2023 16:09

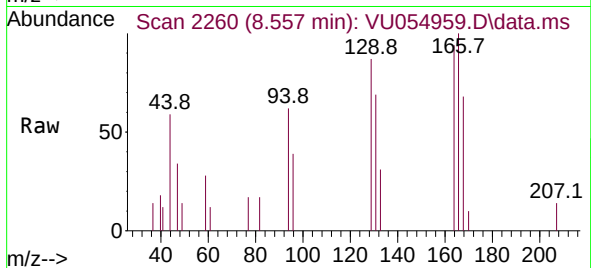
Tgt Ion: 63	Resp: 6897
Ion Ratio	Lower Upper
63 100	
112 0.0	2.7 4.1#



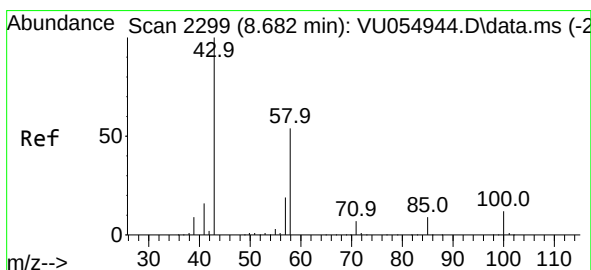
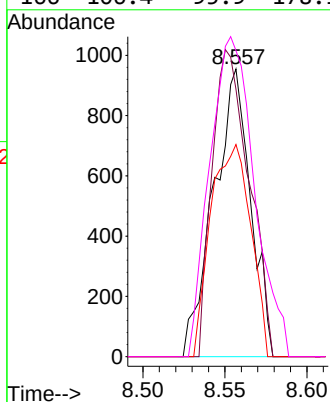
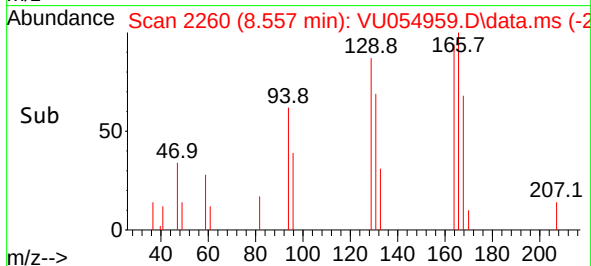


#47
Tetrachloroethene
Concen: 0.174 ug/L
RT: 8.557 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU054959.D
Acq: 29 Aug 2023 16:09

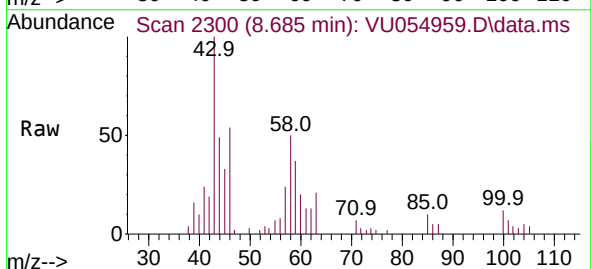
Instrument :
MSVOA_U
ClientSampleId :



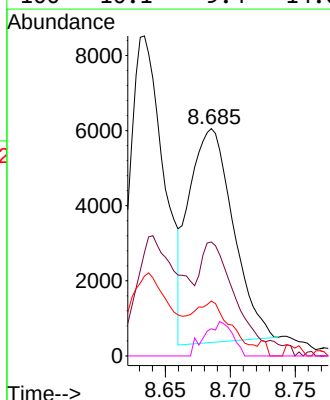
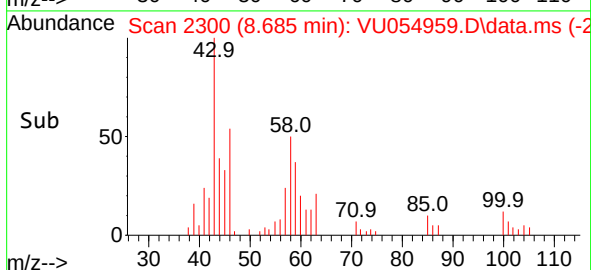
Tgt Ion:164	Resp:	1494	
Ion	Ratio	Lower	Upper
164	100		
129	93.0	72.8	135.2
131	73.7	70.7	131.3
166	106.4	95.9	178.1

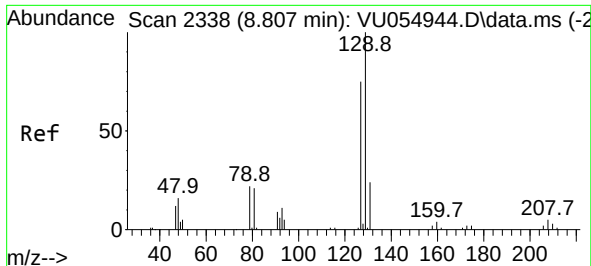


#48
2-Hexanone
Concen: 2.720 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU054959.D
Acq: 29 Aug 2023 16:09



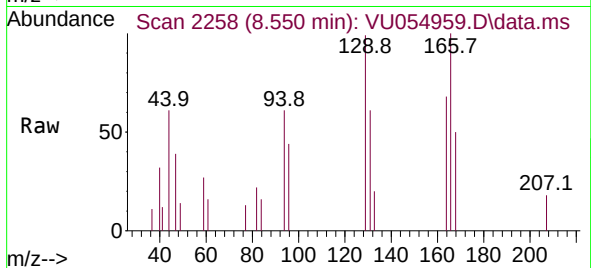
Tgt	Ion: 43	Resp:	13485
Ion	Ratio	Lower	Upper
43	100		
58	44.9	44.0	66.0
57	21.9	15.9	23.9
100	10.1	9.4	14.0



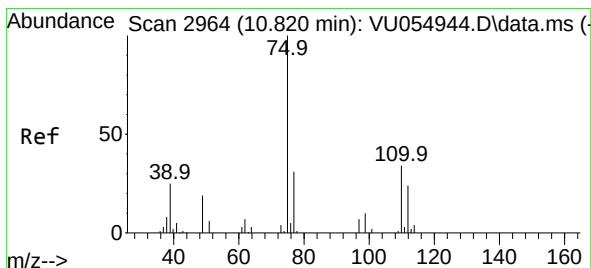
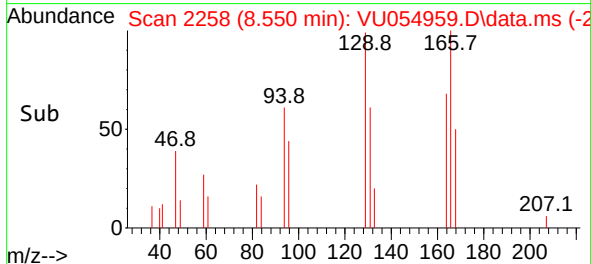
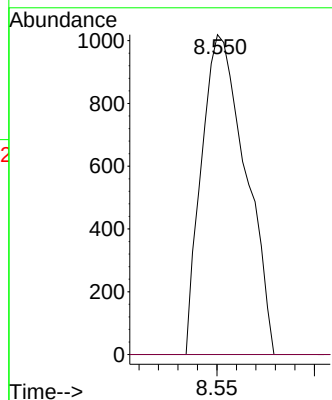


#49
Dibromochloromethane
Concen: 0.171 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU054959.D
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Tgt Ion:129 Resp: 1601
Ion Ratio Lower Upper
129 100
127 0.0 60.5 112.5#



#61
1,2,3-Trichloropropane
Concen: 1.890 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.987 min
Lab File: VU054959.D
Acq: 29 Aug 2023 16:09

Tgt Ion: 75 Resp: 12664
Ion Ratio Lower Upper
75 100
110 1.6 29.0 43.6#
77 34.3 26.5 39.7

