

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091823\
 Data File : VU055382.D
 Acq On : 18 Sep 2023 19:40
 Operator : MD/SY
 Sample : 04398-07 40X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 19 01:18:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Sep 19 01:12:51 2023
 Response via : Initial Calibration

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

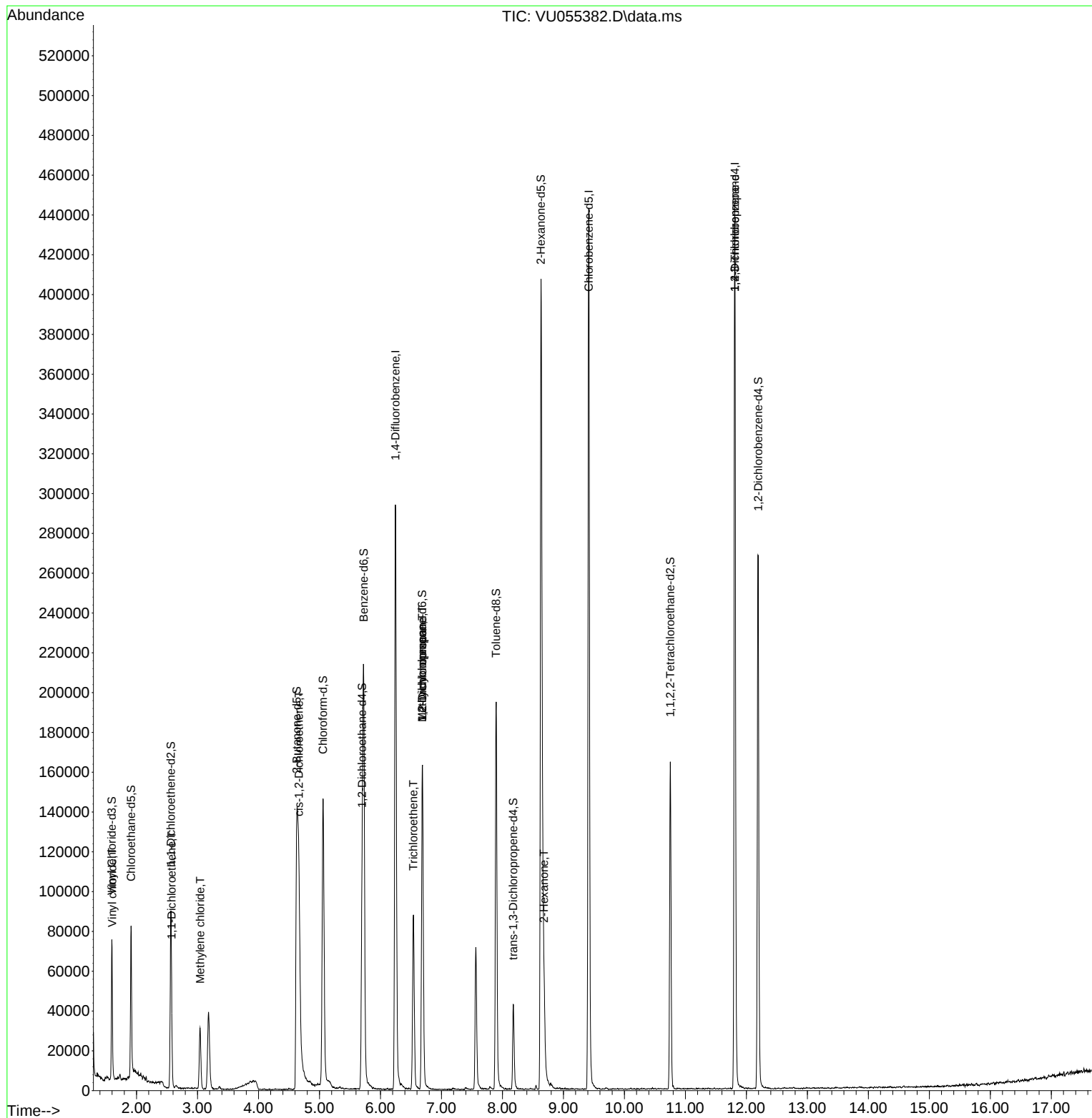
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	248068	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	254080	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	121510	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	45544	3.194	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	63.800%	
7) Chloroethane-d5	1.911	69	51631	3.208	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	64.200%#	
11) 1,1-Dichloroethene-d2	2.563	65	16198	3.141	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	62.800%	
20) 2-Butanone-d5	4.627	46	233959	59.339	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	118.680%	
24) Chloroform-d	5.058	84	136259	4.279	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	85.600%	
26) 1,2-Dichloroethane-d4	5.698	65	73627	4.582	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	91.600%	
32) Benzene-d6	5.724	84	198107	3.720	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	74.400%	
36) 1,2-Dichloropropane-d6	6.685	67	80843	4.455	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	89.000%	
41) Toluene-d8	7.897	98	136743	2.978	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	59.600%#	
43) trans-1,3-Dichloroprop...	8.177	79	25301	3.929	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	78.600%	
46) 2-Hexanone-d5	8.631	63	132622	56.607	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	113.220%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	81834	5.185	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	103.800%	
66) 1,2-Dichlorobenzene-d4	12.193	152	73182	4.677	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	93.600%	
Target Compounds						
5) Vinyl chloride	1.602	62	4510	0.183	ug/L #	81
12) 1,1-Dichloroethene	2.576	96	2631	0.151	ug/L #	1
16) Methylene chloride	3.042	84	14811	0.570	ug/L	95
22) cis-1,2-Dichloroethene	4.663	96	29650	1.320	ug/L	92
34) Trichloroethene	6.541	95	28927	1.209	ug/L	91
35) Methylcyclohexane	6.685	83	18360	0.528	ug/L #	20
37) 1,2-Dichloropropane	6.688	63	8937	0.405	ug/L #	89
48) 2-Hexanone	8.682	43	25841	3.272	ug/L #	85
61) 1,2,3-Trichloropropane	11.810	75	15953	1.356	ug/L #	67

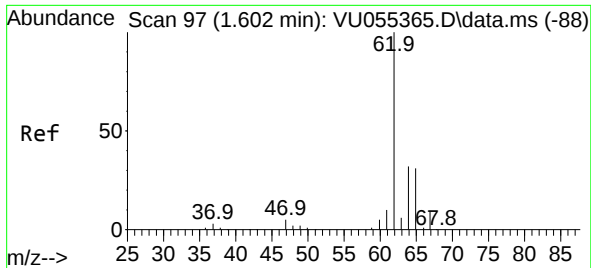
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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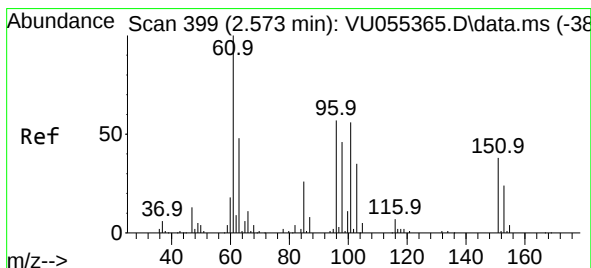
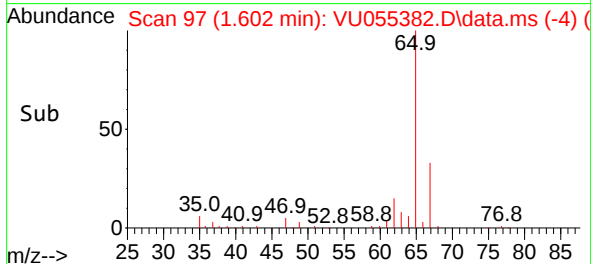
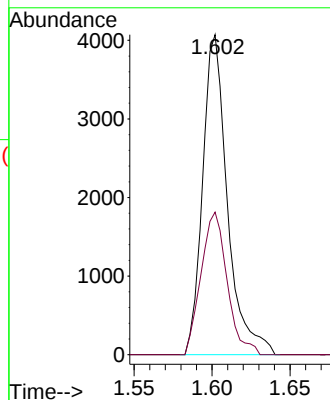
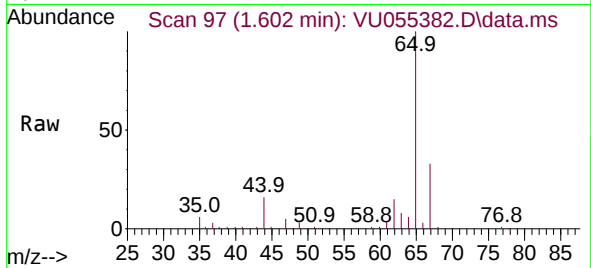




#5
 Vinyl chloride
 Concen: 0.183 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055382.D
 Acq: 18 Sep 2023 19:40

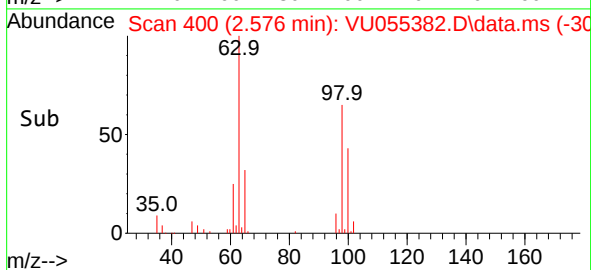
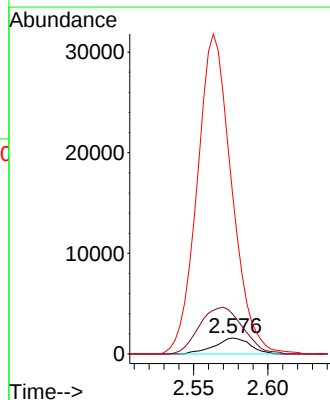
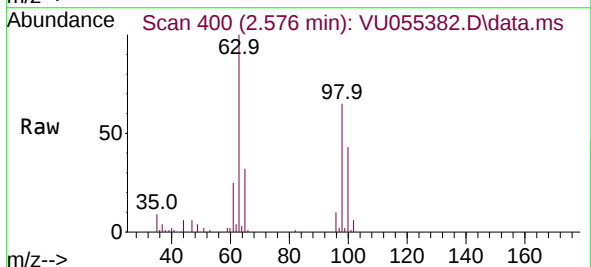
Instrument :
 MSVOA_U
 ClientSampleId :

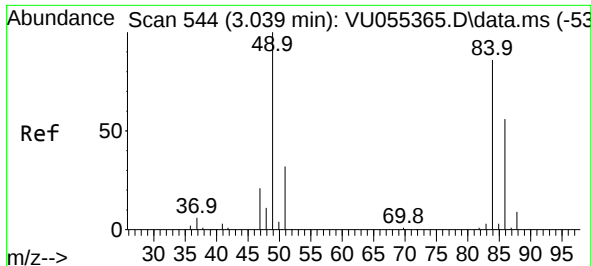
Tgt Ion: 62 Resp: 4510
 Ion Ratio Lower Upper
 62 100
 64 44.6 23.4 43.6#



#12
 1,1-Dichloroethene
 Concen: 0.151 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU055382.D
 Acq: 18 Sep 2023 19:40

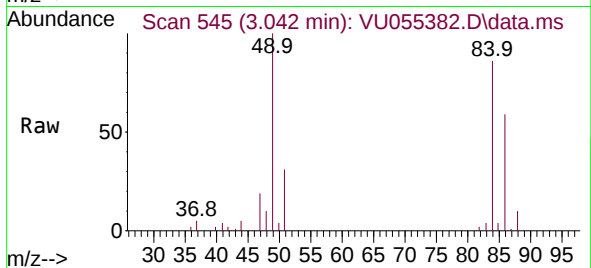
Tgt Ion: 96 Resp: 2631
 Ion Ratio Lower Upper
 96 100
 61 251.3 122.8 228.0#
 63 1008.2 71.7 133.3#



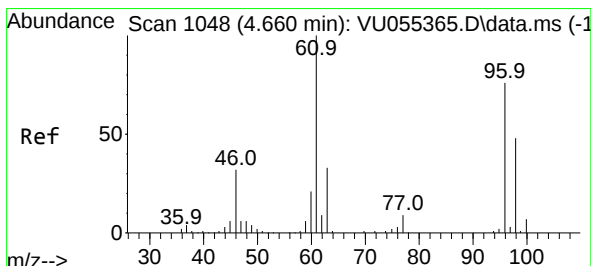
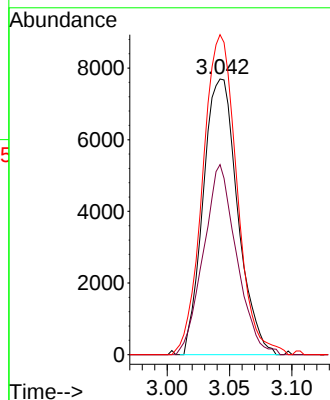
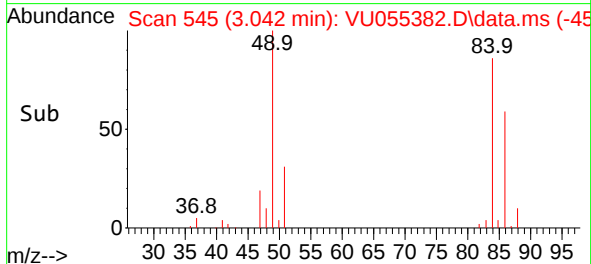


#16
Methylene chloride
Concen: 0.570 ug/L
RT: 3.042 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU055382.D
Acq: 18 Sep 2023 19:40

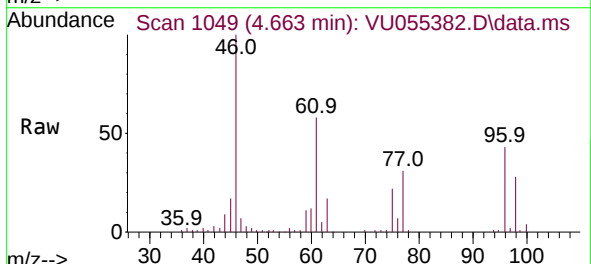
Instrument :
MSVOA_U
ClientSampleId :



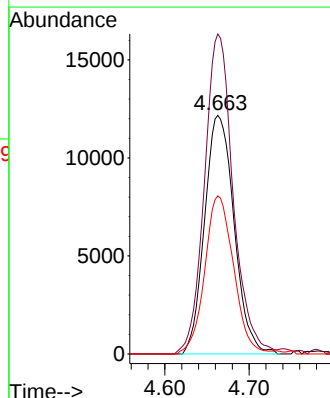
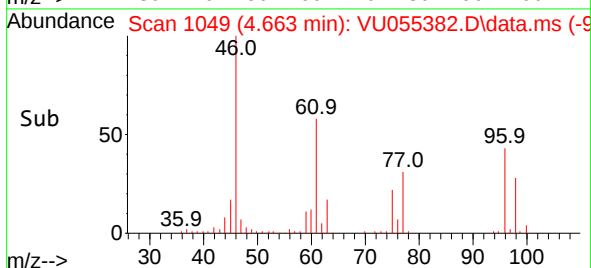
Tgt Ion: 84 Resp: 14811
Ion Ratio Lower Upper
84 100
86 68.9 42.4 78.8
49 116.0 79.9 148.3

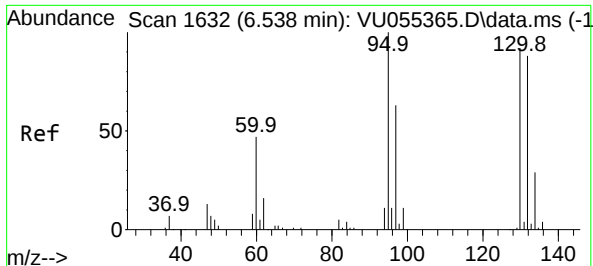


#22
cis-1,2-Dichloroethene
Concen: 1.320 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU055382.D
Acq: 18 Sep 2023 19:40



Tgt Ion: 96 Resp: 29650
Ion Ratio Lower Upper
96 100
61 134.1 88.1 163.7
98 68.4 43.5 80.7

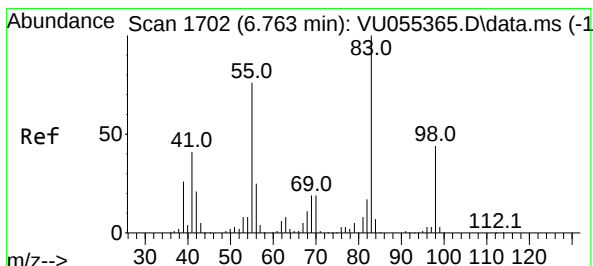
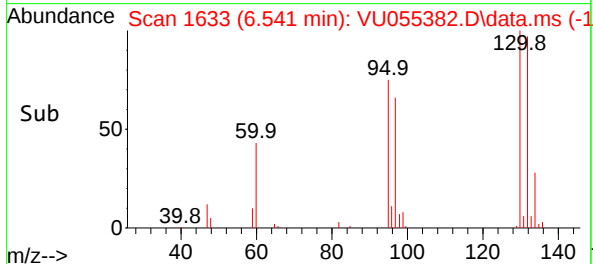
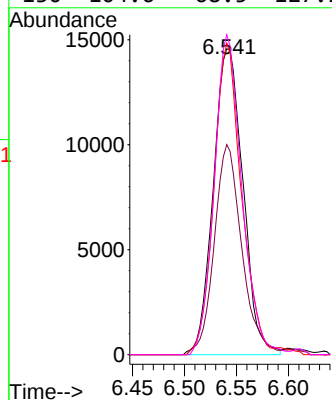
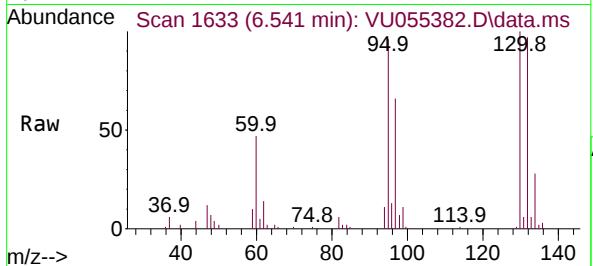




#34
Trichloroethene
Concen: 1.209 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.003 min
Lab File: VU055382.D
Acq: 18 Sep 2023 19:40

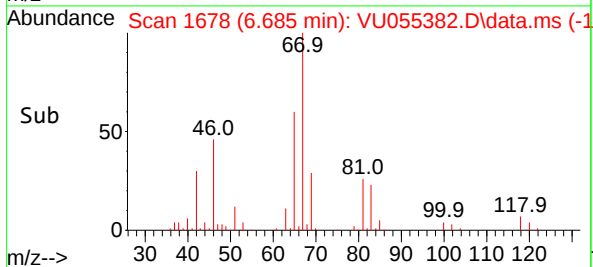
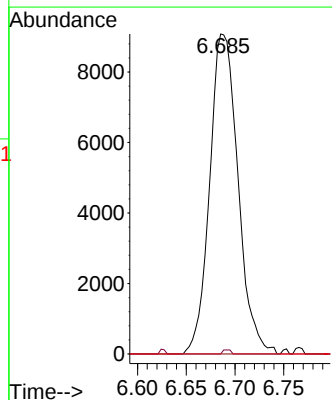
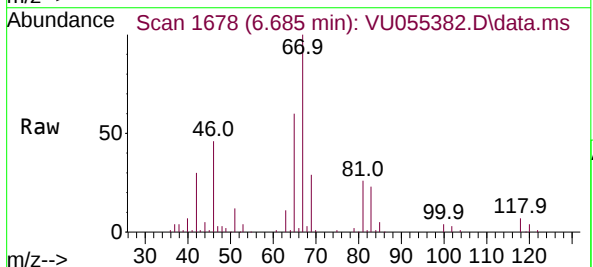
Instrument :
MSVOA_U
ClientSampleId :

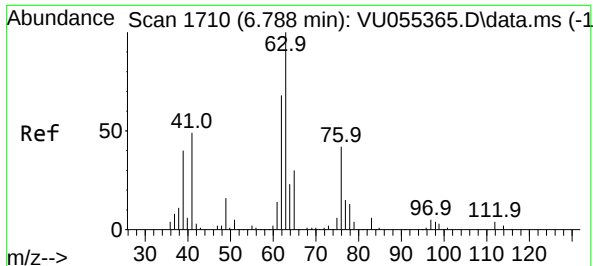
Tgt Ion: 95 Resp: 28927
Ion Ratio Lower Upper
95 100
97 68.7 47.4 88.0
132 101.8 60.5 112.3
130 104.6 68.5 127.1



#35
Methylcyclohexane
Concen: 0.528 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.077 min
Lab File: VU055382.D
Acq: 18 Sep 2023 19:40

Tgt Ion: 83 Resp: 18360
Ion Ratio Lower Upper
83 100
55 0.4 58.7 88.1#
98 0.0 36.3 54.5#





#37

1,2-Dichloropropane

Concen: 0.405 ug/L

RT: 6.688 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU055382.D

Acq: 18 Sep 2023 19:40

Instrument :

MSVOA_U

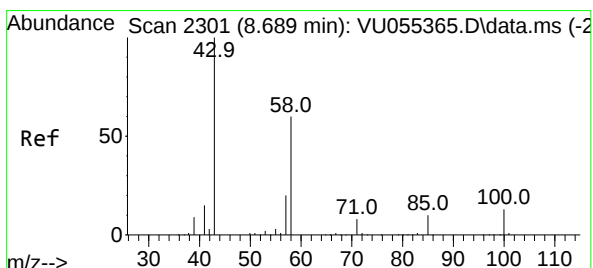
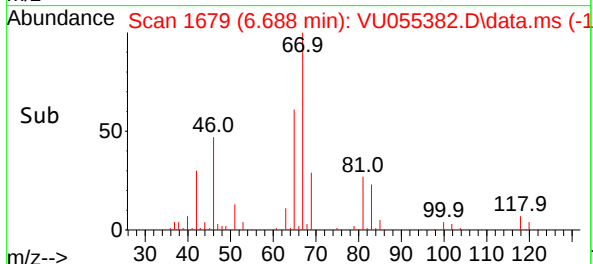
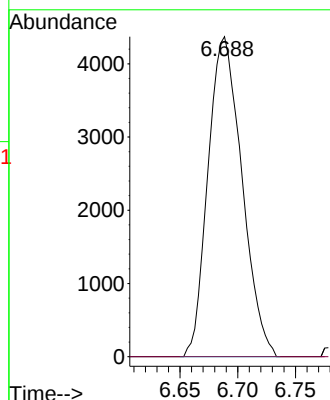
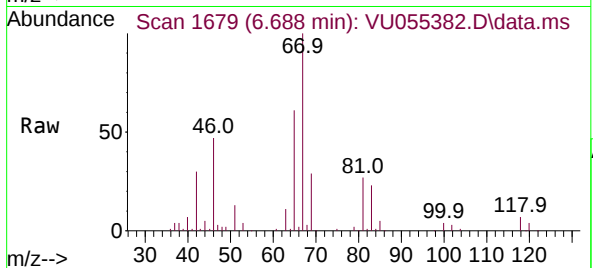
ClientSampleId :

Tgt Ion: 63 Resp: 8937

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



#48

2-Hexanone

Concen: 3.272 ug/L

RT: 8.682 min Scan# 2299

Delta R.T. -0.007 min

Lab File: VU055382.D

Acq: 18 Sep 2023 19:40

Tgt Ion: 43 Resp: 25841

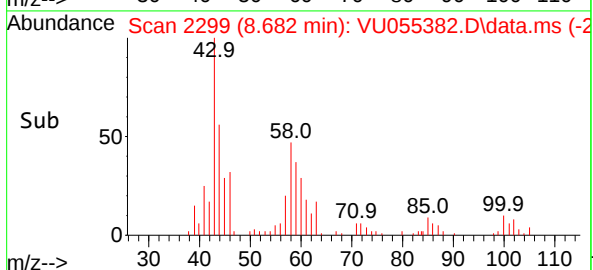
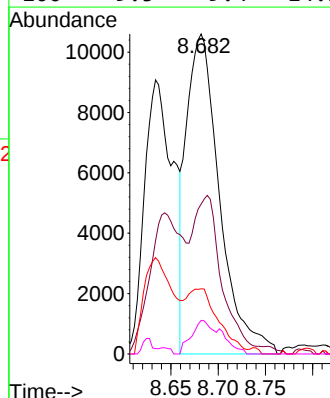
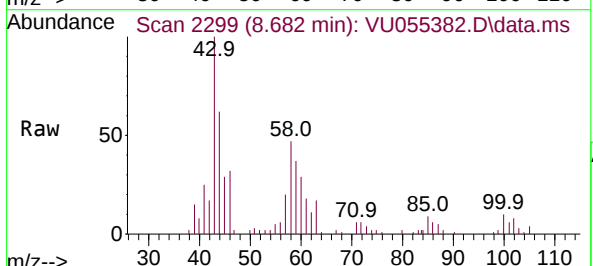
Ion Ratio Lower Upper

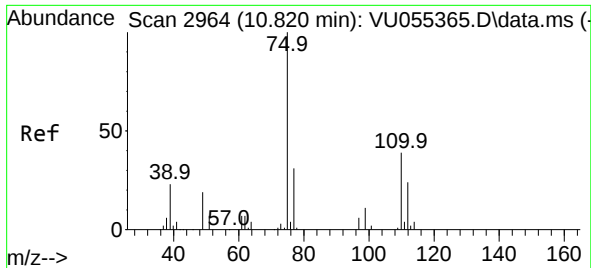
43 100

58 43.1 47.8 71.6#

57 19.3 15.4 23.2

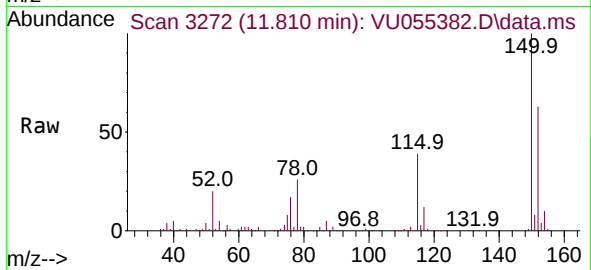
100 9.5 9.4 14.2





#61
 1,2,3-Trichloropropane
 Concen: 1.356 ug/L
 RT: 11.810 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU055382.D
 Acq: 18 Sep 2023 19:40

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 15953
 Ion Ratio Lower Upper
 75 100
 110 2.7 31.4 47.2#
 77 31.7 26.0 39.0

