

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090523\
 Data File : VU055105.D
 Acq On : 05 Sep 2023 19:39
 Operator : MD/SY
 Sample : 04230-09DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 06 02:20:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 02:14:32 2023
 Response via : Initial Calibration

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

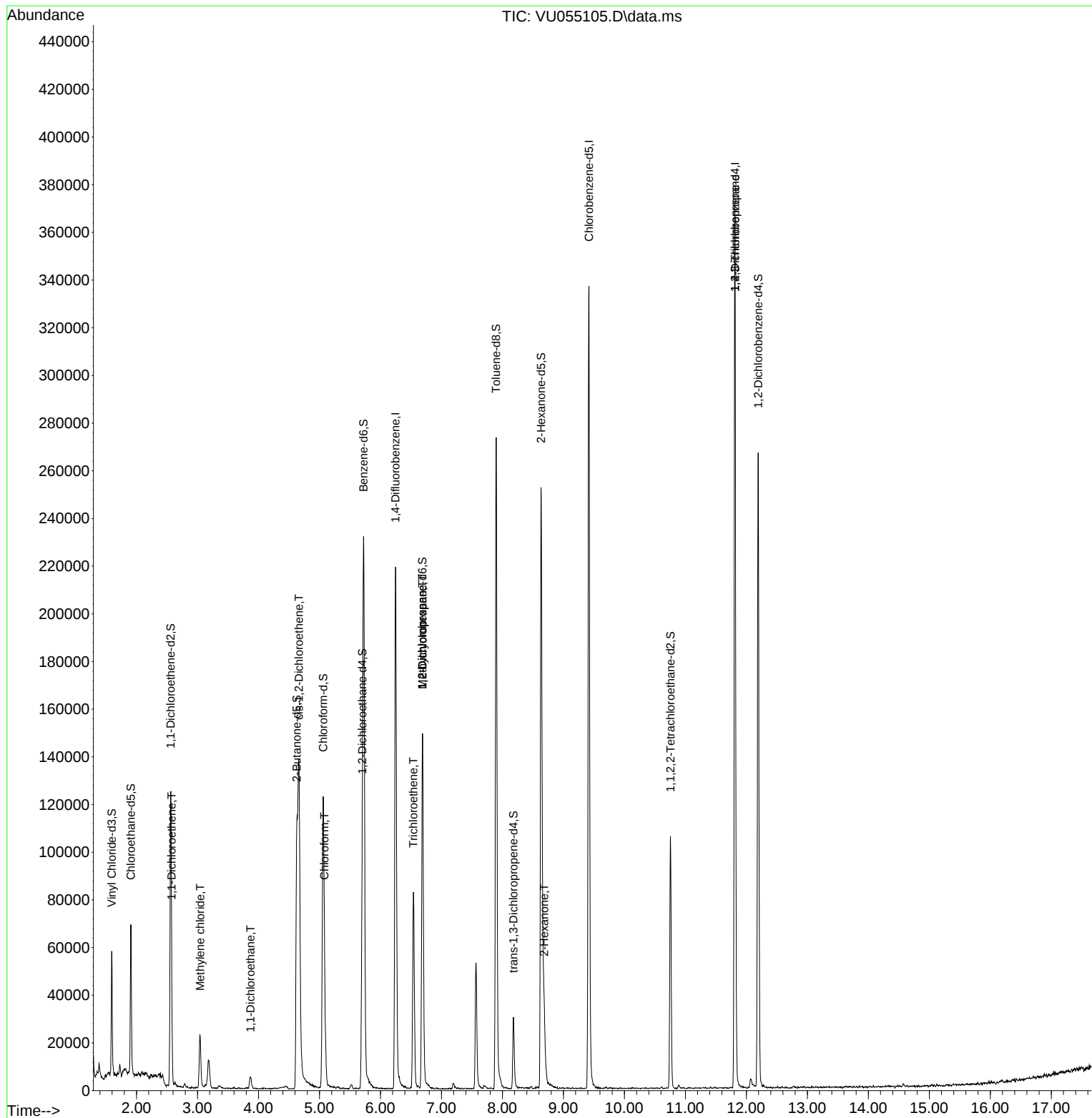
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	179891	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	183680	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	94300	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	37495	4.447	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.907	69	43562	4.464	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.200%
11) 1,1-Dichloroethene-d2	2.560	65	22579	4.700	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.000%
20) 2-Butanone-d5	4.627	46	134501	54.973	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.940%
24) Chloroform-d	5.061	84	107456	4.803	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
26) 1,2-Dichloroethane-d4	5.701	65	56852	5.079	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	5.724	84	211620	4.667	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
36) 1,2-Dichloropropane-d6	6.688	67	70215	4.869	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.897	98	183660	4.397	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
43) trans-1,3-Dichloroprop...	8.180	79	17381	4.377	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.634	63	81073	50.285	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.580%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	52255	5.152	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	66377	4.822	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.400%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.576	96	6179	0.743	ug/L #	1
16) Methylene chloride	3.042	84	10192	0.802	ug/L	96
19) 1,1-Dichloroethane	3.869	63	6149	0.337	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	56031	5.425	ug/L	99
25) Chloroform	5.081	83	20935	1.102	ug/L	97
34) Trichloroethene	6.541	95	27269	2.510	ug/L	96
35) Methylcyclohexane	6.688	83	15281	1.002	ug/L #	20
37) 1,2-Dichloropropane	6.688	63	7916	0.744	ug/L #	88
48) 2-Hexanone	8.685	43	15210	3.198	ug/L #	95
61) 1,2,3-Trichloropropane	11.814	75	12232	1.955	ug/L #	70

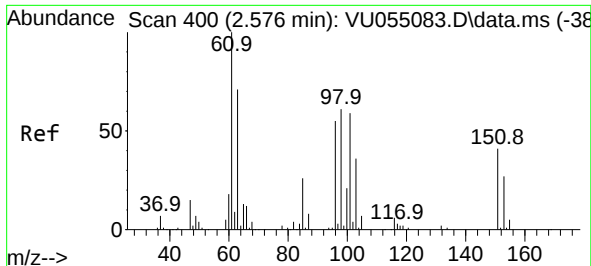
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.743 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU055105.D

Acq: 05 Sep 2023 19:39

Instrument :

MSVOA_U

ClientSampleId :

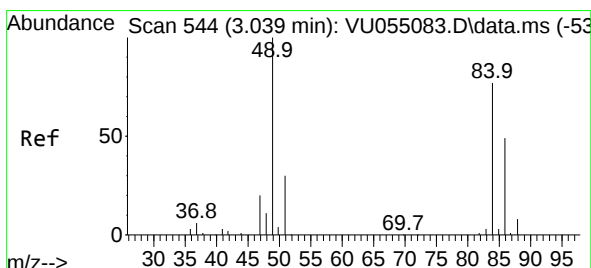
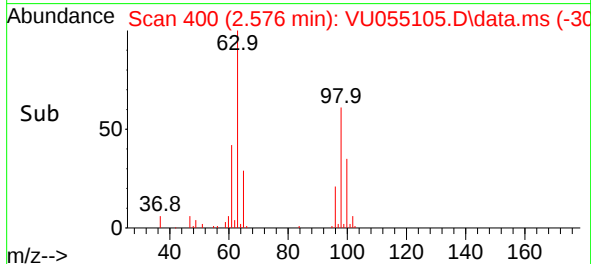
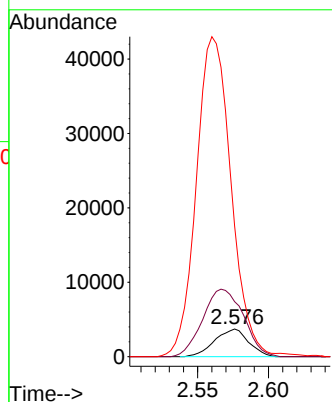
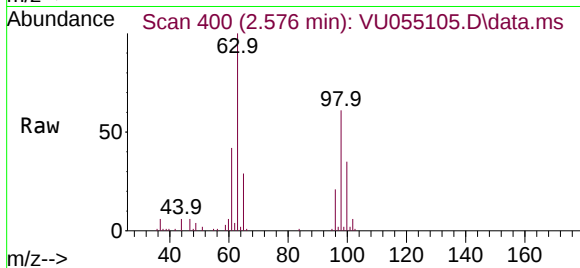
Tgt Ion: 96 Resp: 6179

Ion Ratio Lower Upper

96 100

61 199.4 120.8 224.4

63 473.6 94.5 175.5#



#16

Methylene chloride

Concen: 0.802 ug/L

RT: 3.042 min Scan# 545

Delta R.T. 0.003 min

Lab File: VU055105.D

Acq: 05 Sep 2023 19:39

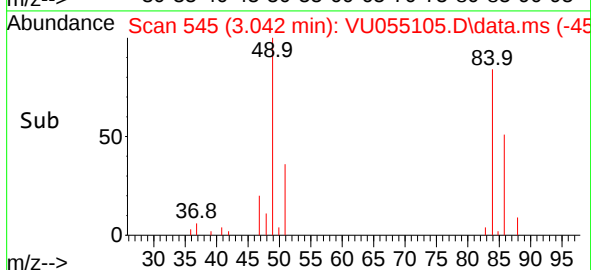
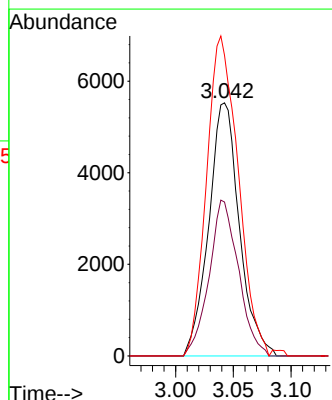
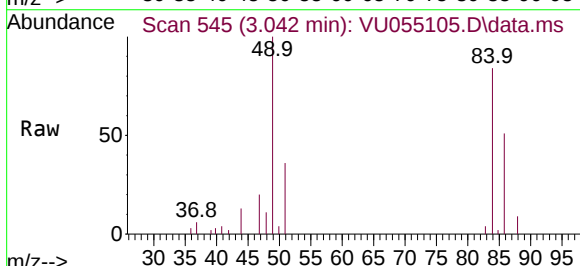
Tgt Ion: 84 Resp: 10192

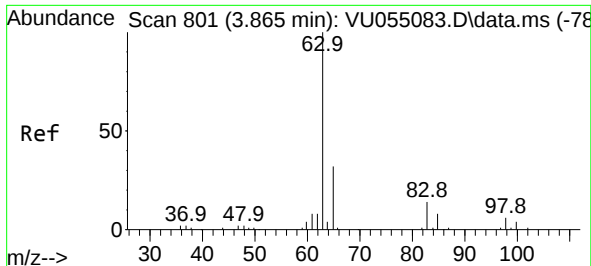
Ion Ratio Lower Upper

84 100

86 60.8 43.4 80.6

49 118.8 87.7 162.9





#19

1,1-Dichloroethane

Concen: 0.337 ug/L

RT: 3.869 min Scan# 801

Delta R.T. 0.003 min

Lab File: VU055105.D

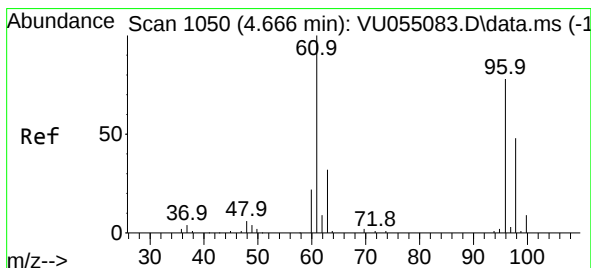
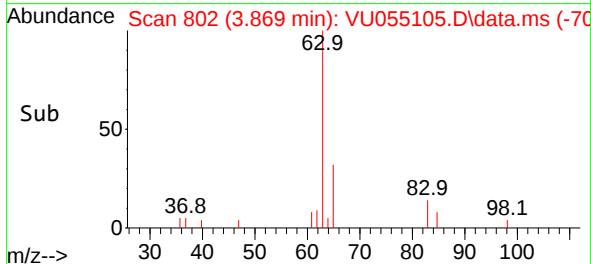
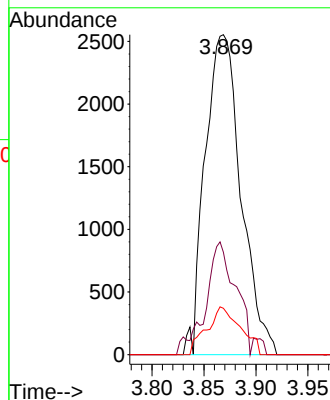
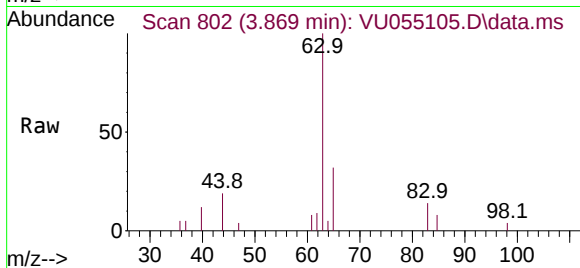
Acq: 05 Sep 2023 19:39

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 6149
Ion Ratio	Lower Upper
63 100	
65 32.0	22.2 41.2
83 14.5	10.6 19.8



#22

cis-1,2-Dichloroethene

Concen: 5.425 ug/L

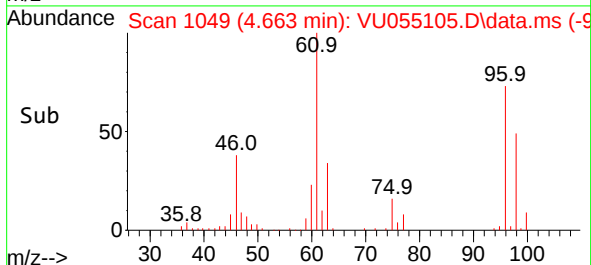
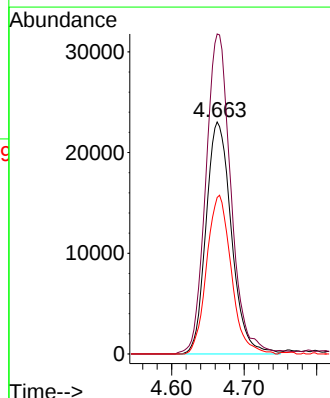
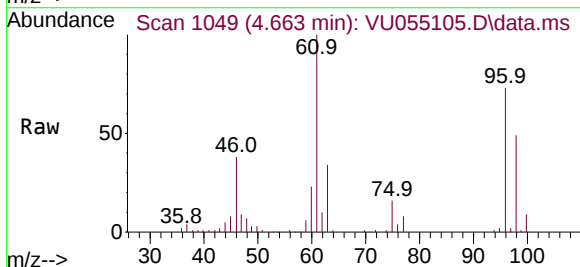
RT: 4.663 min Scan# 1049

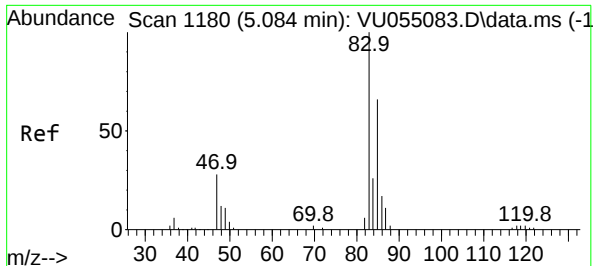
Delta R.T. -0.003 min

Lab File: VU055105.D

Acq: 05 Sep 2023 19:39

Tgt Ion: 96	Resp: 56031
Ion Ratio	Lower Upper
96 100	
61 137.9	97.2 180.4
98 67.5	46.1 85.7





#25

Chloroform

Concen: 1.102 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055105.D

Acq: 05 Sep 2023 19:39

Instrument :

MSVOA_U

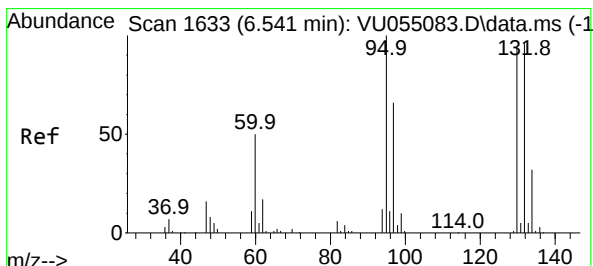
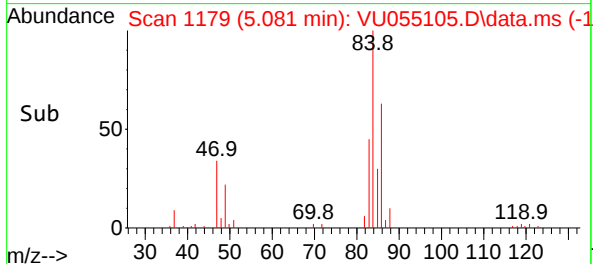
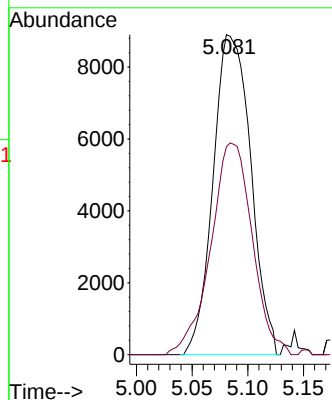
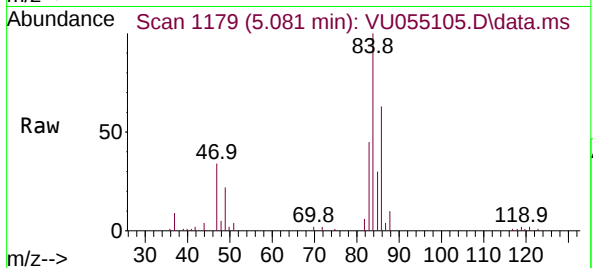
ClientSampleId :

Tgt Ion: 83 Resp: 20935

Ion Ratio Lower Upper

83 100

85 65.0 47.2 87.6



#34

Trichloroethene

Concen: 2.510 ug/L

RT: 6.541 min Scan# 1633

Delta R.T. -0.000 min

Lab File: VU055105.D

Acq: 05 Sep 2023 19:39

Tgt Ion: 95 Resp: 27269

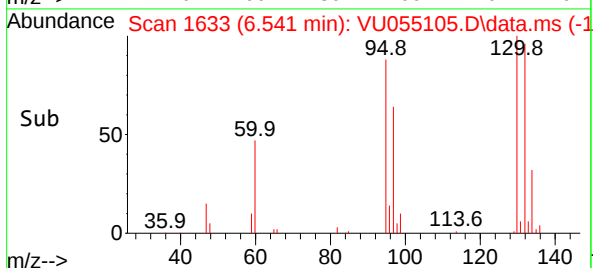
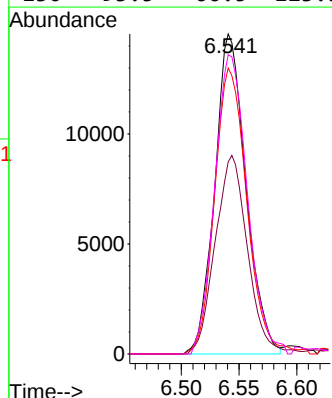
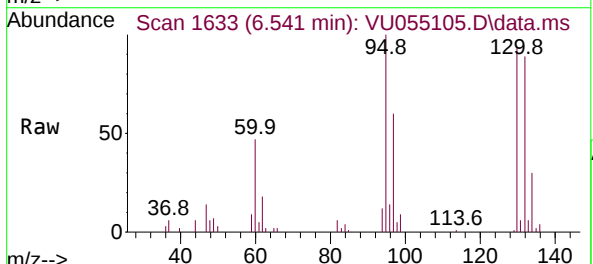
Ion Ratio Lower Upper

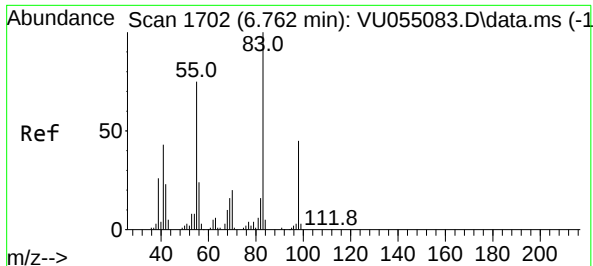
95 100

97 60.0 44.7 83.1

132 89.4 66.6 123.6

130 93.5 66.5 123.5

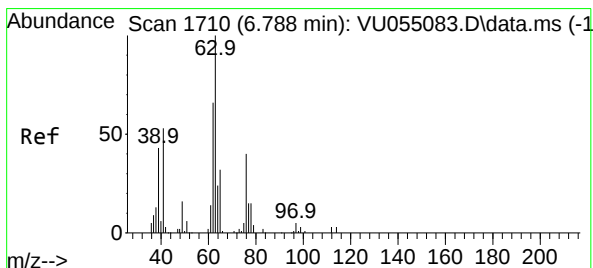
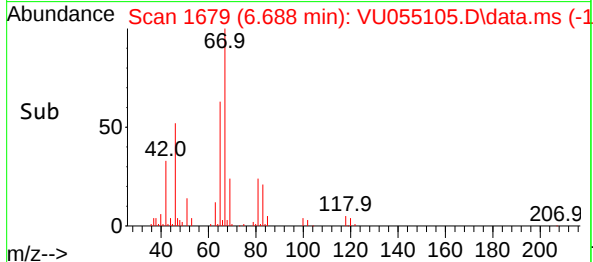
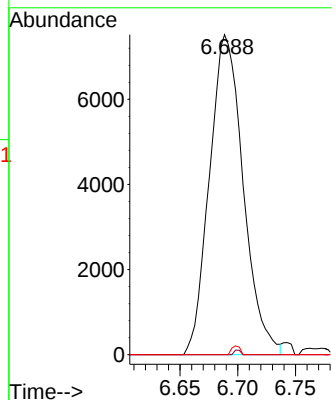
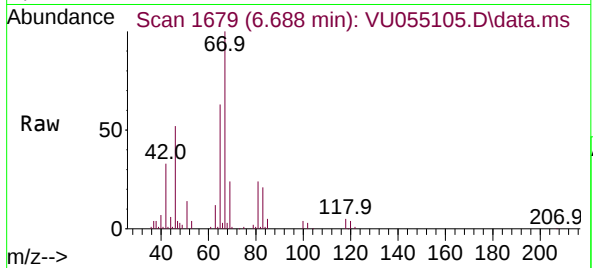




#35
Methylcyclohexane
Concen: 1.002 ug/L
RT: 6.688 min Scan# 1679
Delta R.T. -0.074 min
Lab File: VU055105.D
Acq: 05 Sep 2023 19:39

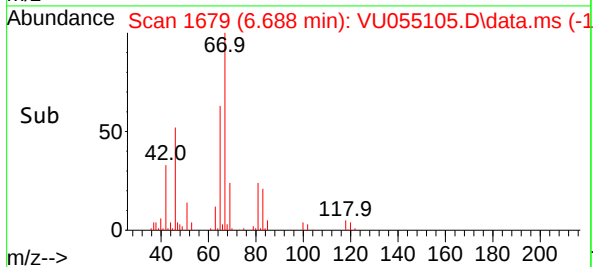
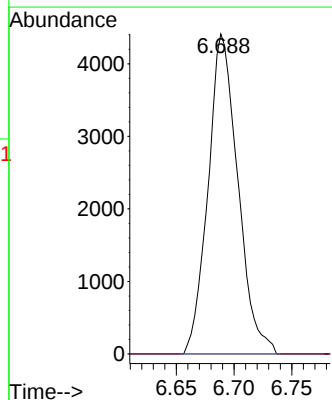
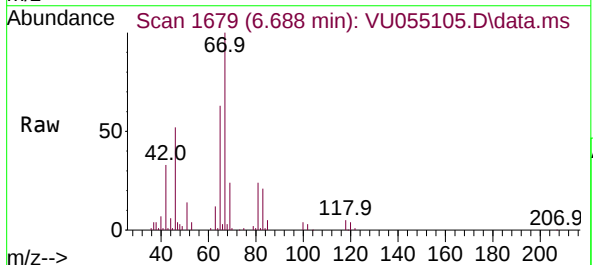
Instrument :
MSVOA_U
ClientSampleId :

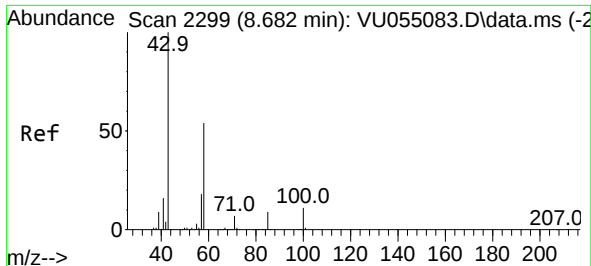
Tgt Ion: 83 Resp: 15281
Ion Ratio Lower Upper
83 100
55 0.3 60.4 90.6#
98 0.7 35.3 52.9#



#37
1,2-Dichloropropane
Concen: 0.744 ug/L
RT: 6.688 min Scan# 1679
Delta R.T. -0.100 min
Lab File: VU055105.D
Acq: 05 Sep 2023 19:39

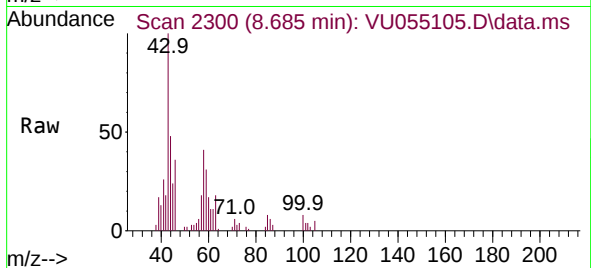
Tgt Ion: 63 Resp: 7916
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



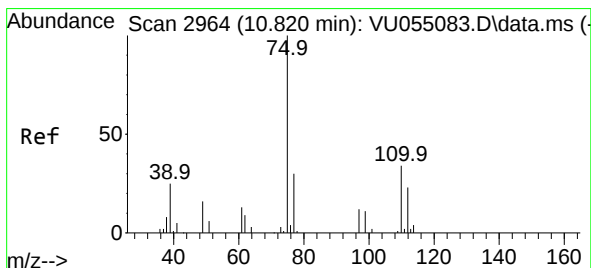
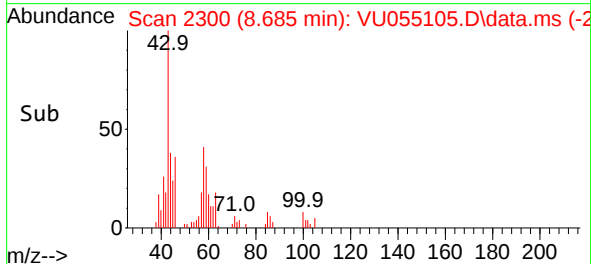
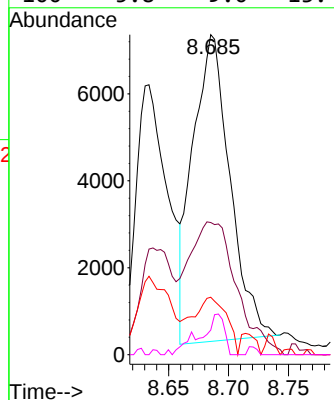


#48
2-Hexanone
Concen: 3.198 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055105.D
Acq: 05 Sep 2023 19:39

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	43	Resp:	15210
Ion	Ratio	Lower	Upper
43	100		
58	57.0	44.0	66.0
57	16.5	16.2	24.2
100	5.8	9.0	13.4



#61
1,2,3-Trichloropropane
Concen: 1.955 ug/L
RT: 11.814 min Scan# 3273
Delta R.T. 0.994 min
Lab File: VU055105.D
Acq: 05 Sep 2023 19:39

Tgt Ion:	75	Resp:	12232
Ion	Ratio	Lower	Upper
75	100		
110	2.9	28.2	42.2
77	34.3	26.2	39.4

