

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090523\
 Data File : VU055112.D
 Acq On : 05 Sep 2023 23:00
 Operator : MD/SY
 Sample : 04230-20
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 06 05:24:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 05:03:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	181046	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	190934	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	99014	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	38534	4.541	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.800%
7) Chloroethane-d5	1.908	69	44306	4.511	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	2.560	65	22872	4.731	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.600%
20) 2-Butanone-d5	4.628	46	133274	54.124	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.240%
24) Chloroform-d	5.062	84	110430	4.904	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.000%
26) 1,2-Dichloroethane-d4	5.702	65	58313	5.177	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	5.724	84	214199	4.545	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
36) 1,2-Dichloropropane-d6	6.689	67	71700	4.783	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.898	98	189582	4.367	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
43) trans-1,3-Dichloroprop...	8.181	79	18127	4.391	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.634	63	82547	49.254	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.500%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	53900	5.113	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	68137	4.715	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	1463	0.139	ug/L #	87
3) Chloromethane	1.515	50	2302	0.215	ug/L	95
12) 1,1-Dichloroethene	2.573	96	19127	2.285	ug/L #	48
17) Methyl tert-butyl Ether	3.361	73	2512	0.114	ug/L #	83
19) 1,1-Dichloroethane	3.866	63	10558	0.575	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	74428	7.160	ug/L	93
25) Chloroform	5.087	83	29574	1.547	ug/L	97
27) 1,2-Dichloroethane	5.798	62	2562	0.220	ug/L #	76
29) 1,1,1-Trichloroethane	5.306	97	2362	0.143	ug/L #	77
31) Carbon tetrachloride	5.518	117	2576	0.188	ug/L	86
34) Trichloroethene	6.541	95	65905	5.836	ug/L	97
35) Methylcyclohexane	6.692	83	17052	1.076	ug/L #	20
37) 1,2-Dichloropropane	6.689	63	8024	0.725	ug/L #	88
39) cis-1,3-Dichloropropene	7.570	75	1735	0.115	ug/L #	75
48) 2-Hexanone	8.685	43	19414	3.927	ug/L #	93
61) 1,2,3-Trichloropropane	11.811	75	13641	2.076	ug/L #	70

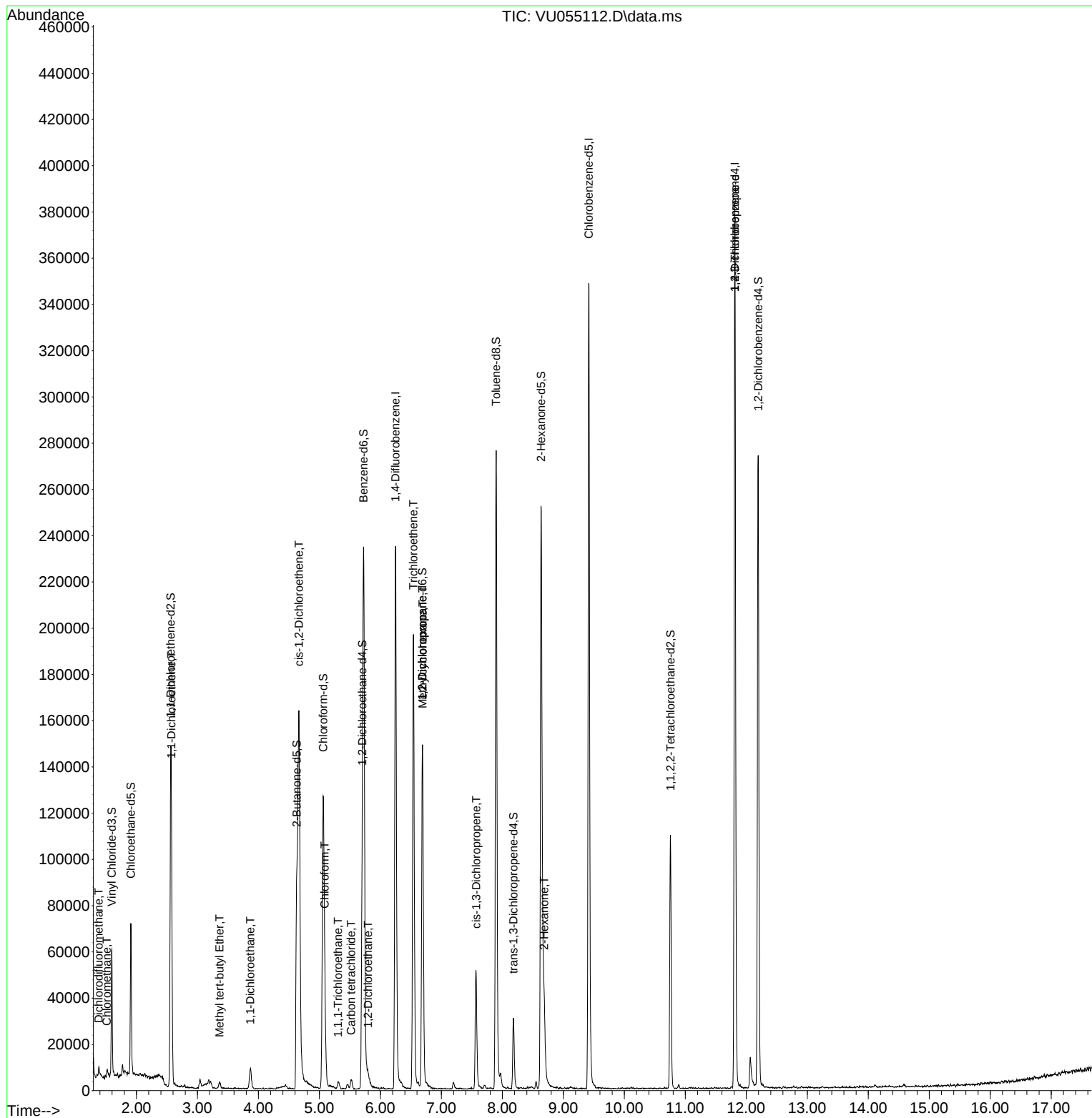
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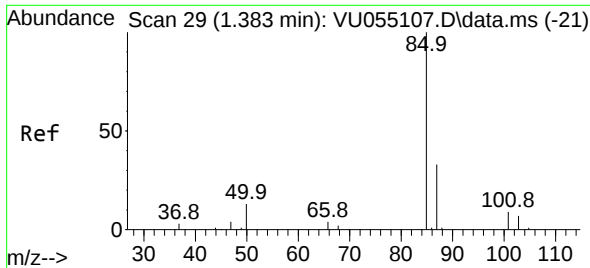
Instrument :
MSVOA_U
ClientSampleId :

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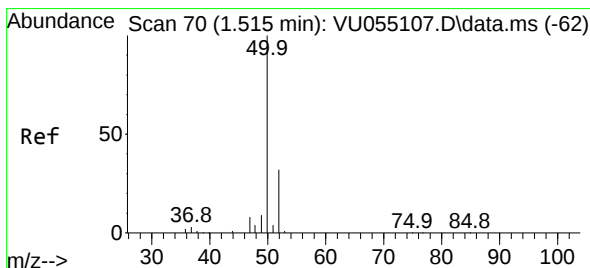
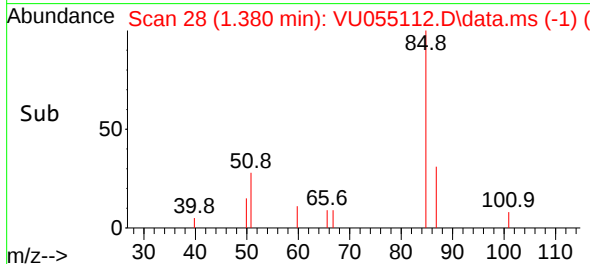
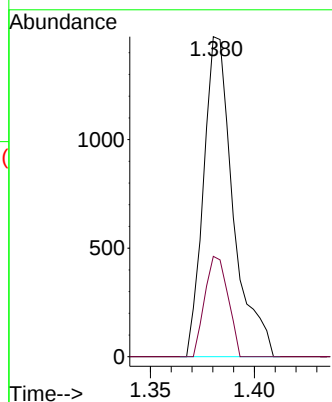
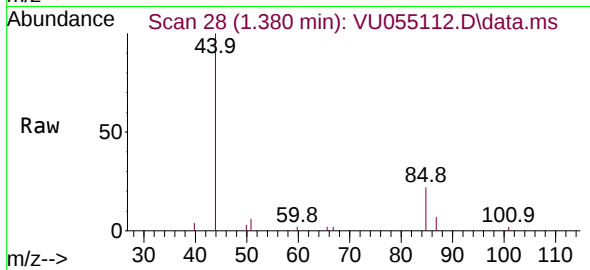




#2
Dichlorodifluoromethane
Concen: 0.139 ug/L
RT: 1.380 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055112.D
Acq: 05 Sep 2023 23:00

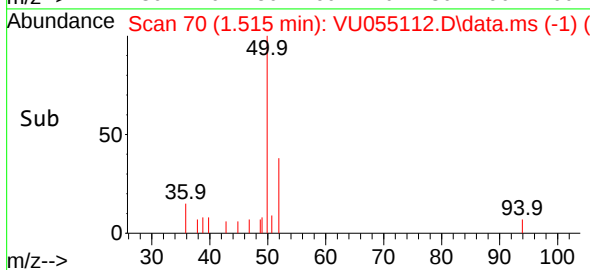
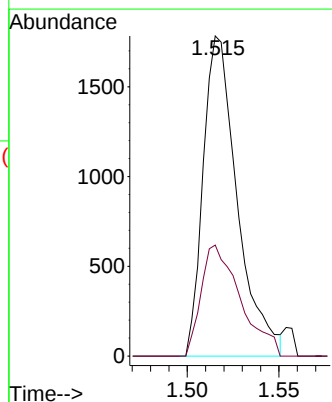
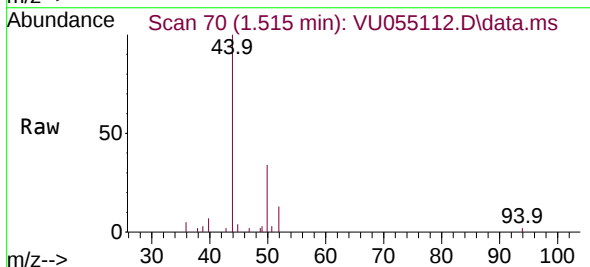
Instrument :
MSVOA_U
ClientSampleId :

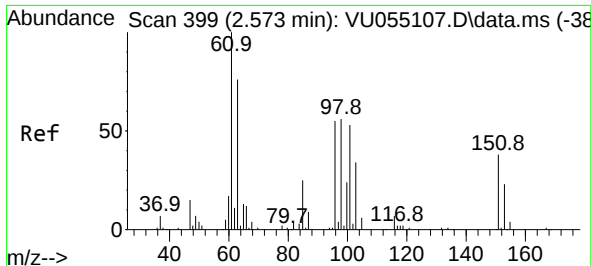
Tgt Ion: 85 Resp: 1463
Ion Ratio Lower Upper
85 100
87 24.4 25.1 37.7#



#3
Chloromethane
Concen: 0.215 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU055112.D
Acq: 05 Sep 2023 23:00

Tgt Ion: 50 Resp: 2302
Ion Ratio Lower Upper
50 100
52 34.7 22.5 41.7





#12

1,1-Dichloroethene

Concen: 2.285 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU055112.D

Acq: 05 Sep 2023 23:00

Instrument :

MSVOA_U

ClientSampleId :

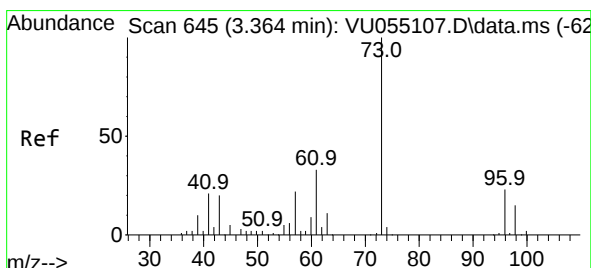
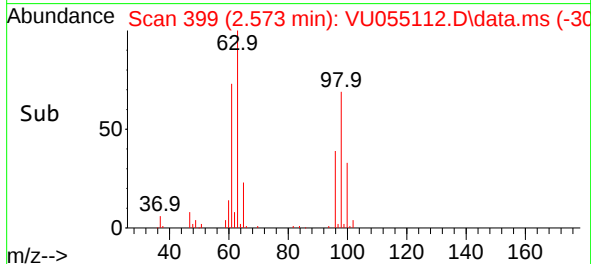
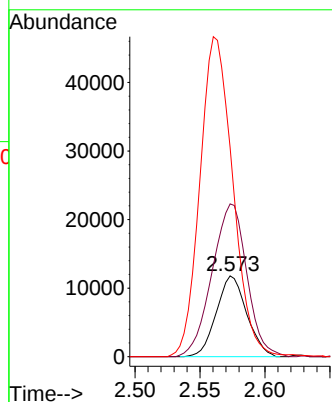
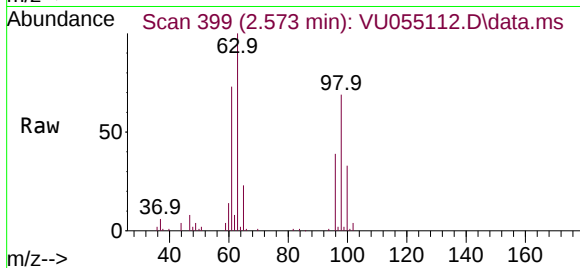
Tgt Ion: 96 Resp: 19127

Ion Ratio Lower Upper

96 100

61 189.1 120.8 224.4

63 258.8 94.5 175.5#



#17

Methyl tert-butyl Ether

Concen: 0.114 ug/L

RT: 3.361 min Scan# 644

Delta R.T. -0.003 min

Lab File: VU055112.D

Acq: 05 Sep 2023 23:00

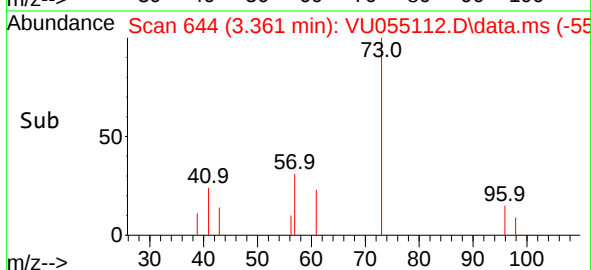
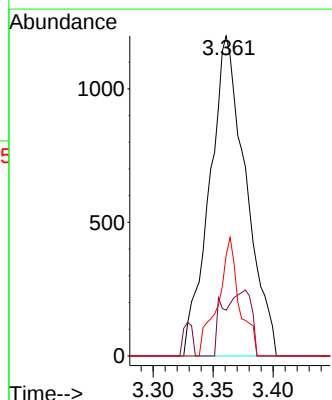
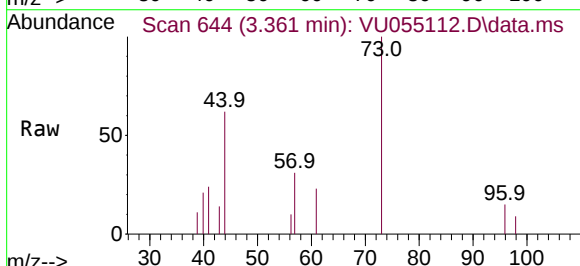
Tgt Ion: 73 Resp: 2512

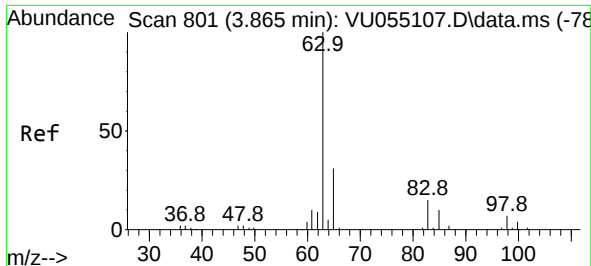
Ion Ratio Lower Upper

73 100

43 4.3 16.2 24.2#

57 21.9 17.4 26.2





#19

1,1-Dichloroethane

Concen: 0.575 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

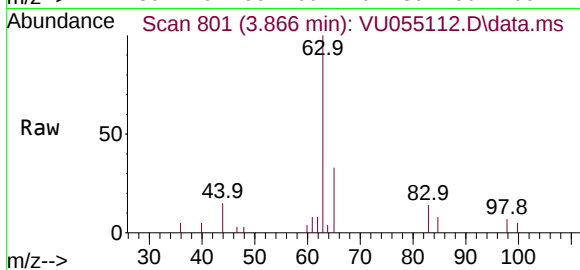
Lab File: VU055112.D

Acq: 05 Sep 2023 23:00

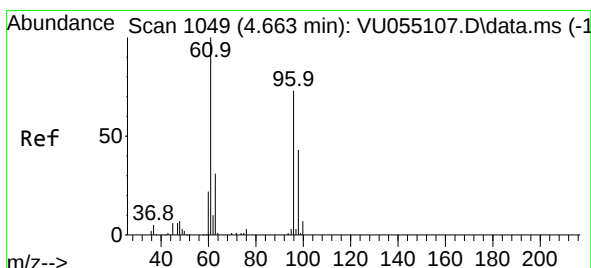
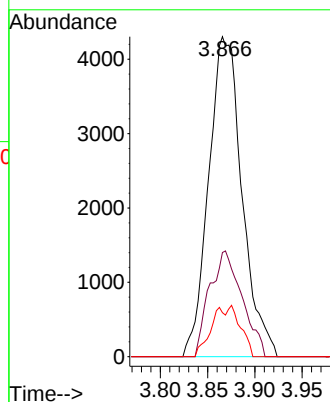
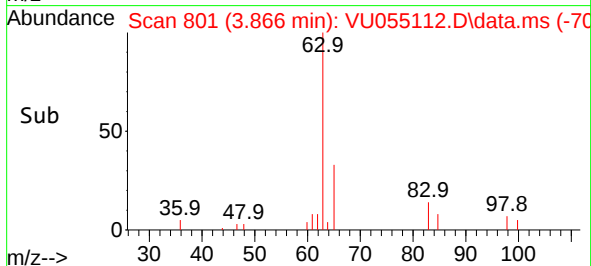
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	63	Resp:	10558
Ion Ratio	Lower	Upper	
63	100		
65	31.3	22.2	41.2
83	13.2	10.6	19.8



#22

cis-1,2-Dichloroethene

Concen: 7.160 ug/L

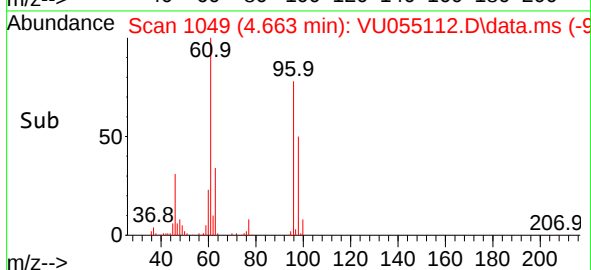
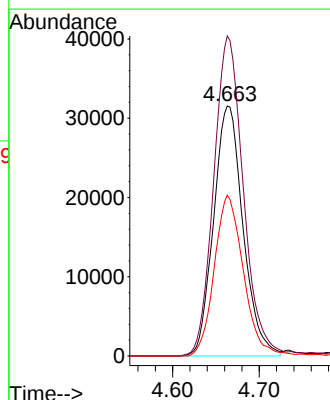
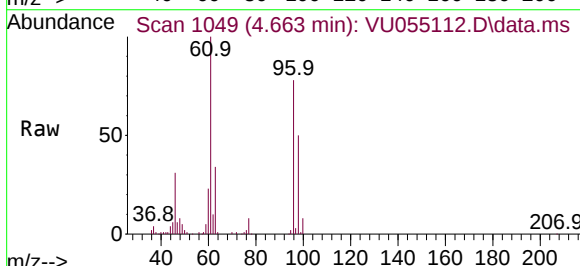
RT: 4.663 min Scan# 1049

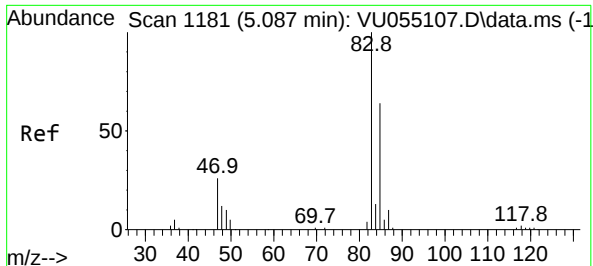
Delta R.T. 0.000 min

Lab File: VU055112.D

Acq: 05 Sep 2023 23:00

Tgt Ion:	96	Resp:	74428
Ion Ratio	Lower	Upper	
96	100		
61	128.0	97.2	180.4
98	64.3	46.1	85.7





#25

Chloroform

Concen: 1.547 ug/L

RT: 5.087 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VU055112.D

Acq: 05 Sep 2023 23:00

Instrument :

MSVOA_U

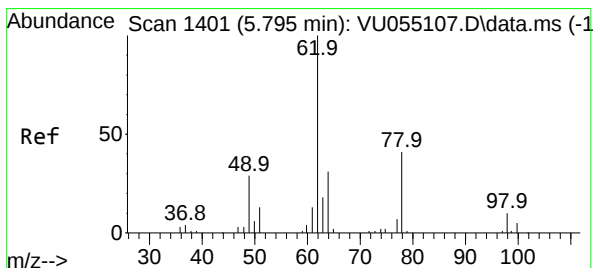
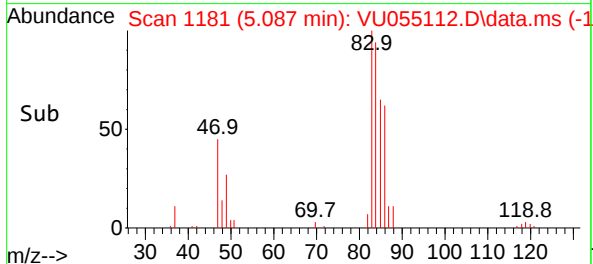
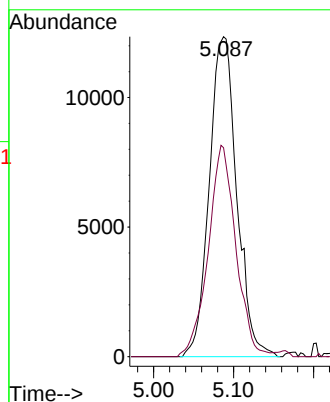
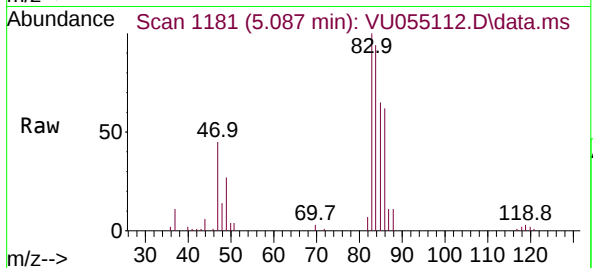
ClientSampleId :

Tgt Ion: 83 Resp: 29574

Ion Ratio Lower Upper

83 100

85 65.3 47.2 87.6



#27

1,2-Dichloroethane

Concen: 0.220 ug/L

RT: 5.798 min Scan# 1402

Delta R.T. 0.003 min

Lab File: VU055112.D

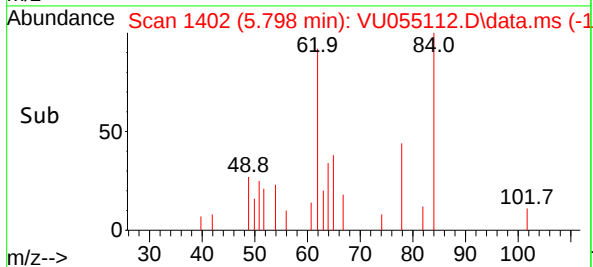
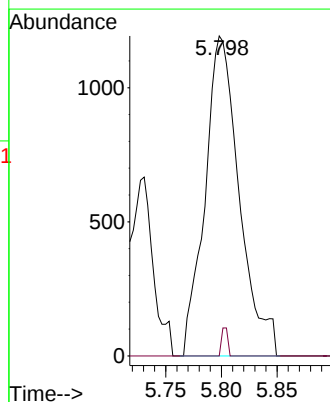
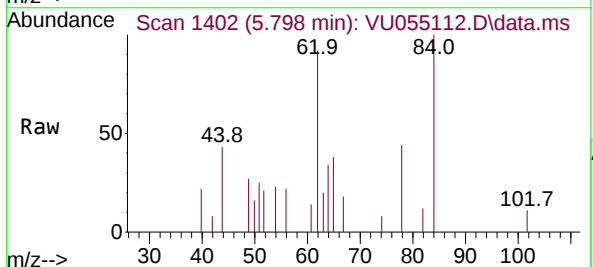
Acq: 05 Sep 2023 23:00

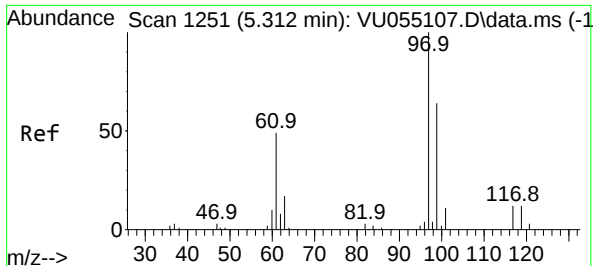
Tgt Ion: 62 Resp: 2562

Ion Ratio Lower Upper

62 100

98 0.0 6.9 10.3#





#29

1,1,1-Trichloroethane

Concen: 0.143 ug/L

RT: 5.306 min Scan# 11

Delta R.T. -0.006 min

Lab File: VU055112.D

Acq: 05 Sep 2023 23:00

Instrument :

MSVOA_U

ClientSampleId :

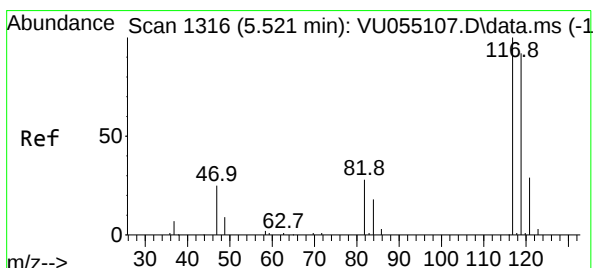
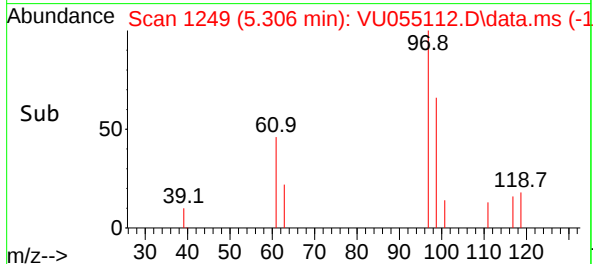
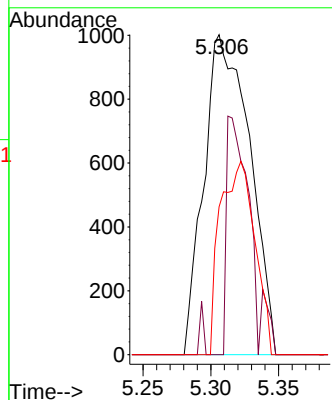
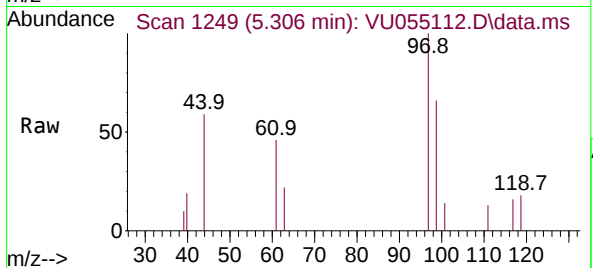
Tgt Ion: 97 Resp: 2362

Ion Ratio Lower Upper

97 100

99 34.3 51.8 77.8#

61 45.4 36.8 55.2



#31

Carbon tetrachloride

Concen: 0.188 ug/L

RT: 5.518 min Scan# 1315

Delta R.T. -0.003 min

Lab File: VU055112.D

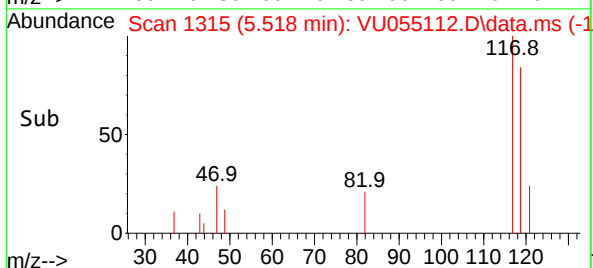
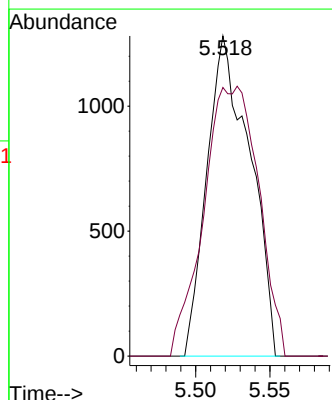
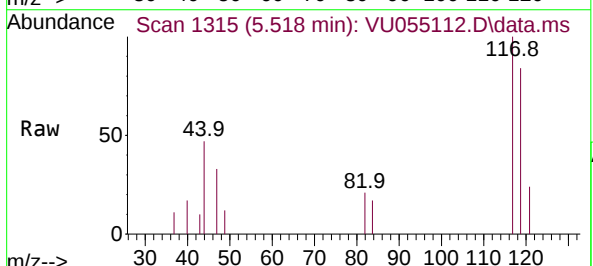
Acq: 05 Sep 2023 23:00

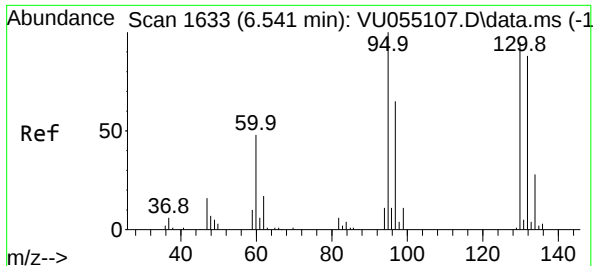
Tgt Ion: 117 Resp: 2576

Ion Ratio Lower Upper

117 100

119 107.5 75.4 113.0

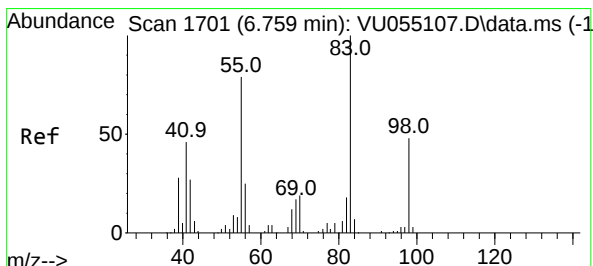
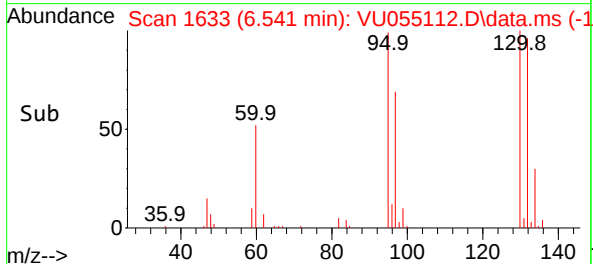
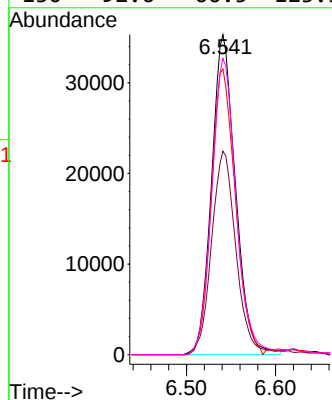
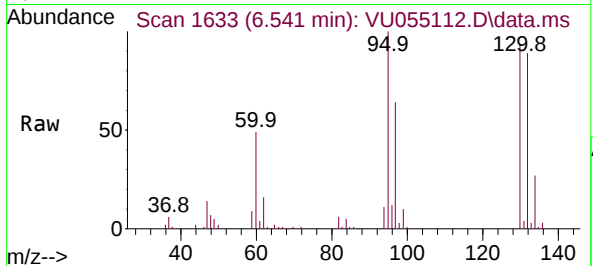




#34
Trichloroethene
Concen: 5.836 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055112.D
Acq: 05 Sep 2023 23:00

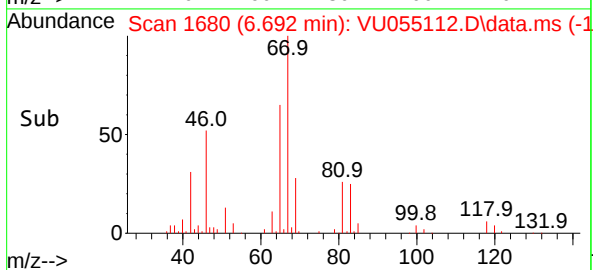
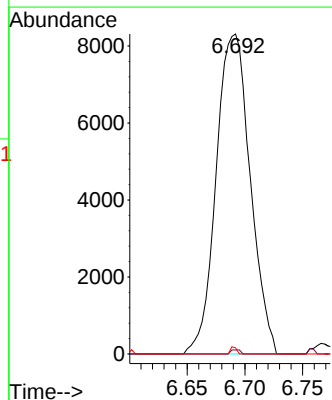
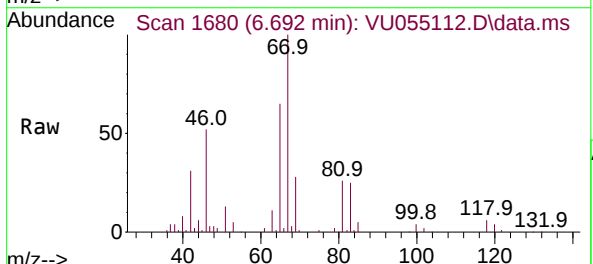
Instrument :
MSVOA_U
ClientSampleId :

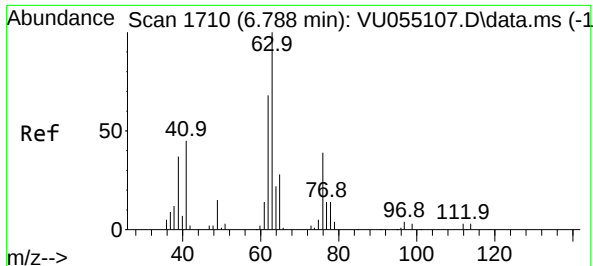
Tgt Ion: 95 Resp: 65905
Ion Ratio Lower Upper
95 100
97 63.6 44.7 83.1
132 89.3 66.6 123.6
130 92.6 66.5 123.5



#35
Methylcyclohexane
Concen: 1.076 ug/L
RT: 6.692 min Scan# 1680
Delta R.T. -0.067 min
Lab File: VU055112.D
Acq: 05 Sep 2023 23:00

Tgt Ion: 83 Resp: 17052
Ion Ratio Lower Upper
83 100
55 0.4 60.4 90.6#
98 1.7 35.3 52.9#





#37

1,2-Dichloropropane

Concen: 0.725 ug/L

RT: 6.689 min Scan# 1

Delta R.T. -0.099 min

Lab File: VU055112.D

Acq: 05 Sep 2023 23:00

Instrument :

MSVOA_U

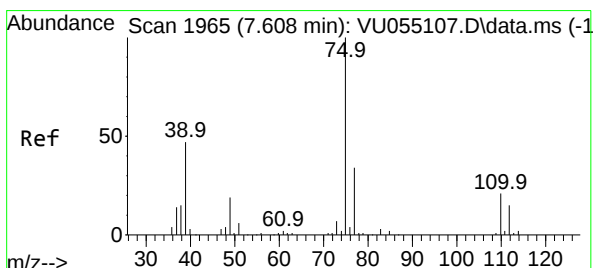
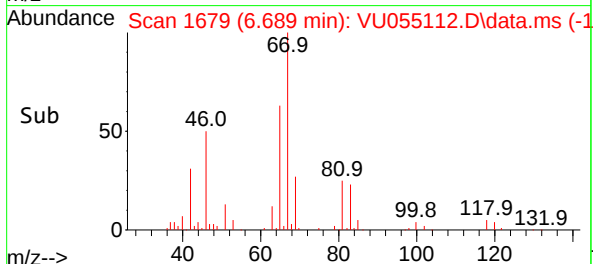
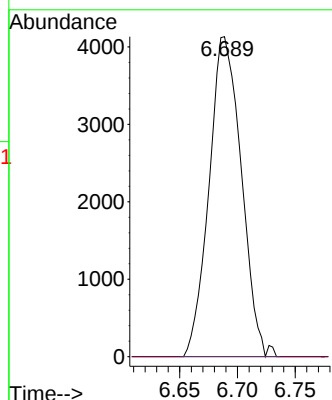
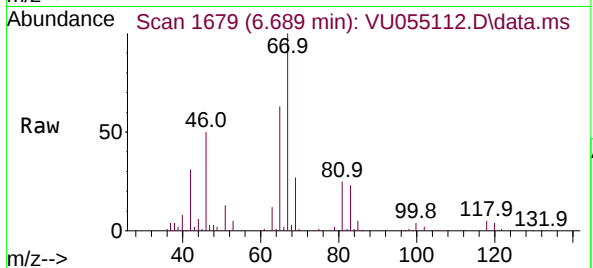
ClientSampleId :

Tgt Ion: 63 Resp: 8024

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.115 ug/L

RT: 7.570 min Scan# 1953

Delta R.T. -0.038 min

Lab File: VU055112.D

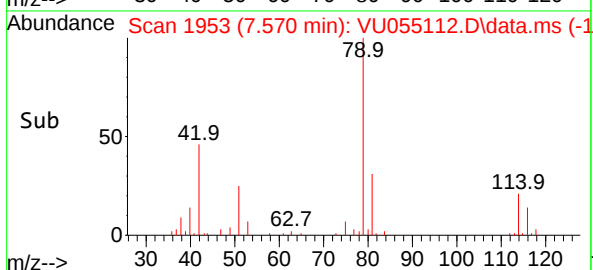
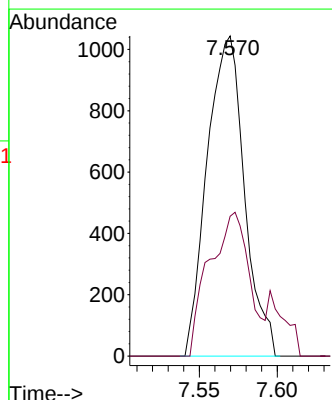
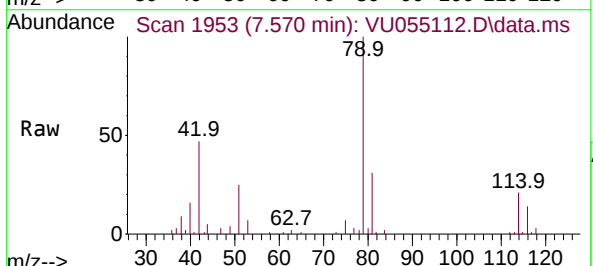
Acq: 05 Sep 2023 23:00

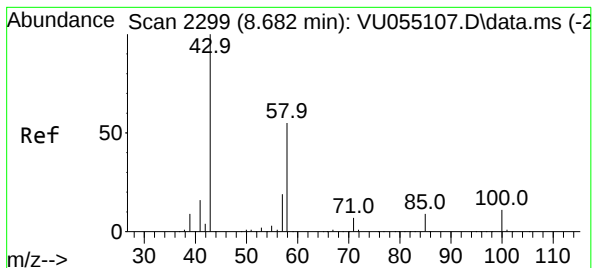
Tgt Ion: 75 Resp: 1735

Ion Ratio Lower Upper

75 100

77 43.7 20.9 38.9#





#48

2-Hexanone

Concen: 3.927 ug/L

RT: 8.685 min Scan# 21

Delta R.T. 0.003 min

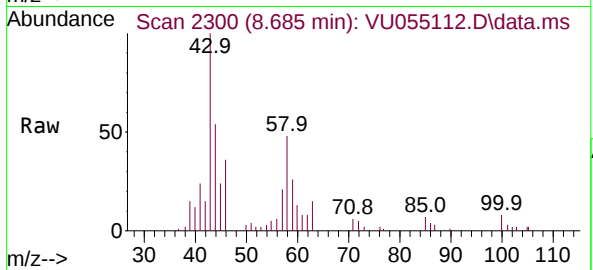
Lab File: VU055112.D

Acq: 05 Sep 2023 23:00

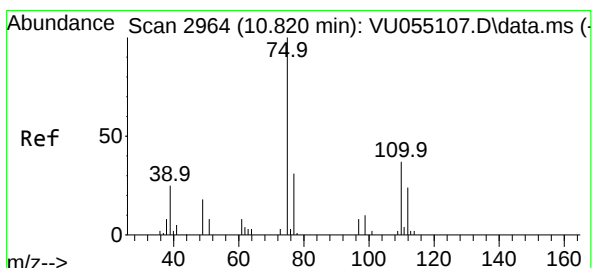
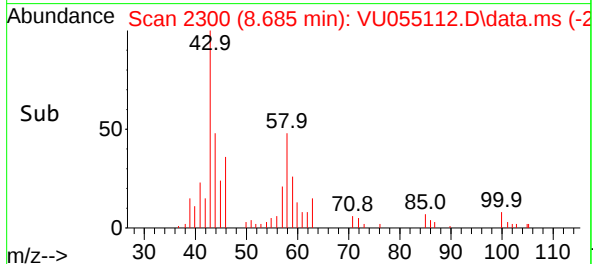
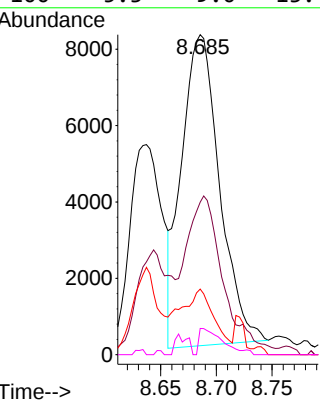
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	43	Resp:	19414
Ion	Ratio	Lower	Upper
43	100		
58	50.3	44.0	66.0
57	19.5	16.2	24.2
100	5.3	9.0	13.4



#61

1,2,3-Trichloropropane

Concen: 2.076 ug/L

RT: 11.811 min Scan# 3272

Delta R.T. 0.991 min

Lab File: VU055112.D

Acq: 05 Sep 2023 23:00

Tgt Ion:	75	Resp:	13641
Ion	Ratio	Lower	Upper
75	100		
110	2.8	28.2	42.2
77	34.6	26.2	39.4

