

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090523\
 Data File : VU055127.D
 Acq On : 06 Sep 2023 05:03
 Operator : MD/SY
 Sample : 04267-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 06 05:28:51 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	181933	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	184387	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	95558	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	32324	3.791	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.800%
7) Chloroethane-d5	1.907	69	41708	4.226	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.600%
11) 1,1-Dichloroethene-d2	2.560	65	20990	4.320	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.400%
20) 2-Butanone-d5	4.627	46	133173	53.820	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.640%
24) Chloroform-d	5.062	84	102804	4.543	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.701	65	55750	4.925	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	5.724	84	201887	4.436	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
36) 1,2-Dichloropropane-d6	6.688	67	68066	4.702	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.897	98	177466	4.233	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.600%
43) trans-1,3-Dichloroprop...	8.180	79	15323	3.844	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.800%
46) 2-Hexanone-d5	8.634	63	77192	47.694	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.380%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	49735	4.885	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	12.193	152	64512	4.625	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	1782	0.166	ug/L	91
5) Vinyl chloride	1.599	62	1291	0.114	ug/L #	38
12) 1,1-Dichloroethene	2.573	96	4245	0.505	ug/L #	1
17) Methyl tert-butyl Ether	3.367	73	3896	0.177	ug/L #	84
19) 1,1-Dichloroethane	3.865	63	3412	0.185	ug/L #	85
22) cis-1,2-Dichloroethene	4.663	96	240074	22.982	ug/L	98
25) Chloroform	5.090	83	15751	0.820	ug/L	88
34) Trichloroethene	6.541	95	257156	23.579	ug/L	99
35) Methylcyclohexane	6.692	83	14576	0.953	ug/L #	19
37) 1,2-Dichloropropane	6.692	63	7605	0.712	ug/L #	88
42) Toluene	7.968	91	10689	0.255	ug/L	97
47) Tetrachloroethene	8.550	164	1975	0.262	ug/L	94
48) 2-Hexanone	8.685	43	17720	3.712	ug/L #	84
49) Dibromochloromethane	8.553	129	2037	0.259	ug/L #	9
51) Chlorobenzene	9.450	112	3738	0.135	ug/L	86
61) 1,2,3-Trichloropropane	11.810	75	13592	2.143	ug/L #	70

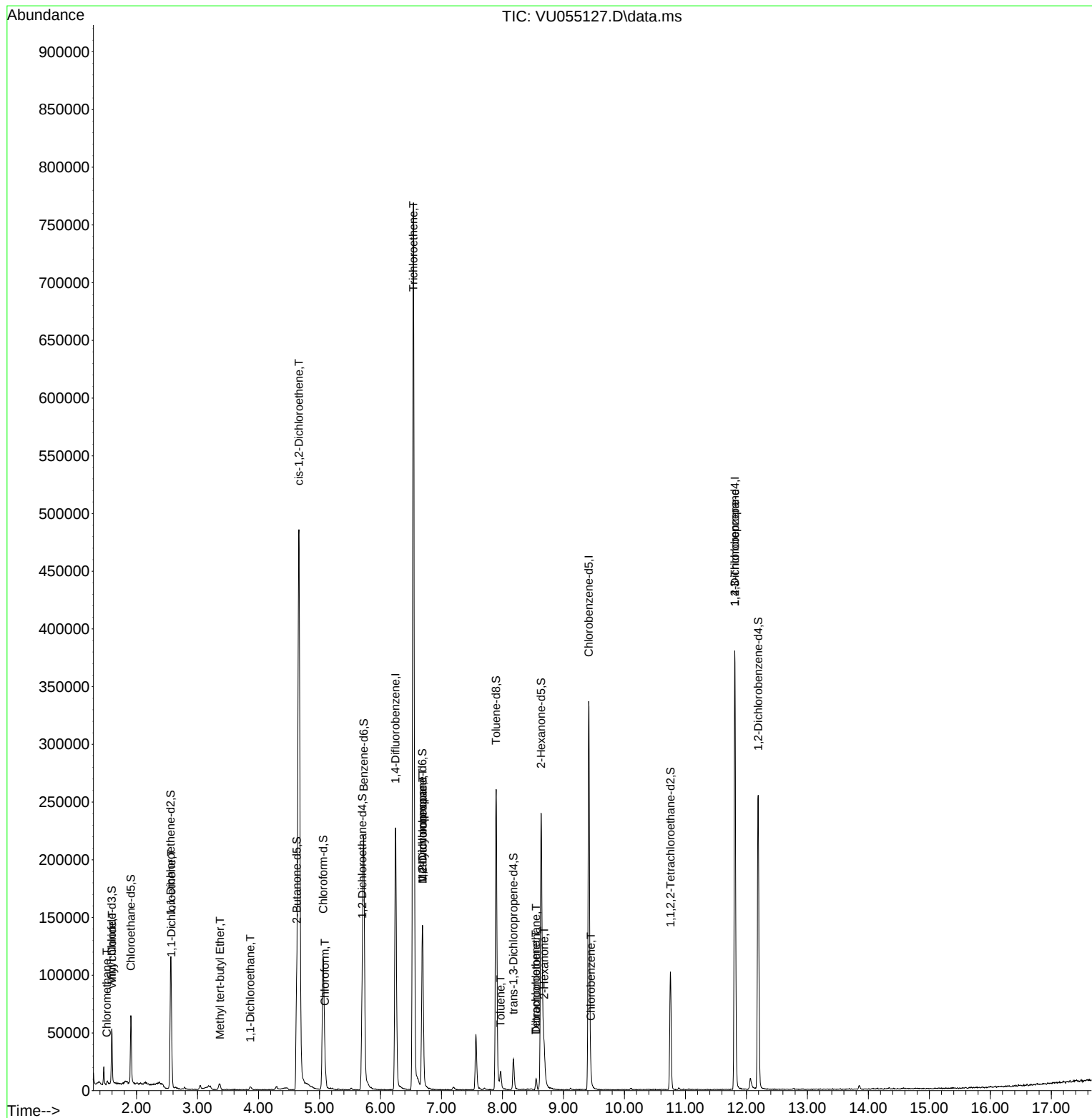
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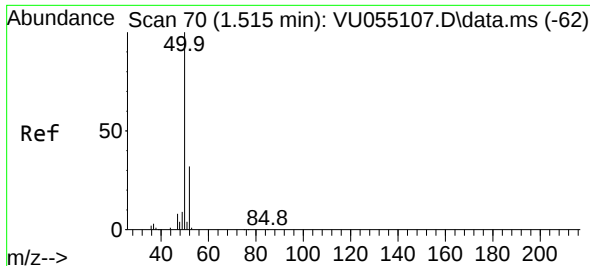
Instrument :
MSVOA_U
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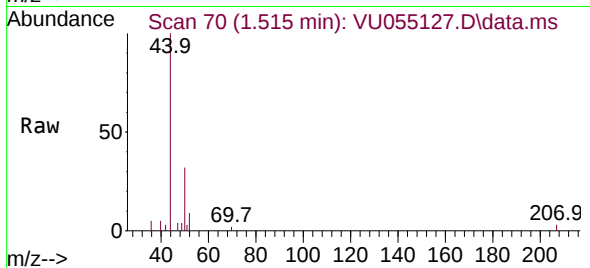


#3
Chloromethane
Concen: 0.166 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU055127.D
Acq: 06 Sep 2023 05:03

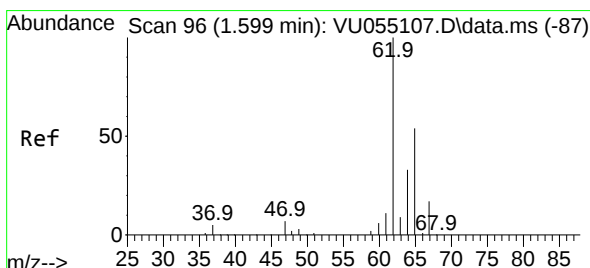
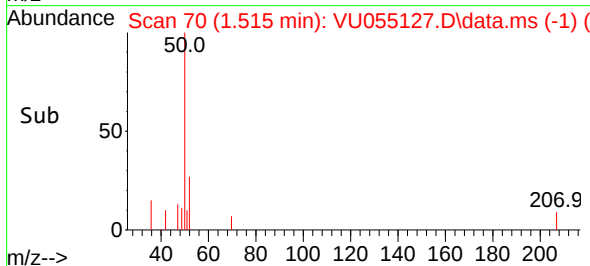
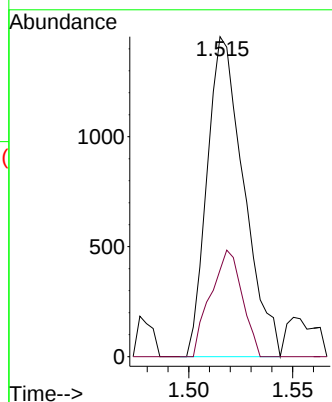
Instrument :

MSVOA_U

ClientSampleId :

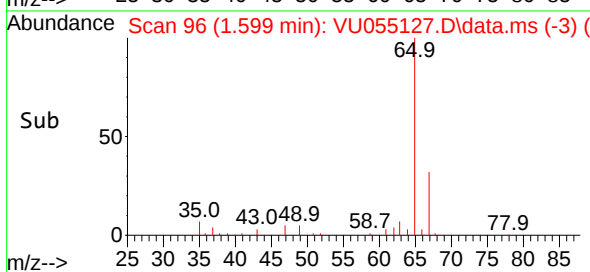
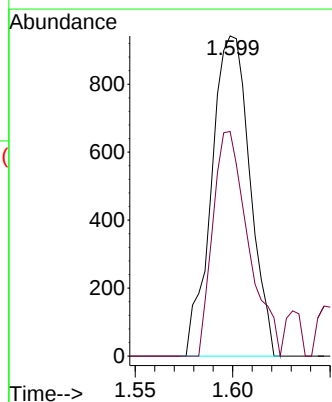
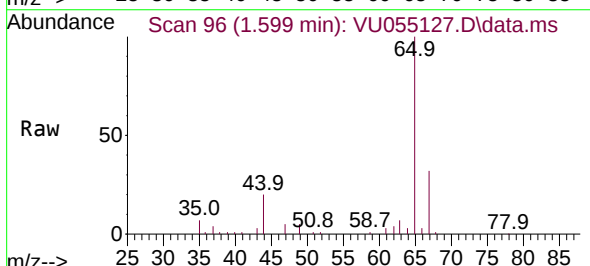


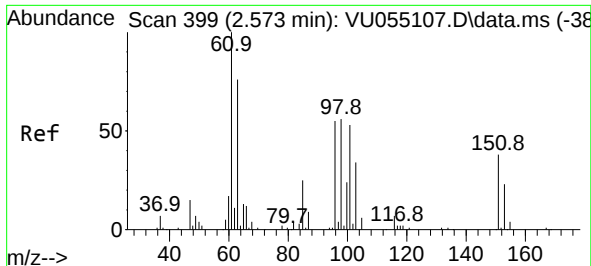
Tgt Ion: 50 Resp: 1782
Ion Ratio Lower Upper
50 100
52 27.1 22.5 41.7



#5
Vinyl chloride
Concen: 0.114 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU055127.D
Acq: 06 Sep 2023 05:03

Tgt Ion: 62 Resp: 1291
Ion Ratio Lower Upper
62 100
64 70.2 24.2 45.0#





#12

1,1-Dichloroethene

Concen: 0.505 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU055127.D

Acq: 06 Sep 2023 05:03

Instrument :

MSVOA_U

ClientSampleId :

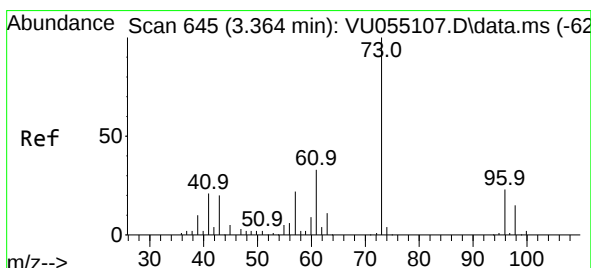
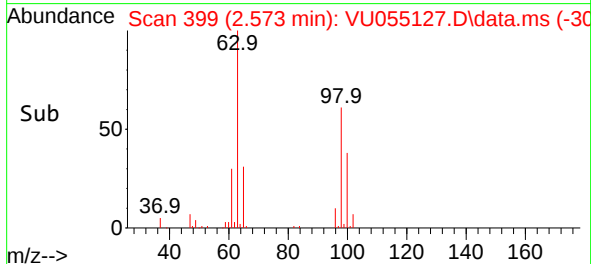
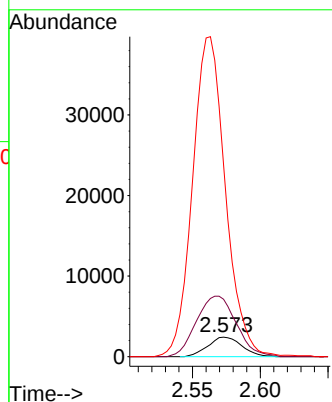
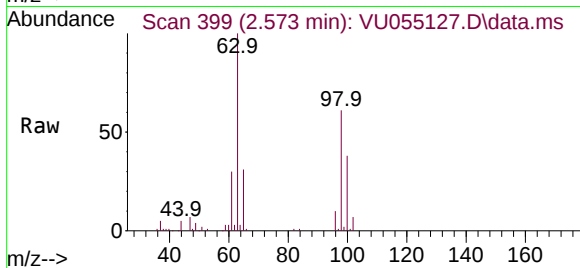
Tgt Ion: 96 Resp: 4245

Ion Ratio Lower Upper

96 100

61 294.7 120.8 224.4#

63 985.1 94.5 175.5#



#17

Methyl tert-butyl Ether

Concen: 0.177 ug/L

RT: 3.367 min Scan# 646

Delta R.T. 0.003 min

Lab File: VU055127.D

Acq: 06 Sep 2023 05:03

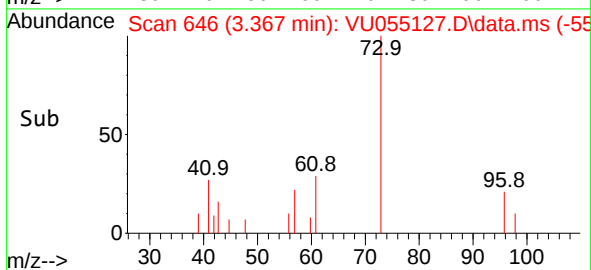
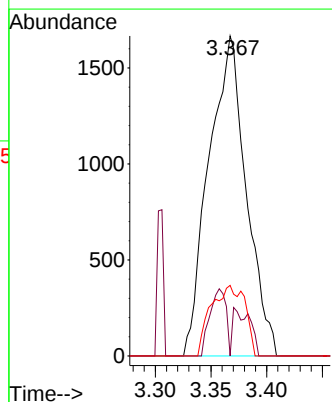
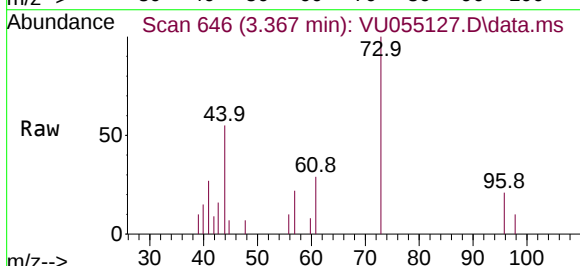
Tgt Ion: 73 Resp: 3896

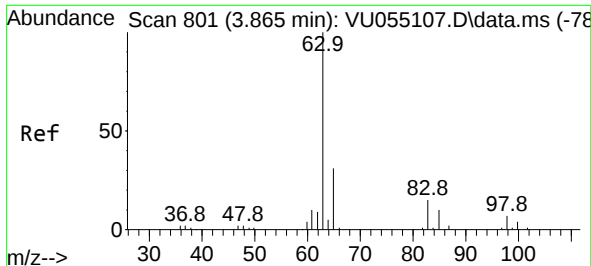
Ion Ratio Lower Upper

73 100

43 6.8 16.2 24.2#

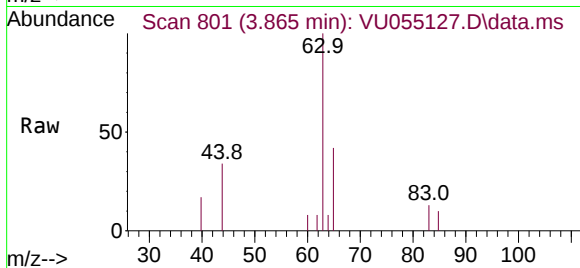
57 19.9 17.4 26.2



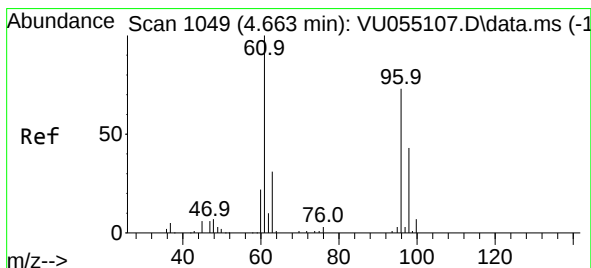
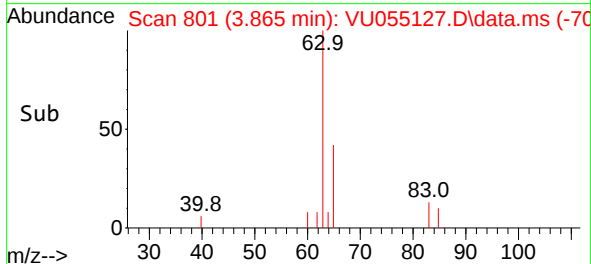
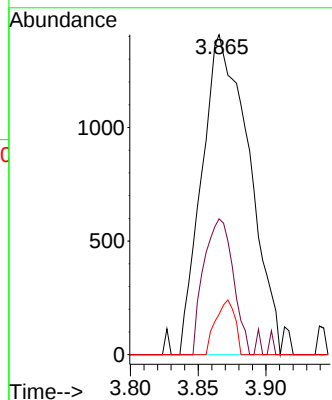


#19
1,1-Dichloroethane
Concen: 0.185 ug/L
RT: 3.865 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU055127.D
Acq: 06 Sep 2023 05:03

Instrument :
MSVOA_U
ClientSampleId :

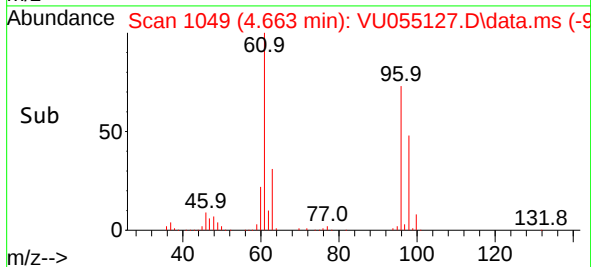
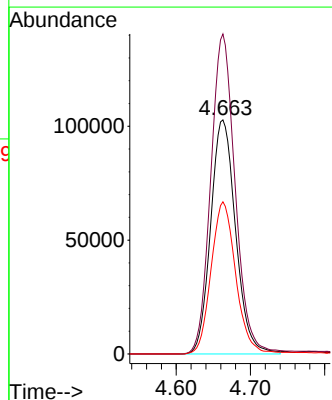
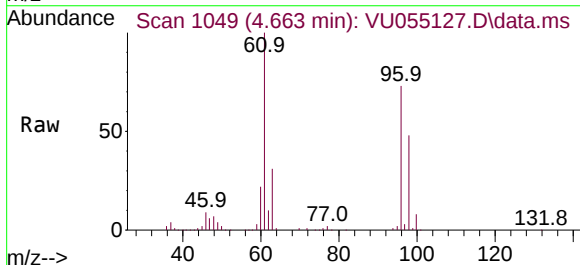


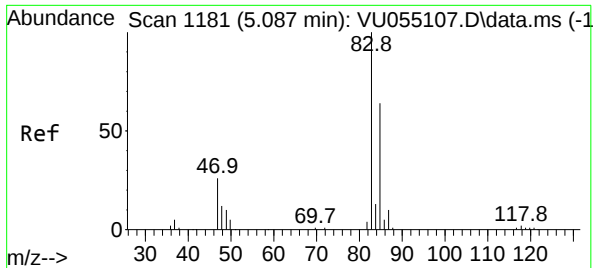
Tgt Ion: 63 Resp: 3412
Ion Ratio Lower Upper
63 100
65 42.5 22.2 41.2#
83 12.6 10.6 19.8



#22
cis-1,2-Dichloroethene
Concen: 22.982 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU055127.D
Acq: 06 Sep 2023 05:03

Tgt Ion: 96 Resp: 240074
Ion Ratio Lower Upper
96 100
61 136.7 97.2 180.4
98 65.0 46.1 85.7

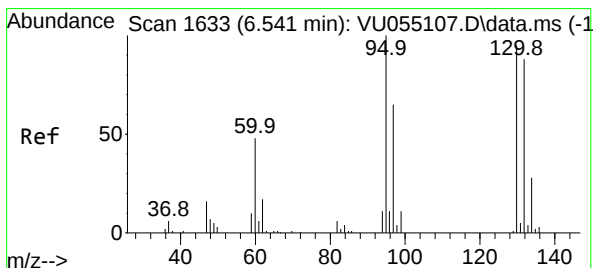
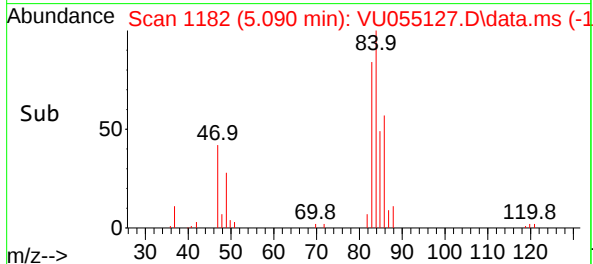
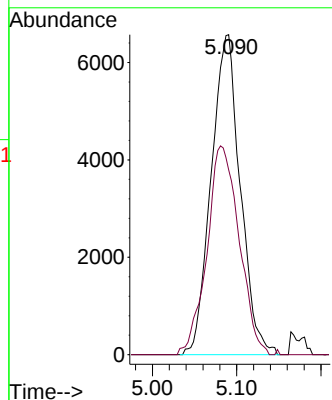
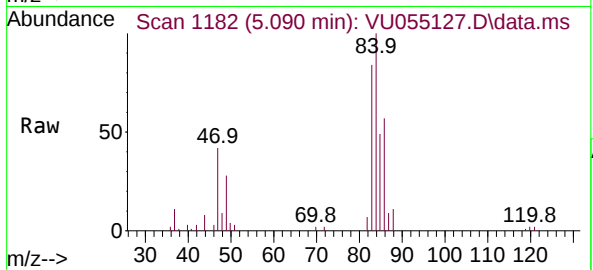




#25
Chloroform
Concen: 0.820 ug/L
RT: 5.090 min Scan# 1181
Delta R.T. 0.003 min
Lab File: VU055127.D
Acq: 06 Sep 2023 05:03

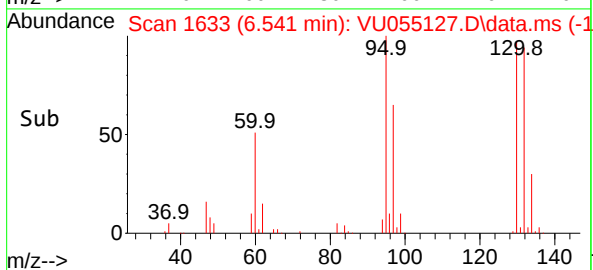
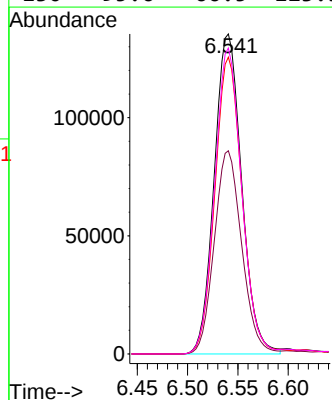
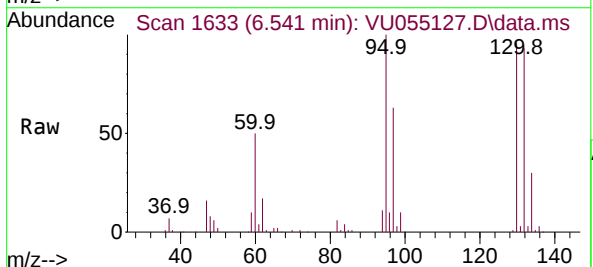
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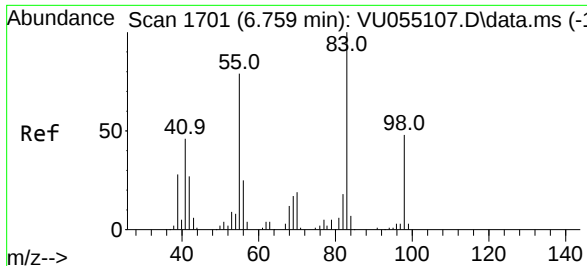
Tgt Ion: 83 Resp: 15751
Ion Ratio Lower Upper
83 100
85 57.8 47.2 87.6



#34
Trichloroethene
Concen: 23.579 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.000 min
Lab File: VU055127.D
Acq: 06 Sep 2023 05:03

Tgt Ion: 95 Resp: 257156
Ion Ratio Lower Upper
95 100
97 63.5 44.7 83.1
132 92.8 66.6 123.6
130 95.6 66.5 123.5

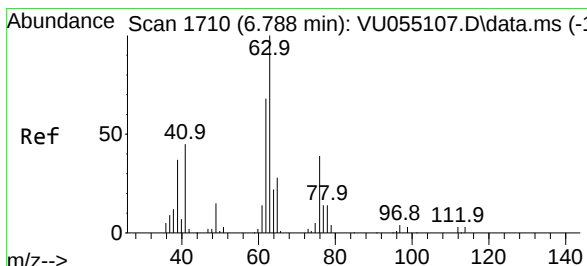
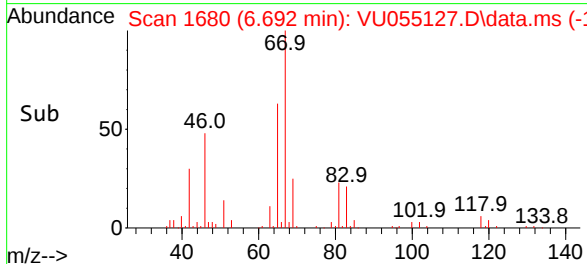
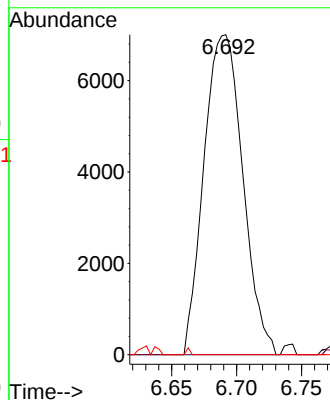
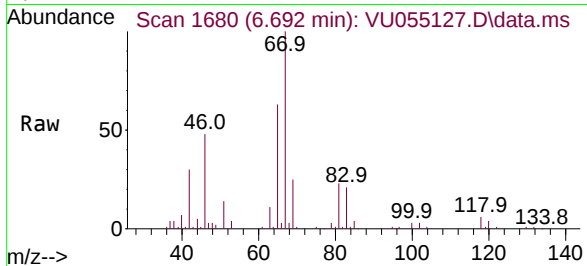




#35
Methylcyclohexane
Concen: 0.953 ug/L
RT: 6.692 min Scan# 1680
Delta R.T. -0.067 min
Lab File: VU055127.D
Acq: 06 Sep 2023 05:03

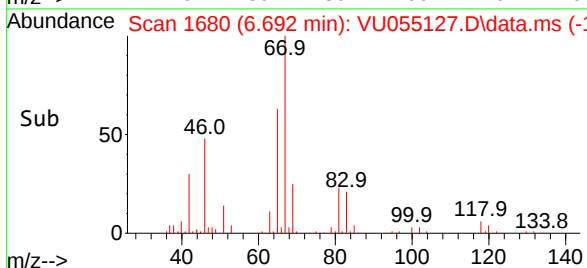
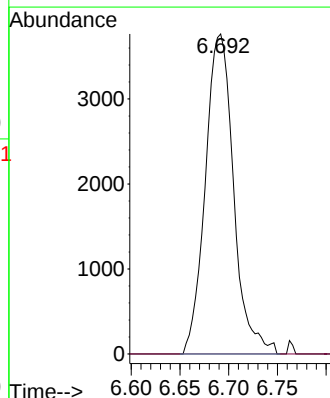
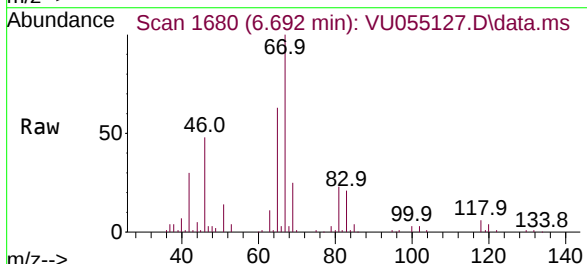
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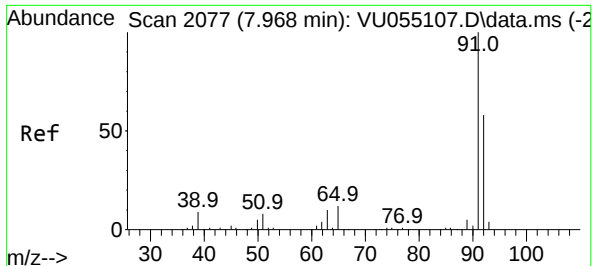
Tgt Ion: 83 Resp: 14576
Ion Ratio Lower Upper
83 100
55 0.3 60.4 90.6#
98 0.0 35.3 52.9#



#37
1,2-Dichloropropane
Concen: 0.712 ug/L
RT: 6.692 min Scan# 1680
Delta R.T. -0.096 min
Lab File: VU055127.D
Acq: 06 Sep 2023 05:03

Tgt Ion: 63 Resp: 7605
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#42

Toluene

Concen: 0.255 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.000 min

Lab File: VU055127.D

Acq: 06 Sep 2023 05:03

Instrument :

MSVOA_U

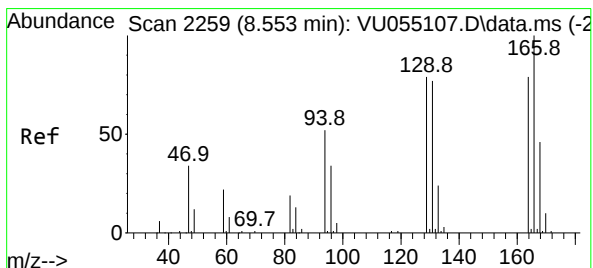
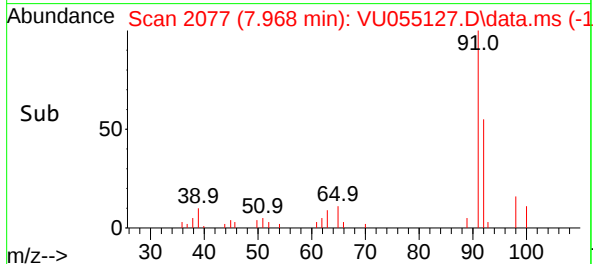
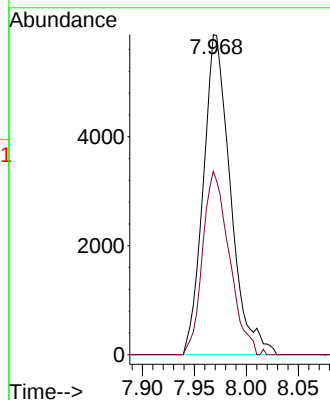
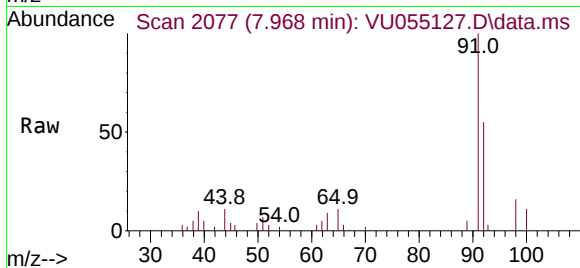
ClientSampleId :

Tgt Ion: 91 Resp: 10689

Ion Ratio Lower Upper

91 100

92 57.3 41.9 77.9



#47

Tetrachloroethene

Concen: 0.262 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.003 min

Lab File: VU055127.D

Acq: 06 Sep 2023 05:03

Tgt Ion: 164 Resp: 1975

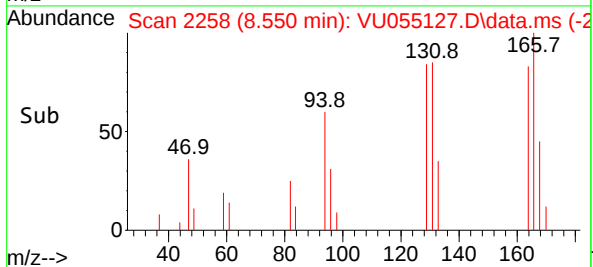
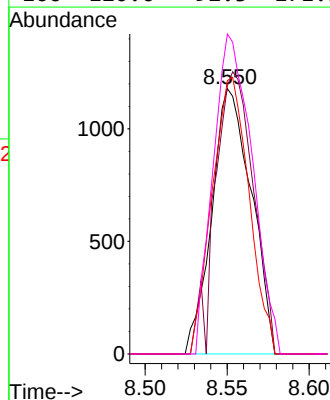
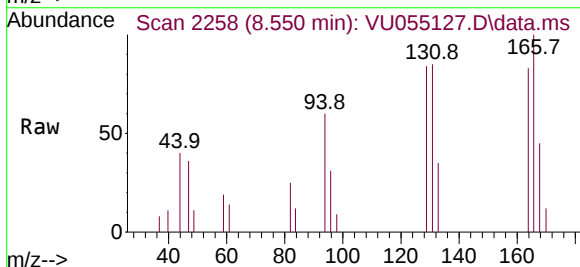
Ion Ratio Lower Upper

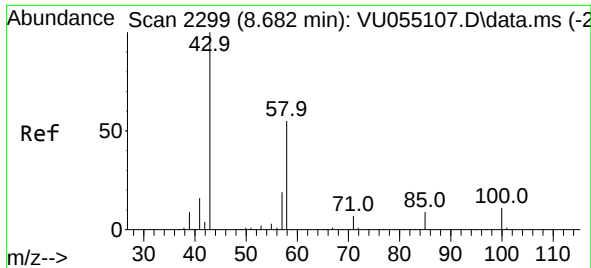
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129 101.1 69.2 128.6

131 103.1 68.8 127.8

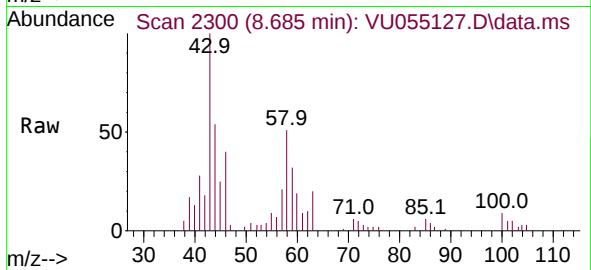
166 120.6 92.3 171.5



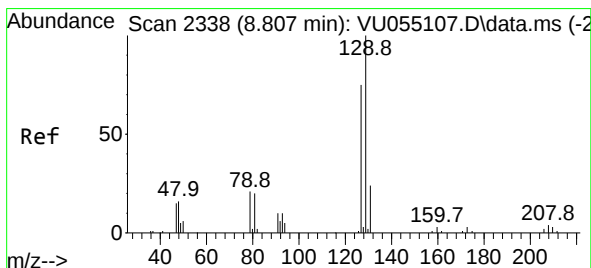
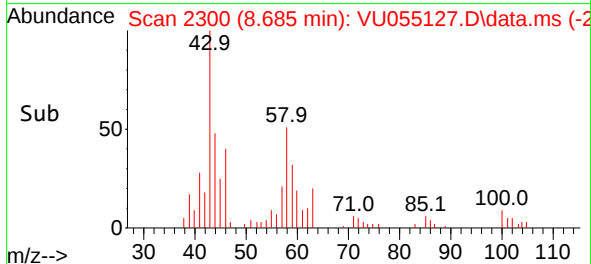
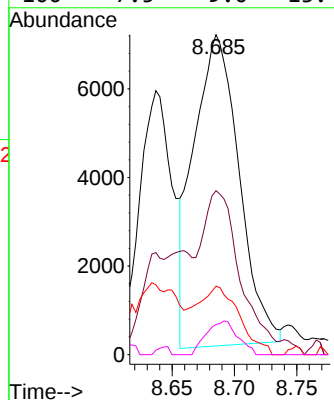


#48
2-Hexanone
Concen: 3.712 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055127.D
Acq: 06 Sep 2023 05:03

Instrument :
MSVOA_U
ClientSampleId :

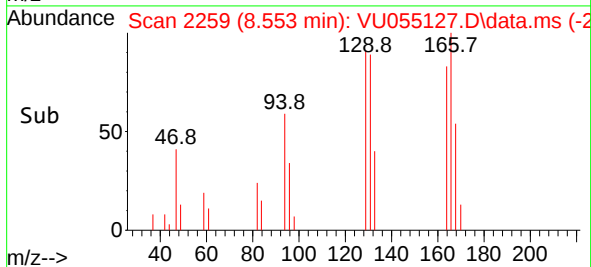
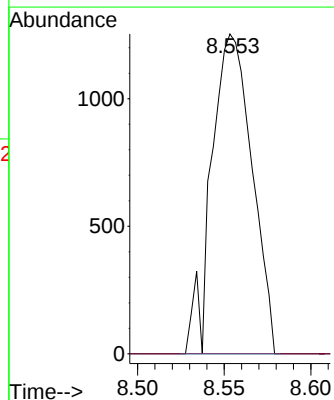
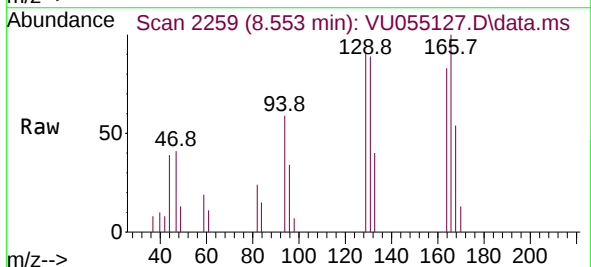


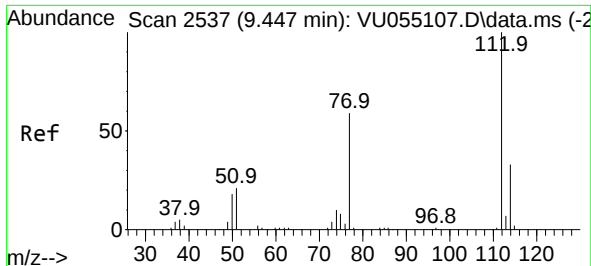
Tgt Ion: 43 Resp: 17720
Ion Ratio Lower Upper
43 100
58 38.9 44.0 66.0#
57 20.3 16.2 24.2
100 7.5 9.0 13.4#



#49
Dibromochloromethane
Concen: 0.259 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. -0.254 min
Lab File: VU055127.D
Acq: 06 Sep 2023 05:03

Tgt Ion: 129 Resp: 2037
Ion Ratio Lower Upper
129 100
127 0.0 55.9 103.7#





#51

Chlorobenzene

Concen: 0.135 ug/L

RT: 9.450 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU055127.D

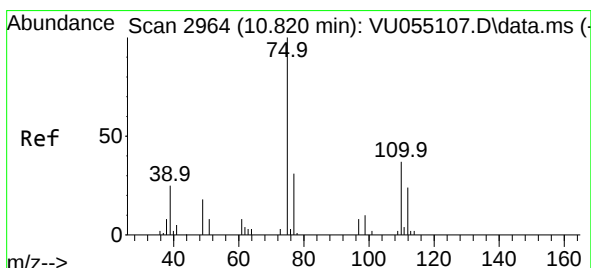
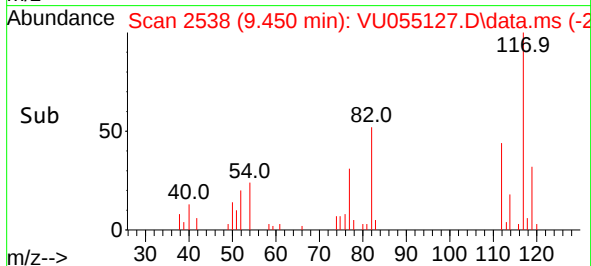
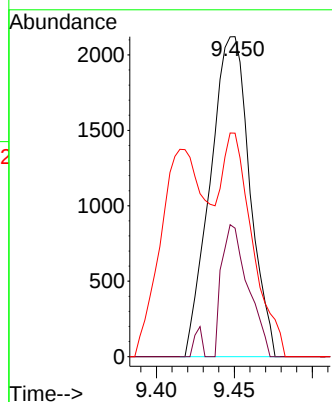
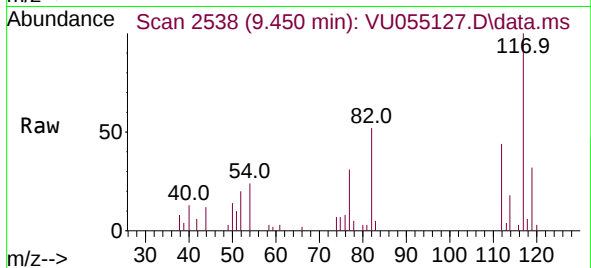
Acq: 06 Sep 2023 05:03

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	112	Resp:	3738
Ion Ratio	Lower	Upper	
112	100		
114	40.1	21.7	40.3
77	69.8	48.6	72.8



#61

1,2,3-Trichloropropane

Concen: 2.143 ug/L

RT: 11.810 min Scan# 3272

Delta R.T. 0.990 min

Lab File: VU055127.D

Acq: 06 Sep 2023 05:03

Tgt Ion:	75	Resp:	13592
Ion Ratio	Lower	Upper	
75	100		
110	2.9	28.2	42.2#
77	33.7	26.2	39.4

