

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040824\
 Data File : VU058493.D
 Acq On : 09 Apr 2024 01:15
 Operator : MD/SY
 Sample : P2013-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 09 05:53:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 09 05:30:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	75360	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	71507	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	31737	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	118905	23.832	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	476.600%#
7) Chloroethane-d5	1.904	69	14961	3.450	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.000%
11) 1,1-Dichloroethene-d2	2.557	65	6533	2.893	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.800%#
20) 2-Butanone-d5	4.657	46	91851	87.357	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	174.720%#
24) Chloroform-d	5.052	84	41470	4.164	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
26) 1,2-Dichloroethane-d4	5.695	65	21290	4.580	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
32) Benzene-d6	5.718	84	73322	3.809	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.200%
36) 1,2-Dichloropropane-d6	6.682	67	26571	4.401	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.000%
41) Toluene-d8	7.891	98	59054	3.459	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.200%#
43) trans-1,3-Dichloroprop...	8.174	79	7848	4.188	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.800%
46) 2-Hexanone-d5	8.628	63	40927	52.948	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.900%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	19993	4.691	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	22600	4.228	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.600%
Target Compounds						Qvalue
3) Chloromethane	1.592	50	95312	12.399	ug/L #	43
5) Vinyl chloride	1.589	62	11760997	1531.892	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	1174	0.195	ug/L #	86
12) 1,1-Dichloroethene	2.573	96	53309	9.982	ug/L #	83
14) Carbon disulfide	2.792	76	6377	0.376	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	4421	0.350	ug/L #	88
18) trans-1,2-Dichloroethene	3.342	96	203246	36.310	ug/L	97
30) Cyclohexane	5.380	56	1815	0.179	ug/L #	64
34) Trichloroethene	6.534	95	60187	9.212	ug/L	96
37) 1,2-Dichloropropane	6.682	63	2877	0.422	ug/L #	90
42) Toluene	7.965	91	6129	0.225	ug/L	96
45) 1,1,2-Trichloroethane	8.547	97	610	0.153	ug/L #	1
47) Tetrachloroethene	8.544	164	68736	14.350	ug/L	97
49) Dibromochloromethane	8.547	129	68173	14.804	ug/L #	11
53) m,p-Xylene	9.692	106	1470	0.143	ug/L	83
61) 1,2,3-Trichloropropane	11.804	75	4295	1.326	ug/L #	68

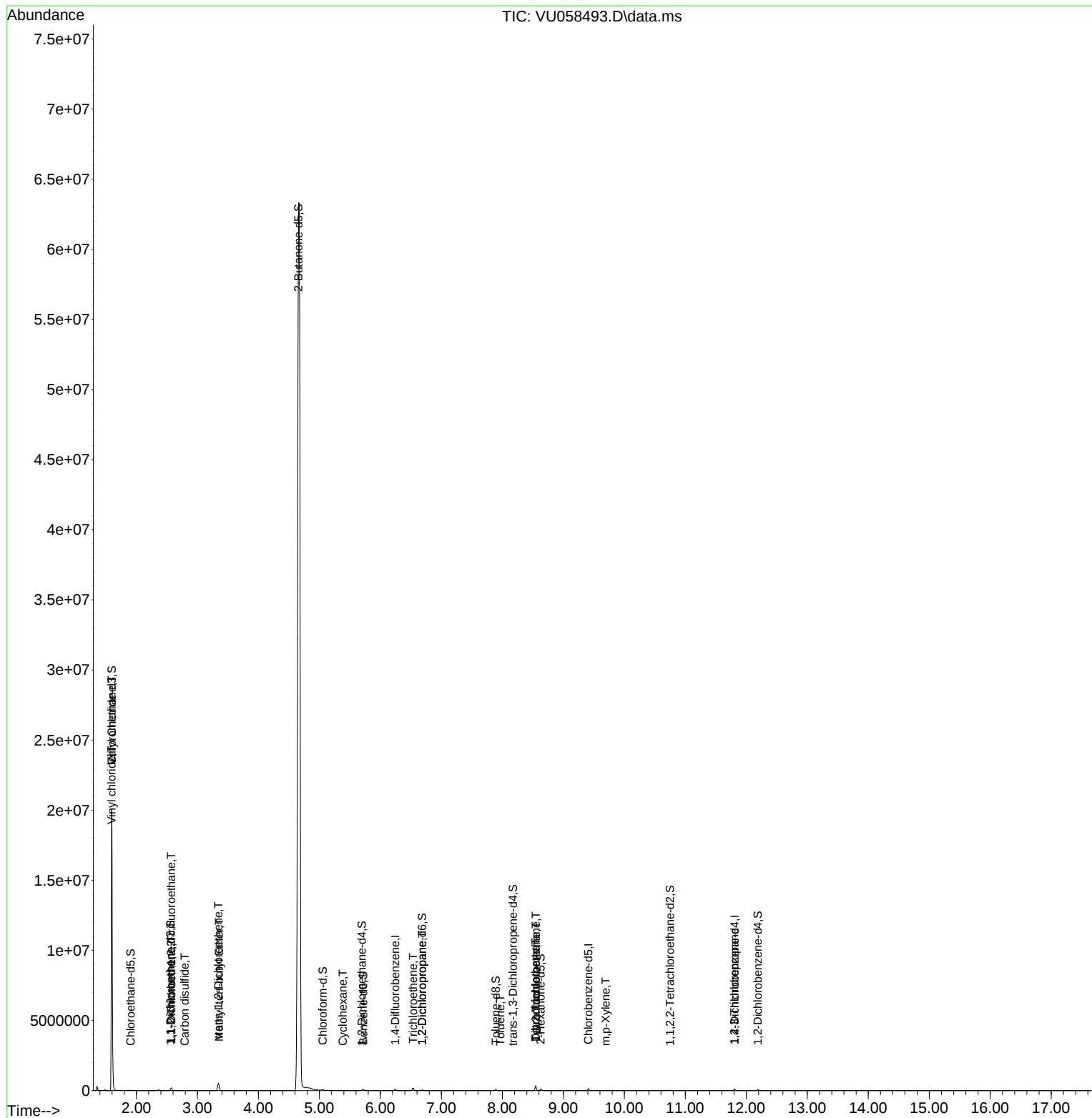
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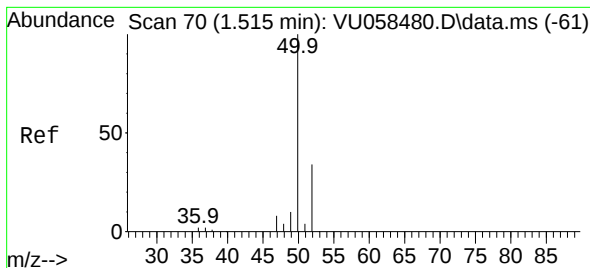
Instrument :
MSVOA_U
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040824\
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#3

Chloromethane

Concen: 12.399 ug/L

RT: 1.592 min Scan# 94

Delta R.T. 0.077 min

Lab File: VU058493.D

Acq: 09 Apr 2024 01:15

Instrument :

MSVOA_U

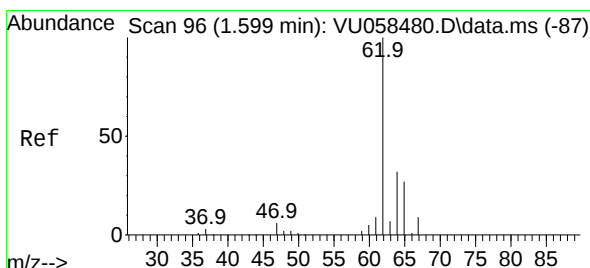
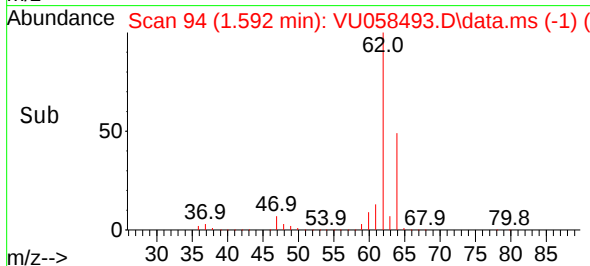
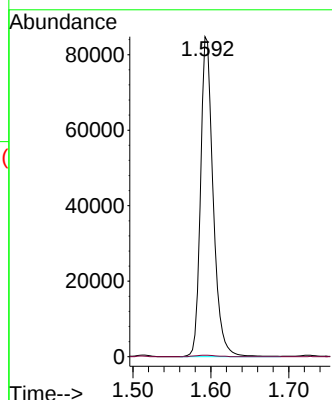
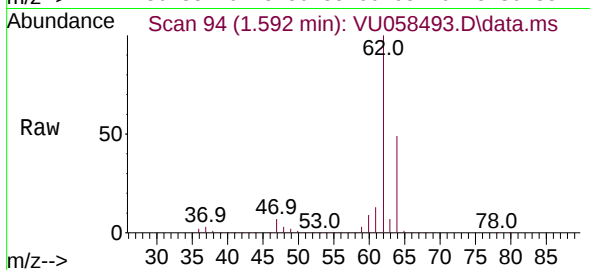
ClientSampleId :

Tgt Ion: 50 Resp: 95312

Ion Ratio Lower Upper

50 100

52 0.5 22.6 42.0#



#5

Vinyl chloride

Concen: 1531.892 ug/L

RT: 1.589 min Scan# 93

Delta R.T. -0.010 min

Lab File: VU058493.D

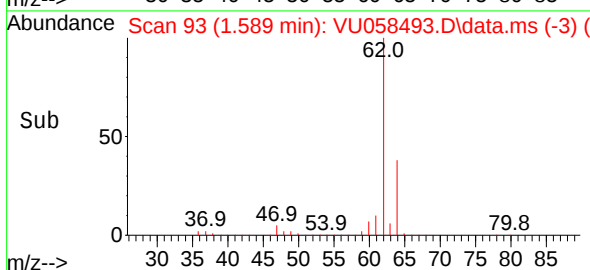
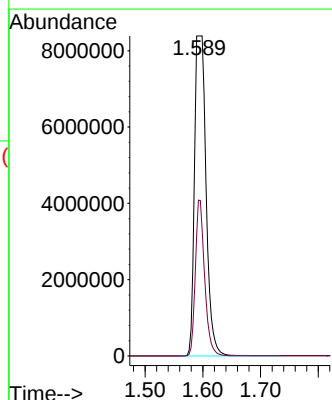
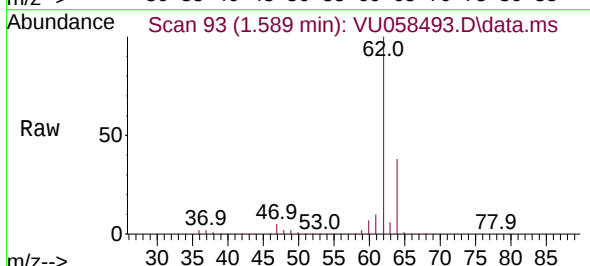
Acq: 09 Apr 2024 01:15

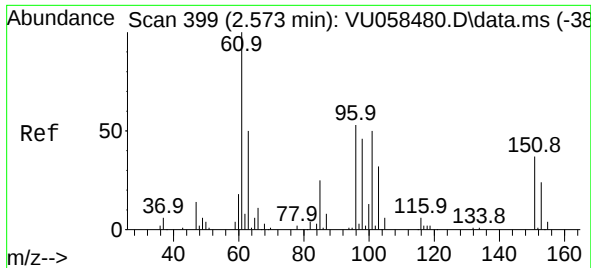
Tgt Ion: 62 Resp: 11760997

Ion Ratio Lower Upper

62 100

64 37.8 22.6 42.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.195 ug/L

RT: 2.567 min Scan# 3

Delta R.T. -0.006 min

Lab File: VU058493.D

Acq: 09 Apr 2024 01:15

Instrument :

MSVOA_U

ClientSampleId :

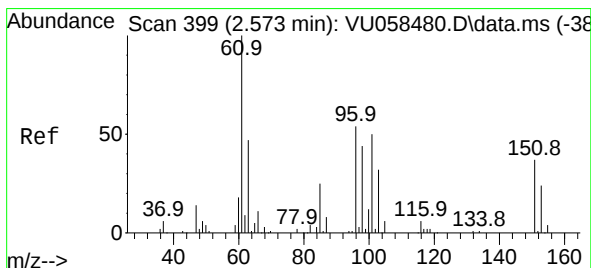
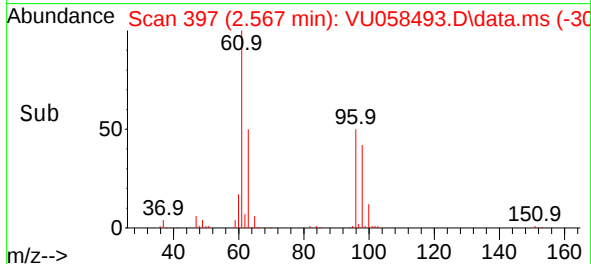
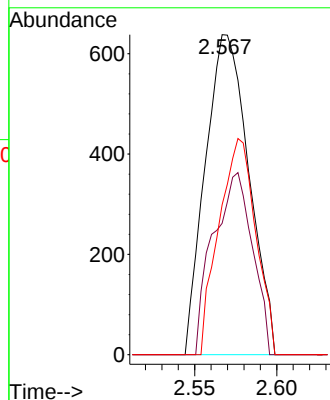
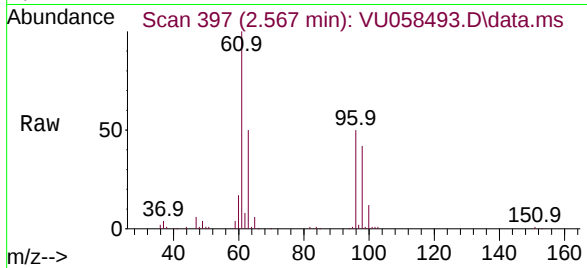
Tgt Ion:101 Resp: 1174

Ion Ratio Lower Upper

101 100

85 51.4 36.8 55.2

151 57.4 58.2 87.4#



#12

1,1-Dichloroethene

Concen: 9.982 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU058493.D

Acq: 09 Apr 2024 01:15

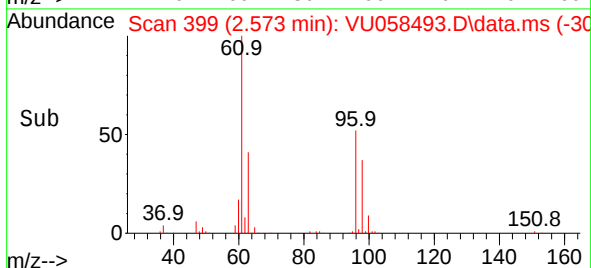
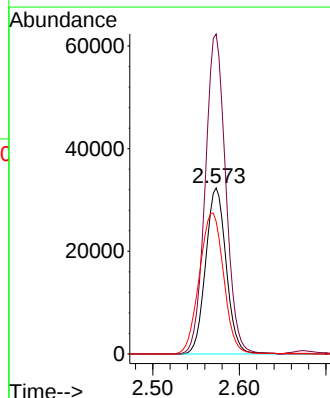
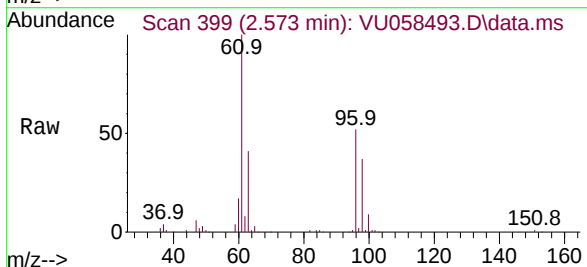
Tgt Ion: 96 Resp: 53309

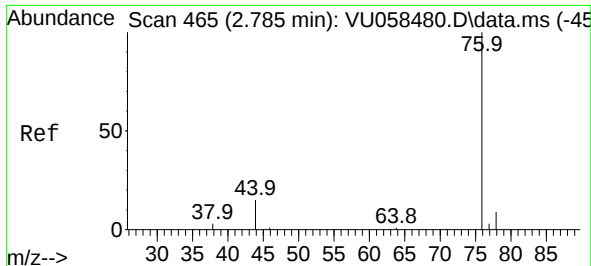
Ion Ratio Lower Upper

96 100

61 192.8 132.5 246.1

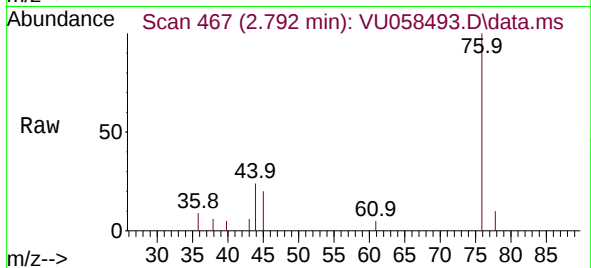
63 79.6 87.7 162.9#



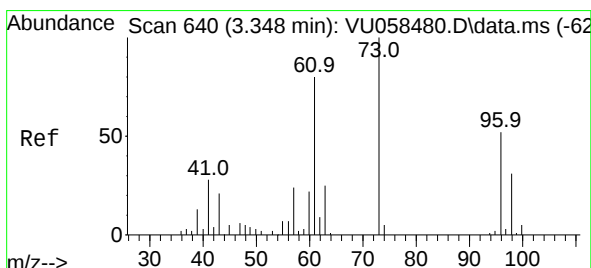
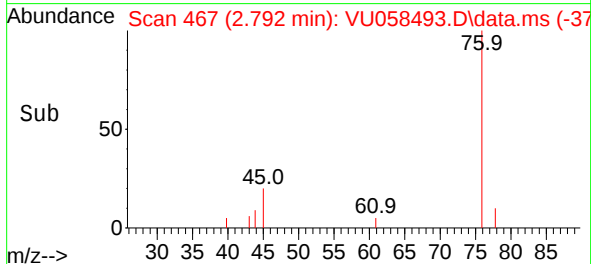
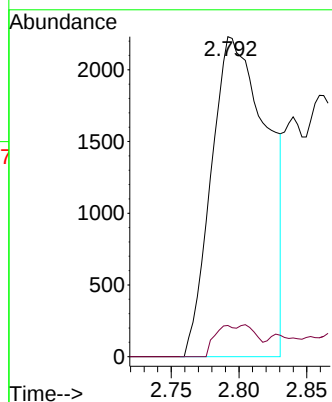


#14
Carbon disulfide
Concen: 0.376 ug/L
RT: 2.792 min Scan# 467
Delta R.T. 0.007 min
Lab File: VU058493.D
Acq: 09 Apr 2024 01:15

Instrument :
MSVOA_U
ClientSampleId :

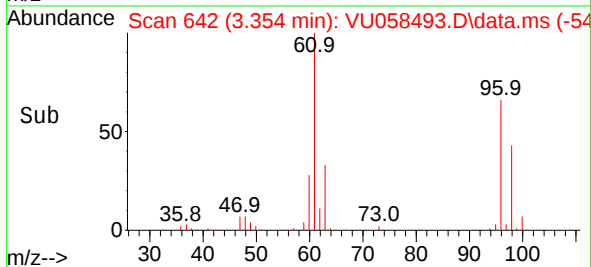
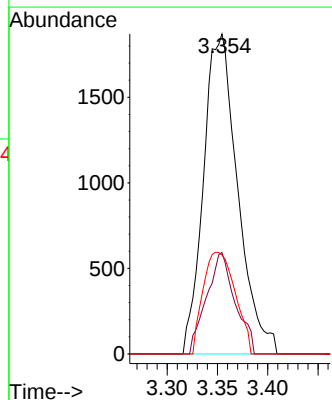
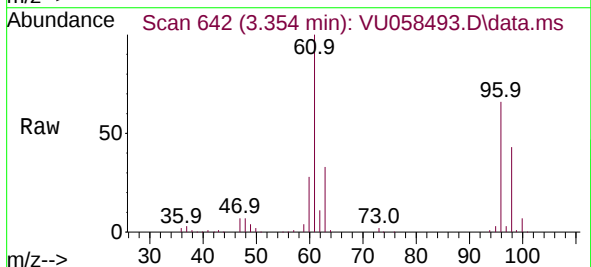


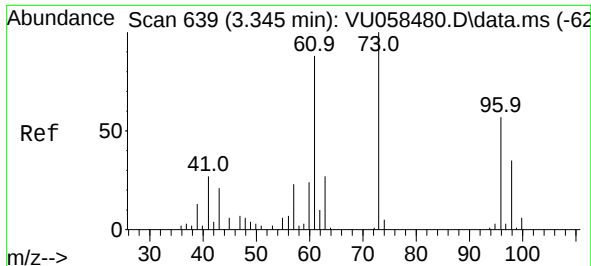
Tgt Ion: 76 Resp: 6377
Ion Ratio Lower Upper
76 100
78 9.8 7.5 11.3



#17
Methyl tert-butyl Ether
Concen: 0.350 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.007 min
Lab File: VU058493.D
Acq: 09 Apr 2024 01:15

Tgt Ion: 73 Resp: 4421
Ion Ratio Lower Upper
73 100
43 26.6 17.4 26.2#
57 29.8 18.6 27.8#





#18

trans-1,2-Dichloroethene

Concen: 36.310 ug/L

RT: 3.342 min Scan# 61

Delta R.T. -0.003 min

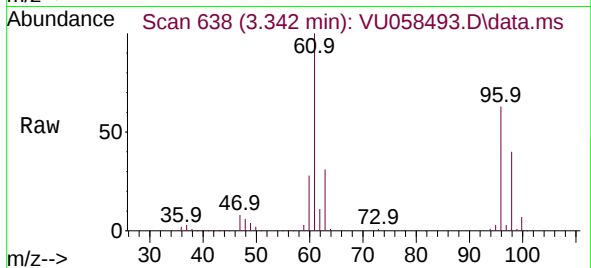
Lab File: VU058493.D

Acq: 09 Apr 2024 01:15

Instrument :

MSVOA_U

ClientSampleId :



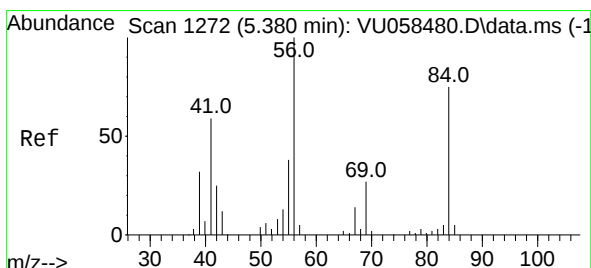
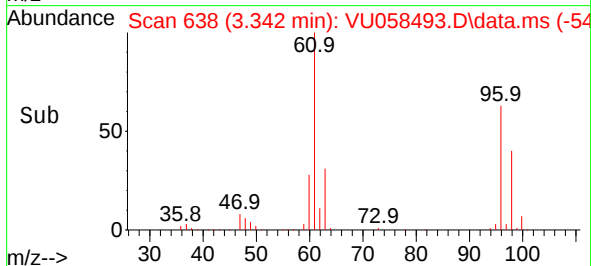
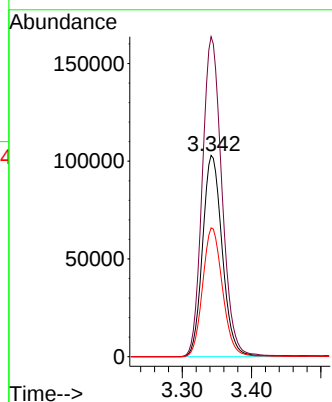
Tgt Ion: 96 Resp: 203246

Ion Ratio Lower Upper

96 100

61 159.0 107.6 199.8

98 64.0 45.1 83.7



#30

Cyclohexane

Concen: 0.179 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VU058493.D

Acq: 09 Apr 2024 01:15

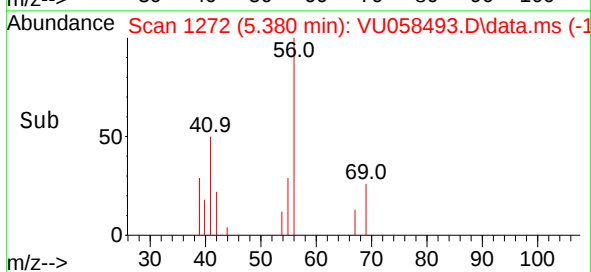
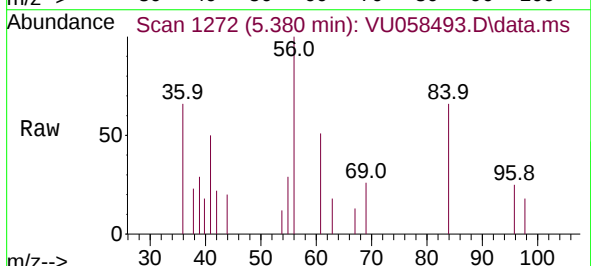
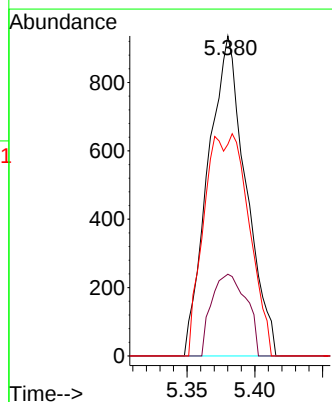
Tgt Ion: 56 Resp: 1815

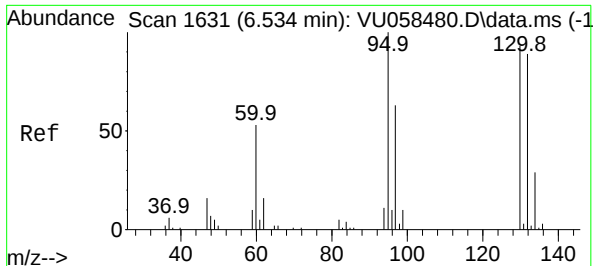
Ion Ratio Lower Upper

56 100

69 23.5 23.2 34.8

84 39.1 63.3 94.9#





#34

Trichloroethene

Concen: 9.212 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

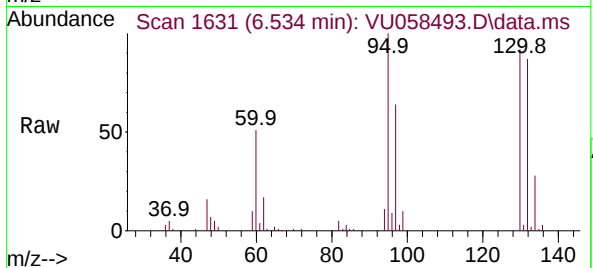
Lab File: VU058493.D

Acq: 09 Apr 2024 01:15

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 60187

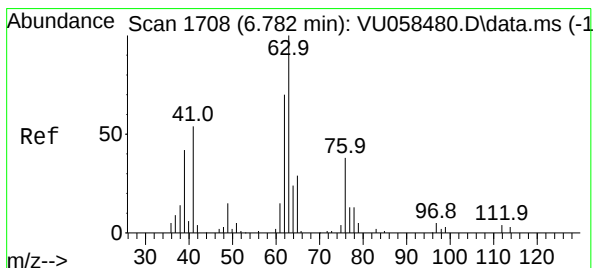
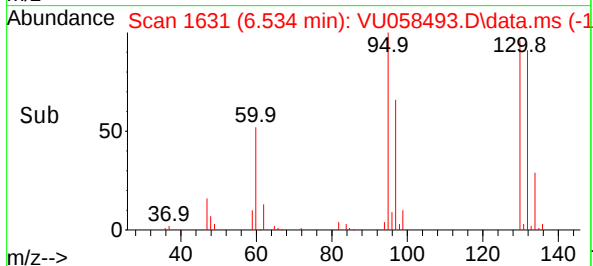
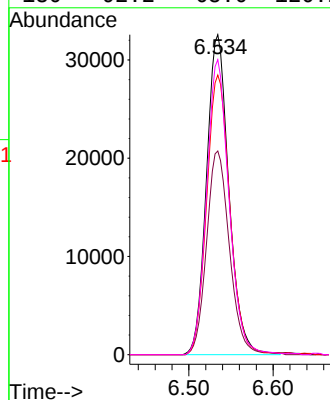
Ion Ratio Lower Upper

95 100

97 63.6 45.6 84.6

132 87.4 64.8 120.3

130 92.2 68.0 126.2



#37

1,2-Dichloropropane

Concen: 0.422 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.100 min

Lab File: VU058493.D

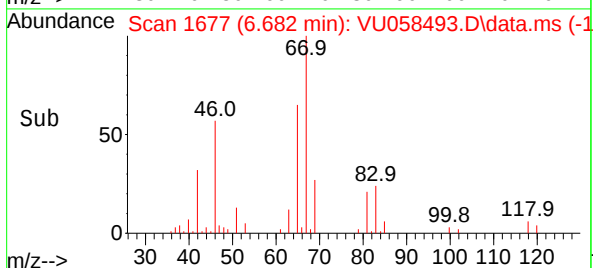
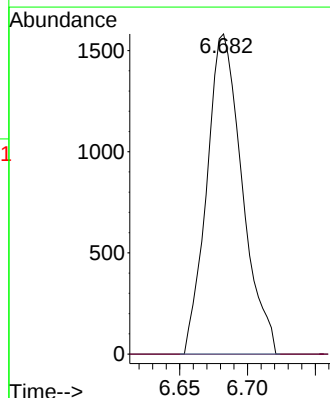
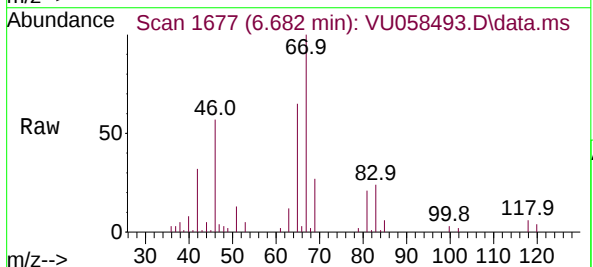
Acq: 09 Apr 2024 01:15

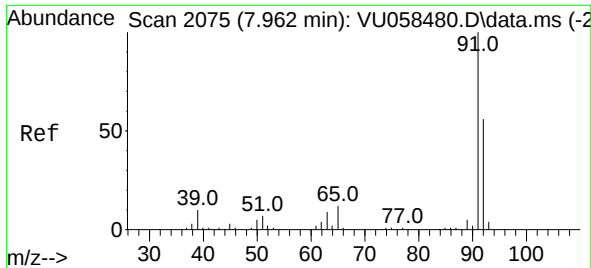
Tgt Ion: 63 Resp: 2877

Ion Ratio Lower Upper

63 100

112 0.0 2.6 4.0#





#42

Toluene

Concen: 0.225 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU058493.D

Acq: 09 Apr 2024 01:15

Instrument :

MSVOA_U

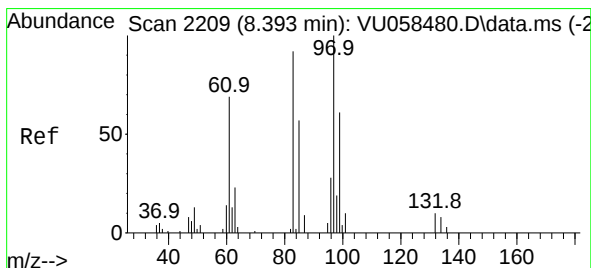
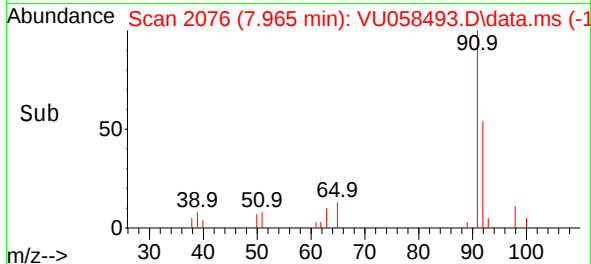
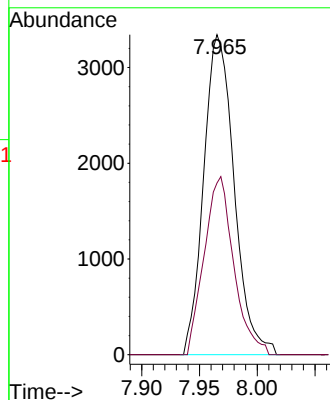
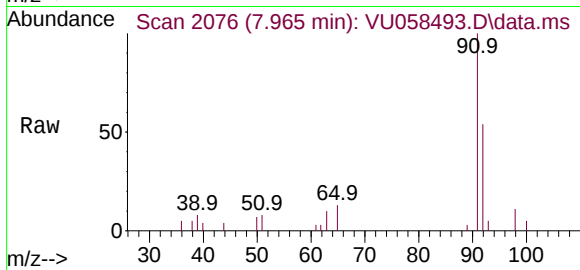
ClientSampleId :

Tgt Ion: 91 Resp: 6129

Ion Ratio Lower Upper

91 100

92 53.6 39.5 73.3



#45

1,1,2-Trichloroethane

Concen: 0.153 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.154 min

Lab File: VU058493.D

Acq: 09 Apr 2024 01:15

Tgt Ion: 97 Resp: 610

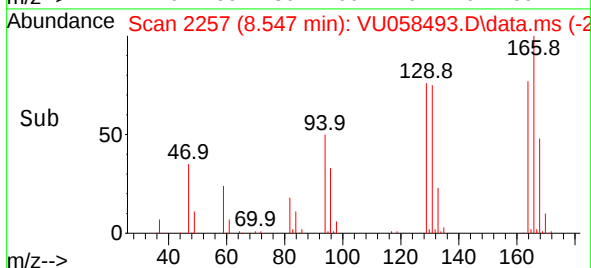
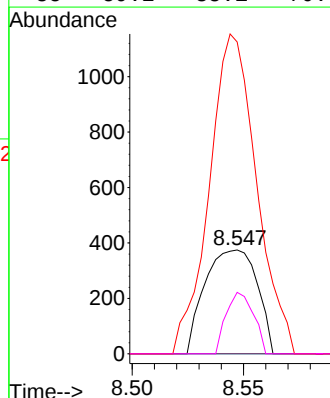
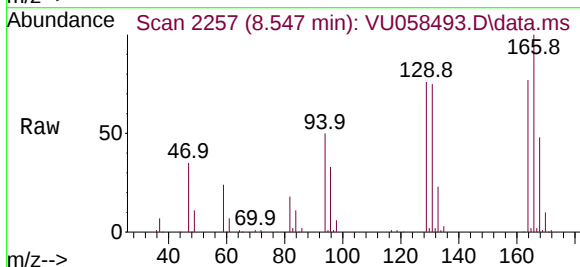
Ion Ratio Lower Upper

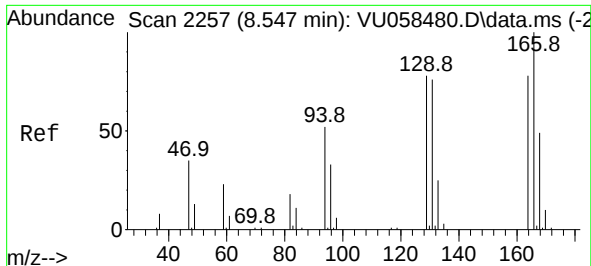
97 100

99 0.0 43.7 81.1#

83 300.0 64.5 119.7#

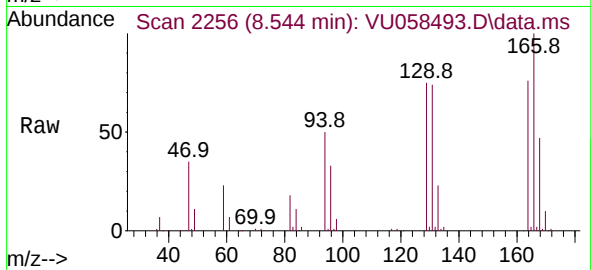
85 59.2 38.1 70.9



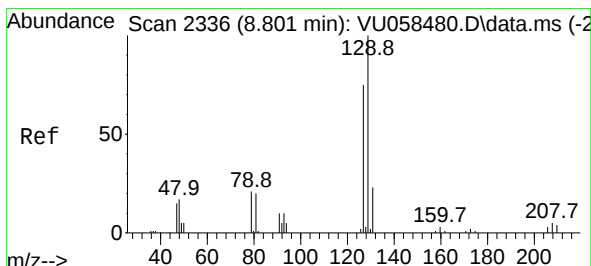
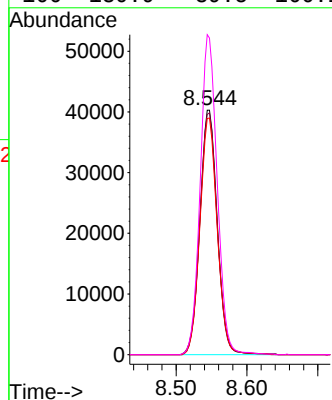
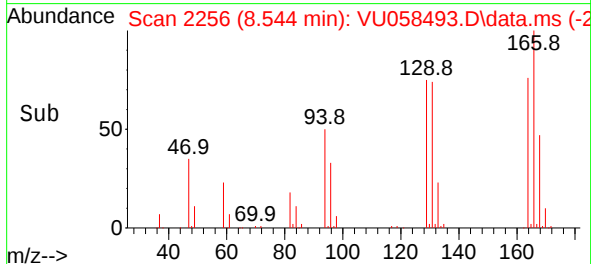


#47
Tetrachloroethene
Concen: 14.350 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU058493.D
Acq: 09 Apr 2024 01:15

Instrument :
MSVOA_U
ClientSampleId :

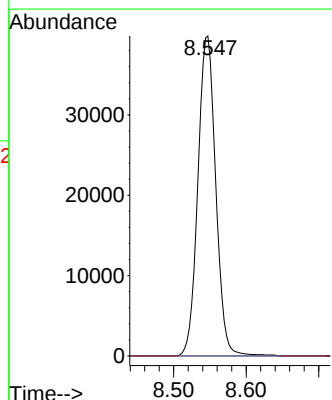
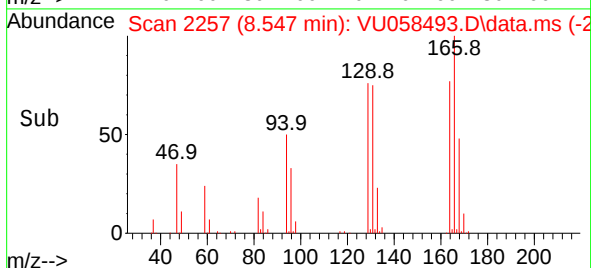
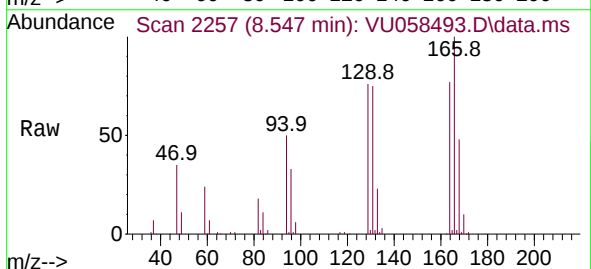


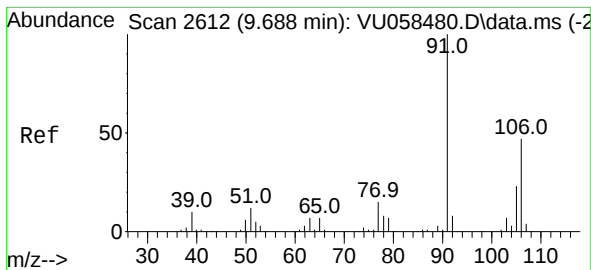
Tgt Ion:164 Resp: 68736
Ion Ratio Lower Upper
164 100
129 98.3 67.3 125.1
131 96.6 65.5 121.6
166 130.9 89.5 166.1



#49
Dibromochloromethane
Concen: 14.804 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.254 min
Lab File: VU058493.D
Acq: 09 Apr 2024 01:15

Tgt Ion:129 Resp: 68173
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.5#





#53

m,p-Xylene

Concen: 0.143 ug/L

RT: 9.692 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU058493.D

Acq: 09 Apr 2024 01:15

Instrument :

MSVOA_U

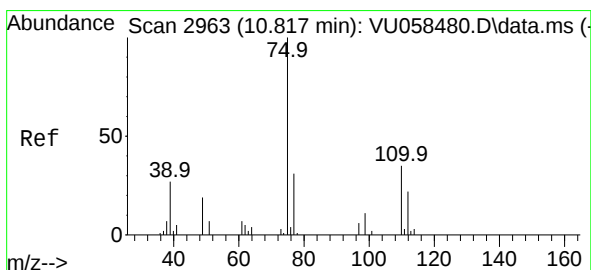
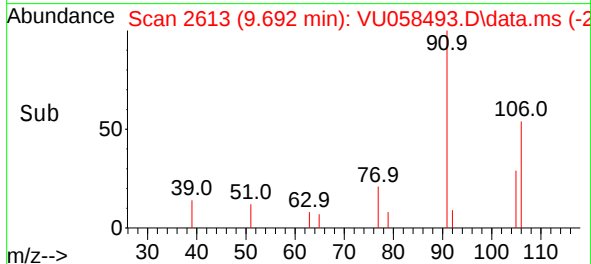
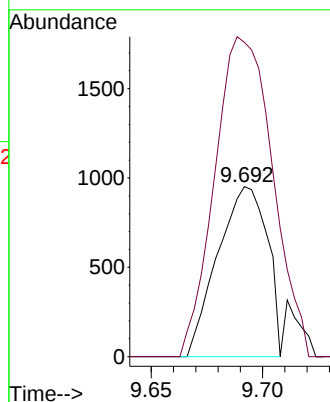
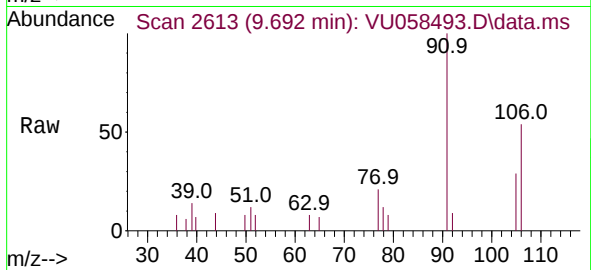
ClientSampleId :

Tgt Ion:106 Resp: 1470

Ion Ratio Lower Upper

106 100

91 184.9 147.8 274.4



#61

1,2,3-Trichloropropane

Concen: 1.326 ug/L

RT: 11.804 min Scan# 3270

Delta R.T. 0.987 min

Lab File: VU058493.D

Acq: 09 Apr 2024 01:15

Tgt Ion: 75 Resp: 4295

Ion Ratio Lower Upper

75 100

110 0.0 25.8 38.6#

77 34.3 25.1 37.7

