

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040524\
 Data File : VU058453.D
 Acq On : 06 Apr 2024 04:53
 Operator : MD/SY
 Sample : P1948-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 06 06:02:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 06 00:37:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	87495	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	81551	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	35751	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	21894	3.780	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.600%
7) Chloroethane-d5	1.908	69	20479	4.068	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.400%
11) 1,1-Dichloroethene-d2	2.560	65	14325	5.464	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	109.200%
20) 2-Butanone-d5	4.641	46	58135	47.622	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.240%
24) Chloroform-d	5.059	84	53445	4.622	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	5.705	65	24339	4.510	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
32) Benzene-d6	5.731	84	102081	4.649	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
36) 1,2-Dichloropropane-d6	6.685	67	31834	4.623	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.400%
41) Toluene-d8	7.891	98	84060	4.317	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	8.174	79	10313	4.825	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.600%
46) 2-Hexanone-d5	8.628	63	41124	46.650	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.300%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	21989	4.524	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	27374	4.546	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	19021	2.134	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	27587	3.944	ug/L #	32
12) 1,1-Dichloroethene	2.570	96	11760103	1896.560	ug/L #	47
16) Methylene chloride	3.036	84	20710	2.517	ug/L	96
19) 1,1-Dichloroethane	3.859	63	11549533	814.221	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	3630	0.497	ug/L	93
25) Chloroform	5.081	83	72974	5.315	ug/L	96
27) 1,2-Dichloroethane	5.795	62	30441	3.641	ug/L #	89
30) Cyclohexane	5.386	56	847	0.073	ug/L #	19
31) Carbon tetrachloride	5.412	117	3572385	385.802	ug/L	98
34) Trichloroethene	6.538	95	932545	125.146	ug/L	98
35) Methylcyclohexane	6.685	83	7058	0.629	ug/L #	16
45) 1,1,2-Trichloroethane	8.399	97	935	0.206	ug/L	96
47) Tetrachloroethene	8.547	164	6022	1.102	ug/L	97
49) Dibromochloromethane	8.547	129	6189	1.178	ug/L #	11
61) 1,2,3-Trichloropropane	11.804	75	4890	1.341	ug/L #	71

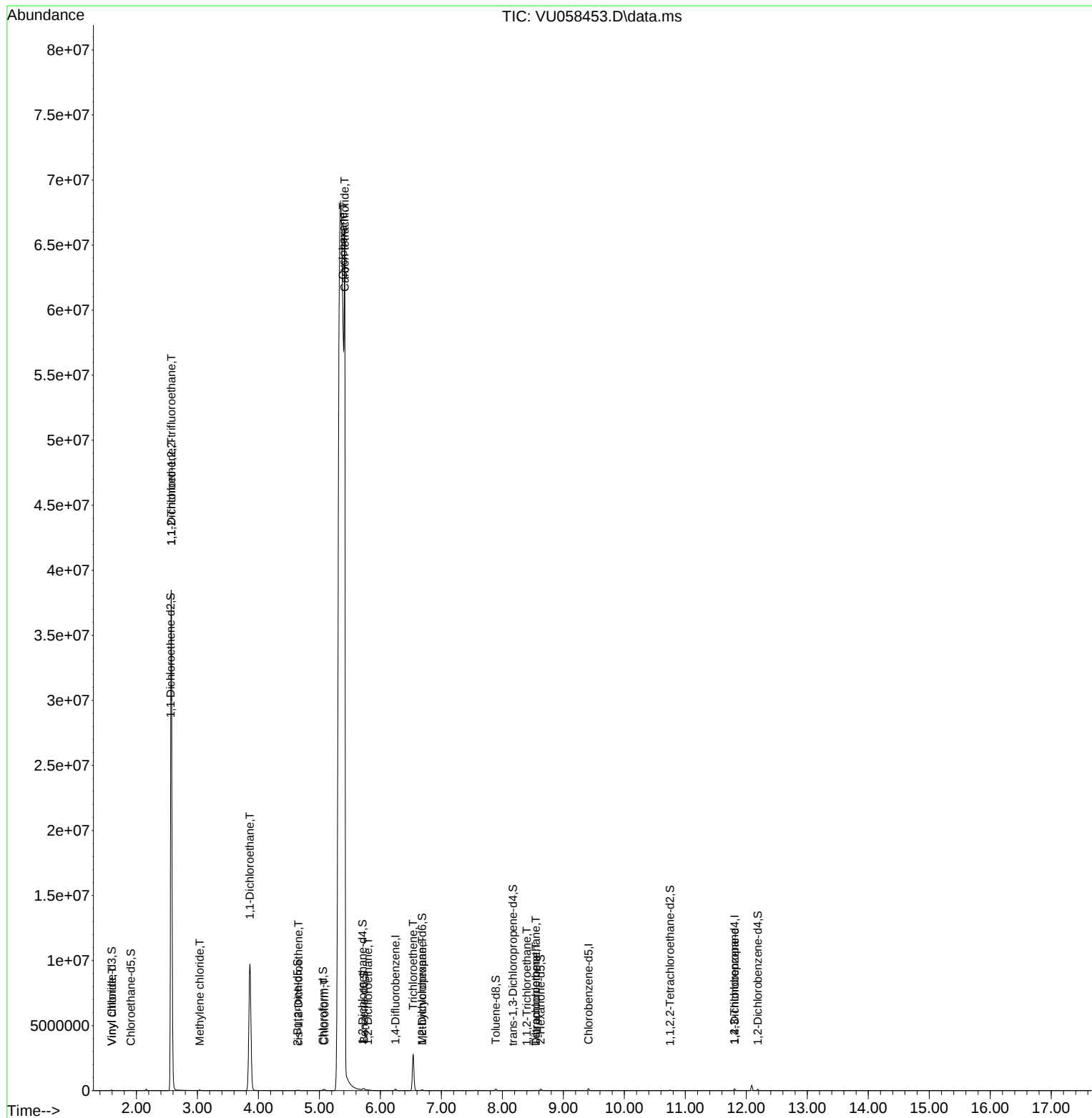
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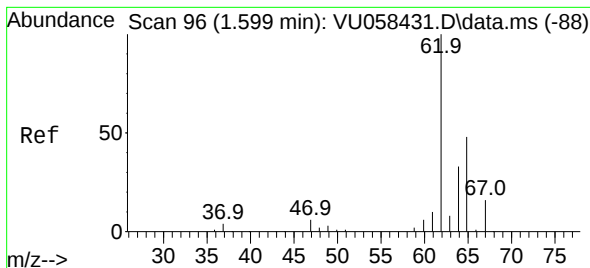
Instrument :
MSVOA_U
ClientSampleId :

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Apr 06 00:37:11 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.134 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.000 min

Lab File: VU058453.D

Acq: 06 Apr 2024 04:53

Instrument :

MSVOA_U

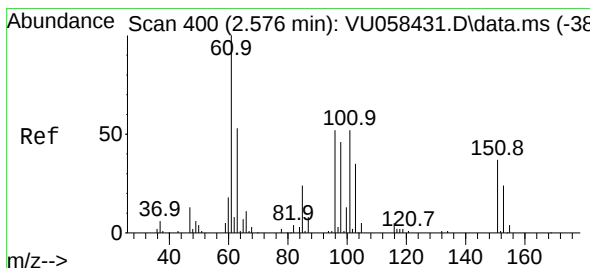
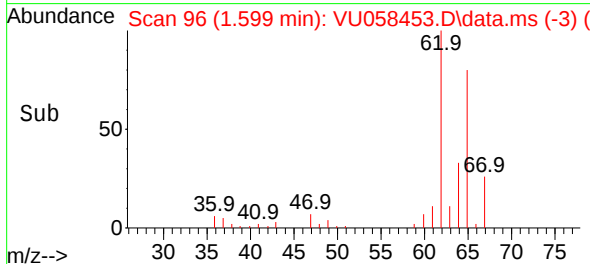
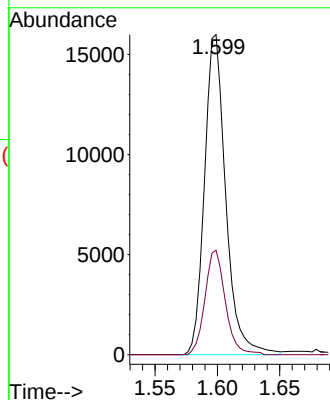
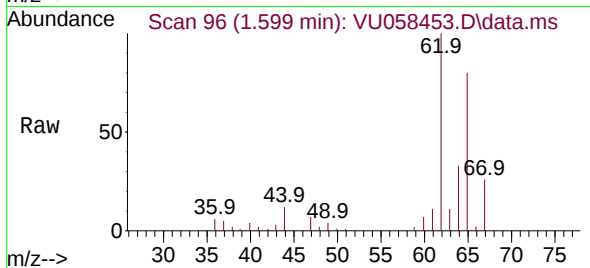
ClientSampleId :

Tgt Ion: 62 Resp: 19021

Ion Ratio Lower Upper

62 100

64 32.7 22.6 42.0



#10

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

Concen: 3.944 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.006 min

Lab File: VU058453.D

Acq: 06 Apr 2024 04:53

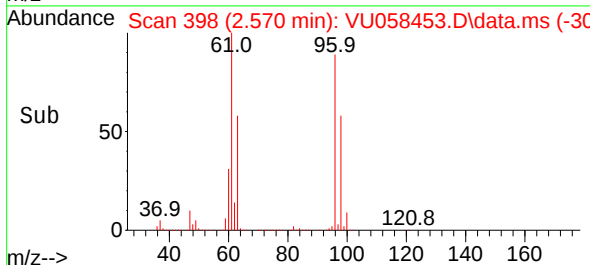
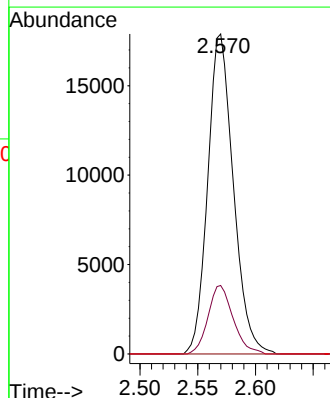
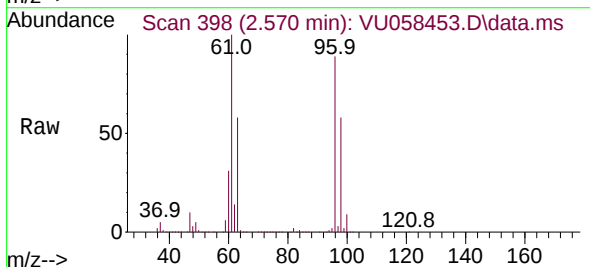
Tgt Ion:101 Resp: 27587

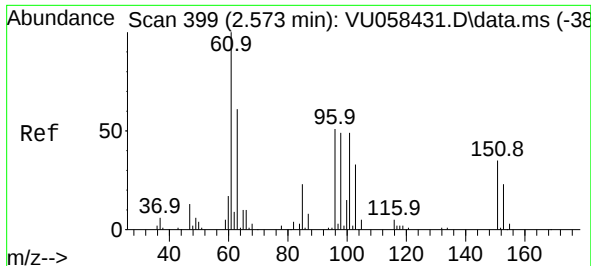
Ion Ratio Lower Upper

101 100

85 21.0 36.8 55.2#

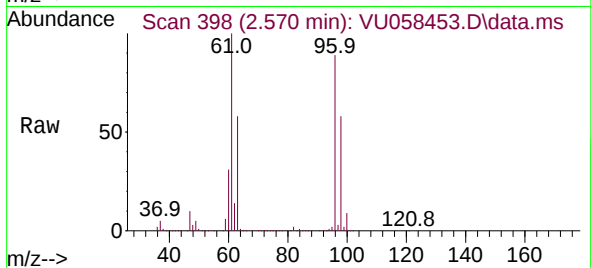
151 0.0 58.2 87.4#



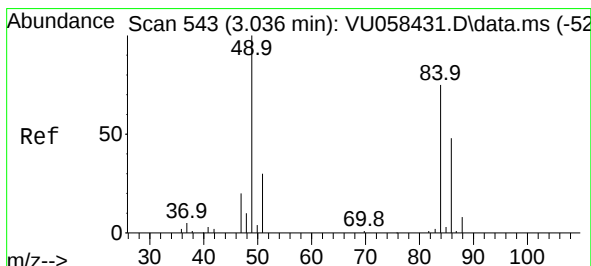
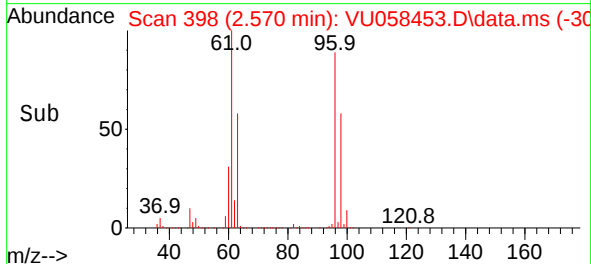
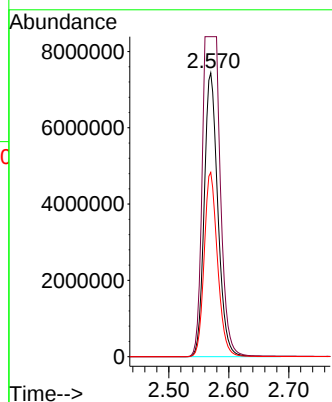


#12
1,1-Dichloroethene
Concen: 1896.560 ug/L
RT: 2.570 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU058453.D
Acq: 06 Apr 2024 04:53

Instrument :
MSVOA_U
ClientSampleId :

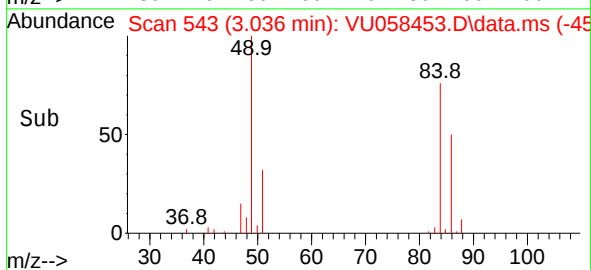
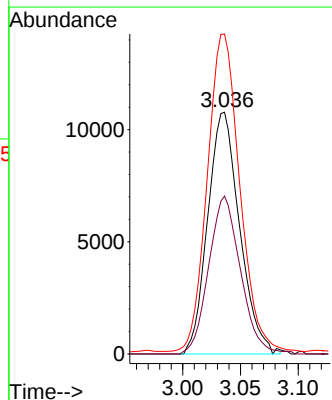
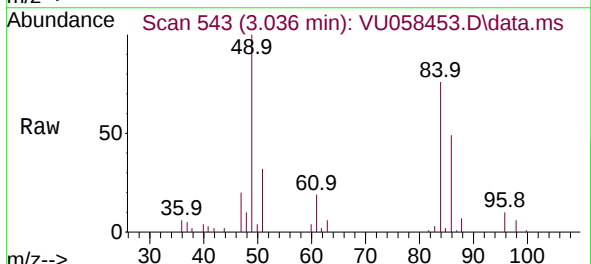


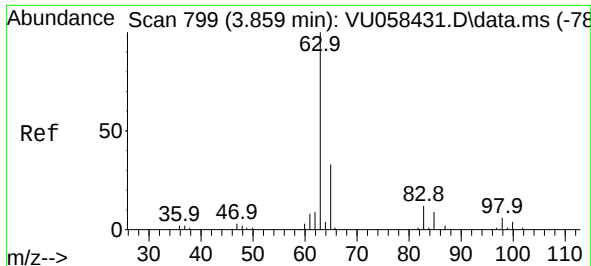
Tgt Ion: 96 Resp:11760103
Ion Ratio Lower Upper
96 100
61 112.7 132.5 246.1#
63 64.9 87.7 162.9#



#16
Methylene chloride
Concen: 2.517 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU058453.D
Acq: 06 Apr 2024 04:53

Tgt Ion: 84 Resp: 20710
Ion Ratio Lower Upper
84 100
86 65.3 44.3 82.3
49 132.3 96.0 178.2

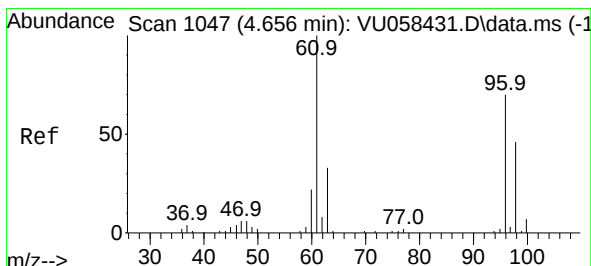
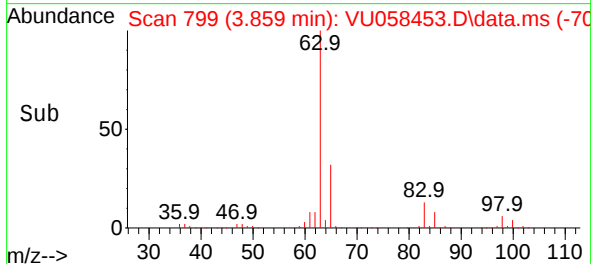
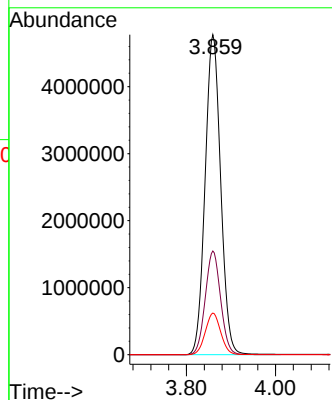
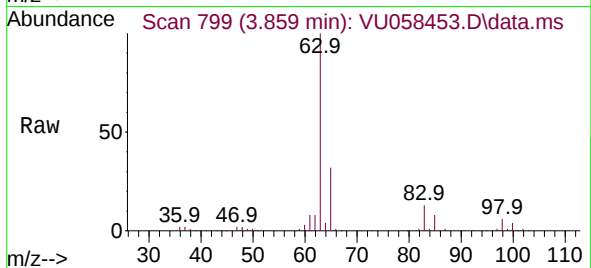




#19
1,1-Dichloroethane
Concen: 814.221 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU058453.D
Acq: 06 Apr 2024 04:53

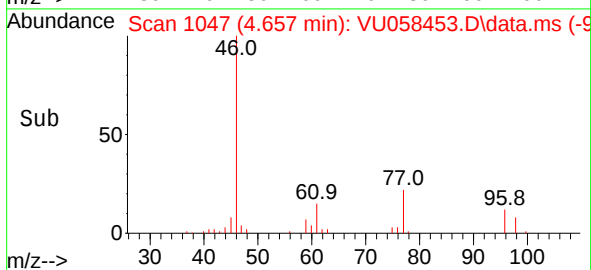
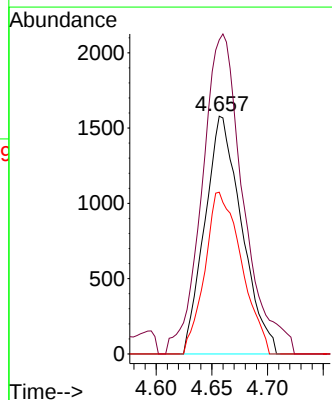
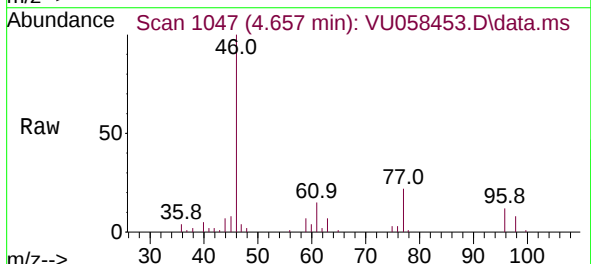
Instrument :
MSVOA_U
ClientSampleId :

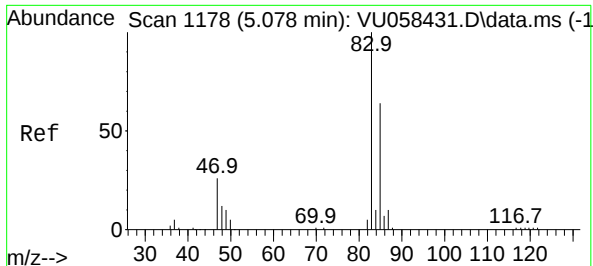
Tgt Ion: 63 Resp:11549533
Ion Ratio Lower Upper
63 100
65 32.4 22.9 42.5
83 13.0 9.6 17.8



#22
cis-1,2-Dichloroethene
Concen: 0.497 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. 0.000 min
Lab File: VU058453.D
Acq: 06 Apr 2024 04:53

Tgt Ion: 96 Resp: 3630
Ion Ratio Lower Upper
96 100
61 132.1 98.1 182.3
98 68.0 43.6 81.0





#25

Chloroform

Concen: 5.315 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU058453.D

Acq: 06 Apr 2024 04:53

Instrument :

MSVOA_U

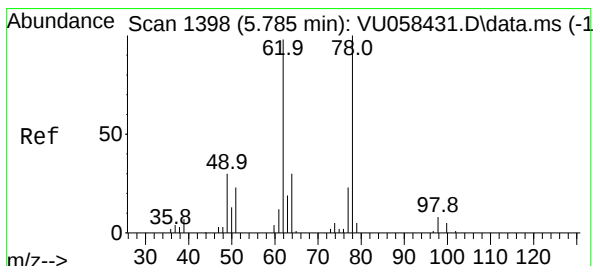
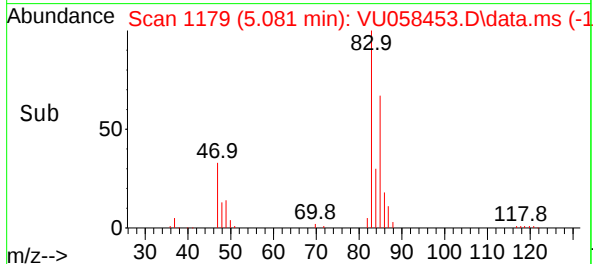
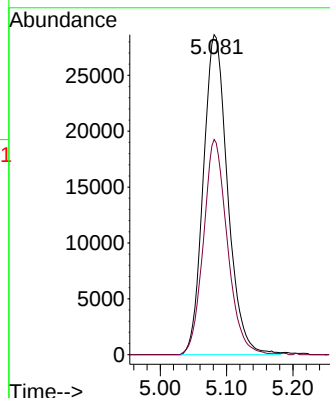
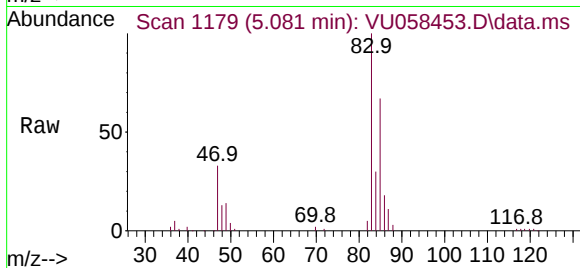
ClientSampleId :

Tgt Ion: 83 Resp: 72974

Ion Ratio Lower Upper

83 100

85 67.2 44.7 83.1



#27

1,2-Dichloroethane

Concen: 3.641 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.010 min

Lab File: VU058453.D

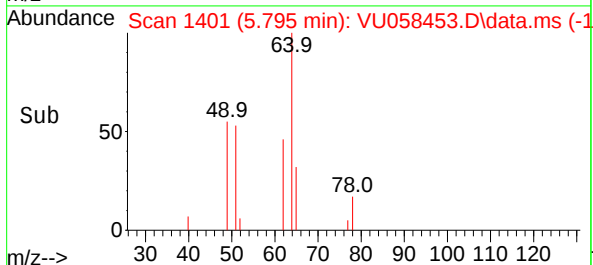
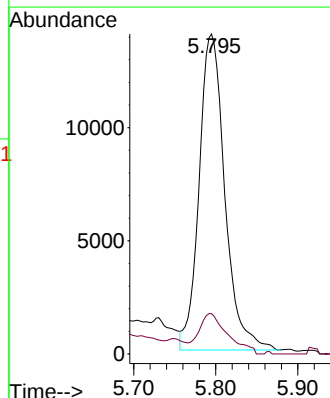
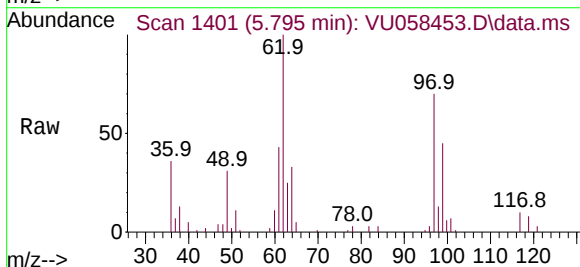
Acq: 06 Apr 2024 04:53

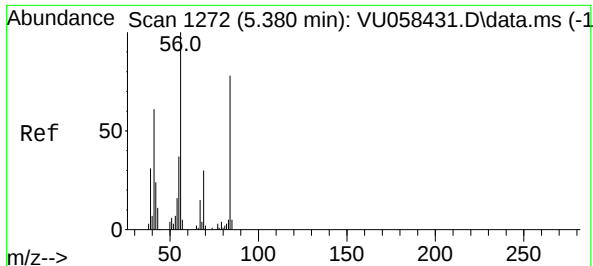
Tgt Ion: 62 Resp: 30441

Ion Ratio Lower Upper

62 100

98 12.6 7.0 10.4#





#30

Cyclohexane

Concen: 0.073 ug/L

RT: 5.386 min Scan# 1272

Delta R.T. 0.007 min

Lab File: VU058453.D

Acq: 06 Apr 2024 04:53

Instrument :

MSVOA_U

ClientSampleId :

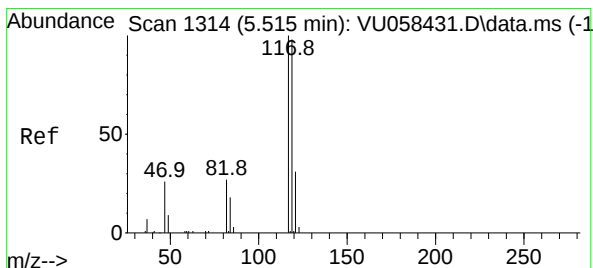
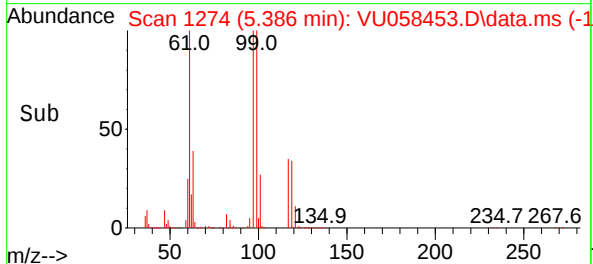
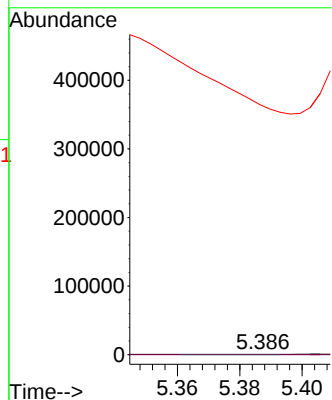
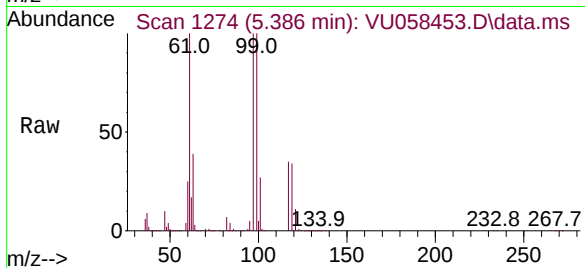
Tgt Ion: 56 Resp: 847

Ion Ratio Lower Upper

56 100

69 0.0 23.2 34.8#

84 0.0 63.3 94.9#



#31

Carbon tetrachloride

Concen: 385.802 ug/L

RT: 5.412 min Scan# 1282

Delta R.T. -0.103 min

Lab File: VU058453.D

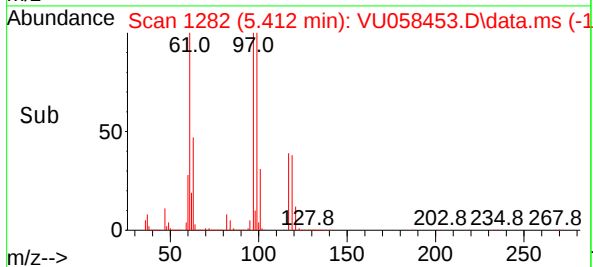
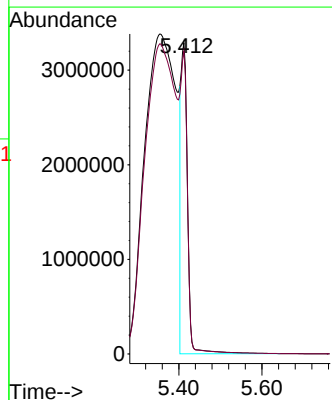
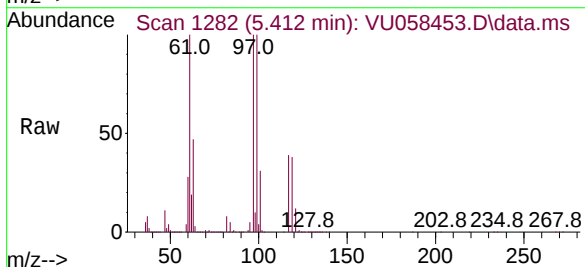
Acq: 06 Apr 2024 04:53

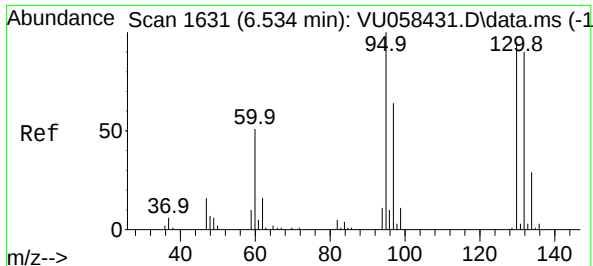
Tgt Ion:117 Resp: 3572385

Ion Ratio Lower Upper

117 100

119 97.7 76.7 115.1





#34

Trichloroethene

Concen: 125.146 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU058453.D

Acq: 06 Apr 2024 04:53

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 932545

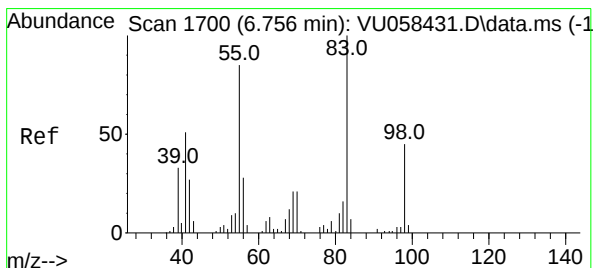
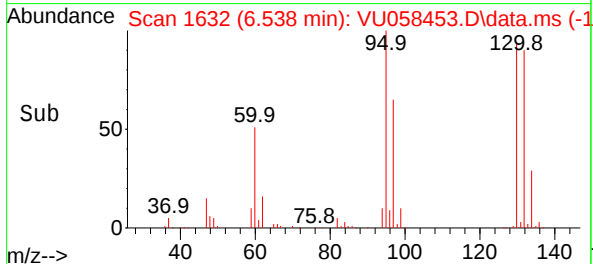
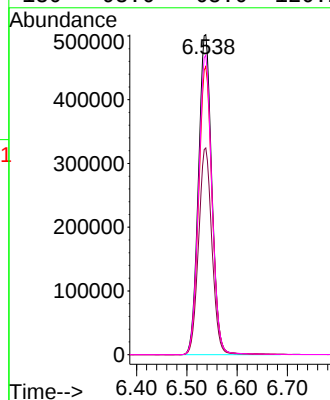
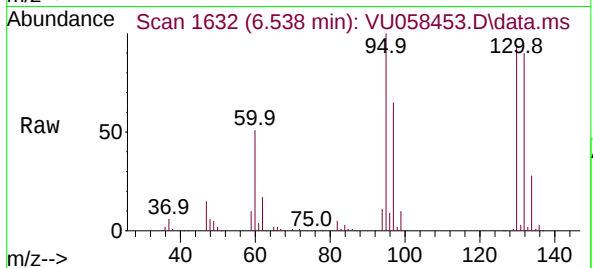
Ion Ratio Lower Upper

95 100

97 64.6 45.6 84.6

132 90.1 64.8 120.3

130 93.6 68.0 126.2



#35

Methylcyclohexane

Concen: 0.629 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.071 min

Lab File: VU058453.D

Acq: 06 Apr 2024 04:53

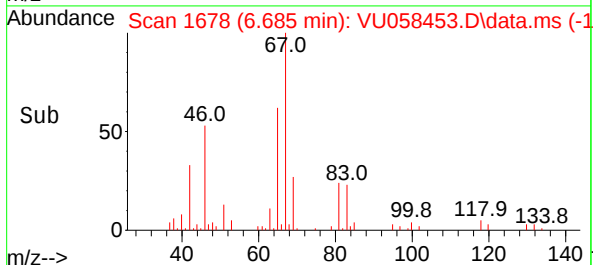
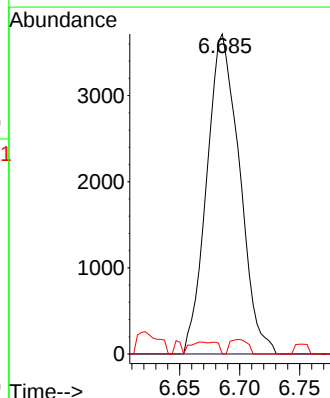
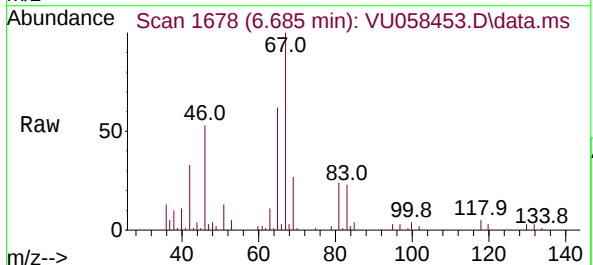
Tgt Ion: 83 Resp: 7058

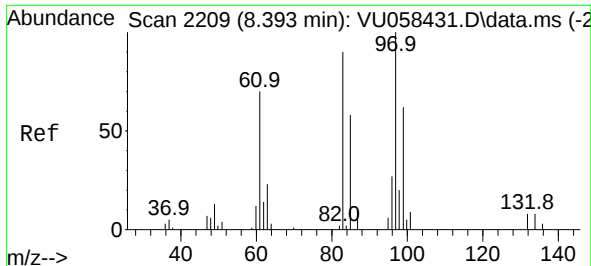
Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

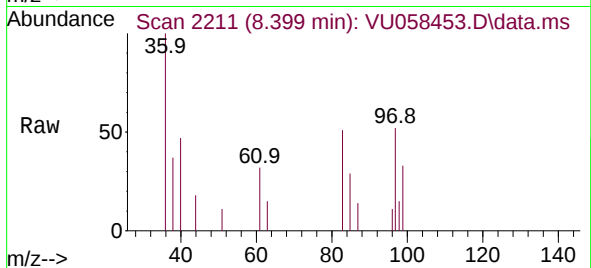
98 0.0 34.6 52.0#



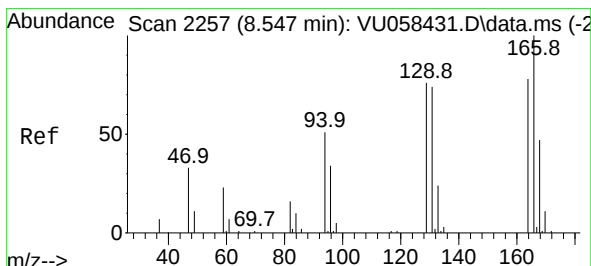
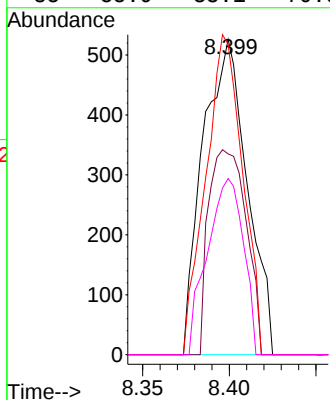
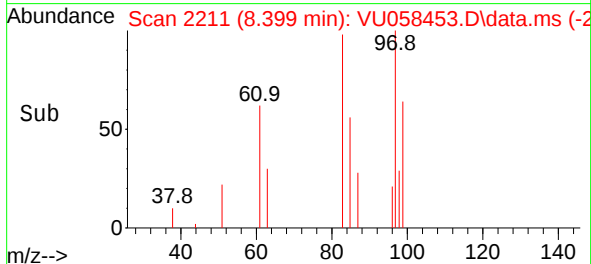


#45
1,1,2-Trichloroethane
Concen: 0.206 ug/L
RT: 8.399 min Scan# 2209
Delta R.T. 0.007 min
Lab File: VU058453.D
Acq: 06 Apr 2024 04:53

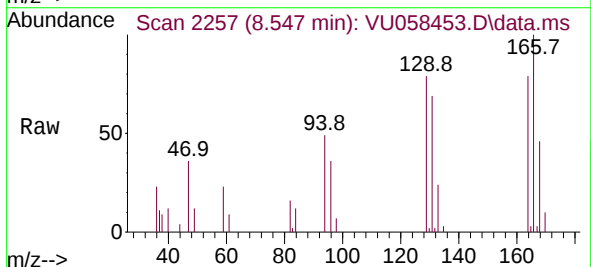
Instrument :
MSVOA_U
ClientSampleId :



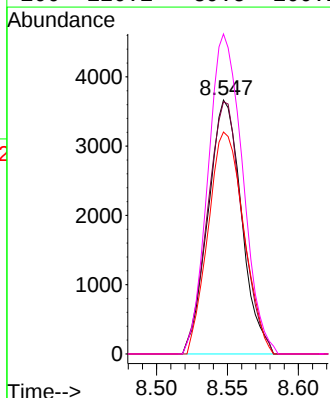
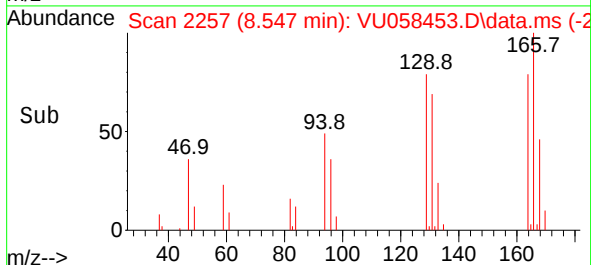
Tgt Ion: 97	Resp: 935
Ion Ratio	Lower Upper
97 100	
99 63.7	43.7 81.1
83 98.5	64.5 119.7
85 55.9	38.1 70.9

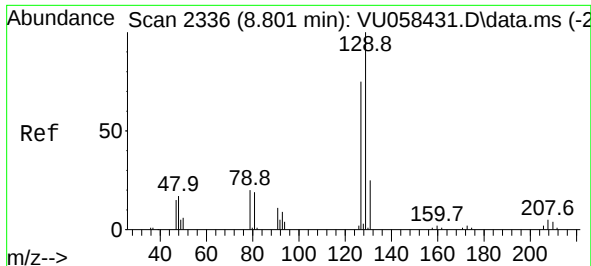


#47
Tetrachloroethene
Concen: 1.102 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058453.D
Acq: 06 Apr 2024 04:53



Tgt	Ion:164	Resp:	6022
Ion	Ratio	Lower	Upper
164	100		
129	99.3	67.3	125.1
131	87.4	65.5	121.6
166	126.1	89.5	166.1





#49

Dibromochloromethane

Concen: 1.178 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU058453.D

Acq: 06 Apr 2024 04:53

Instrument :

MSVOA_U

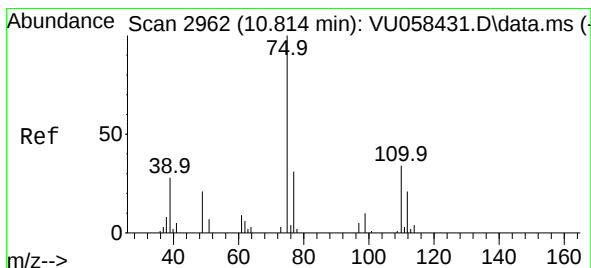
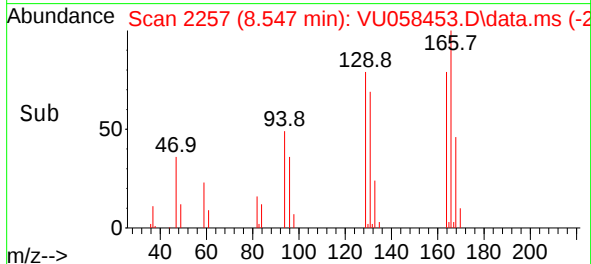
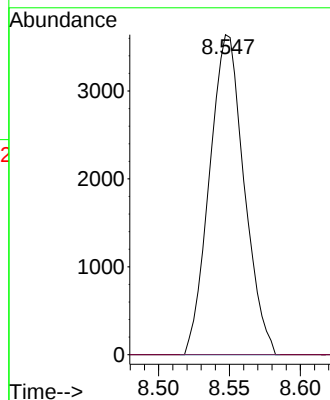
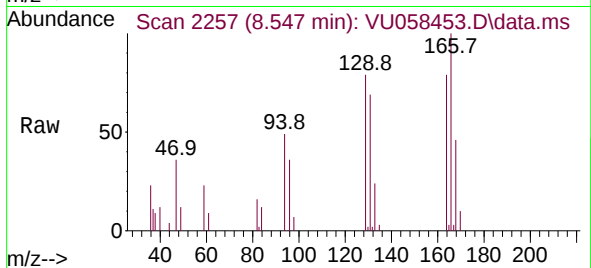
ClientSampleId :

Tgt Ion:129 Resp: 6189

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#



#61

1,2,3-Trichloropropane

Concen: 1.341 ug/L

RT: 11.804 min Scan# 3270

Delta R.T. 0.991 min

Lab File: VU058453.D

Acq: 06 Apr 2024 04:53

Tgt Ion: 75 Resp: 4890

Ion Ratio Lower Upper

75 100

110 0.0 25.8 38.6#

77 31.4 25.1 37.7

