

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040524\
 Data File : VU058446.D
 Acq On : 06 Apr 2024 02:09
 Operator : MD/SY
 Sample : P1948-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 06 06:00:59 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	6.242	114	84724	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	79301	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	34506	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	22427	3.998	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.000%
7) Chloroethane-d5	1.908	69	21018	4.312	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.200%
11) 1,1-Dichloroethene-d2	2.560	65	13108	5.163	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.200%
20) 2-Butanone-d5	4.628	46	55200	46.697	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.400%
24) Chloroform-d	5.055	84	50716	4.529	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	5.695	65	24757	4.738	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	5.721	84	101825	4.769	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.682	67	33107	4.945	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.800%
41) Toluene-d8	7.891	98	85324	4.506	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
43) trans-1,3-Dichloroprop...	8.177	79	10071	4.846	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.000%
46) 2-Hexanone-d5	8.628	63	40976	47.801	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.600%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	21337	4.514	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	26179	4.505	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.000%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	3198	0.371	ug/L	94
9) Trichlorofluoromethane	2.133	101	1467	0.129	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	14070	2.077	ug/L #	32
12) 1,1-Dichloroethene	2.573	96	6120001	1019.257	ug/L #	76
19) 1,1-Dichloroethane	3.859	63	2181101	158.793	ug/L	98
25) Chloroform	5.081	83	14632	1.101	ug/L	99
27) 1,2-Dichloroethane	5.788	62	14687	1.814	ug/L #	89
30) Cyclohexane	5.358	56	1337	0.119	ug/L #	1
31) Carbon tetrachloride	5.345	117	10240332	1137.290	ug/L	100
34) Trichloroethene	6.534	95	235248	32.466	ug/L	97
35) Methylcyclohexane	6.682	83	7057	0.646	ug/L #	27
37) 1,2-Dichloropropane	6.685	63	3725	0.493	ug/L #	90
45) 1,1,2-Trichloroethane	8.396	97	819	0.185	ug/L	91
47) Tetrachloroethene	8.547	164	7314	1.377	ug/L	92
49) Dibromochloromethane	8.547	129	7442	1.457	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	4491	1.276	ug/L #	69

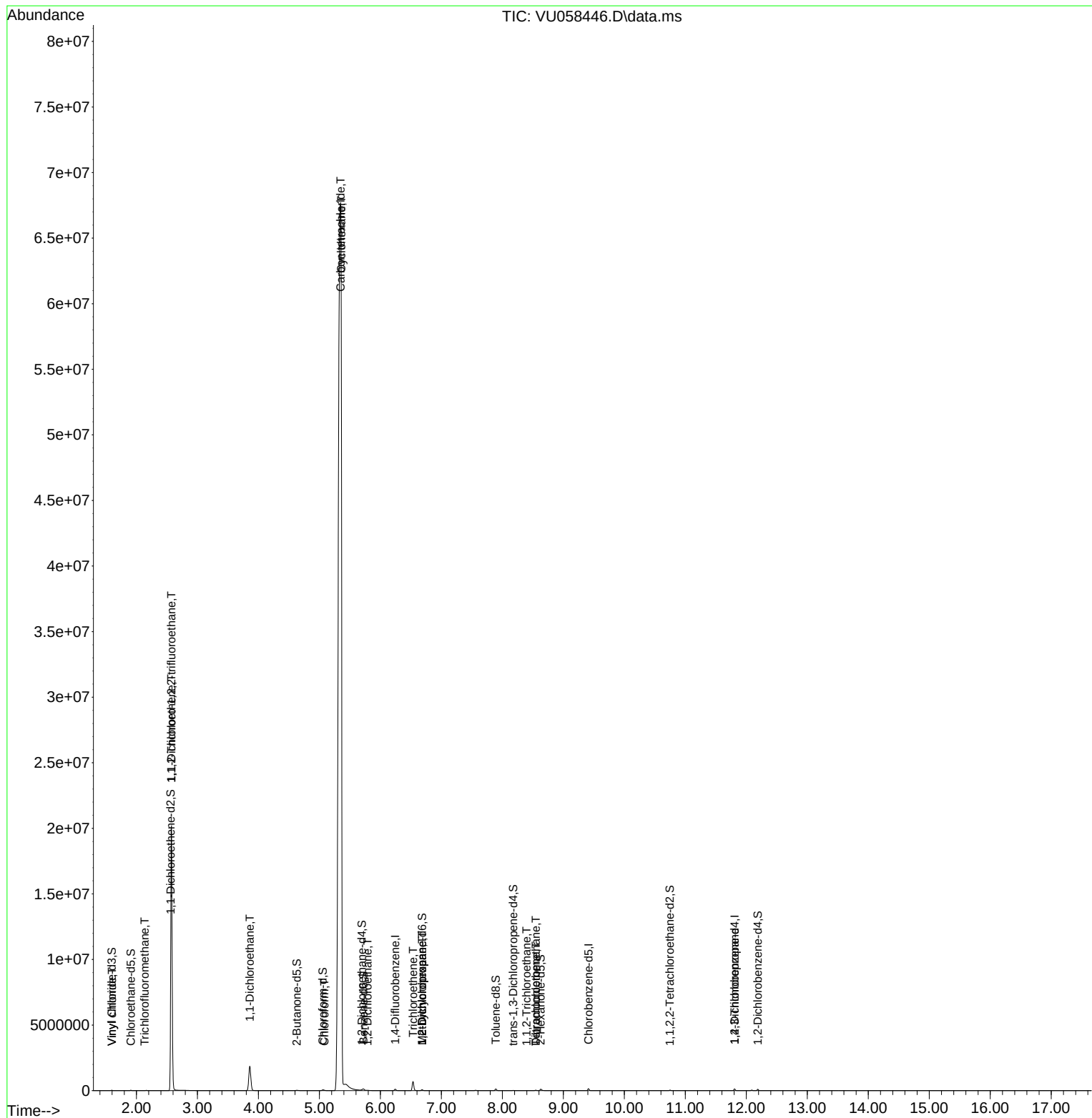
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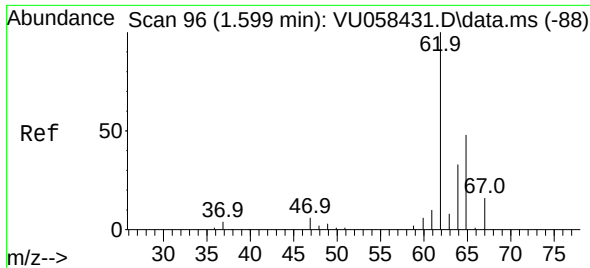
Instrument :
MSVOA_U
ClientSampleId :

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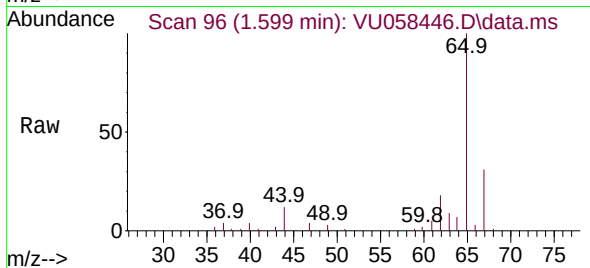
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Apr 06 00:37:11 2024
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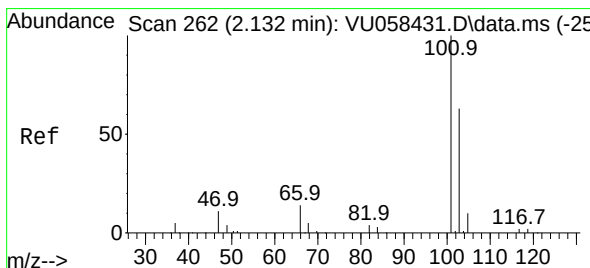
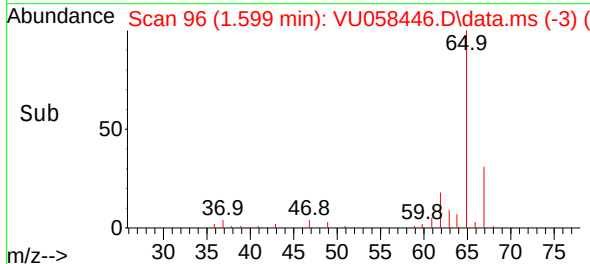
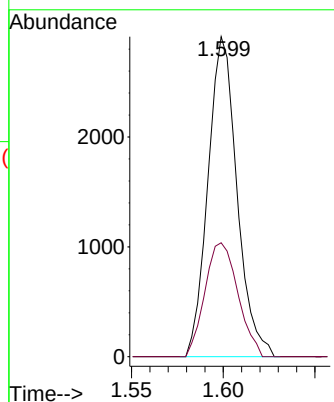


#5
 Vinyl chloride
 Concen: 0.371 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU058446.D
 Acq: 06 Apr 2024 02:09

Instrument :
 MSVOA_U
 ClientSampleId :

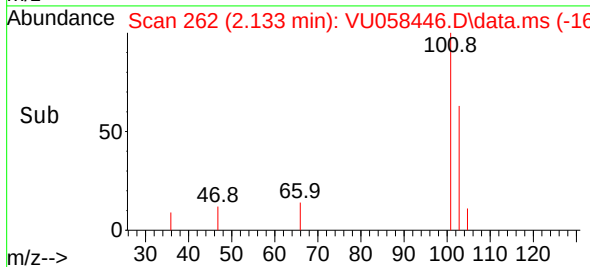
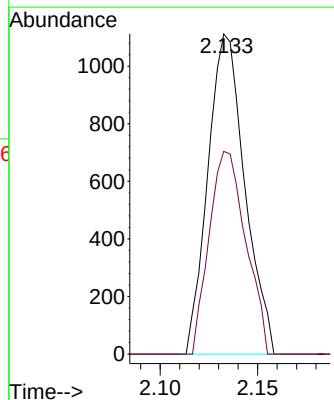
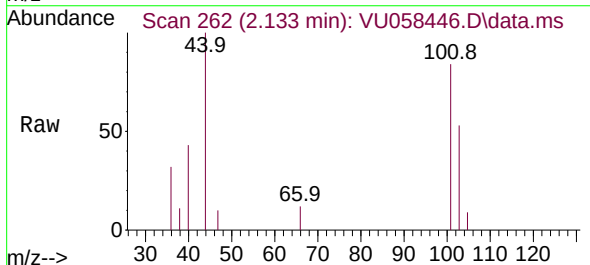


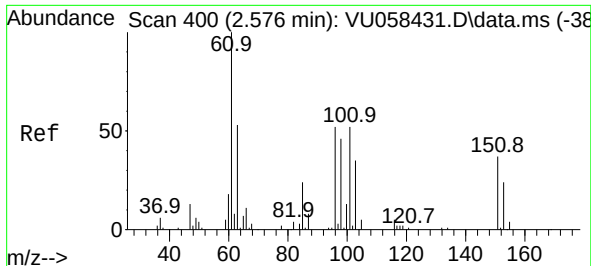
Tgt Ion: 62 Resp: 3198
 Ion Ratio Lower Upper
 62 100
 64 35.6 22.6 42.0



#9
 Trichlorofluoromethane
 Concen: 0.129 ug/L
 RT: 2.133 min Scan# 262
 Delta R.T. 0.000 min
 Lab File: VU058446.D
 Acq: 06 Apr 2024 02:09

Tgt Ion: 101 Resp: 1467
 Ion Ratio Lower Upper
 101 100
 103 62.7 51.2 76.8

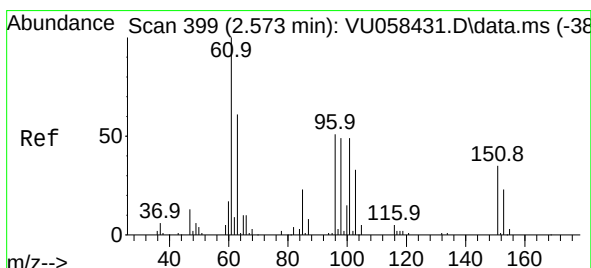
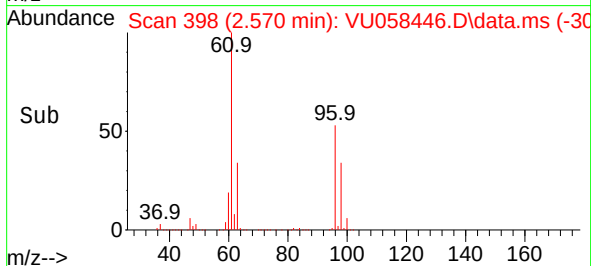
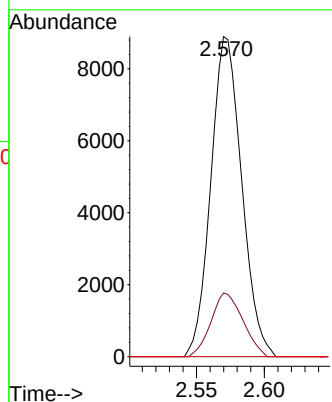
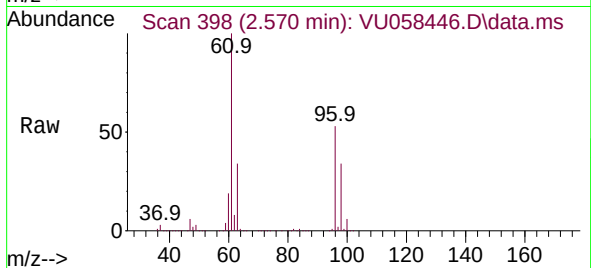




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.077 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.006 min
Lab File: VU058446.D
Acq: 06 Apr 2024 02:09

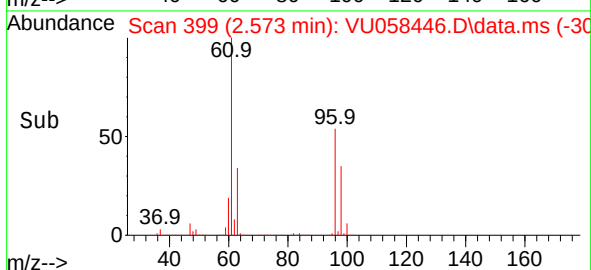
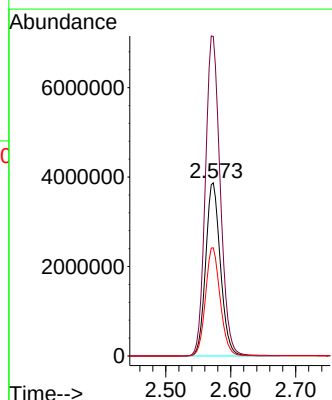
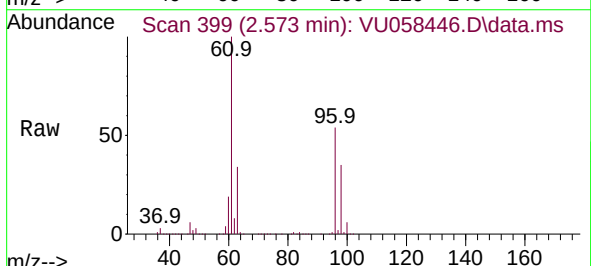
Instrument :
MSVOA_U
ClientSampleId :

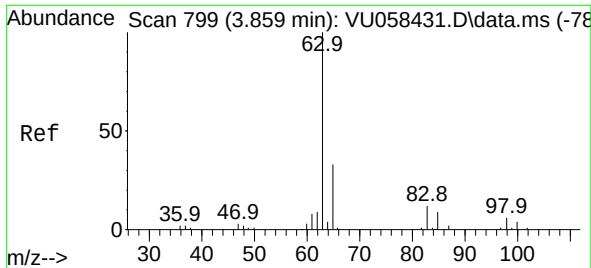
Tgt Ion:101 Resp: 14070
Ion Ratio Lower Upper
101 100
85 20.6 36.8 55.2#
151 0.0 58.2 87.4#



#12
1,1-Dichloroethene
Concen: 1019.257 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU058446.D
Acq: 06 Apr 2024 02:09

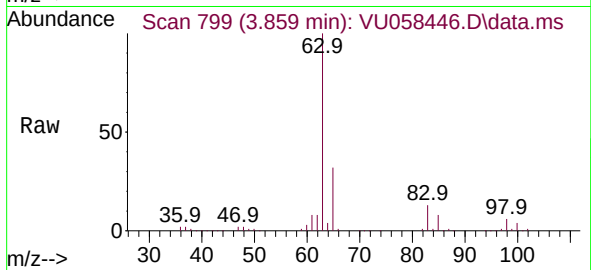
Tgt Ion: 96 Resp: 6120001
Ion Ratio Lower Upper
96 100
61 184.5 132.5 246.1
63 62.5 87.7 162.9#



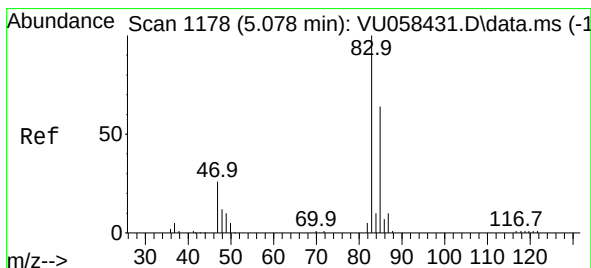
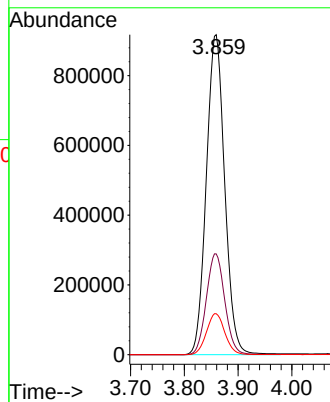
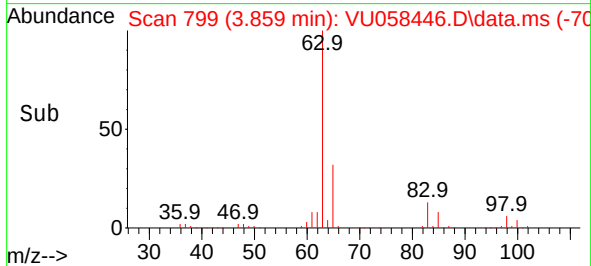


#19
1,1-Dichloroethane
Concen: 158.793 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU058446.D
Acq: 06 Apr 2024 02:09

Instrument :
MSVOA_U
ClientSampleId :

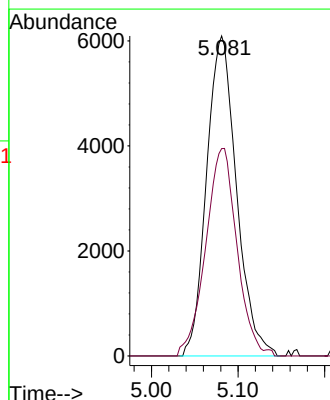
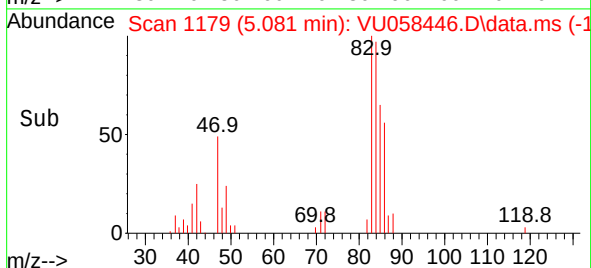
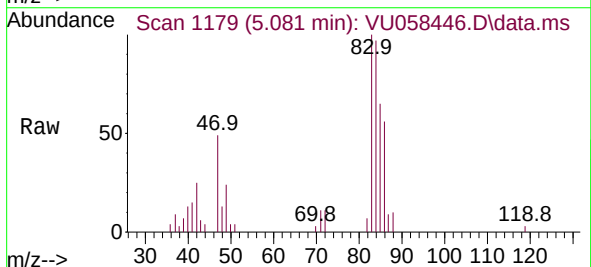


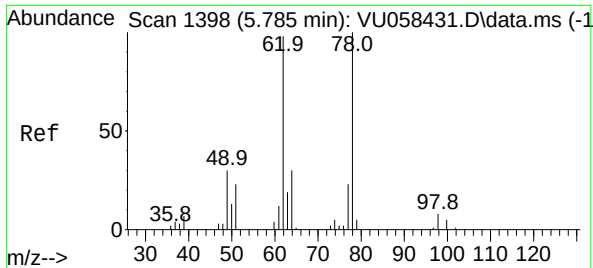
Tgt Ion: 63 Resp: 2181101
Ion Ratio Lower Upper
63 100
65 31.5 22.9 42.5
83 12.8 9.6 17.8



#25
Chloroform
Concen: 1.101 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. 0.003 min
Lab File: VU058446.D
Acq: 06 Apr 2024 02:09

Tgt Ion: 83 Resp: 14632
Ion Ratio Lower Upper
83 100
85 64.8 44.7 83.1

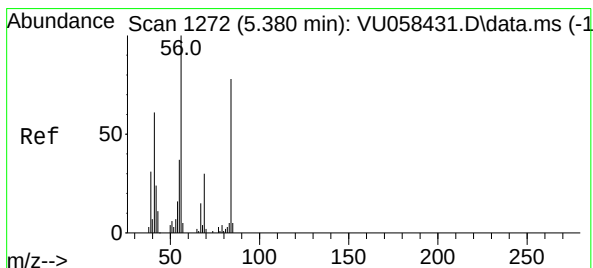
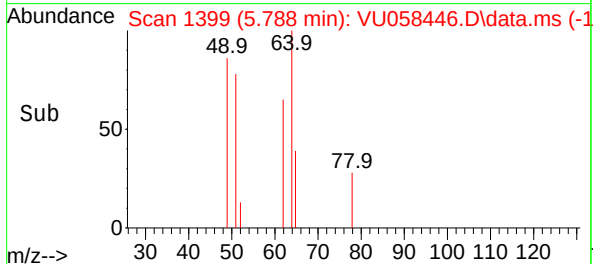
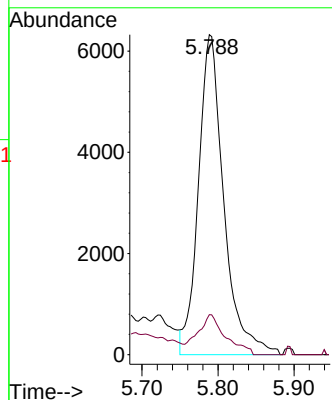
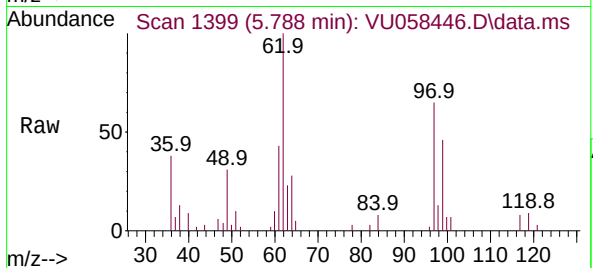




#27
1,2-Dichloroethane
Concen: 1.814 ug/L
RT: 5.788 min Scan# 14687
Delta R.T. 0.003 min
Lab File: VU058446.D
Acq: 06 Apr 2024 02:09

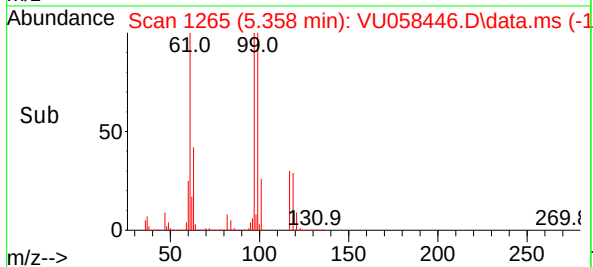
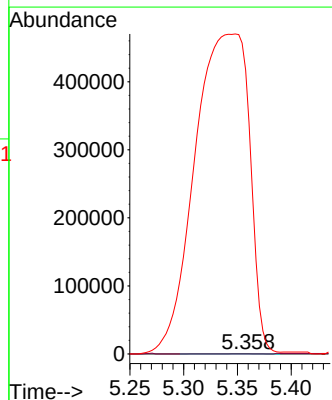
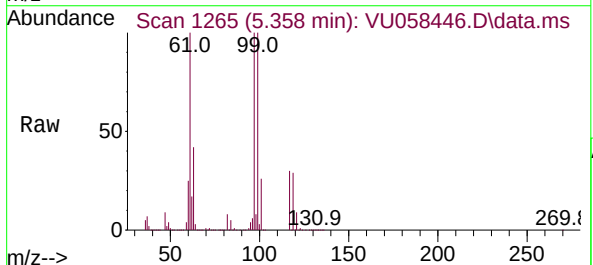
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MSVOA_U
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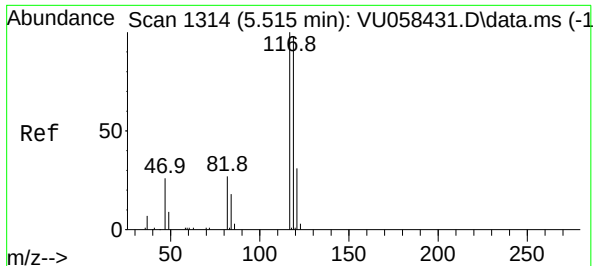
Tgt Ion: 62 Resp: 14687
Ion Ratio Lower Upper
62 100
98 12.5 7.0 10.4#



#30
Cyclohexane
Concen: 0.119 ug/L
RT: 5.358 min Scan# 1265
Delta R.T. -0.022 min
Lab File: VU058446.D
Acq: 06 Apr 2024 02:09

Tgt Ion: 56 Resp: 1337
Ion Ratio Lower Upper
56 100
69 83.9 23.2 34.8#
84 124114.2 63.3 94.9#

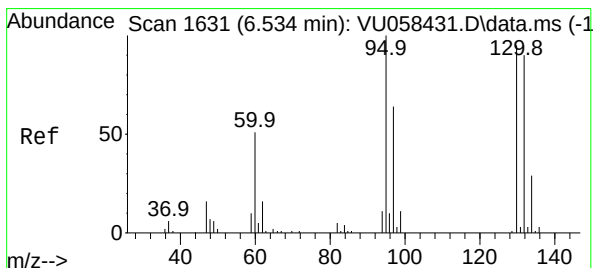
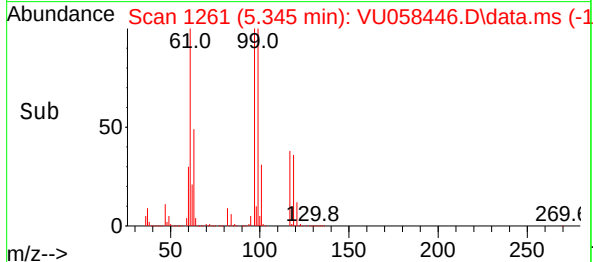
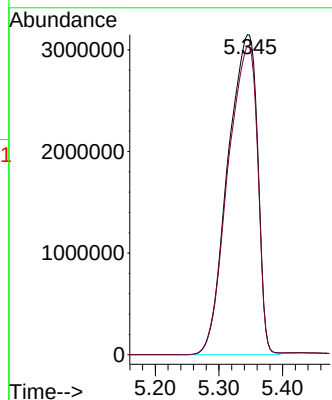
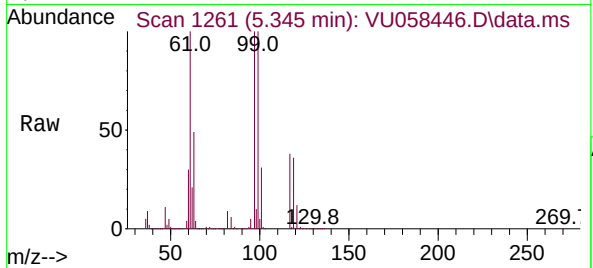




#31
Carbon tetrachloride
Concen: 1137.290 ug/L
RT: 5.345 min Scan# 117
Delta R.T. -0.170 min
Lab File: VU058446.D
Acq: 06 Apr 2024 02:09

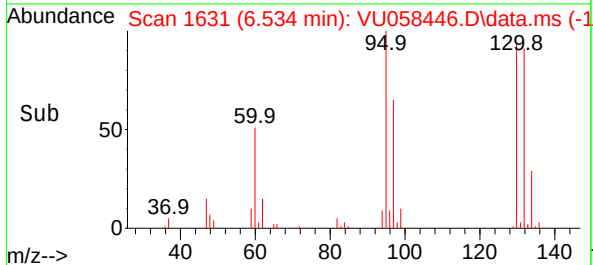
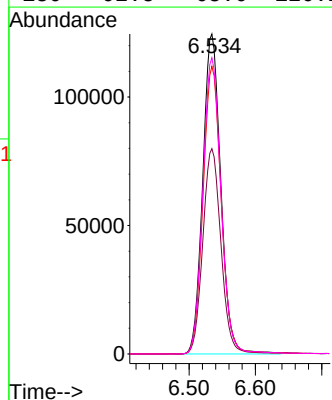
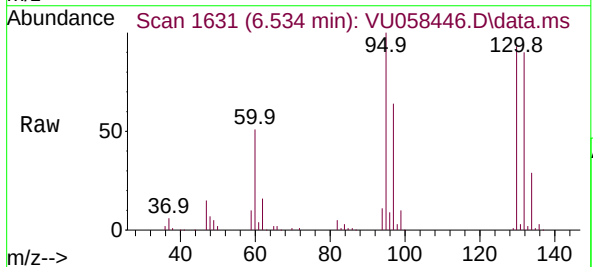
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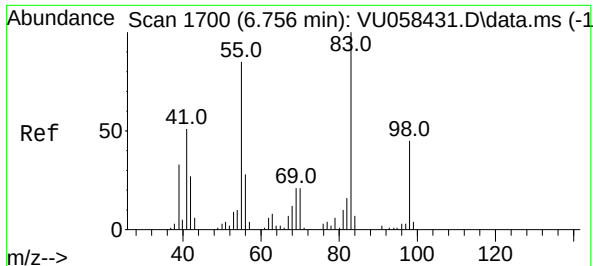
Tgt Ion:117 Resp:10240332
Ion Ratio Lower Upper
117 100
119 96.2 76.7 115.1



#34
Trichloroethene
Concen: 32.466 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU058446.D
Acq: 06 Apr 2024 02:09

Tgt Ion: 95 Resp: 235248
Ion Ratio Lower Upper
95 100
97 64.2 45.6 84.6
132 89.9 64.8 120.3
130 92.5 68.0 126.2





#35

Methylcyclohexane

Concen: 0.646 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU058446.D

Acq: 06 Apr 2024 02:09

Instrument :

MSVOA_U

ClientSampleId :

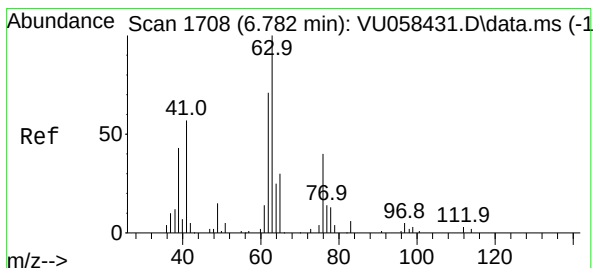
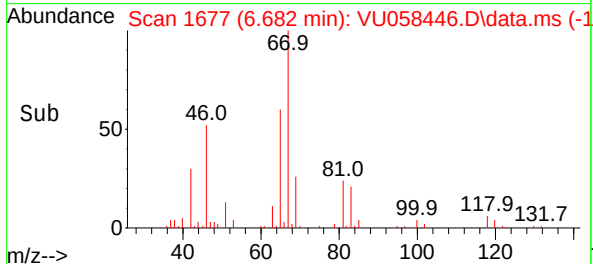
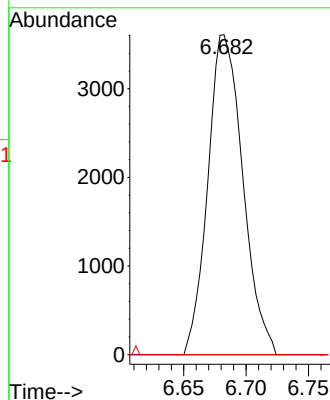
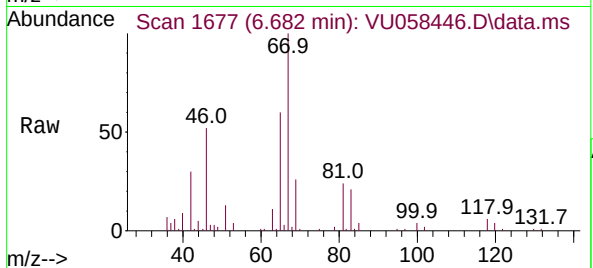
Tgt Ion: 83 Resp: 7057

Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

98 20.7 34.6 52.0#



#37

1,2-Dichloropropane

Concen: 0.493 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.096 min

Lab File: VU058446.D

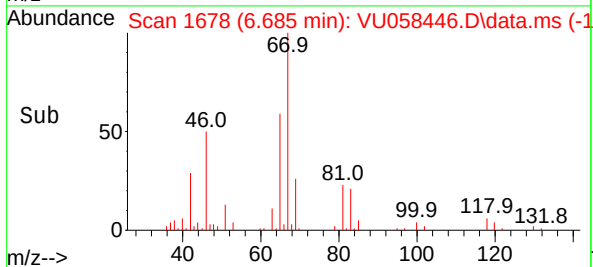
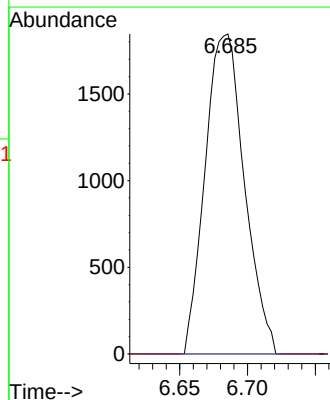
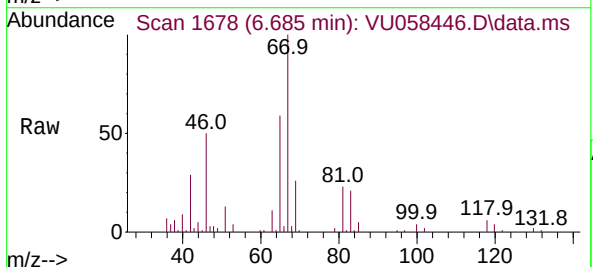
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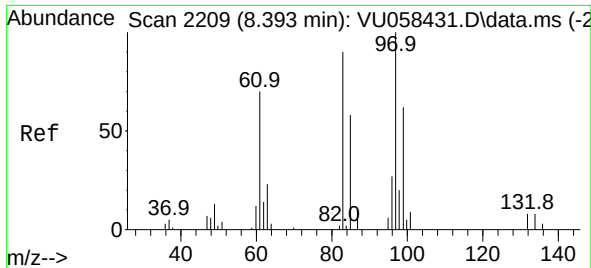
Tgt Ion: 63 Resp: 3725

Ion Ratio Lower Upper

63 100

112 0.0 2.6 4.0#





#45

1,1,2-Trichloroethane

Concen: 0.185 ug/L

RT: 8.396 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VU058446.D

Acq: 06 Apr 2024 02:09

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 819

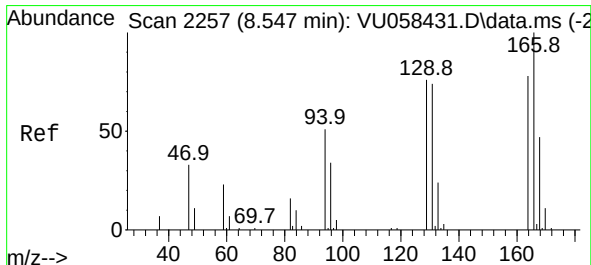
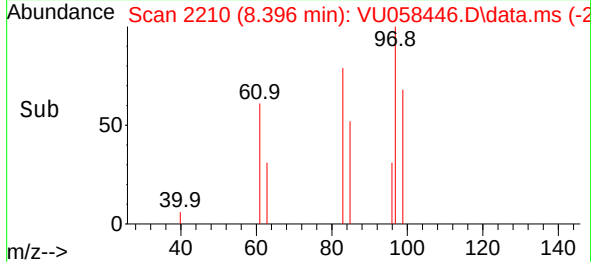
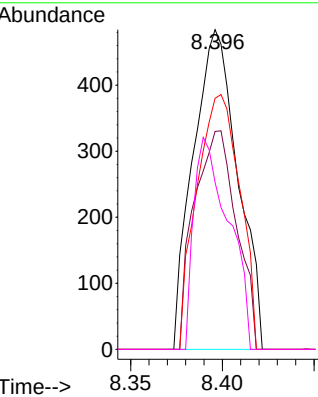
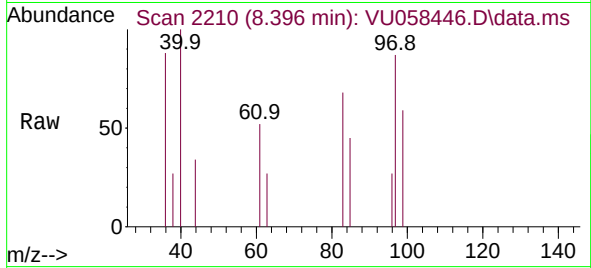
Ion Ratio Lower Upper

97 100

99 68.2 43.7 81.1

83 78.5 64.5 119.7

85 52.3 38.1 70.9



#47

Tetrachloroethene

Concen: 1.377 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU058446.D

Acq: 06 Apr 2024 02:09

Tgt Ion:164 Resp: 7314

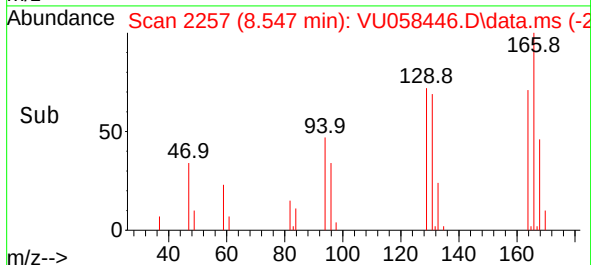
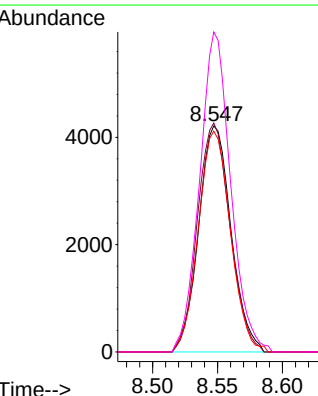
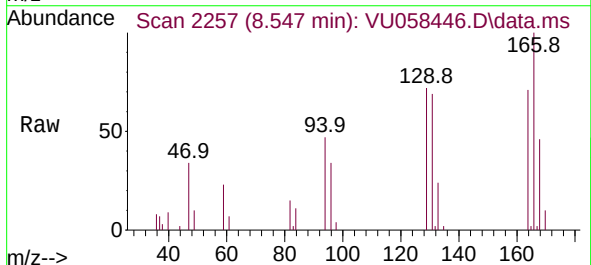
Ion Ratio Lower Upper

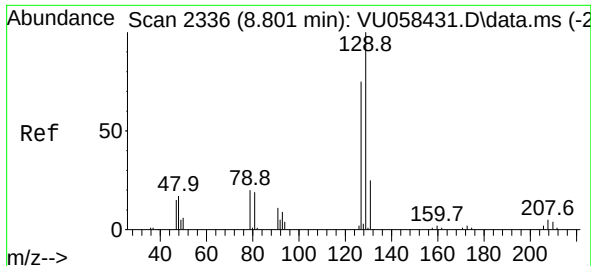
164 100

129 101.3 67.3 125.1

131 97.6 65.5 121.6

166 141.5 89.5 166.1





#49

Dibromochloromethane

Concen: 1.457 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU058446.D

Acq: 06 Apr 2024 02:09

Instrument :

MSVOA_U

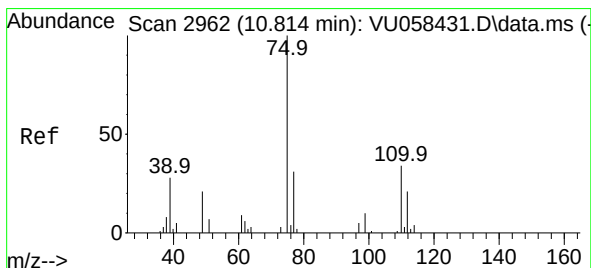
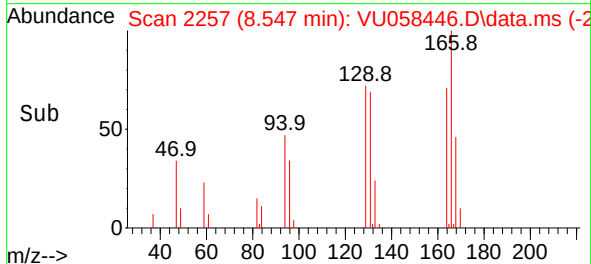
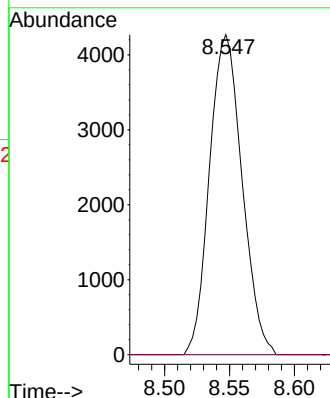
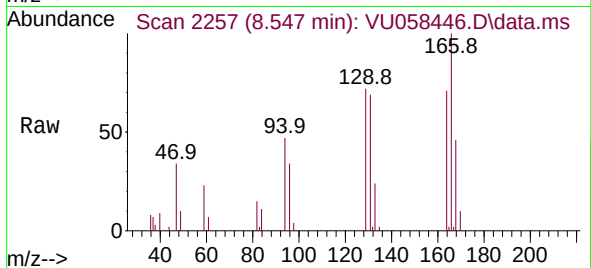
ClientSampleId :

Tgt Ion:129 Resp: 7442

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#



#61

1,2,3-Trichloropropane

Concen: 1.276 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.994 min

Lab File: VU058446.D

Acq: 06 Apr 2024 02:09

Tgt Ion: 75 Resp: 4491

Ion Ratio Lower Upper

75 100

110 0.0 25.8 38.6#

77 33.6 25.1 37.7

