

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091724\
 Data File : VU060825.D
 Acq On : 17 Sep 2024 12:04
 Operator : MD/SY
 Sample : P3952-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 18 01:16:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 18 01:15:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	178993	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	188987	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	76865	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	49047	3.047	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.000%
7) Chloroethane-d5	1.911	69	49479	4.317	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.400%
11) 1,1-Dichloroethene-d2	2.560	65	23350	4.092	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.800%
20) 2-Butanone-d5	4.641	46	141296	54.670	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.340%
24) Chloroform-d	5.055	84	119800	4.868	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	5.695	65	60711	5.161	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.200%
32) Benzene-d6	5.721	84	241117	4.760	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	6.685	67	81187	5.180	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.600%
41) Toluene-d8	7.891	98	206964	4.482	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
43) trans-1,3-Dichloroprop...	8.177	79	20414	3.619	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.400%
46) 2-Hexanone-d5	8.631	63	110747	49.766	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.540%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	62524	5.092	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	71057	5.502	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.000%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	16235	1.317	ug/L	98
12) 1,1-Dichloroethene	2.576	96	65073	5.780	ug/L	80
16) Methylene chloride	3.039	84	2597	0.199	ug/L	89
19) 1,1-Dichloroethane	3.862	63	29763	1.271	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	145396	11.260	ug/L	95
25) Chloroform	5.081	83	32633	1.336	ug/L	96
29) 1,1,1-Trichloroethane	5.313	97	12281	0.602	ug/L	97
31) Carbon tetrachloride	5.518	117	18692	1.035	ug/L	97
34) Trichloroethene	6.534	95	1753000	128.685	ug/L	97
35) Methylcyclohexane	6.682	83	18123	0.970	ug/L #	18
37) 1,2-Dichloropropane	6.682	63	7727	0.540	ug/L #	93
42) Toluene	7.965	91	6291	0.116	ug/L	96
45) 1,1,2-Trichloroethane	8.402	97	1309	0.127	ug/L #	49
47) Tetrachloroethene	8.547	164	178509	16.489	ug/L	97
49) Dibromochloromethane	8.547	129	166616	14.158	ug/L #	9
61) 1,2,3-Trichloropropane	11.807	75	8615	1.202	ug/L #	67

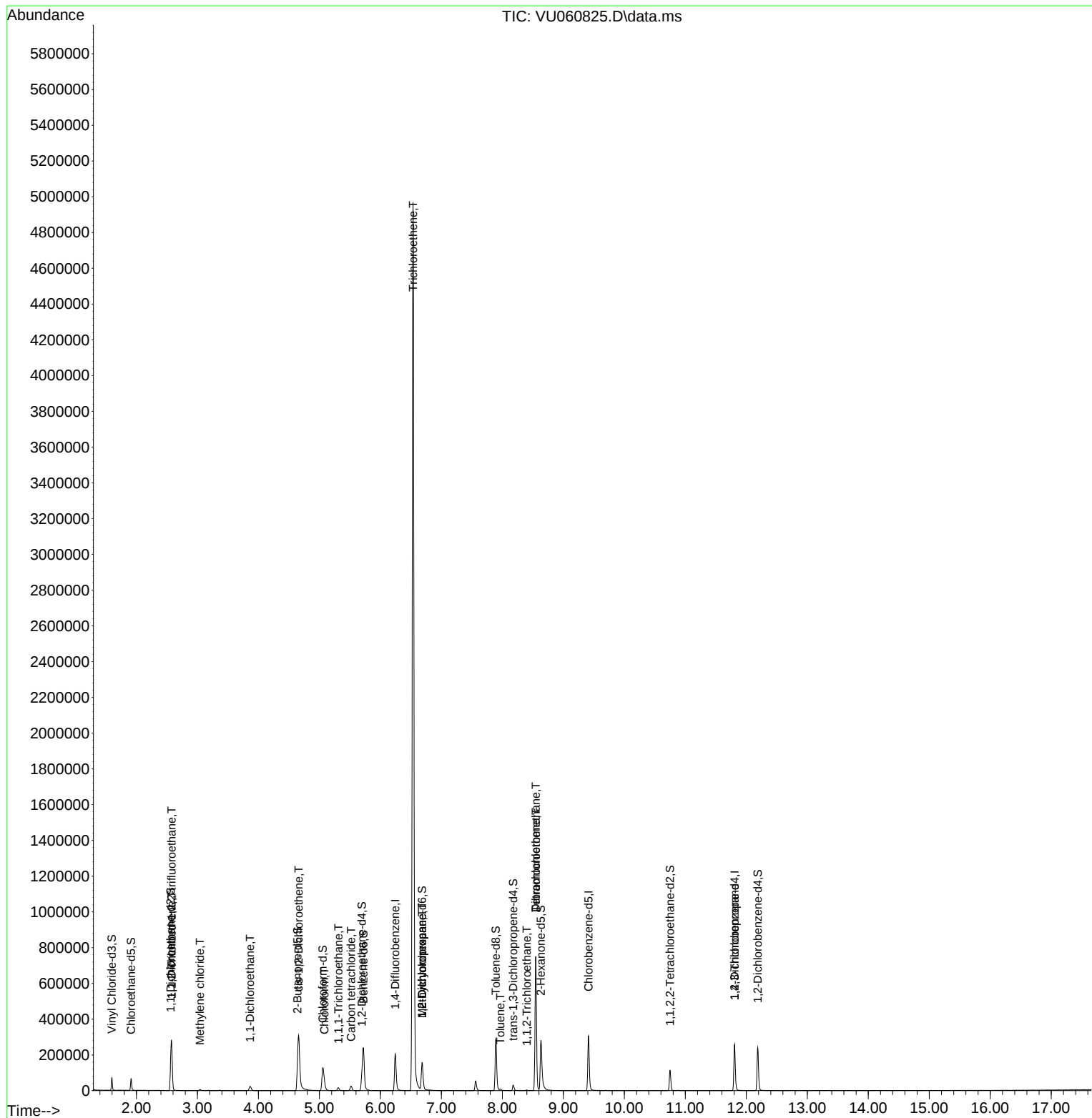
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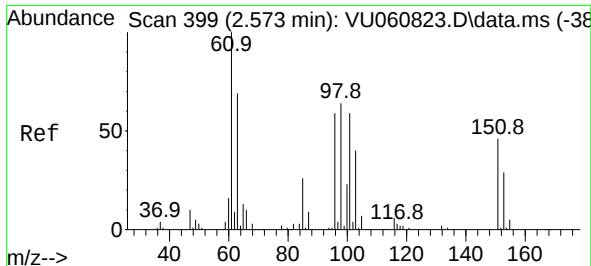
Instrument :
MSVOA_U
ClientSampleId :

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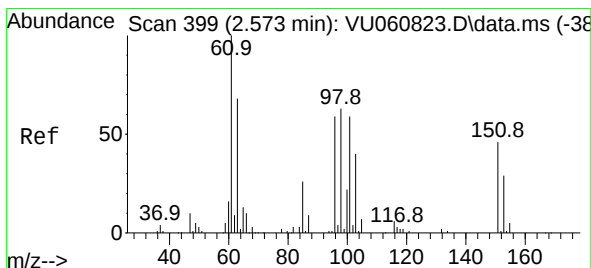
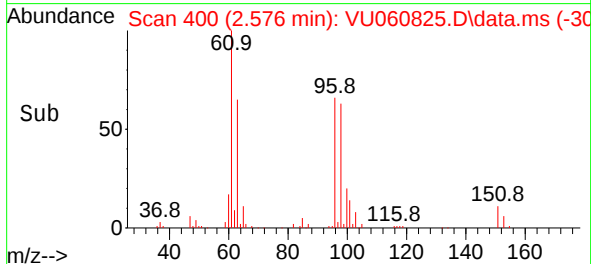
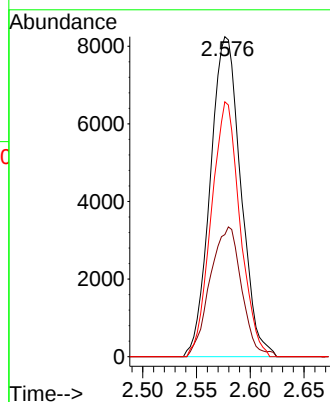
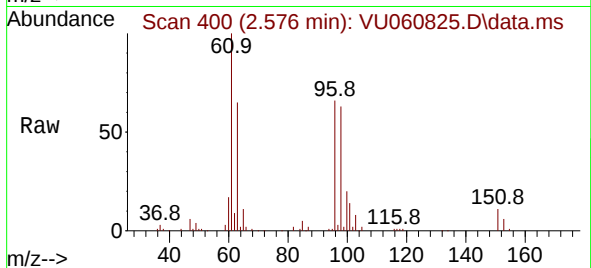




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.317 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU060825.D
 Acq: 17 Sep 2024 12:04

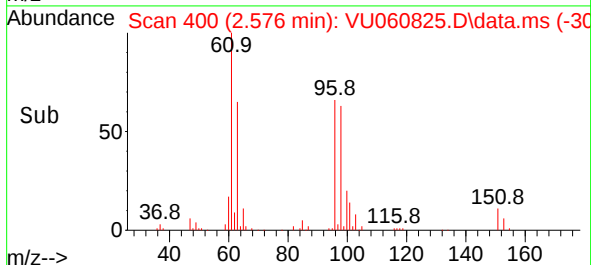
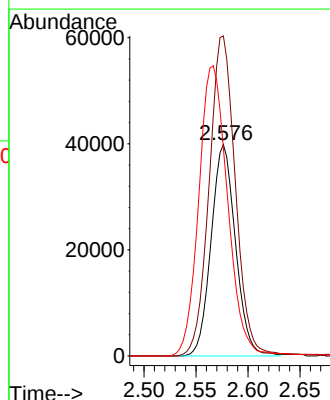
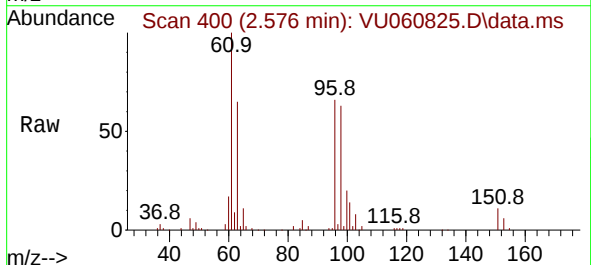
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 MSVOA_U
 ClientSampleId :

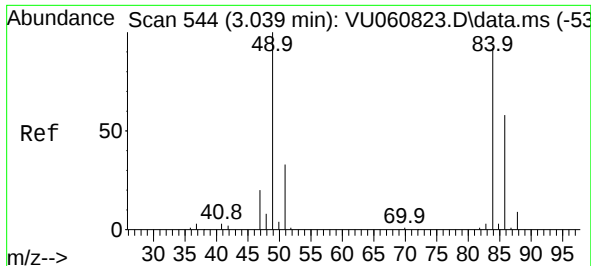
Tgt Ion:101 Resp: 16235
 Ion Ratio Lower Upper
 101 100
 85 41.8 34.2 51.4
 151 75.0 58.6 88.0



#12
 1,1-Dichloroethene
 Concen: 5.780 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU060825.D
 Acq: 17 Sep 2024 12:04

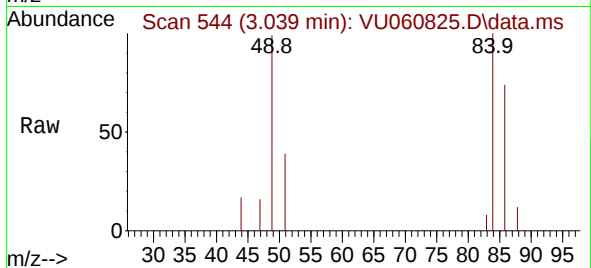
Tgt Ion: 96 Resp: 65073
 Ion Ratio Lower Upper
 96 100
 61 151.4 120.7 224.1
 63 98.2 90.0 167.2



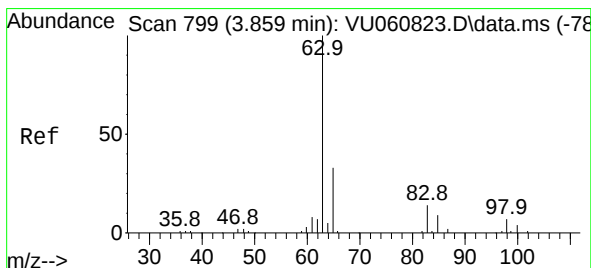
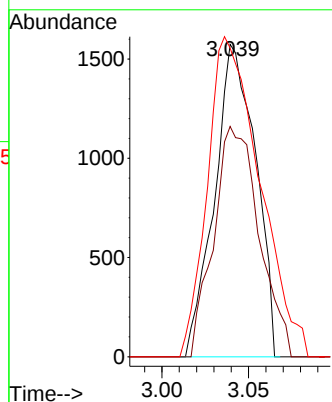
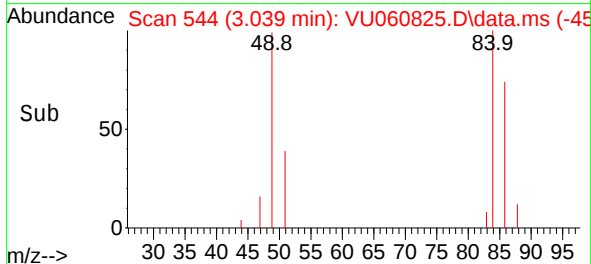


#16
Methylene chloride
Concen: 0.199 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU060825.D
Acq: 17 Sep 2024 12:04

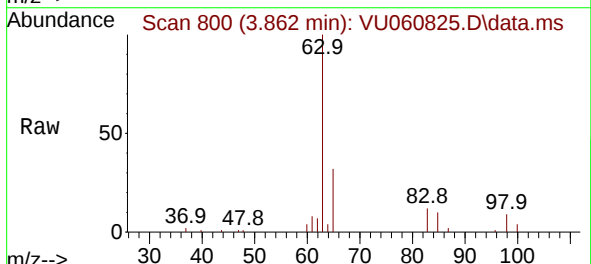
Instrument :
MSVOA_U
ClientSampleId :



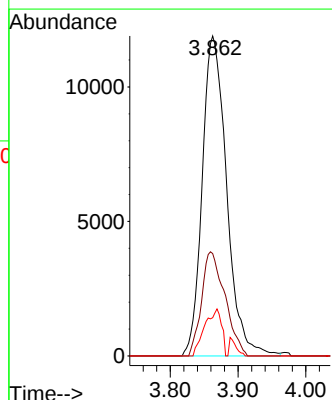
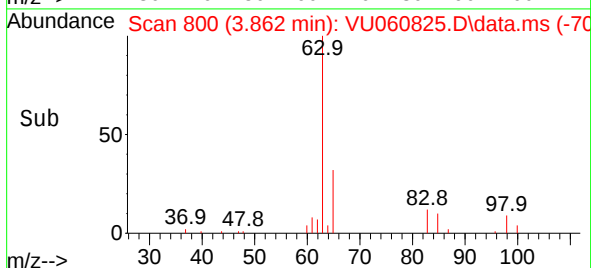
Tgt Ion: 84 Resp: 2597
Ion Ratio Lower Upper
84 100
86 73.8 47.3 87.8
49 98.9 78.7 146.1

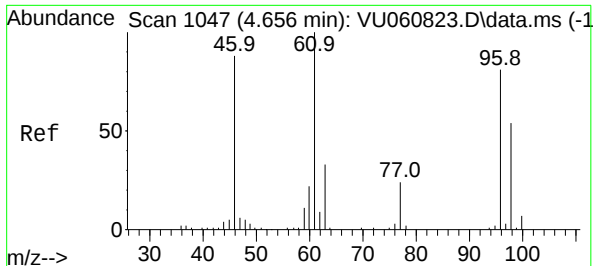


#19
1,1-Dichloroethane
Concen: 1.271 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU060825.D
Acq: 17 Sep 2024 12:04



Tgt Ion: 63 Resp: 29763
Ion Ratio Lower Upper
63 100
65 32.0 23.0 42.8
83 11.9 9.0 16.6

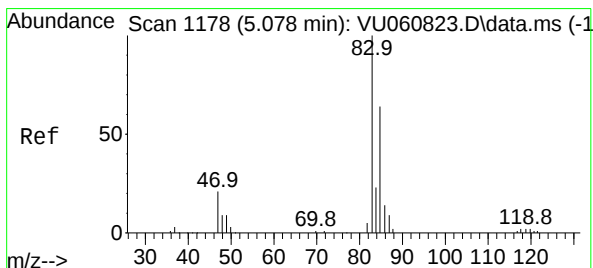
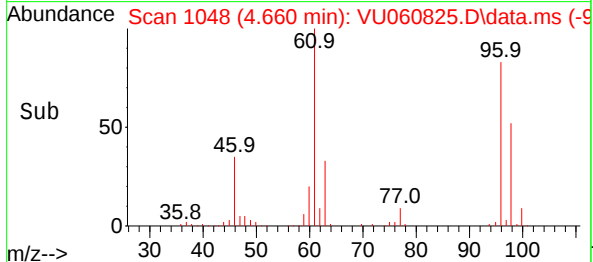
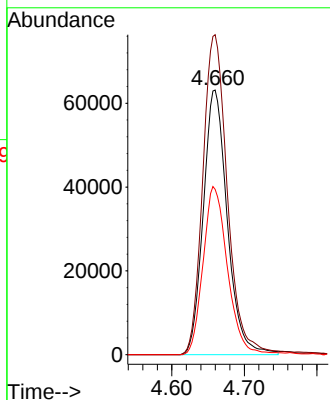
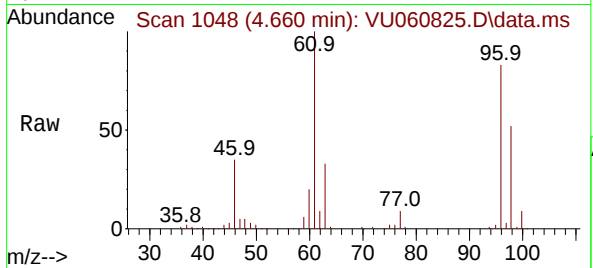




#22
 cis-1,2-Dichloroethene
 Concen: 11.260 ug/L
 RT: 4.660 min Scan# 1179
 Delta R.T. 0.003 min
 Lab File: VU060825.D
 Acq: 17 Sep 2024 12:04

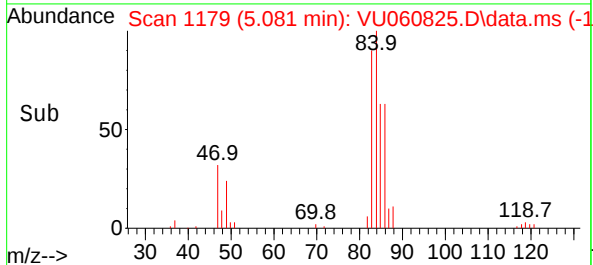
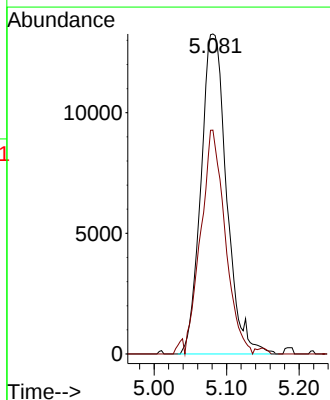
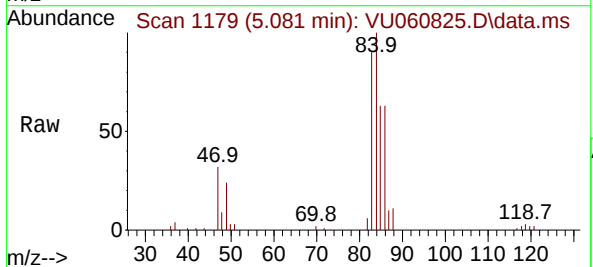
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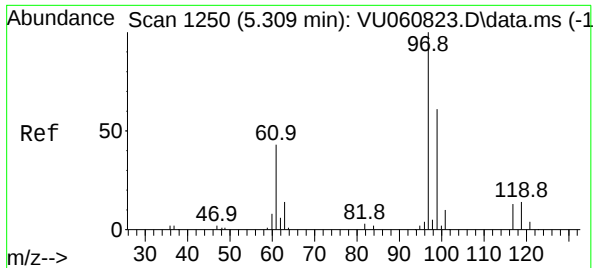
Tgt Ion: 96 Resp: 145396
 Ion Ratio Lower Upper
 96 100
 61 120.9 89.7 166.5
 98 62.5 45.1 83.9



#25
 Chloroform
 Concen: 1.336 ug/L
 RT: 5.081 min Scan# 1179
 Delta R.T. 0.003 min
 Lab File: VU060825.D
 Acq: 17 Sep 2024 12:04

Tgt Ion: 83 Resp: 32633
 Ion Ratio Lower Upper
 83 100
 85 70.0 46.8 86.8

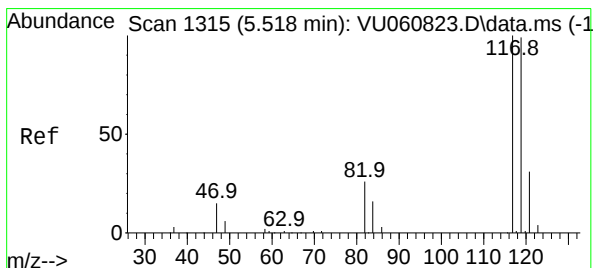
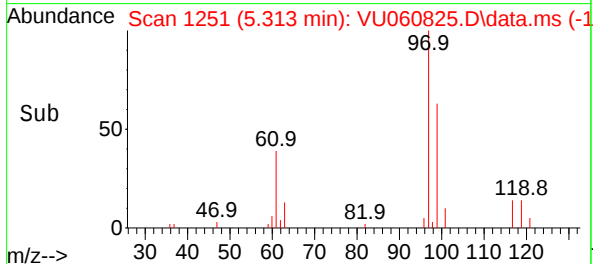
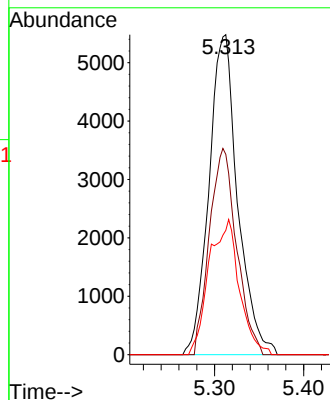
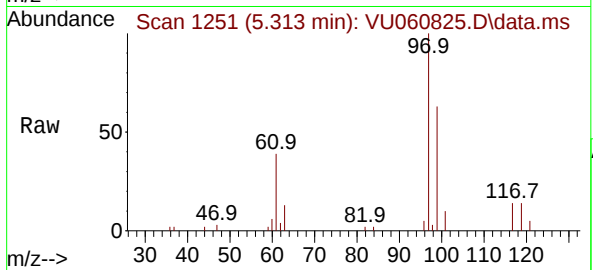




#29
1,1,1-Trichloroethane
Concen: 0.602 ug/L
RT: 5.313 min Scan# 1251
Delta R.T. 0.003 min
Lab File: VU060825.D
Acq: 17 Sep 2024 12:04

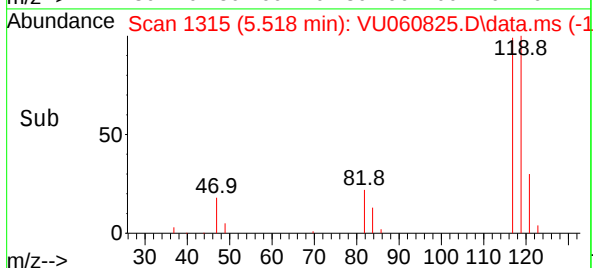
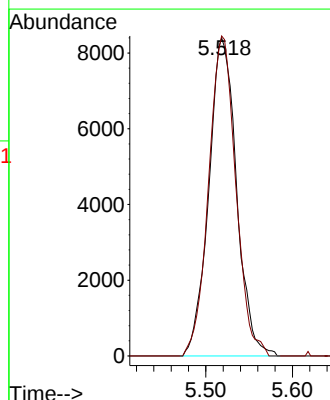
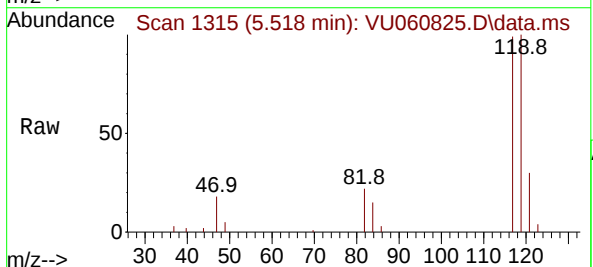
Instrument :
MSVOA_U
ClientSampleId :

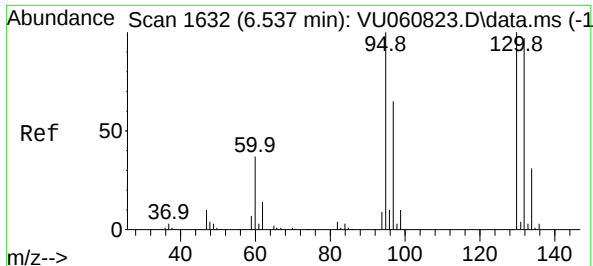
Tgt Ion:	97	Resp:	12281
Ion	Ratio	Lower	Upper
97	100		
99	61.1	50.5	75.7
61	44.5	34.4	51.6



#31
Carbon tetrachloride
Concen: 1.035 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU060825.D
Acq: 17 Sep 2024 12:04

Tgt Ion:	117	Resp:	18692
Ion	Ratio	Lower	Upper
117	100		
119	98.6	76.3	114.5





#34

Trichloroethene

Concen: 128.685 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU060825.D

Acq: 17 Sep 2024 12:04

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 1753000

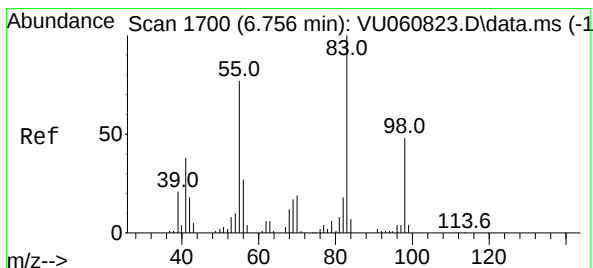
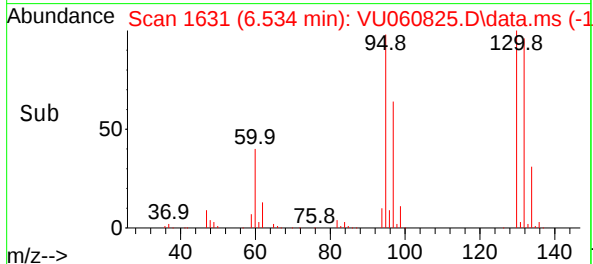
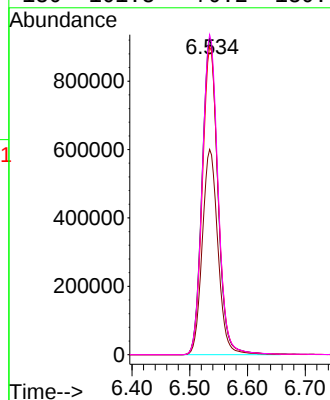
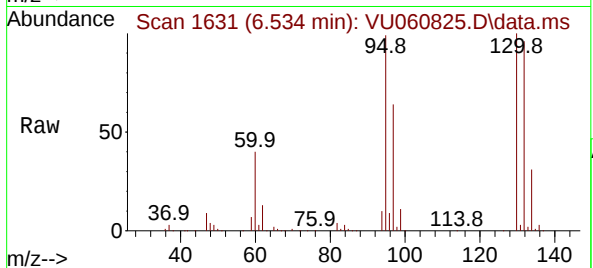
Ion Ratio Lower Upper

95 100

97 65.0 44.9 83.5

132 97.5 63.5 117.9

130 101.3 70.2 130.4



#35

Methylcyclohexane

Concen: 0.970 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.074 min

Lab File: VU060825.D

Acq: 17 Sep 2024 12:04

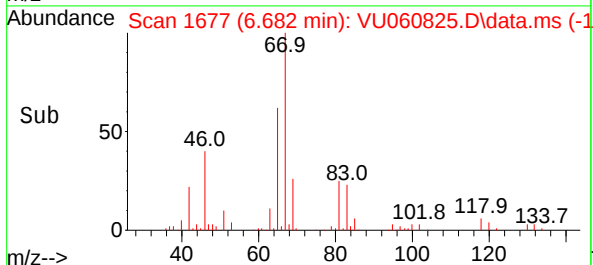
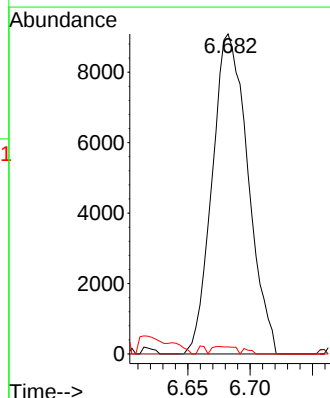
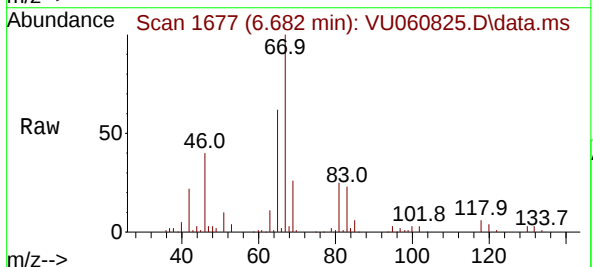
Tgt Ion: 83 Resp: 18123

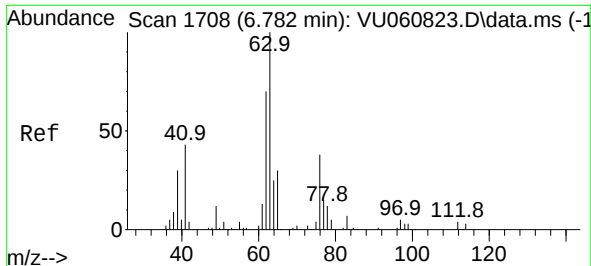
Ion Ratio Lower Upper

83 100

55 0.3 62.6 94.0#

98 0.0 37.6 56.4#

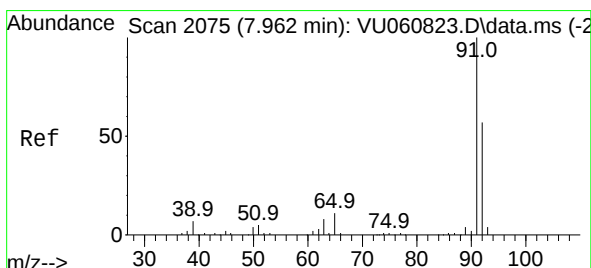
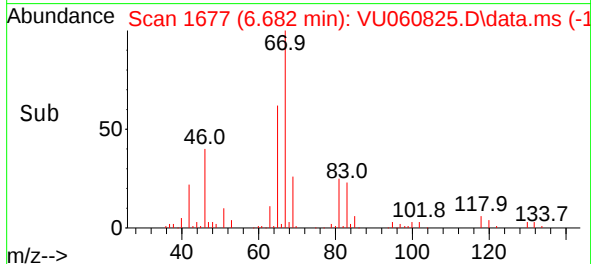
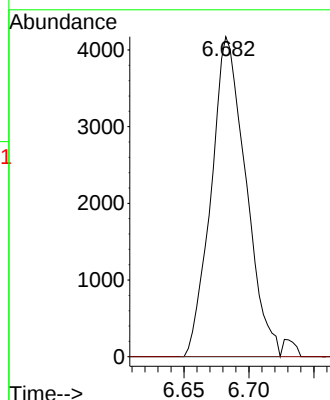
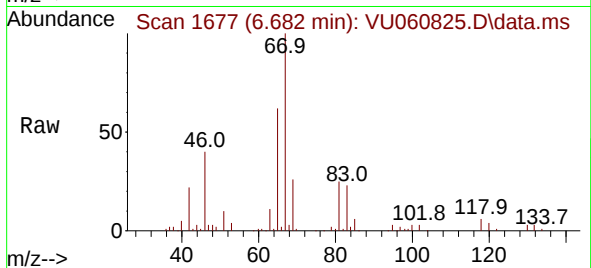




#37
1,2-Dichloropropane
Concen: 0.540 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU060825.D
Acq: 17 Sep 2024 12:04

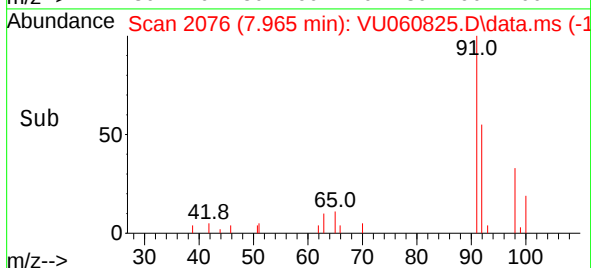
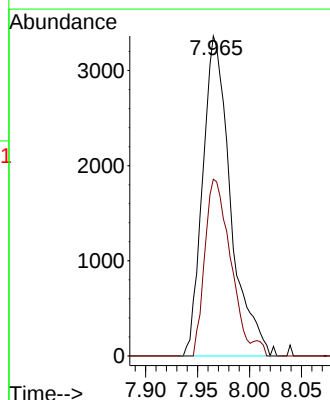
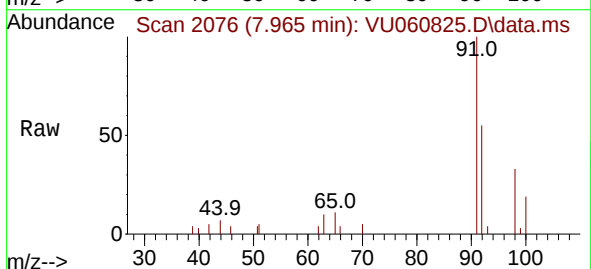
Instrument :
MSVOA_U
ClientSampleId :

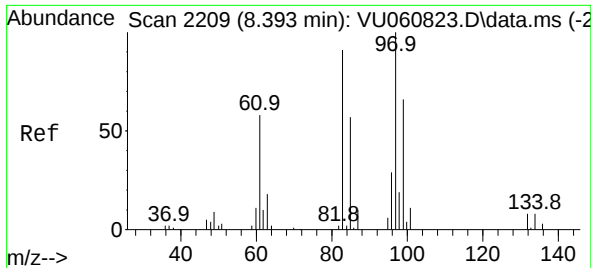
Tgt Ion: 63 Resp: 7727
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#



#42
Toluene
Concen: 0.116 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU060825.D
Acq: 17 Sep 2024 12:04

Tgt Ion: 91 Resp: 6291
Ion Ratio Lower Upper
91 100
92 55.2 40.5 75.3





#45

1,1,2-Trichloroethane

Concen: 0.127 ug/L

RT: 8.402 min Scan# 2212

Delta R.T. 0.010 min

Lab File: VU060825.D

Acq: 17 Sep 2024 12:04

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 1309

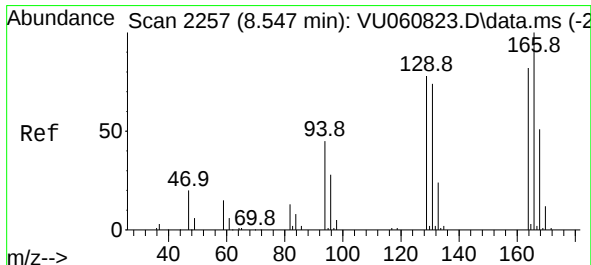
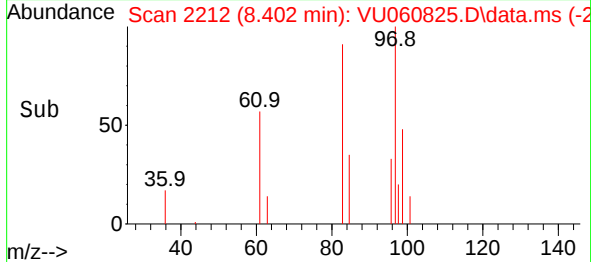
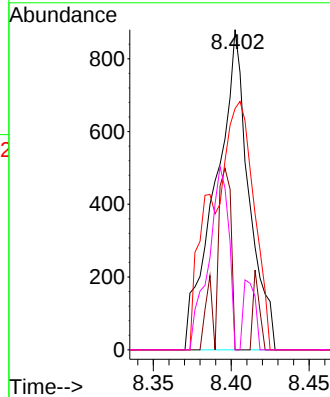
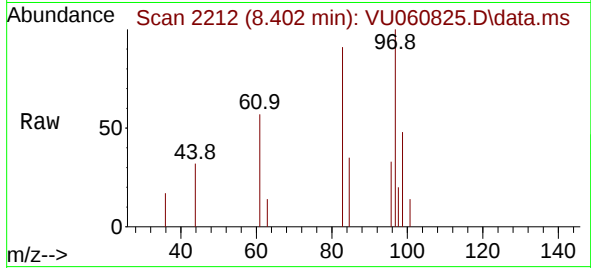
Ion Ratio Lower Upper

97 100

99 0.0 42.3 78.5#

83 75.3 61.7 114.5

85 0.0 39.5 73.3#



#47

Tetrachloroethene

Concen: 16.489 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU060825.D

Acq: 17 Sep 2024 12:04

Tgt Ion:164 Resp: 178509

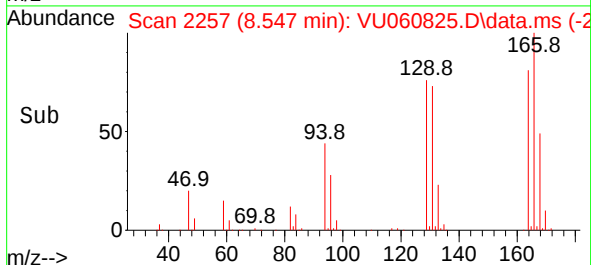
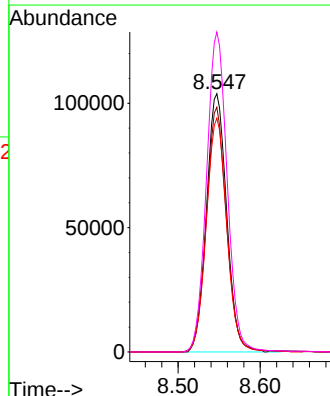
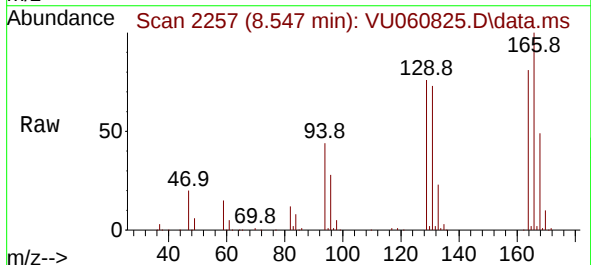
Ion Ratio Lower Upper

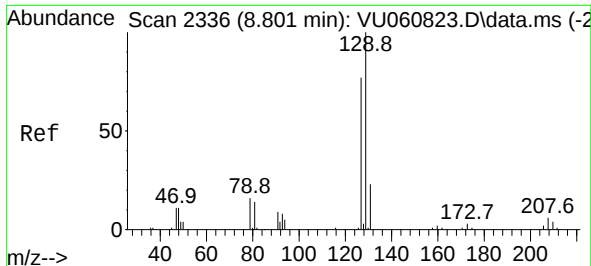
164 100

129 94.7 67.3 124.9

131 90.5 65.4 121.4

166 123.9 89.5 166.1





#49

Dibromochloromethane

Concen: 14.158 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU060825.D

Acq: 17 Sep 2024 12:04

Instrument :

MSVOA_U

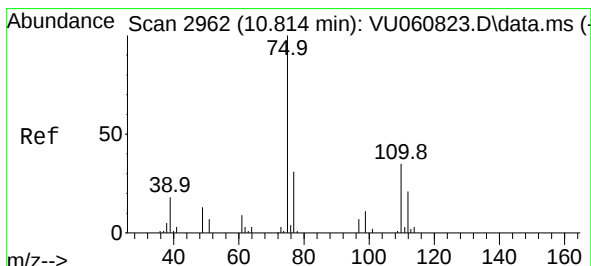
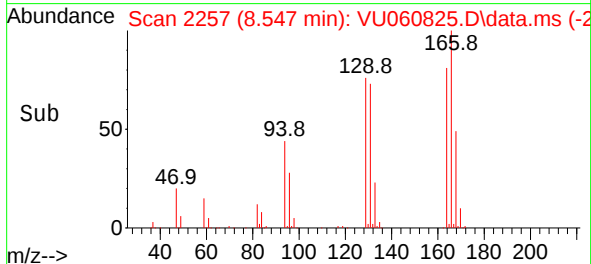
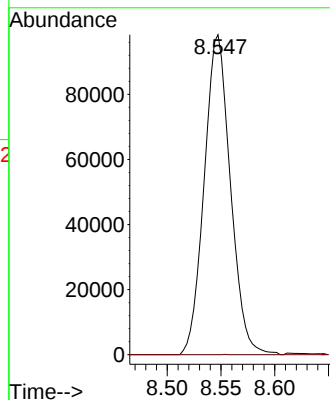
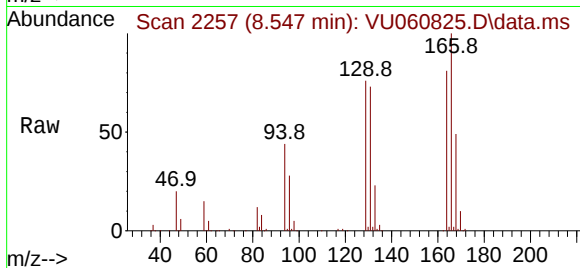
ClientSampleId :

Tgt Ion:129 Resp: 166616

Ion Ratio Lower Upper

129 100

127 0.0 56.1 104.1#



#61

1,2,3-Trichloropropane

Concen: 1.202 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.994 min

Lab File: VU060825.D

Acq: 17 Sep 2024 12:04

Tgt Ion: 75 Resp: 8615

Ion Ratio Lower Upper

75 100

110 0.9 28.6 43.0#

77 31.0 26.3 39.5

