

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112024\
 Data File : VU061880.D
 Acq On : 20 Nov 2024 21:00
 Operator : MD/SY
 Sample : P4885-05DL 20X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 01:33:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR112024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 21 01:18:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	148107	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	146900	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	57512	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	43407	5.975	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	119.400%
7) Chloroethane-d5	1.872	69	29199	4.543	ug/L	-0.04
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.800%
11) 1,1-Dichloroethene-d2	2.547	65	18020	6.209	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	124.200%
20) 2-Butanone-d5	4.618	46	114683	50.270	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.540%
24) Chloroform-d	5.049	84	89906	5.073	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
26) 1,2-Dichloroethane-d4	5.689	65	49969	5.478	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.600%
32) Benzene-d6	5.714	84	171411	5.989	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	119.800%
36) 1,2-Dichloropropane-d6	6.679	67	58302	5.995	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	119.800%
41) Toluene-d8	7.888	98	138363	5.796	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.000%
43) trans-1,3-Dichloroprop...	8.174	79	20162	5.600	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	112.000%
46) 2-Hexanone-d5	8.627	63	105235	64.038	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.080%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	51056	5.254	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	46574	5.477	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.600%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	3868	0.362	ug/L	92
16) Methylene chloride	3.030	84	28749	2.411	ug/L	99
19) 1,1-Dichloroethane	3.853	63	4888	0.239	ug/L	98
27) 1,2-Dichloroethane	5.795	62	3159	0.230	ug/L #	75
29) 1,1,1-Trichloroethane	5.300	97	42966	2.538	ug/L	99
31) Carbon tetrachloride	5.303	117	5317	0.370	ug/L	99
34) Trichloroethene	6.531	95	7859	0.664	ug/L	91
35) Methylcyclohexane	6.679	83	13252	0.732	ug/L #	20
42) Toluene	7.962	91	33593	0.722	ug/L	98
47) Tetrachloroethene	8.544	164	57880	6.721	ug/L	99
49) Dibromochloromethane	8.544	129	58874	6.564	ug/L #	13
51) Chlorobenzene	9.441	112	15738	0.494	ug/L	97
52) Ethylbenzene	9.566	91	15157	0.272	ug/L	98
53) m,p-Xylene	9.685	106	10719	0.545	ug/L	94
54) o-Xylene	10.097	106	2388	0.120	ug/L	89
57) 1,1,2,2-Tetrachloroethane	10.772	83	1643	0.151	ug/L #	78
67) 1,2-Dichlorobenzene	12.206	146	11531	0.666	ug/L	94

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 21 01:18:14 2024
Response via : Initial Calibration

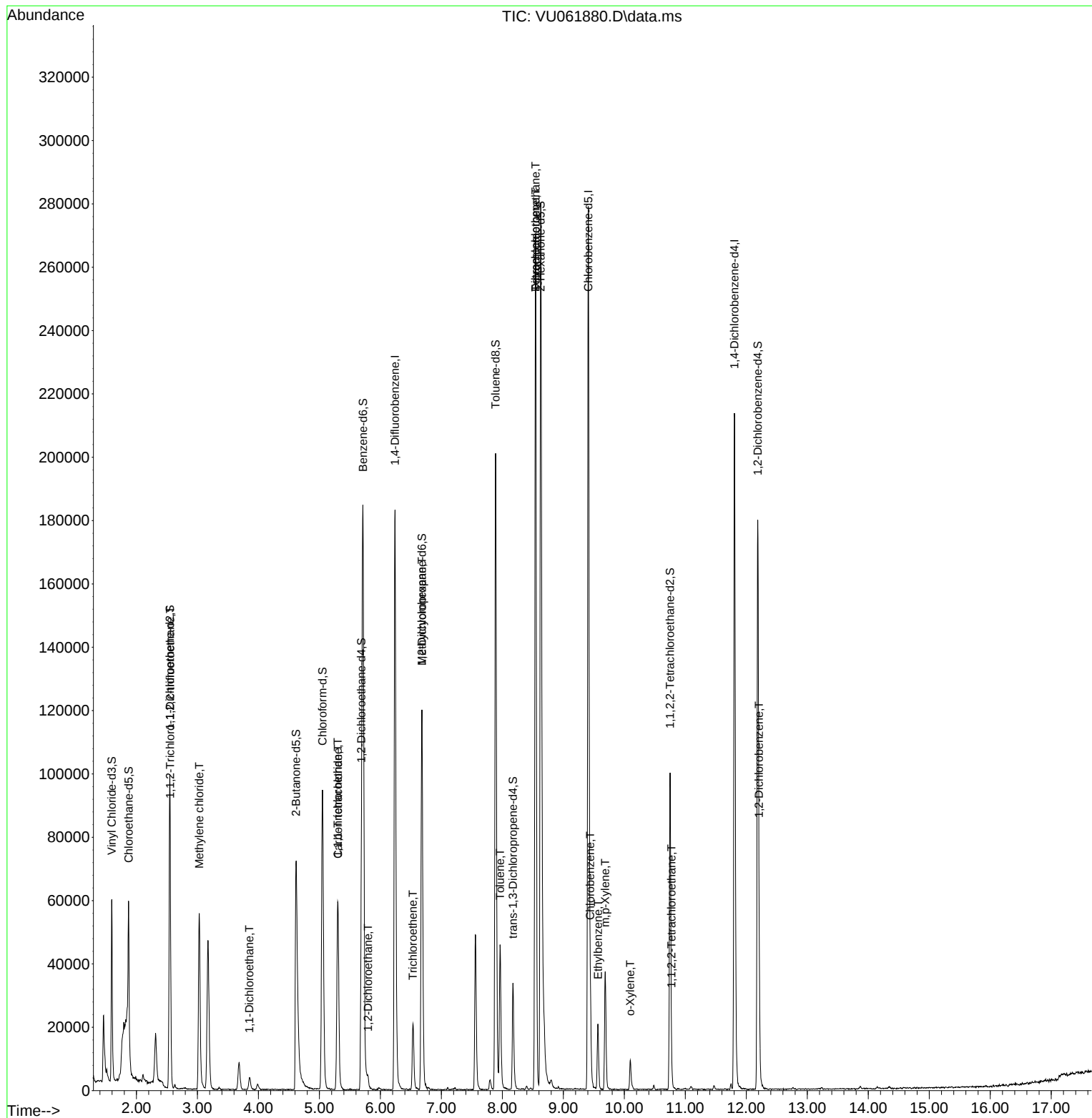
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

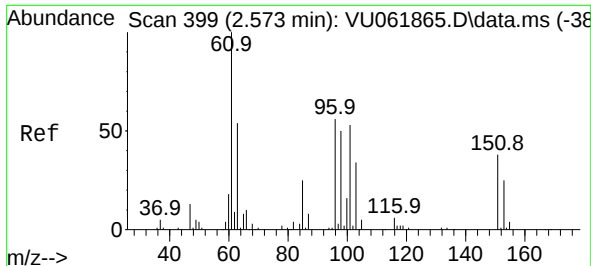
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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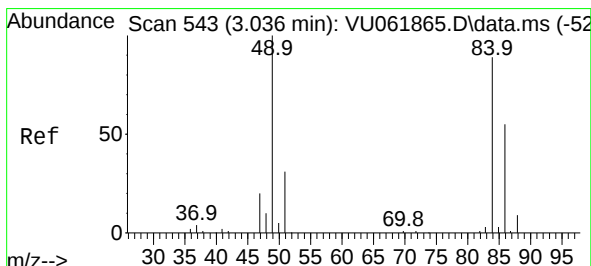
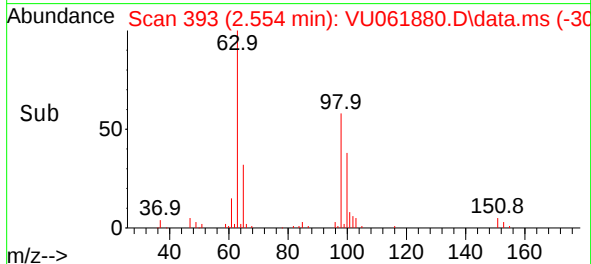
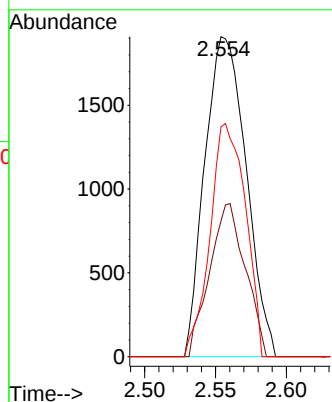
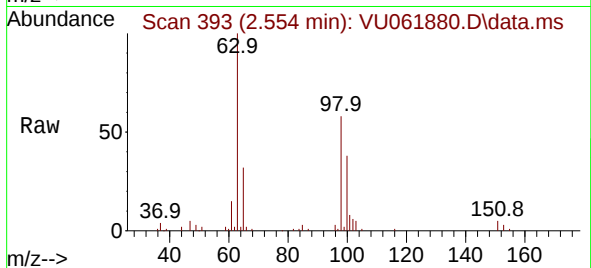




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.362 ug/L
RT: 2.554 min Scan# 399
Delta R.T. -0.019 min
Lab File: VU061880.D
Acq: 20 Nov 2024 21:00

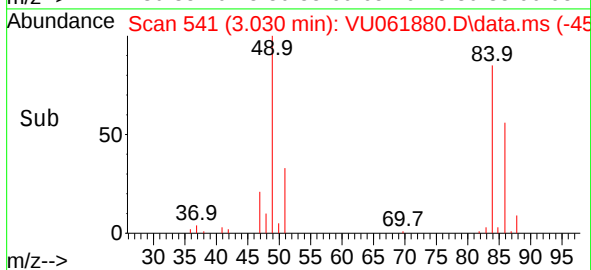
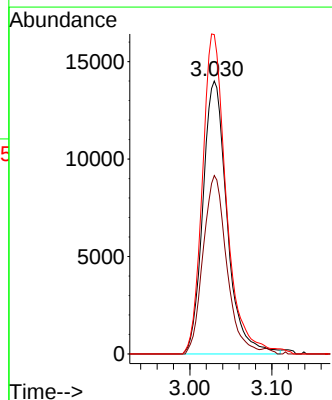
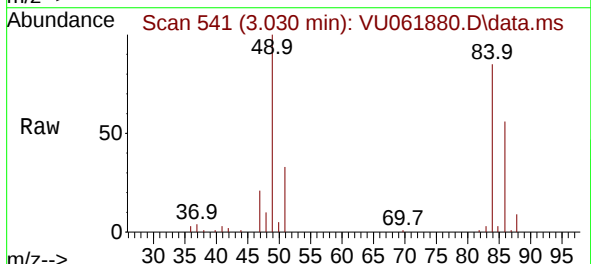
Instrument :
MSVOA_U
ClientSampleId :

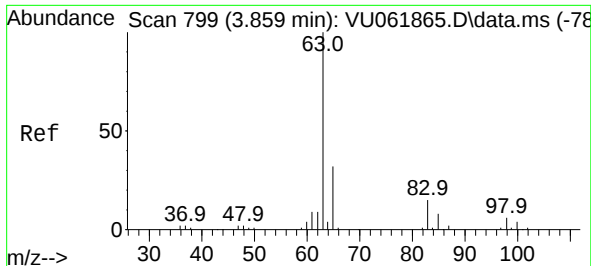
Tgt Ion:101 Resp: 3868
Ion Ratio Lower Upper
101 100
85 41.5 38.0 57.0
151 62.6 55.3 82.9



#16
Methylene chloride
Concen: 2.411 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.006 min
Lab File: VU061880.D
Acq: 20 Nov 2024 21:00

Tgt Ion: 84 Resp: 28749
Ion Ratio Lower Upper
84 100
86 65.3 43.5 80.7
49 117.0 81.9 152.1





#19

1,1-Dichloroethane

Concen: 0.239 ug/L

RT: 3.853 min Scan# 7

Delta R.T. -0.006 min MSVOA_U

Lab File: VU061880.D

Acq: 20 Nov 2024 21:00

Instrument :

MSVOA_U

ClientSampleId :

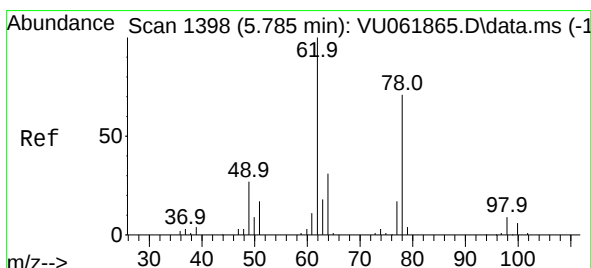
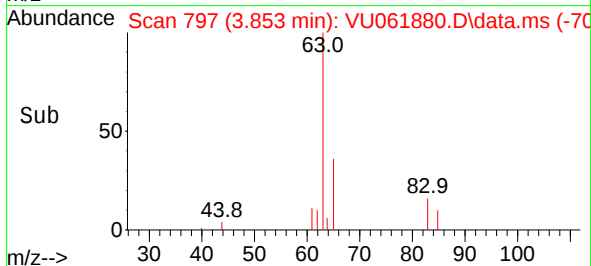
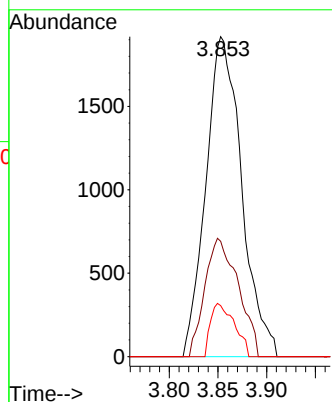
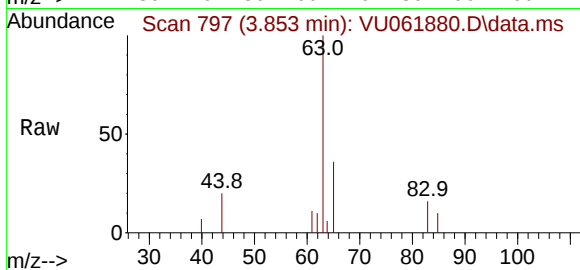
Tgt Ion: 63 Resp: 4888

Ion Ratio Lower Upper

63 100

65 33.8 22.7 42.3

83 15.0 9.9 18.3



#27

1,2-Dichloroethane

Concen: 0.230 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.010 min

Lab File: VU061880.D

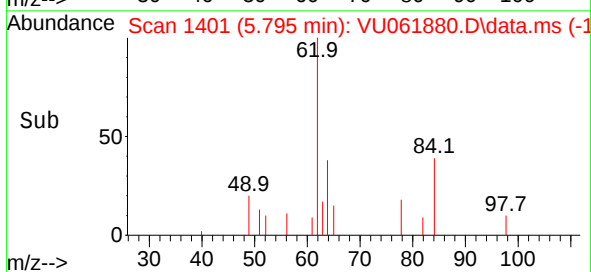
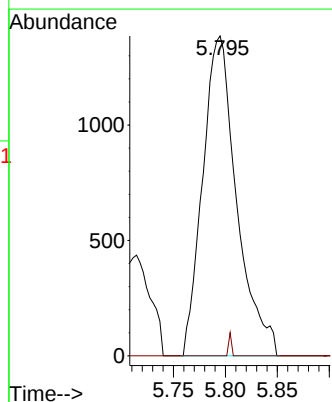
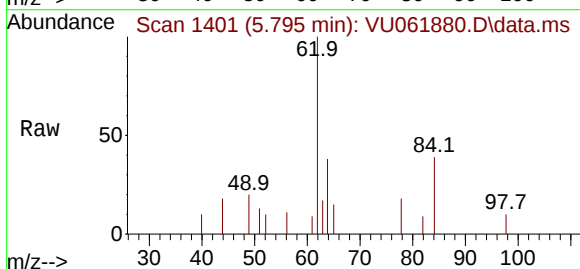
Acq: 20 Nov 2024 21:00

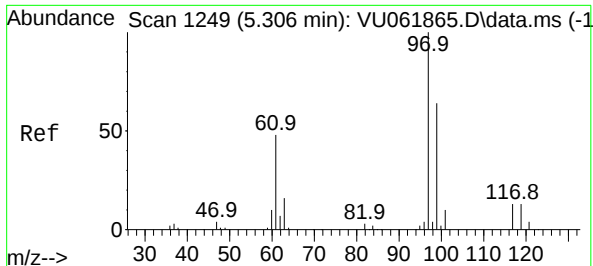
Tgt Ion: 62 Resp: 3159

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#

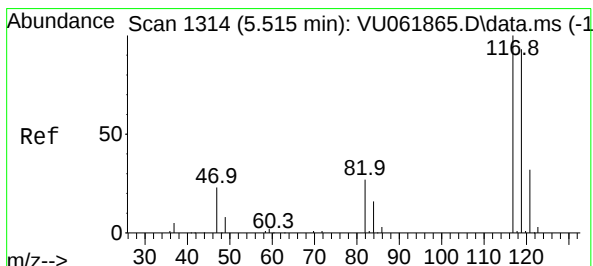
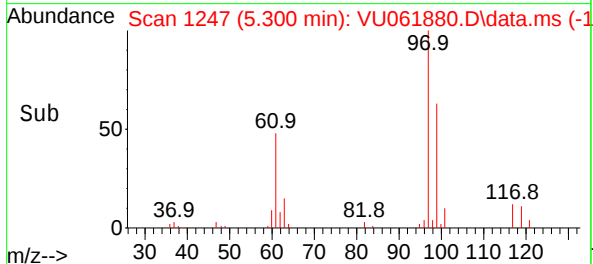
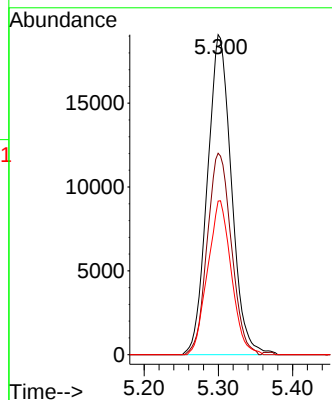
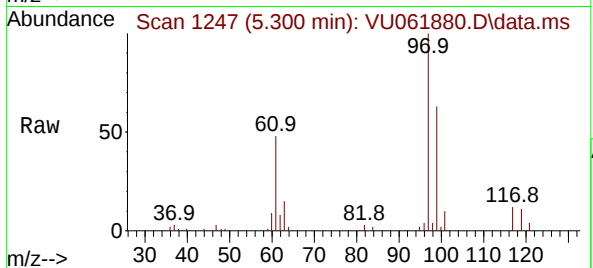




#29
1,1,1-Trichloroethane
Concen: 2.538 ug/L
RT: 5.300 min Scan# 1247
Delta R.T. -0.006 min
Lab File: VU061880.D
Acq: 20 Nov 2024 21:00

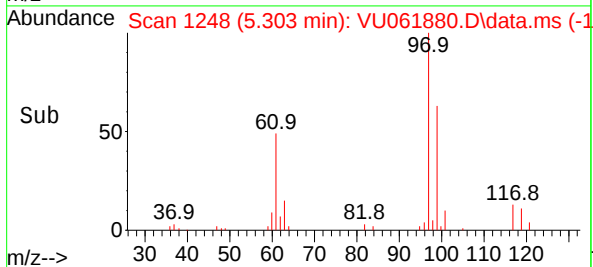
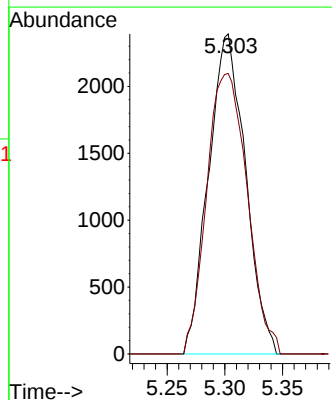
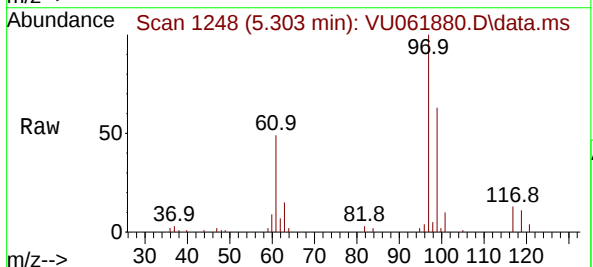
Instrument :
MSVOA_U
ClientSampleId :

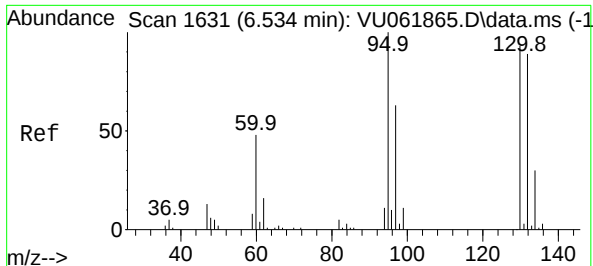
Tgt Ion: 97 Resp: 42966
Ion Ratio Lower Upper
97 100
99 63.1 51.4 77.2
61 47.3 37.8 56.6



#31
Carbon tetrachloride
Concen: 0.370 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. -0.212 min
Lab File: VU061880.D
Acq: 20 Nov 2024 21:00

Tgt Ion: 117 Resp: 5317
Ion Ratio Lower Upper
117 100
119 96.1 77.5 116.3





#34

Trichloroethene

Concen: 0.664 ug/L

RT: 6.531 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU061880.D

Acq: 20 Nov 2024 21:00

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 7859

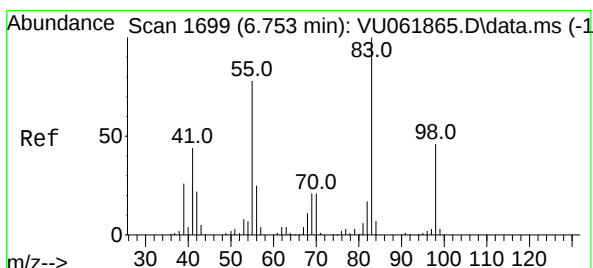
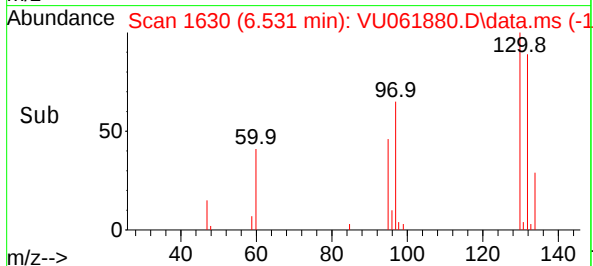
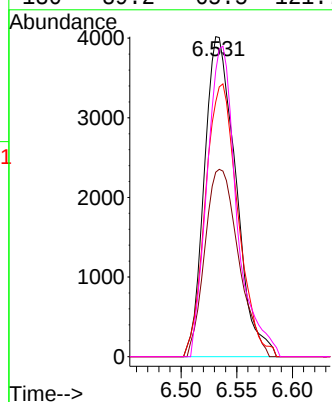
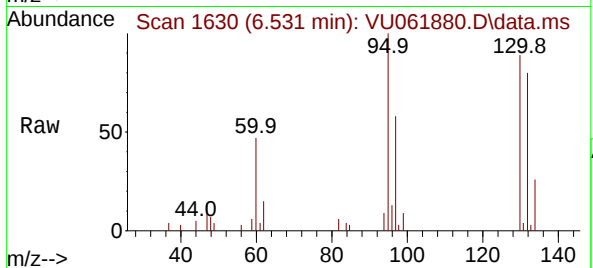
Ion Ratio Lower Upper

95 100

97 57.6 45.9 85.3

132 79.6 63.8 118.4

130 89.2 65.5 121.7



#35

Methylcyclohexane

Concen: 0.732 ug/L

RT: 6.679 min Scan# 1676

Delta R.T. -0.074 min

Lab File: VU061880.D

Acq: 20 Nov 2024 21:00

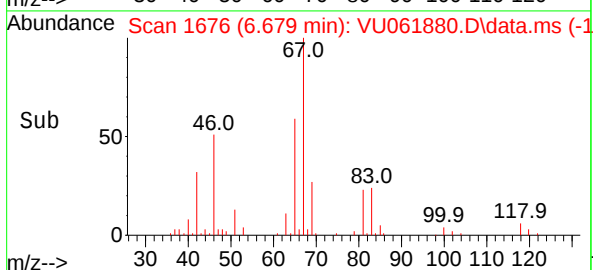
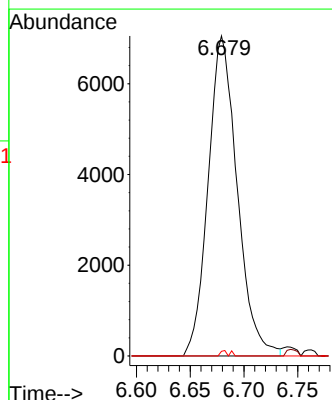
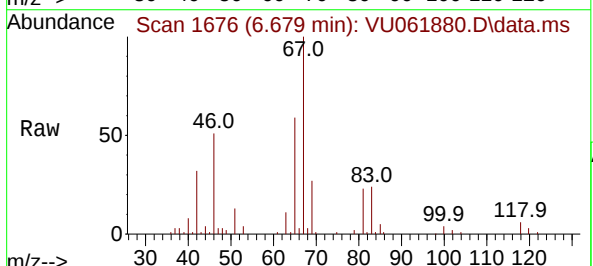
Tgt Ion: 83 Resp: 13252

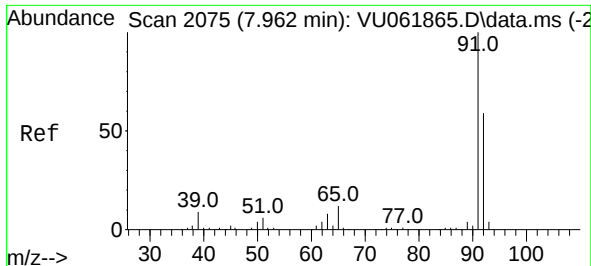
Ion Ratio Lower Upper

83 100

55 0.7 60.7 91.1#

98 0.5 34.8 52.2#





#42

Toluene

Concen: 0.722 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU061880.D

Acq: 20 Nov 2024 21:00

Instrument :

MSVOA_U

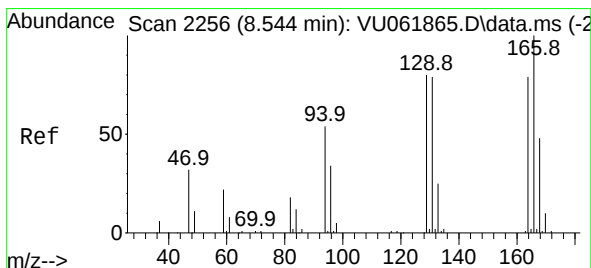
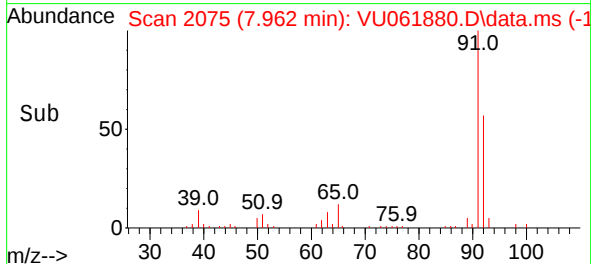
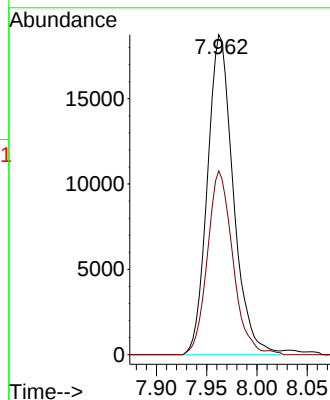
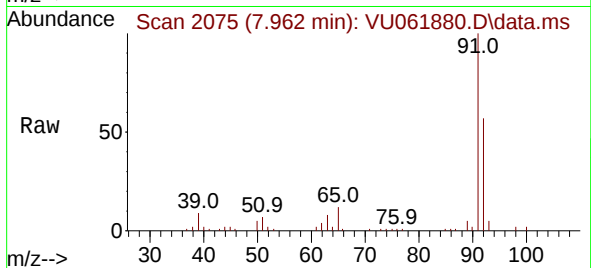
ClientSampleId :

Tgt Ion: 91 Resp: 33593

Ion Ratio Lower Upper

91 100

92 57.5 39.0 72.4



#47

Tetrachloroethene

Concen: 6.721 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU061880.D

Acq: 20 Nov 2024 21:00

Tgt Ion: 164 Resp: 57880

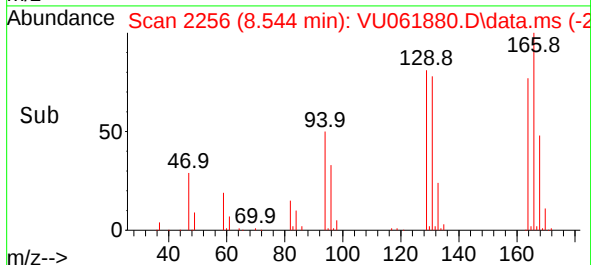
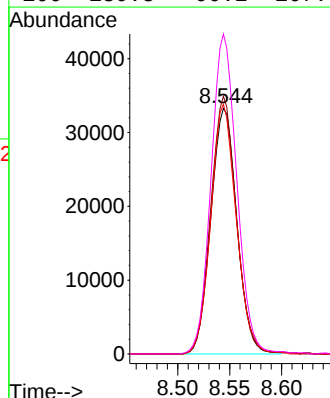
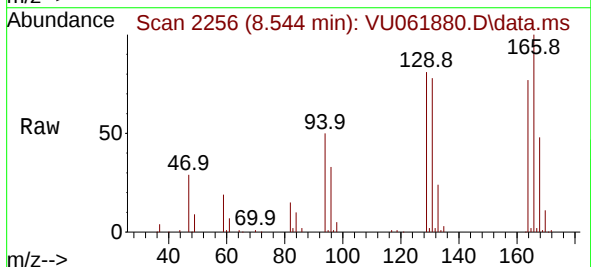
Ion Ratio Lower Upper

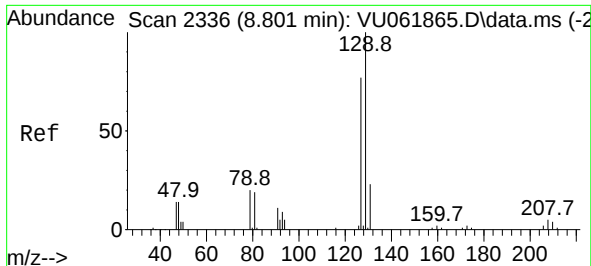
164 100

129 105.0 73.2 136.0

131 101.7 72.3 134.3

166 130.3 90.2 167.4

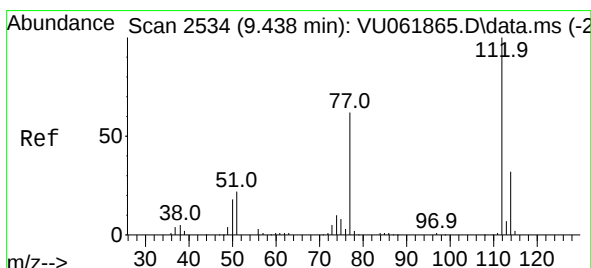
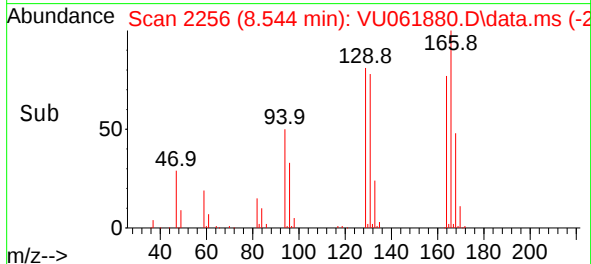
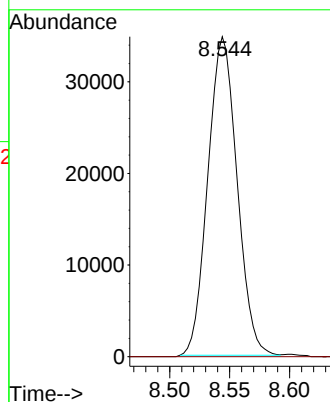
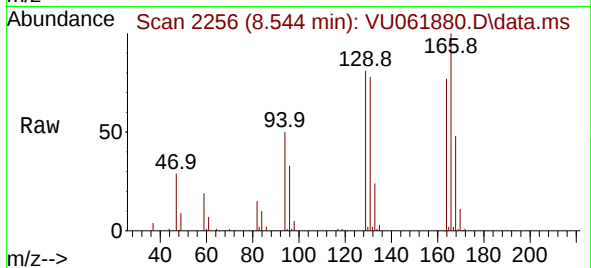




#49
Dibromochloromethane
Concen: 6.564 ug/L
RT: 8.544 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU061880.D
Acq: 20 Nov 2024 21:00

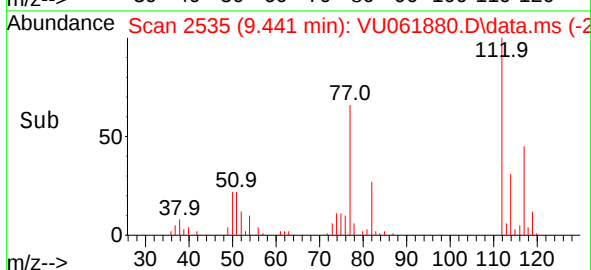
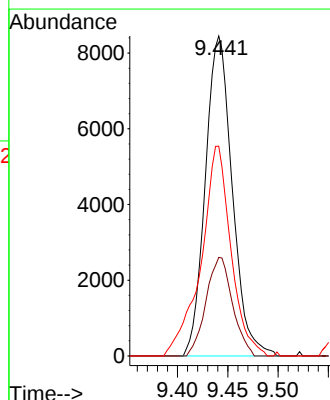
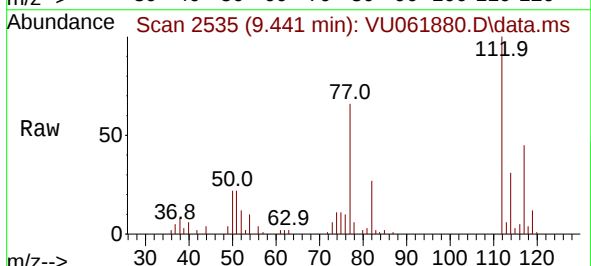
Instrument :
MSVOA_U
ClientSampleId :

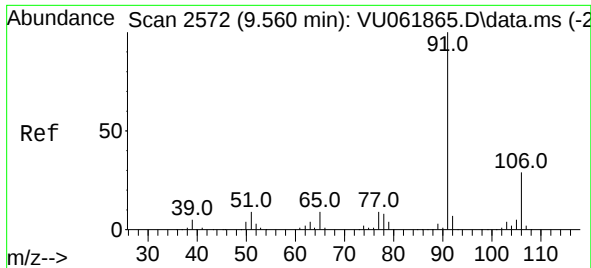
Tgt Ion:129 Resp: 58874
Ion Ratio Lower Upper
129 100
127 0.0 51.1 94.9#



#51
Chlorobenzene
Concen: 0.494 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU061880.D
Acq: 20 Nov 2024 21:00

Tgt Ion:112 Resp: 15738
Ion Ratio Lower Upper
112 100
114 30.8 23.0 42.6
77 65.5 50.5 75.7

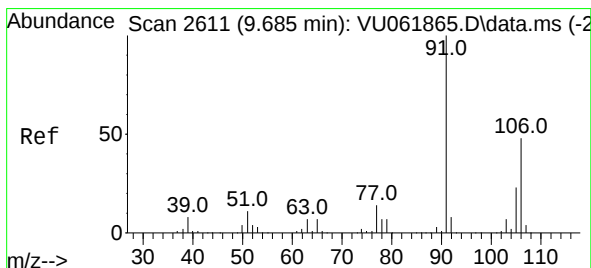
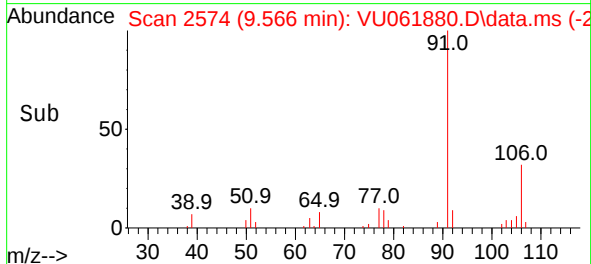
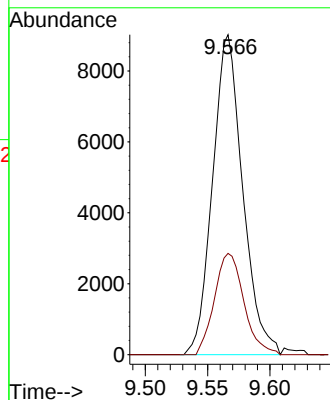
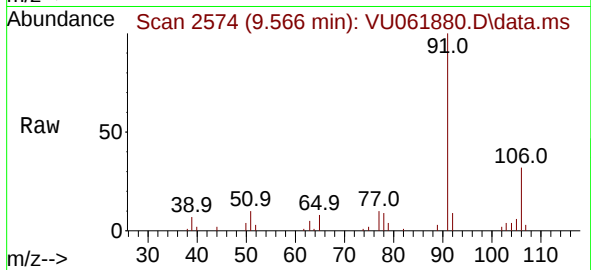




#52
Ethylbenzene
Concen: 0.272 ug/L
RT: 9.566 min Scan# 2572
Delta R.T. 0.007 min
Lab File: VU061880.D
Acq: 20 Nov 2024 21:00

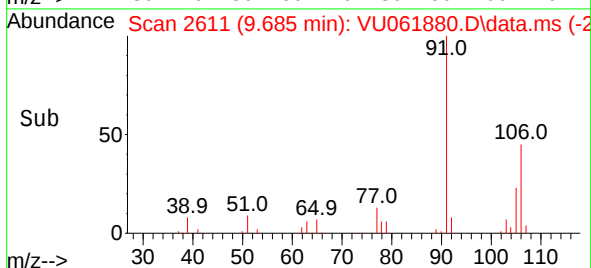
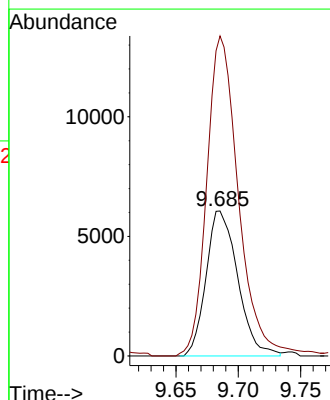
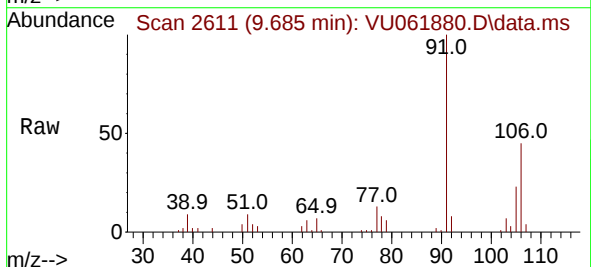
Instrument :
MSVOA_U
ClientSampleId :

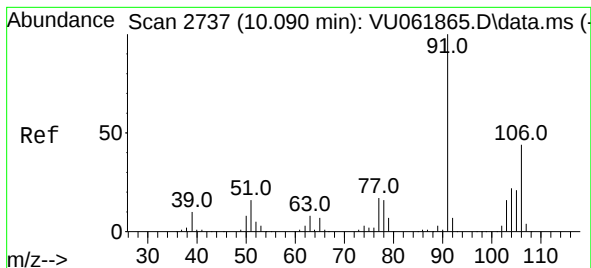
Tgt Ion: 91 Resp: 15157
Ion Ratio Lower Upper
91 100
106 31.6 21.6 40.0



#53
m,p-Xylene
Concen: 0.545 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU061880.D
Acq: 20 Nov 2024 21:00

Tgt Ion:106 Resp: 10719
Ion Ratio Lower Upper
106 100
91 220.8 147.6 274.0





#54

o-Xylene

Concen: 0.120 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU061880.D

Acq: 20 Nov 2024 21:00

Instrument :

MSVOA_U

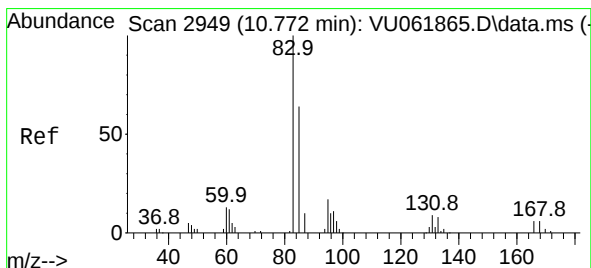
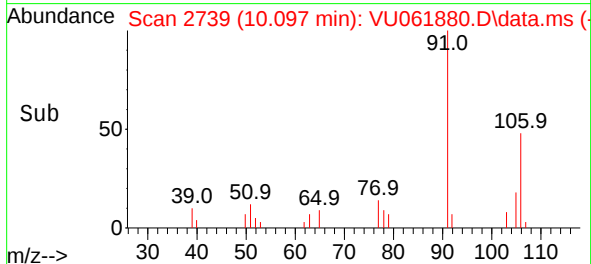
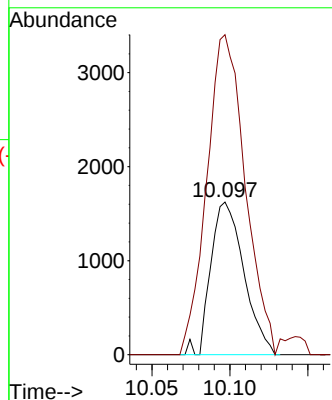
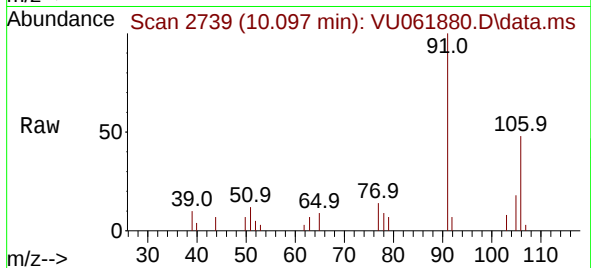
ClientSampleId :

Tgt Ion:106 Resp: 2388

Ion Ratio Lower Upper

106 100

91 209.7 159.8 296.8



#57

1,1,2,2-Tetrachloroethane

Concen: 0.151 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU061880.D

Acq: 20 Nov 2024 21:00

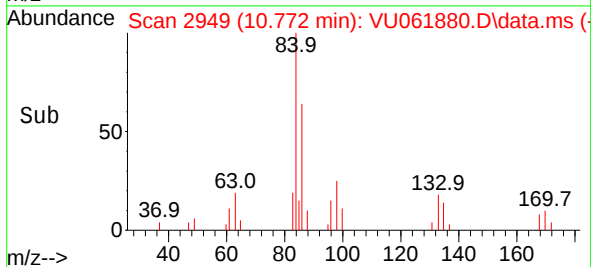
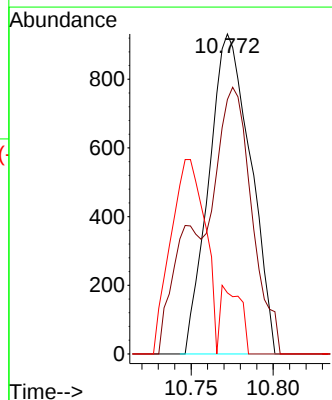
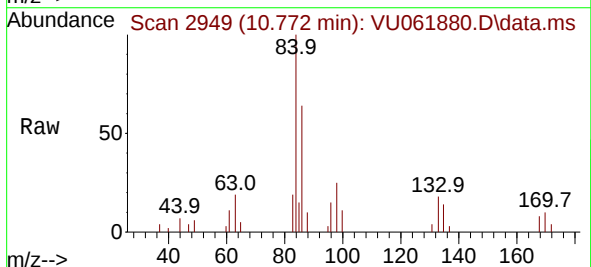
Tgt Ion: 83 Resp: 1643

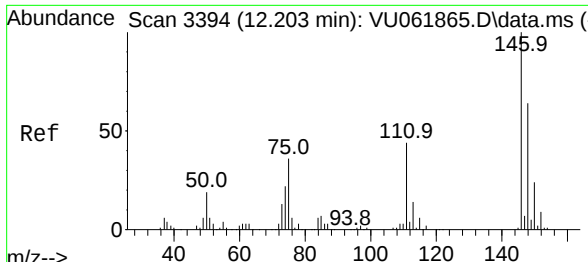
Ion Ratio Lower Upper

83 100

85 79.5 44.4 82.4

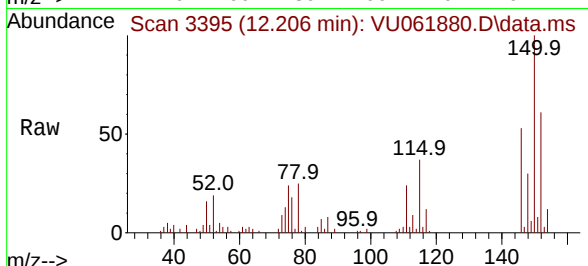
131 19.1 7.3 10.9#





#67
1,2-Dichlorobenzene
Concen: 0.666 ug/L
RT: 12.206 min Scan# 34
Delta R.T. 0.003 min
Lab File: VU061880.D
Acq: 20 Nov 2024 21:00

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	146	Resp:	11531
Ion	Ratio	Lower	Upper
146	100		
111	44.4	36.0	54.0
148	57.5	52.3	78.5

