

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
 Data File : VU061835.D
 Acq On : 19 Nov 2024 01:23
 Operator : MD/SY
 Sample : P4885-06
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 03:41:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 19 03:37:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	160475	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	225439	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	68302	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	35073	3.383	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.600%
7) Chloroethane-d5	1.907	69	33924	3.832	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.600%
11) 1,1-Dichloroethene-d2	2.560	65	16793	3.610	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.200%
20) 2-Butanone-d5	4.611	46	103324	46.950	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.900%
24) Chloroform-d	5.052	84	92795	4.503	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
26) 1,2-Dichloroethane-d4	5.692	65	47652	4.818	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.717	84	181443	2.909	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	58.200%#
36) 1,2-Dichloropropane-d6	6.682	67	59108	3.213	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	64.200%
41) Toluene-d8	7.891	98	209746	3.608	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.200%
43) trans-1,3-Dichloroprop...	8.174	79	22874	3.376	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.600%
46) 2-Hexanone-d5	8.624	63	110167	41.147	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.300%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	57866	3.991	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.800%
66) 1,2-Dichlorobenzene-d4	12.183	152	58221	4.786	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	2.132	101	7136	0.407	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	47213	4.550	ug/L	99
12) 1,1-Dichloroethene	2.573	96	6021	0.622	ug/L #	1
16) Methylene chloride	3.036	84	66365	5.944	ug/L	98
17) Methyl tert-butyl Ether	3.357	73	10945	0.461	ug/L	97
19) 1,1-Dichloroethane	3.859	63	21502	1.110	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	5690	0.475	ug/L	91
25) Chloroform	5.081	83	10341	0.506	ug/L	92
27) 1,2-Dichloroethane	5.795	62	9657	0.754	ug/L	97
29) 1,1,1-Trichloroethane	5.306	97	325793	12.700	ug/L	100
31) Carbon tetrachloride	5.306	117	43051	1.970	ug/L	98
34) Trichloroethene	6.534	95	65010	3.529	ug/L	97
35) Methylcyclohexane	6.679	83	13307	0.479	ug/L #	20
37) 1,2-Dichloropropane	6.679	63	6650	0.384	ug/L #	89
42) Toluene	7.962	91	309275	4.210	ug/L	100
47) Tetrachloroethene	8.544	164	862879	62.330	ug/L	97
49) Dibromochloromethane	8.544	129	853041	64.471	ug/L #	10
51) Chlorobenzene	9.438	112	173581	3.671	ug/L	98
52) Ethylbenzene	9.563	91	204443	2.613	ug/L	100

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

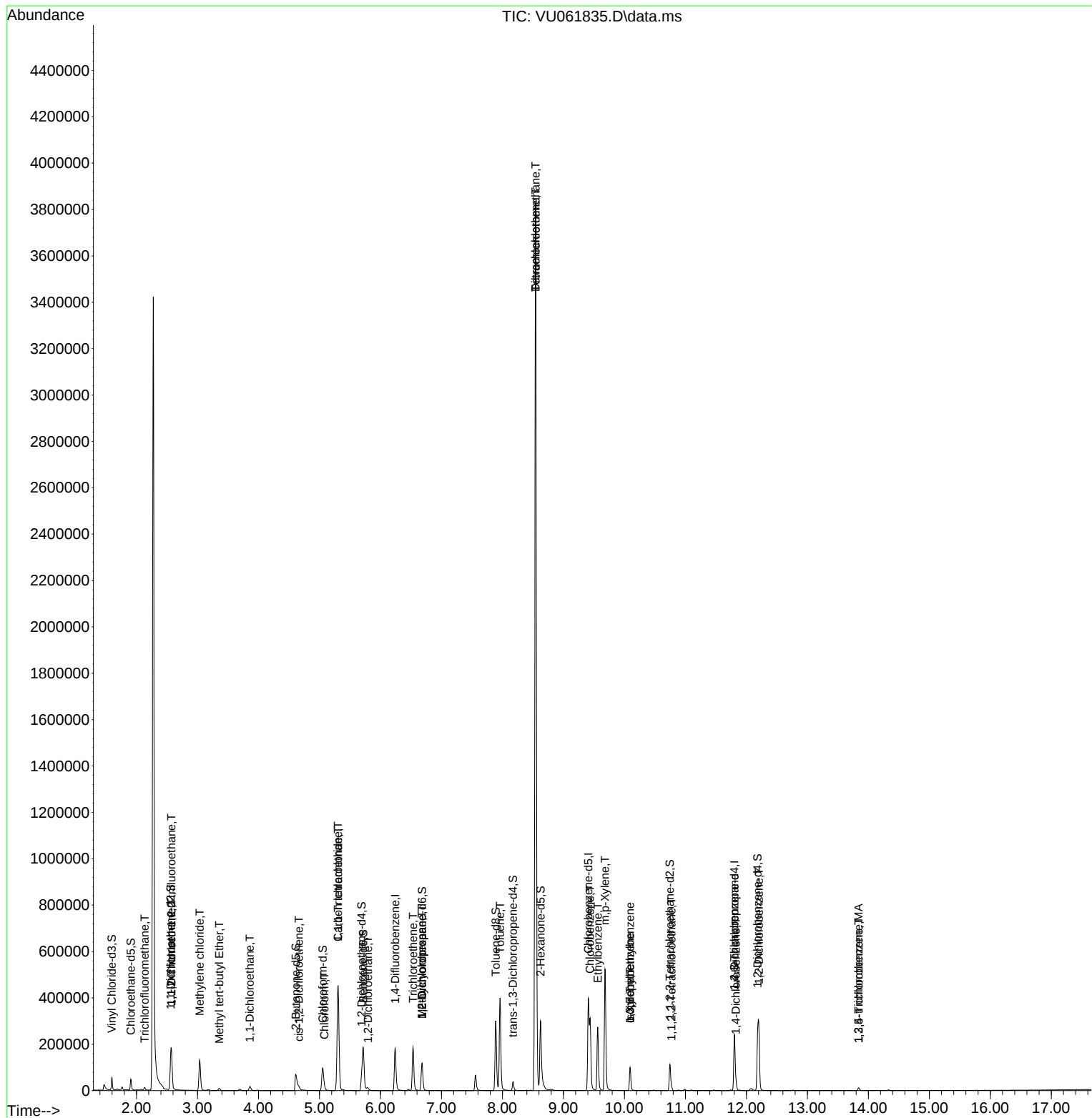
53) m,p-Xylene	9.682	106	160092	5.347	ug/L	97
54) o-Xylene	10.093	106	28015	0.963	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	7707	0.502	ug/L	92
60) Isopropylbenzene	10.093	105	11449	0.242	ug/L #	22
61) 1,2,3-Trichloropropane	11.804	75	11670	1.814	ug/L #	40
62) 1,3,5-Trimethylbenzene	10.093	105	11449	0.302	ug/L #	29
65) 1,4-Dichlorobenzene	11.830	146	11233	0.509	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	99315	4.916	ug/L	97
69) 1,3,5-Trichlorobenzene	13.843	180	5334	0.352	ug/L #	90
70) 1,2,4-trichlorobenzene	13.843	180	5334	0.454	ug/L	94

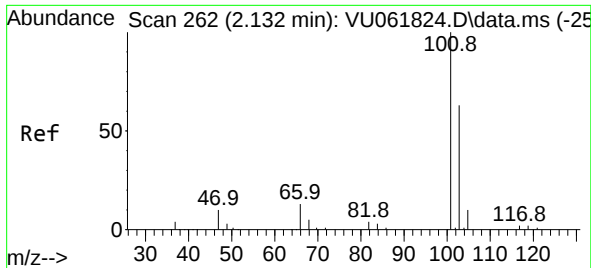
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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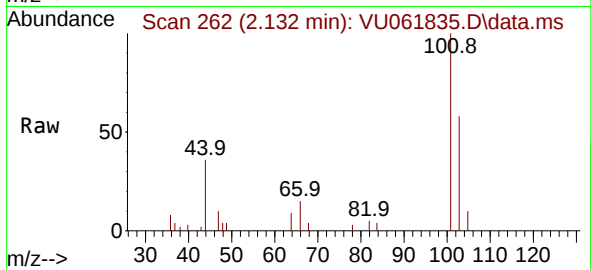
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 19 03:37:44 2024
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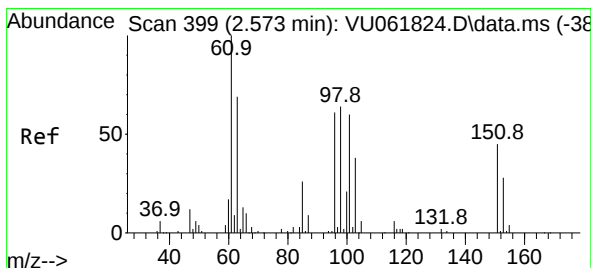
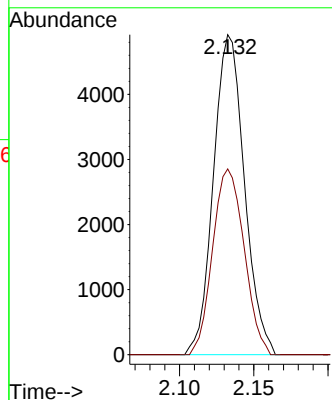
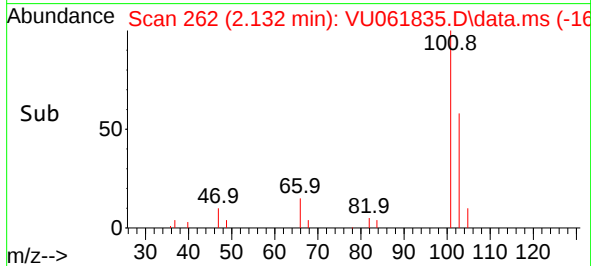


#9
 Trichlorofluoromethane
 Concen: 0.407 ug/L
 RT: 2.132 min Scan# 210
 Delta R.T. 0.000 min
 Lab File: VU061835.D
 Acq: 19 Nov 2024 01:23

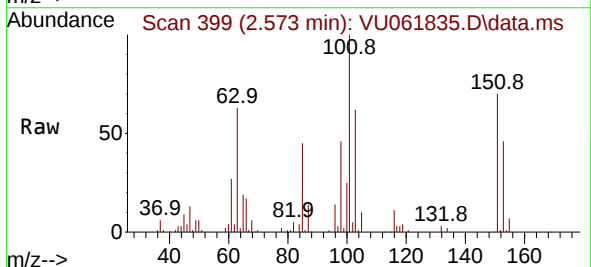
Instrument :
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 ClientSampleId :



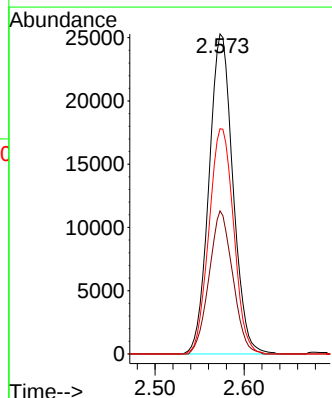
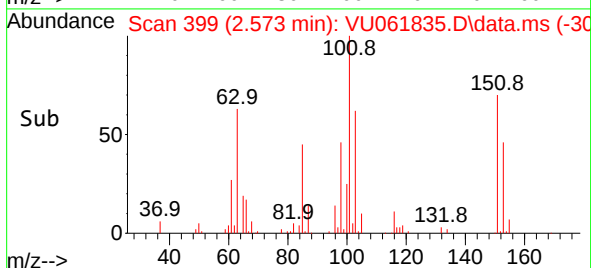
Tgt Ion:101 Resp: 7136
 Ion Ratio Lower Upper
 101 100
 103 58.9 52.2 78.2

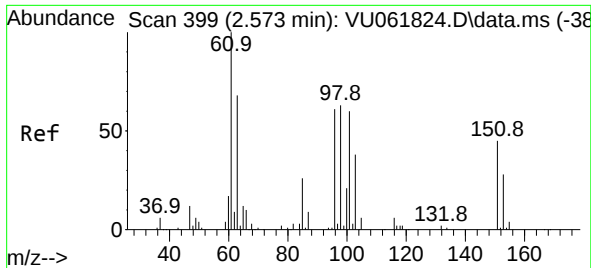


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.550 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU061835.D
 Acq: 19 Nov 2024 01:23



Tgt Ion:101 Resp: 47213
 Ion Ratio Lower Upper
 101 100
 85 44.1 35.1 52.7
 151 72.6 56.9 85.3

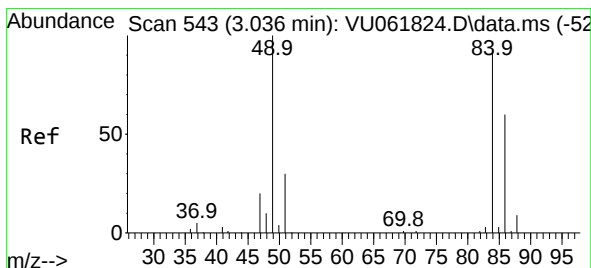
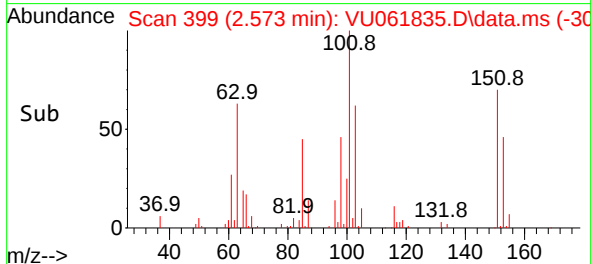
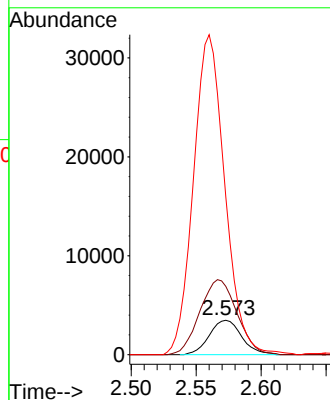
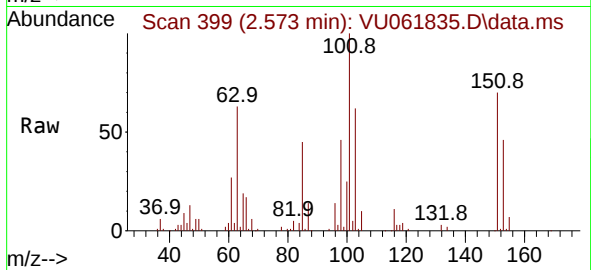




#12
1,1-Dichloroethene
Concen: 0.622 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

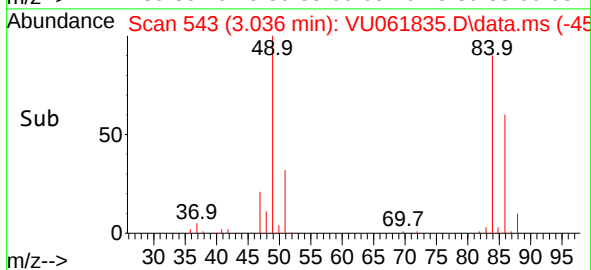
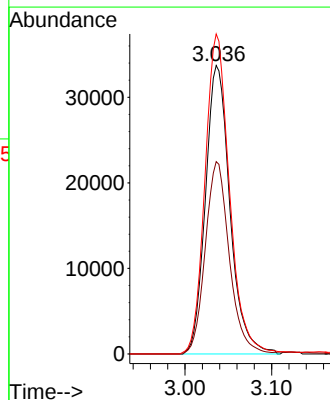
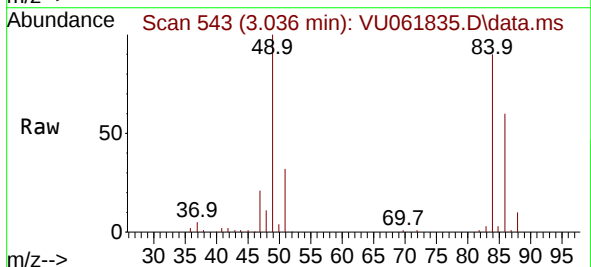
Instrument :
MSVOA_U
ClientSampleId :

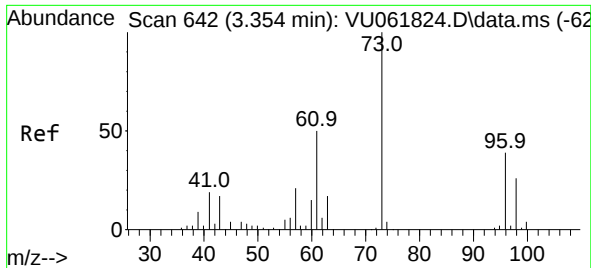
Tgt Ion: 96 Resp: 6021
Ion Ratio Lower Upper
96 100
61 198.0 116.8 217.0
63 457.8 86.1 159.9#



#16
Methylene chloride
Concen: 5.944 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

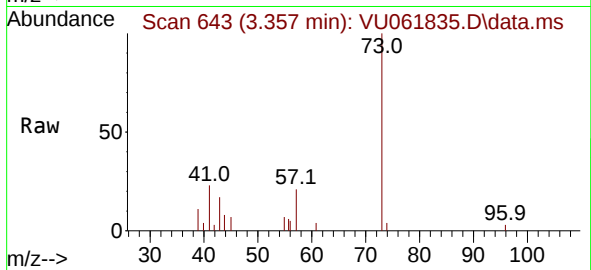
Tgt Ion: 84 Resp: 66365
Ion Ratio Lower Upper
84 100
86 66.7 45.1 83.7
49 110.9 76.3 141.7



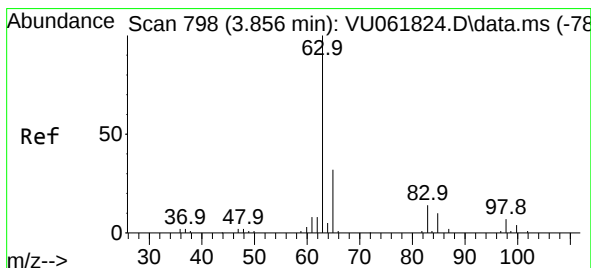
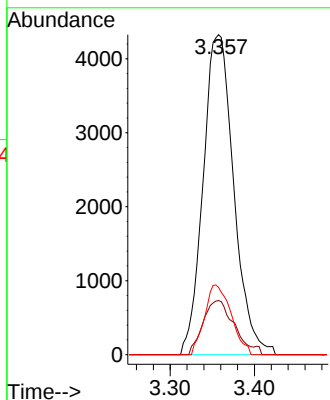
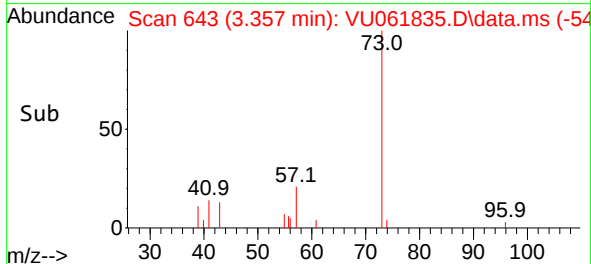


#17
Methyl tert-butyl Ether
Concen: 0.461 ug/L
RT: 3.357 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

Instrument :
MSVOA_U
ClientSampleId :

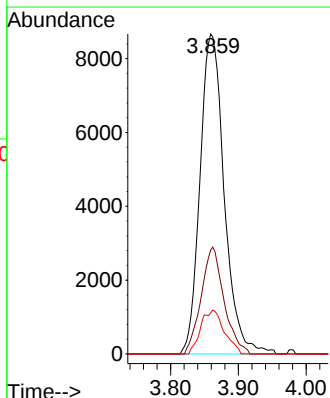
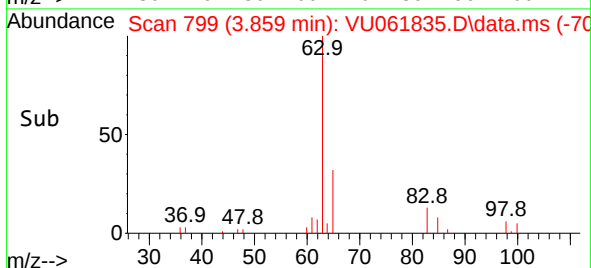
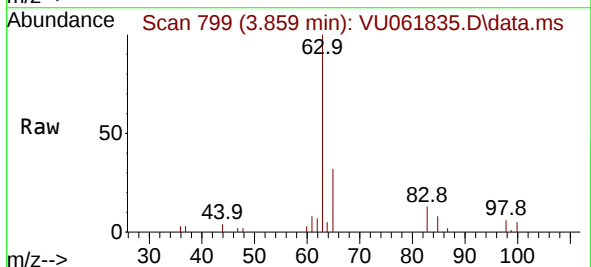


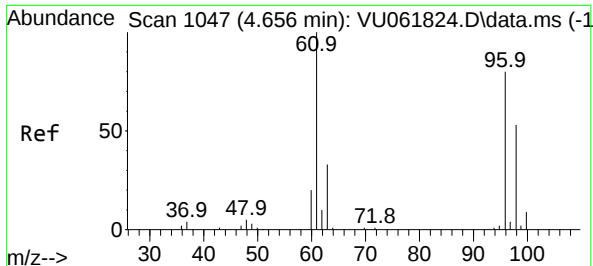
Tgt Ion: 73	Resp: 10945
Ion Ratio	Lower Upper
73	100
43	17.4 14.2 21.4
57	18.8 16.9 25.3



#19
1,1-Dichloroethane
Concen: 1.110 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.003 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

Tgt Ion: 63	Resp: 21502
Ion Ratio	Lower Upper
63	100
65	31.1 23.4 43.4
83	12.3 9.6 17.8

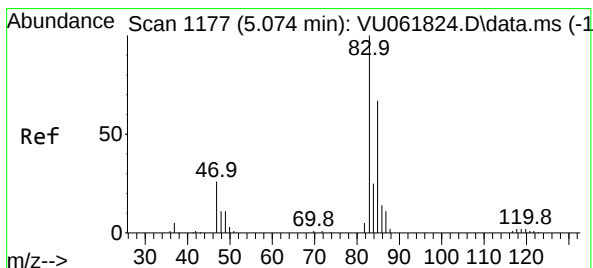
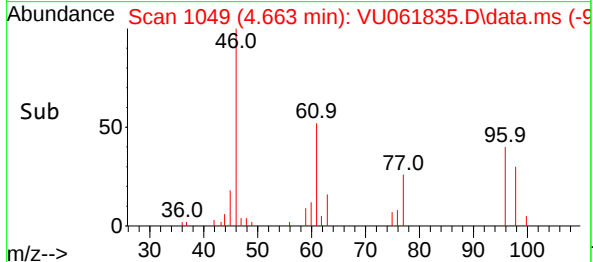
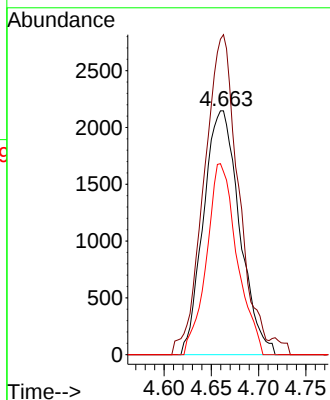
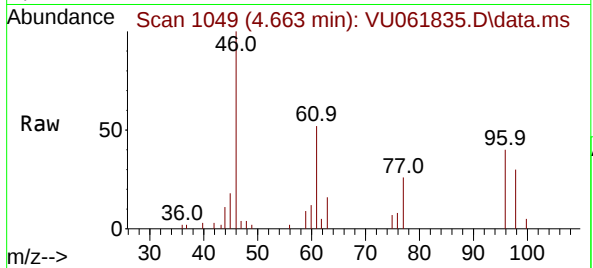




#22
 cis-1,2-Dichloroethene
 Concen: 0.475 ug/L
 RT: 4.663 min Scan# 1109
 Delta R.T. 0.006 min
 Lab File: VU061835.D
 Acq: 19 Nov 2024 01:23

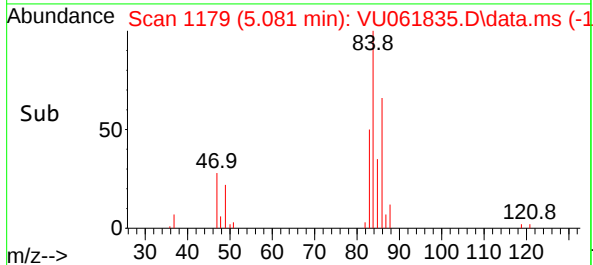
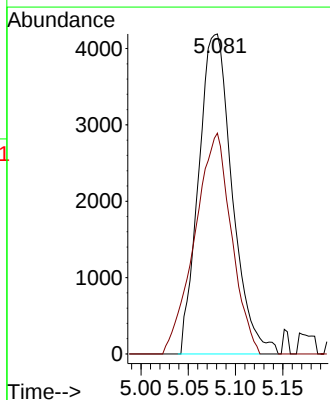
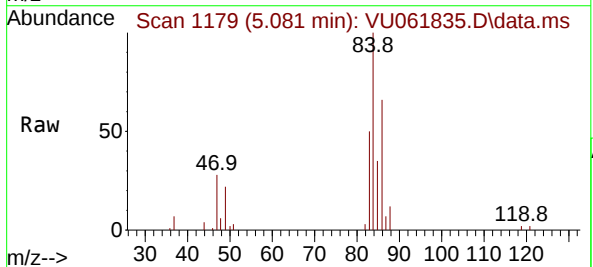
Instrument :
 MSVOA_U
 ClientSampleId :

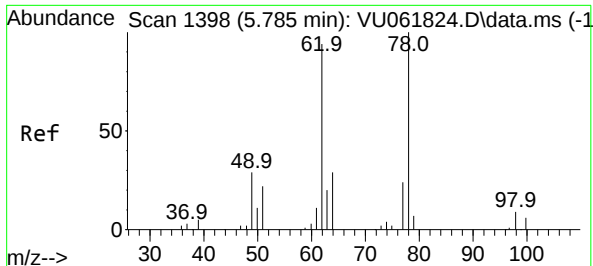
Tgt Ion: 96 Resp: 5690
 Ion Ratio Lower Upper
 96 100
 61 131.2 85.6 159.0
 98 75.0 45.6 84.8



#25
 Chloroform
 Concen: 0.506 ug/L
 RT: 5.081 min Scan# 1179
 Delta R.T. 0.006 min
 Lab File: VU061835.D
 Acq: 19 Nov 2024 01:23

Tgt Ion: 83 Resp: 10341
 Ion Ratio Lower Upper
 83 100
 85 69.0 44.1 81.9

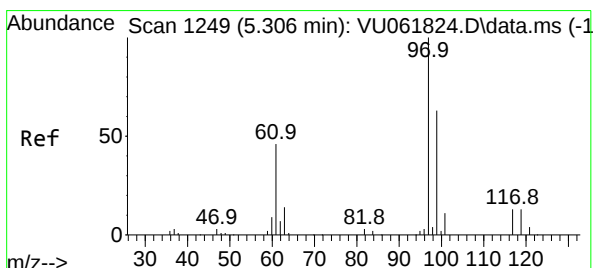
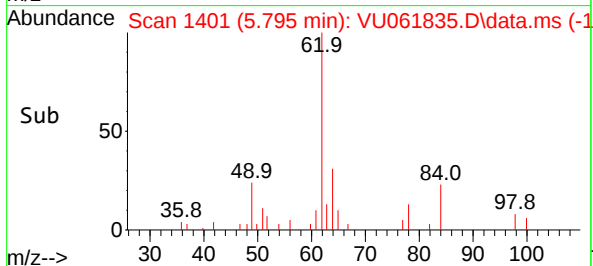
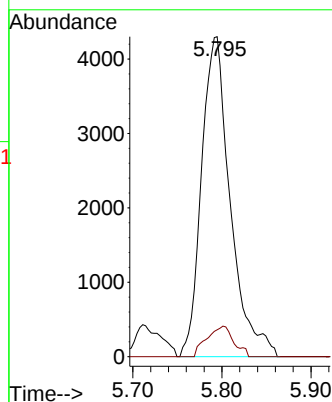
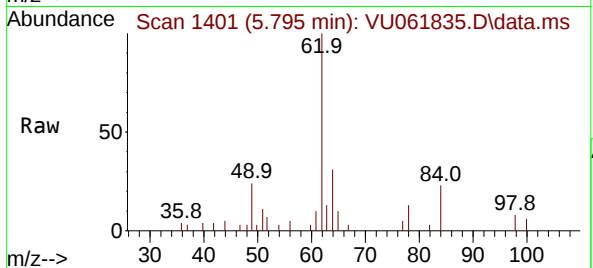




#27
1,2-Dichloroethane
Concen: 0.754 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.010 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

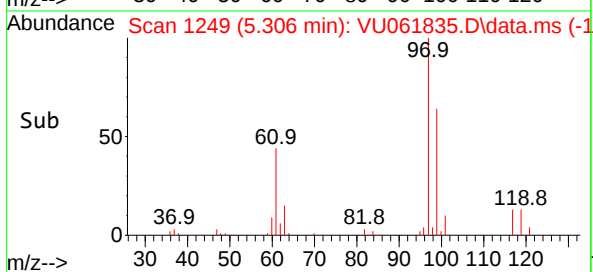
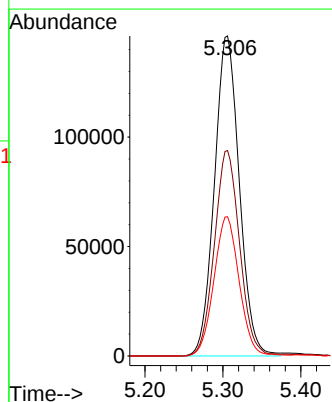
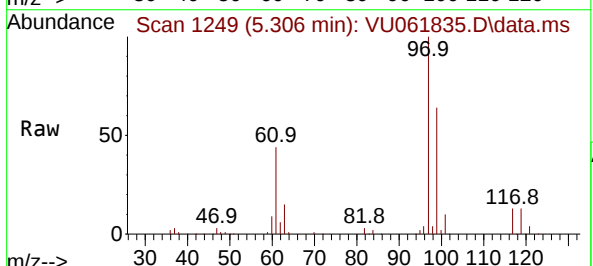
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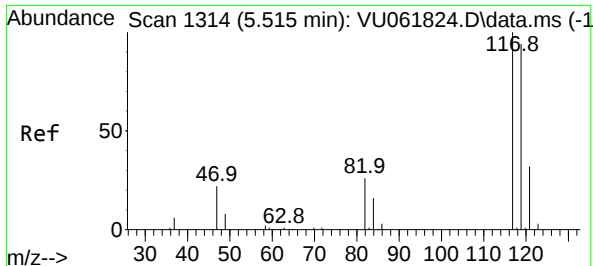
Tgt Ion: 62 Resp: 9657
Ion Ratio Lower Upper
62 100
98 8.4 7.7 11.5



#29
1,1,1-Trichloroethane
Concen: 12.700 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

Tgt Ion: 97 Resp: 325793
Ion Ratio Lower Upper
97 100
99 65.2 51.7 77.5
61 44.1 35.4 53.0

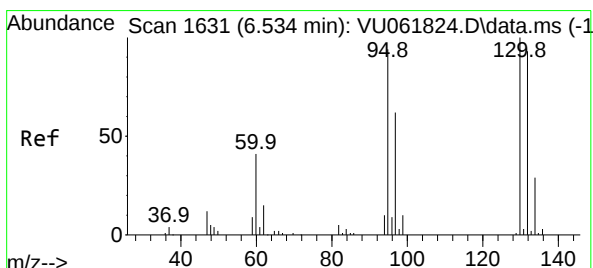
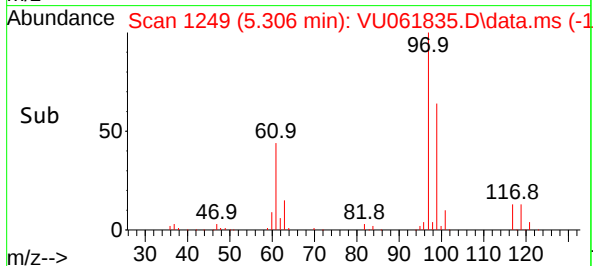
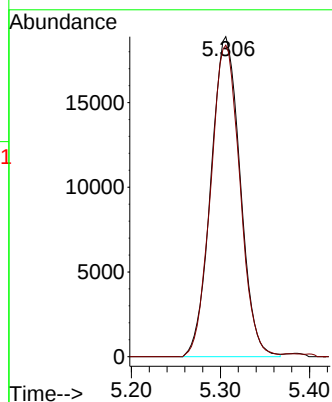
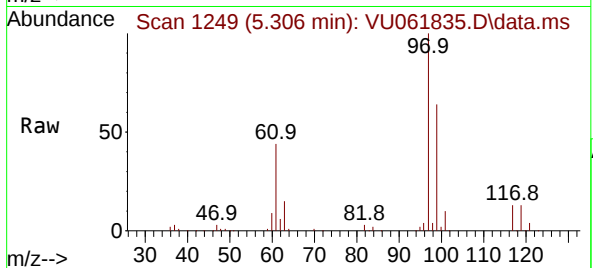




#31
Carbon tetrachloride
Concen: 1.970 ug/L
RT: 5.306 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

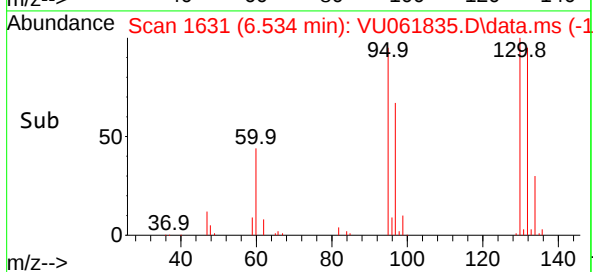
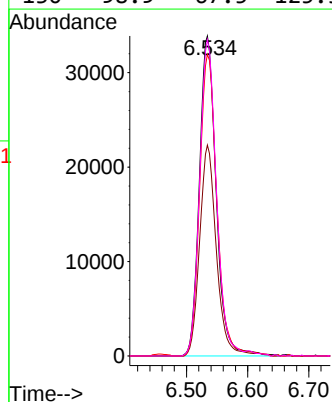
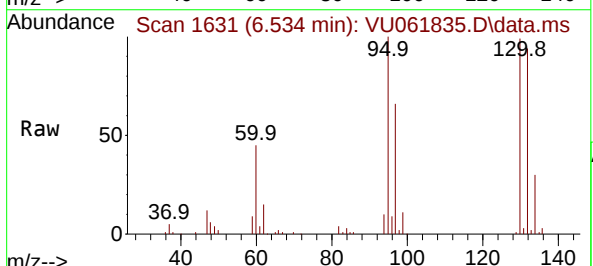
Instrument :
MSVOA_U
ClientSampleId :

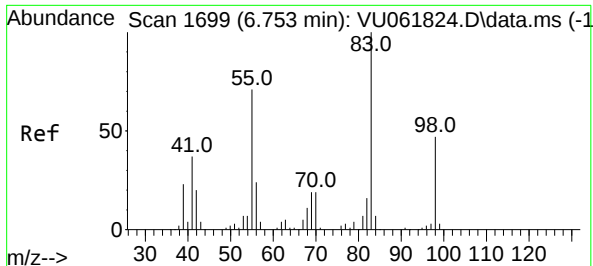
Tgt Ion:117 Resp: 43051
Ion Ratio Lower Upper
117 100
119 97.3 76.6 114.8



#34
Trichloroethene
Concen: 3.529 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

Tgt Ion: 95 Resp: 65010
Ion Ratio Lower Upper
95 100
97 65.9 43.5 80.9
132 94.2 65.2 121.0
130 98.9 67.5 125.3





#35

Methylcyclohexane

Concen: 0.479 ug/L

RT: 6.679 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU061835.D

Acq: 19 Nov 2024 01:23

Instrument :

MSVOA_U

ClientSampleId :

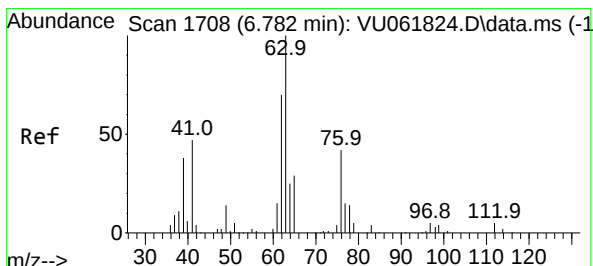
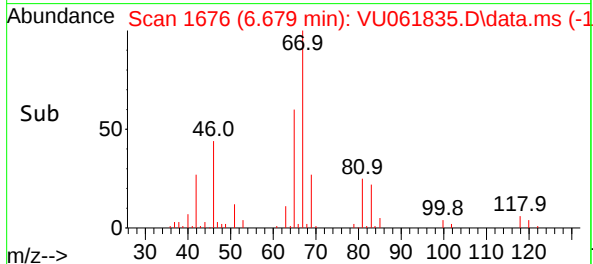
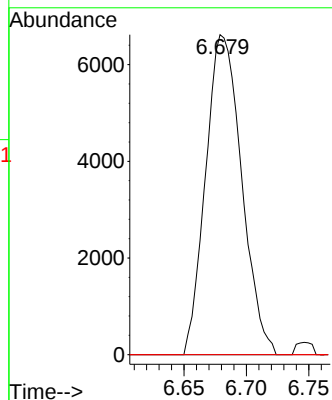
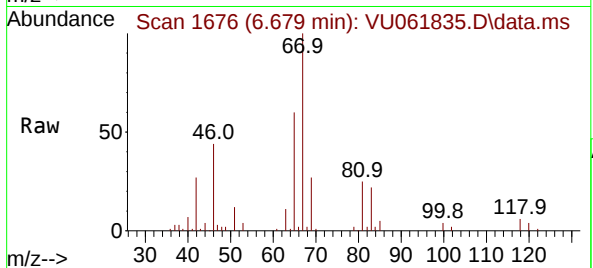
Tgt Ion: 83 Resp: 13307

Ion Ratio Lower Upper

83 100

55 0.0 56.4 84.6#

98 0.0 37.7 56.5#



#37

1,2-Dichloropropane

Concen: 0.384 ug/L

RT: 6.679 min Scan# 1676

Delta R.T. -0.103 min

Lab File: VU061835.D

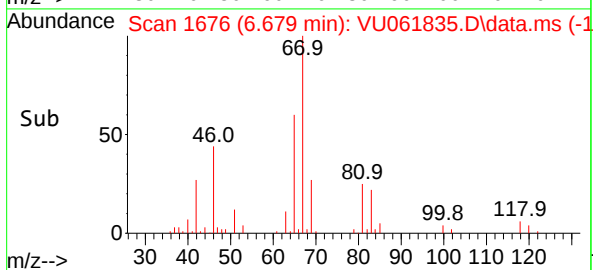
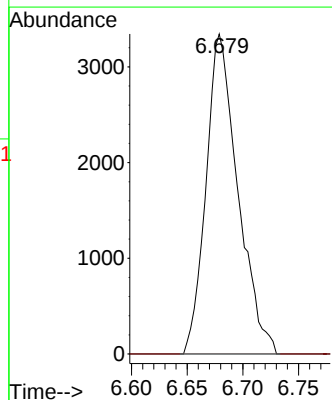
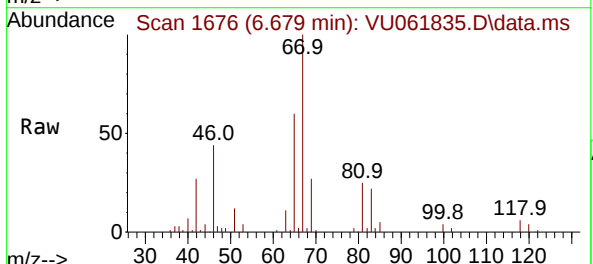
Acq: 19 Nov 2024 01:23

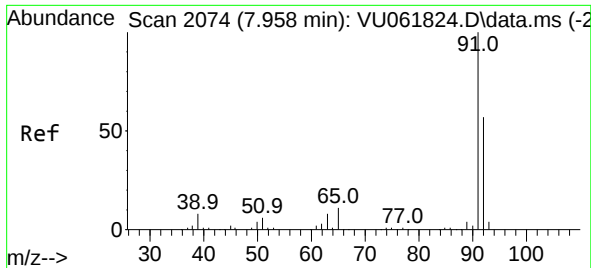
Tgt Ion: 63 Resp: 6650

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#

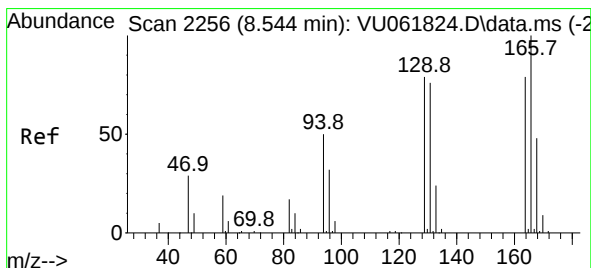
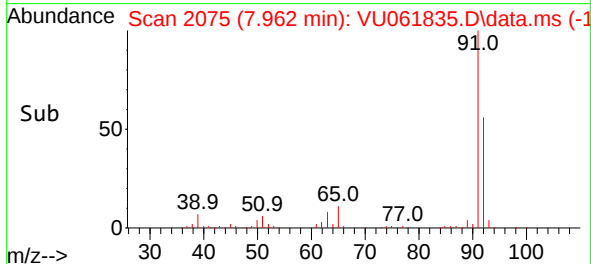
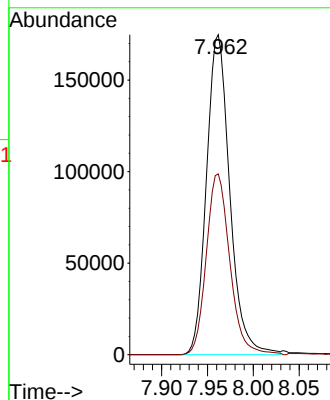
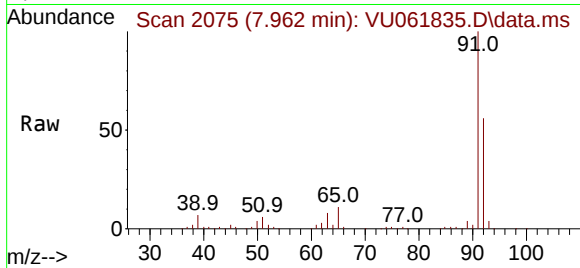




#42
Toluene
Concen: 4.210 ug/L
RT: 7.962 min Scan# 2074
Delta R.T. 0.003 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

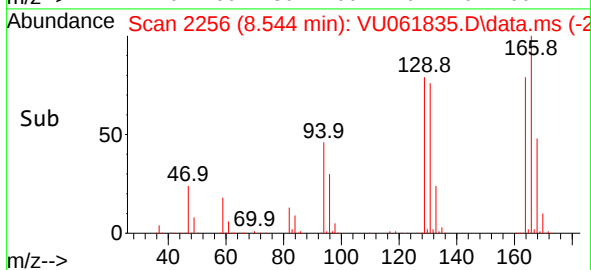
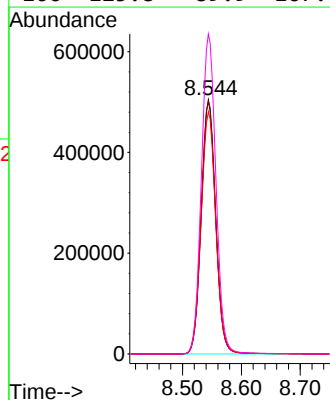
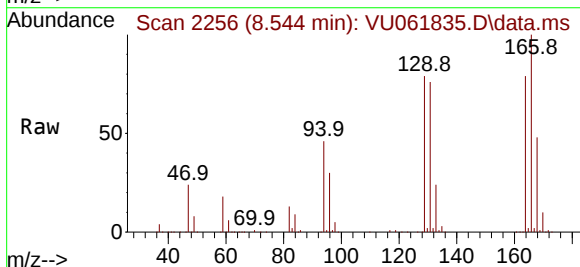
Instrument :
MSVOA_U
ClientSampleId :

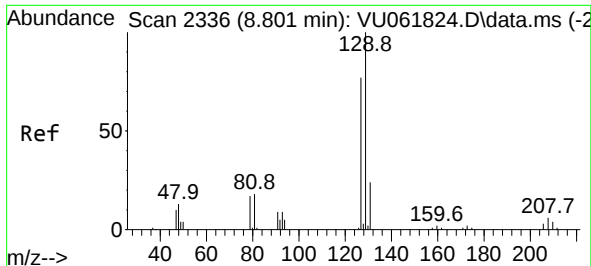
Tgt Ion: 91 Resp: 309275
Ion Ratio Lower Upper
91 100
92 56.5 39.7 73.7



#47
Tetrachloroethene
Concen: 62.330 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

Tgt Ion:164 Resp: 862879
Ion Ratio Lower Upper
164 100
129 99.3 71.7 133.3
131 95.3 68.2 126.6
166 125.8 89.9 167.0





#49

Dibromochloromethane

Concen: 64.471 ug/L

RT: 8.544 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU061835.D

Acq: 19 Nov 2024 01:23

Instrument :

MSVOA_U

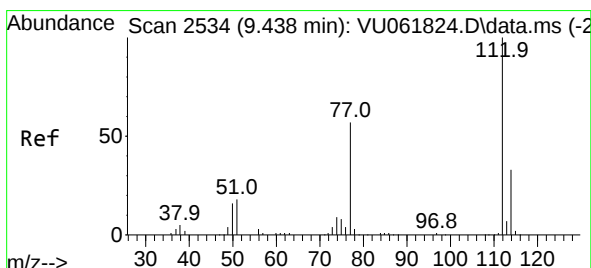
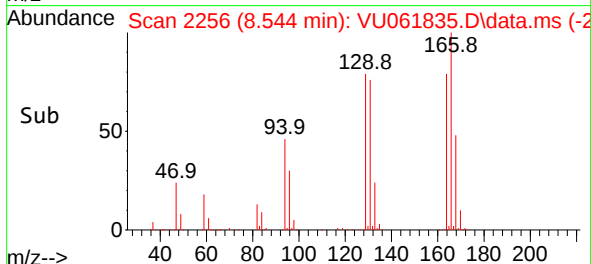
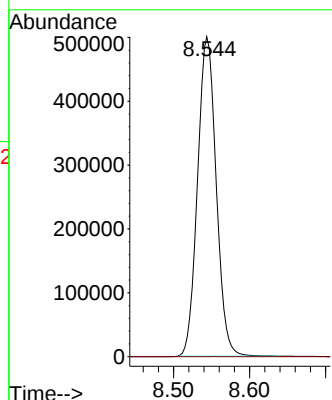
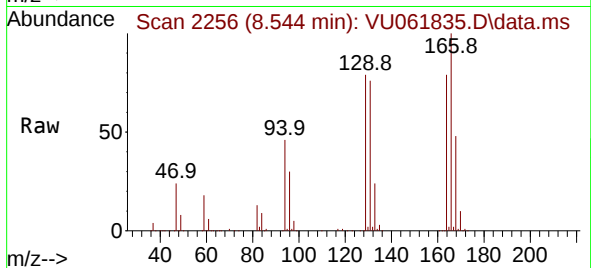
ClientSampleId :

Tgt Ion:129 Resp: 853041

Ion Ratio Lower Upper

129 100

127 0.0 55.1 102.3#



#51

Chlorobenzene

Concen: 3.671 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. 0.000 min

Lab File: VU061835.D

Acq: 19 Nov 2024 01:23

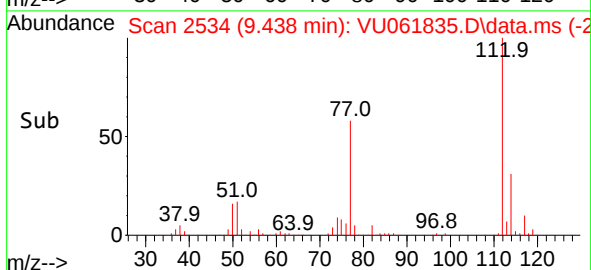
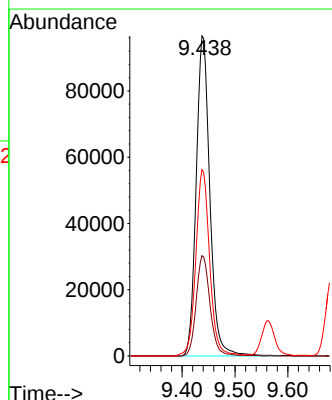
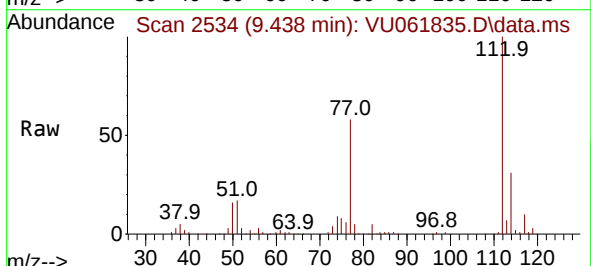
Tgt Ion:112 Resp: 173581

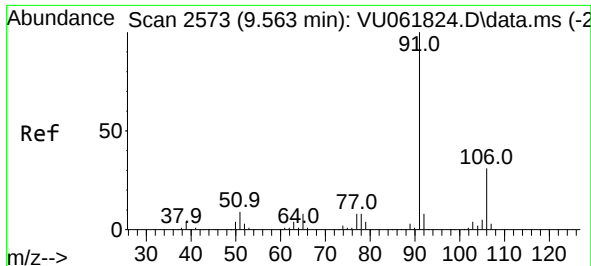
Ion Ratio Lower Upper

112 100

114 31.3 22.5 41.9

77 58.2 45.3 67.9

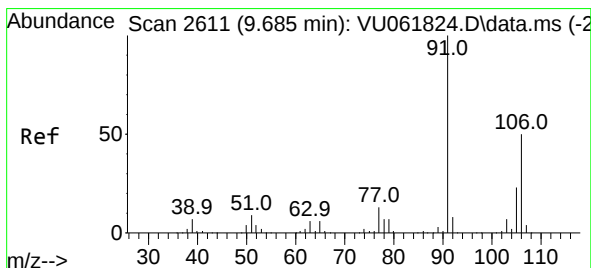
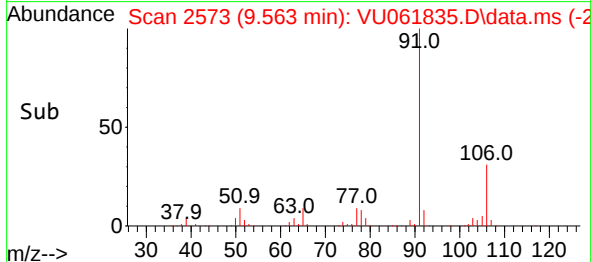
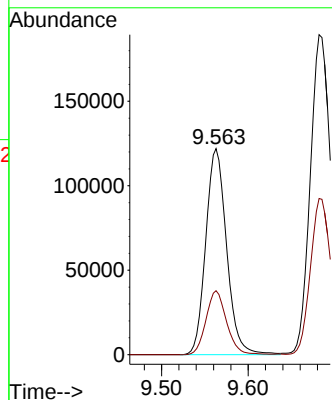
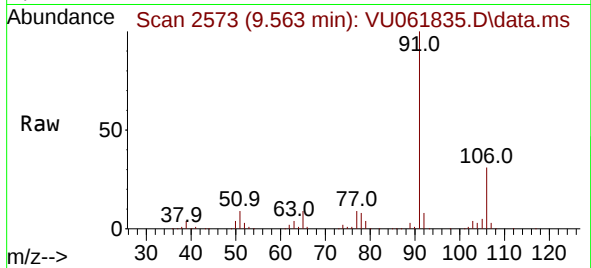




#52
Ethylbenzene
Concen: 2.613 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

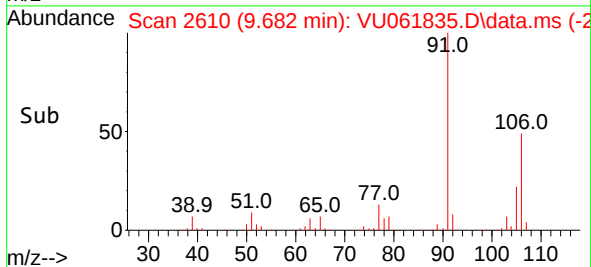
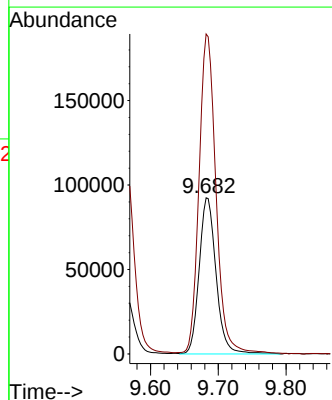
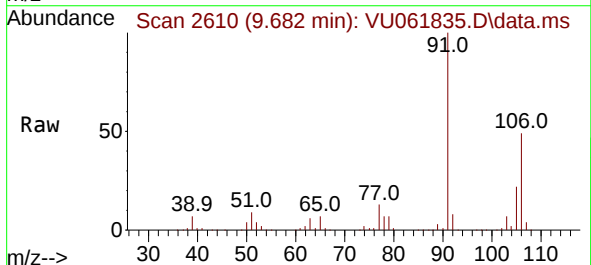
Instrument :
MSVOA_U
ClientSampleId :

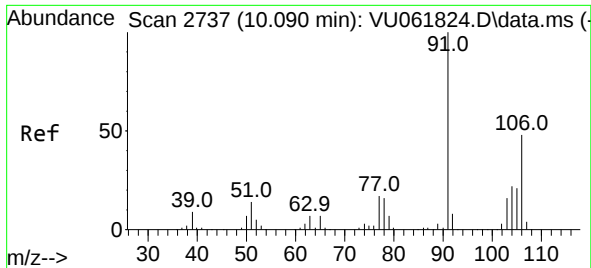
Tgt Ion: 91 Resp: 204443
Ion Ratio Lower Upper
91 100
106 31.1 21.7 40.3



#53
m,p-Xylene
Concen: 5.347 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

Tgt Ion: 106 Resp: 160092
Ion Ratio Lower Upper
106 100
91 204.9 140.4 260.8

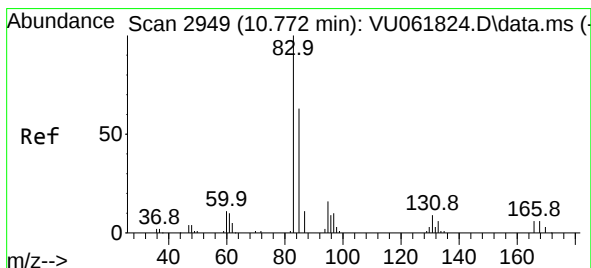
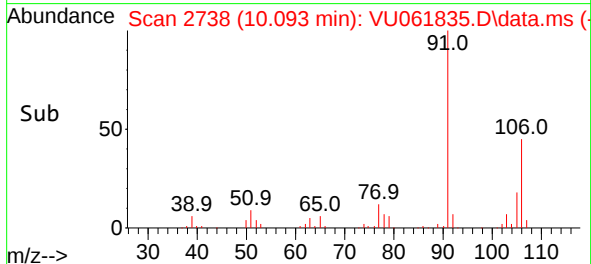
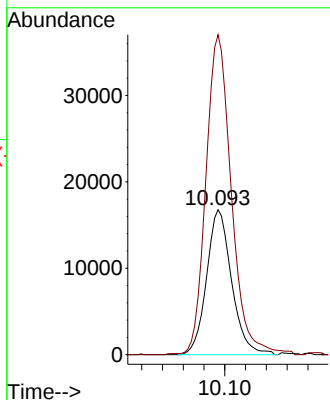
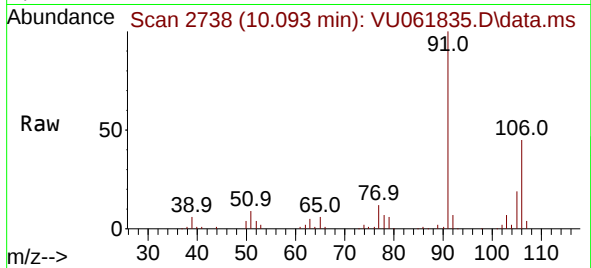




#54
o-Xylene
Concen: 0.963 ug/L
RT: 10.093 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

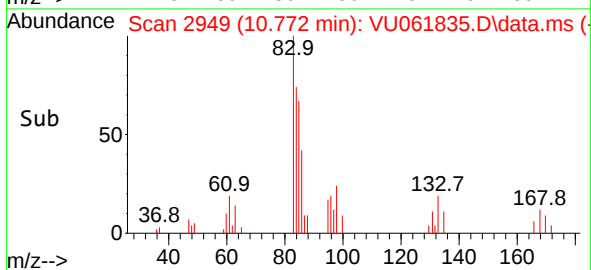
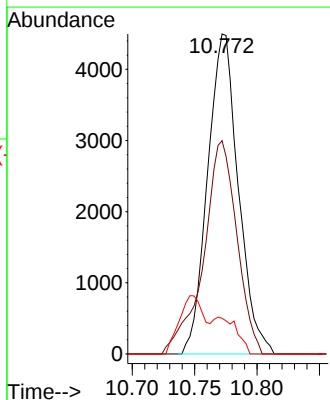
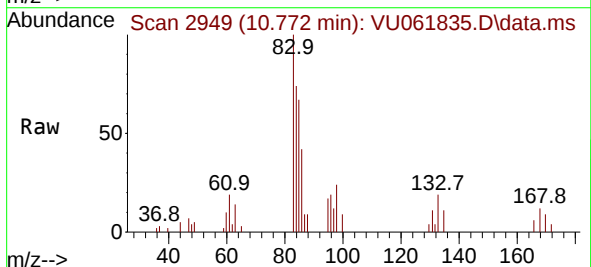
Instrument :
MSVOA_U
ClientSampleId :

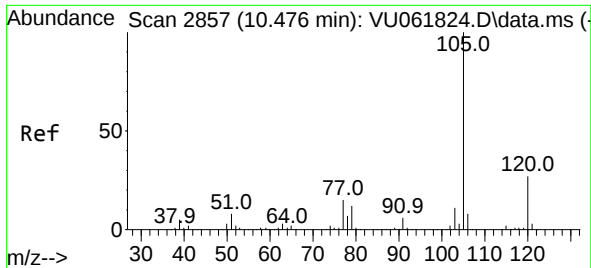
Tgt Ion:106 Resp: 28015
Ion Ratio Lower Upper
106 100
91 220.7 151.3 280.9



#57
1,1,2,2-Tetrachloroethane
Concen: 0.502 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

Tgt Ion: 83 Resp: 7707
Ion Ratio Lower Upper
83 100
85 66.6 41.9 77.9
131 11.1 7.8 11.6

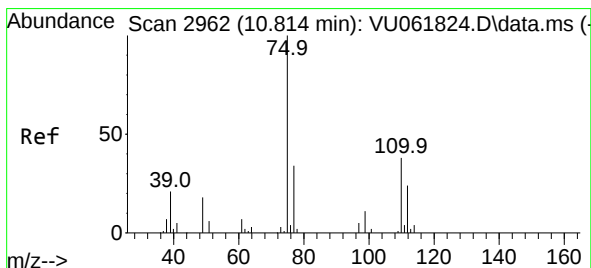
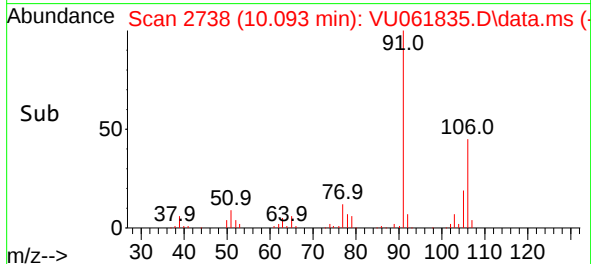
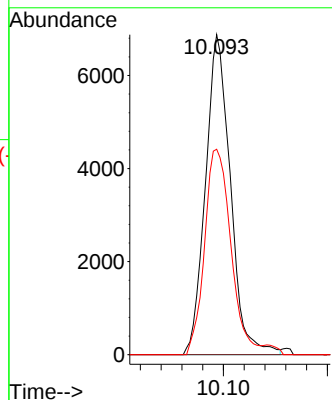
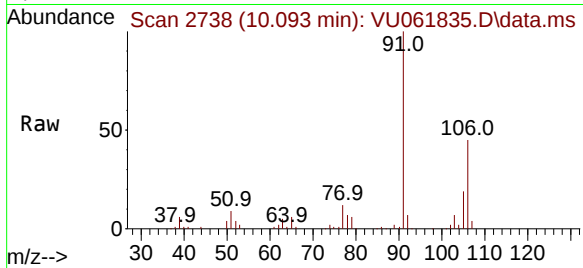




#60
Isopropylbenzene
Concen: 0.242 ug/L
RT: 10.093 min Scan# 21
Delta R.T. -0.383 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

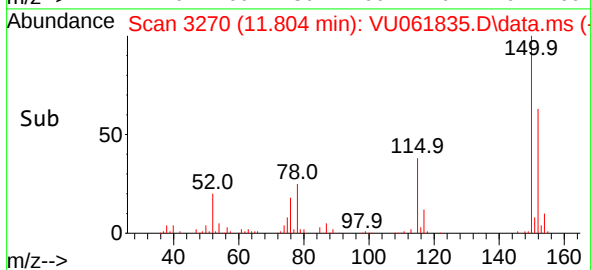
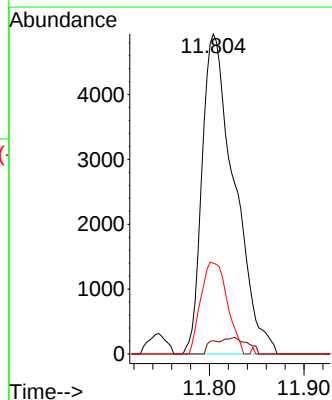
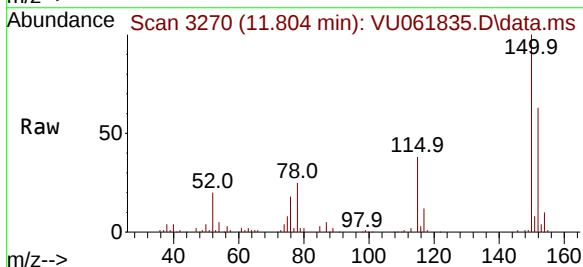
Instrument :
MSVOA_U
ClientSampleId :

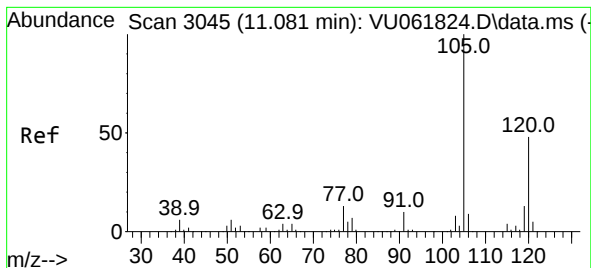
Tgt Ion:105 Resp: 11449
Ion Ratio Lower Upper
105 100
120 0.0 21.6 32.4#
77 67.6 12.8 19.2#



#61
1,2,3-Trichloropropane
Concen: 1.814 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.990 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

Tgt Ion: 75 Resp: 11670
Ion Ratio Lower Upper
75 100
110 1.5 31.3 46.9#
77 0.0 26.0 39.0#





#62

1,3,5-Trimethylbenzene

Concen: 0.302 ug/L

RT: 10.093 min Scan# 21

Delta R.T. -0.987 min

Lab File: VU061835.D

Acq: 19 Nov 2024 01:23

Instrument :

MSVOA_U

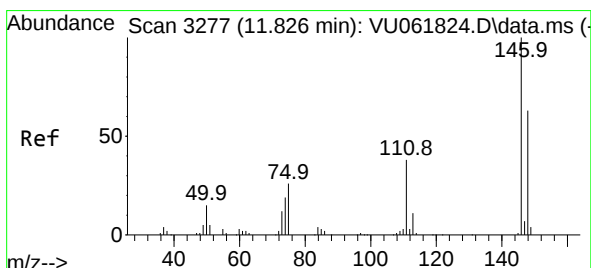
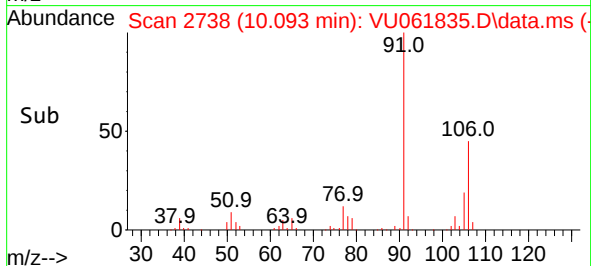
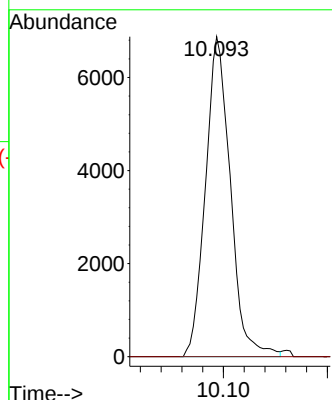
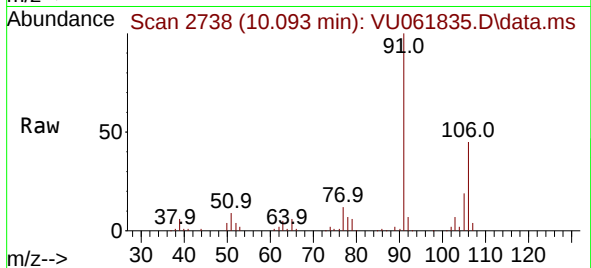
ClientSampleId :

Tgt Ion:105 Resp: 11449

Ion Ratio Lower Upper

105 100

120 0.0 38.5 57.7#



#65

1,4-Dichlorobenzene

Concen: 0.509 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU061835.D

Acq: 19 Nov 2024 01:23

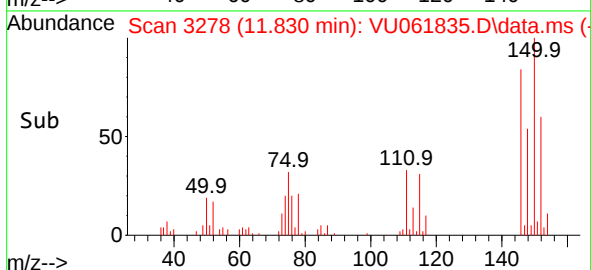
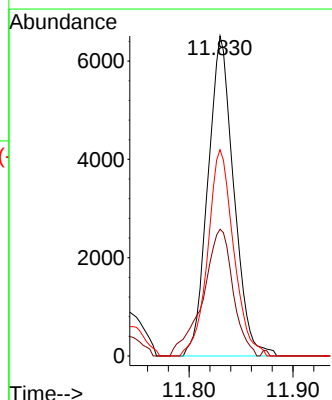
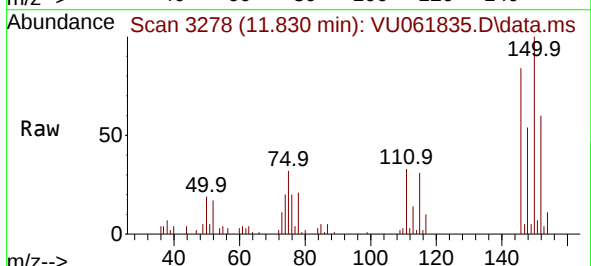
Tgt Ion:146 Resp: 11233

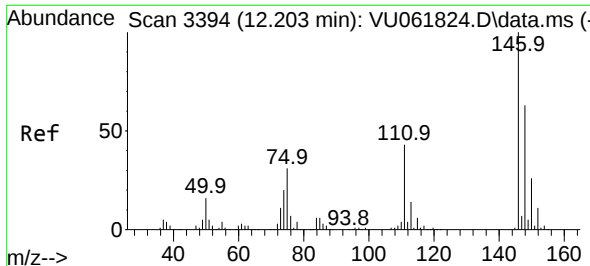
Ion Ratio Lower Upper

146 100

111 39.6 28.8 53.4

148 64.5 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 4.916 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU061835.D

Acq: 19 Nov 2024 01:23

Instrument :

MSVOA_U

ClientSampleId :

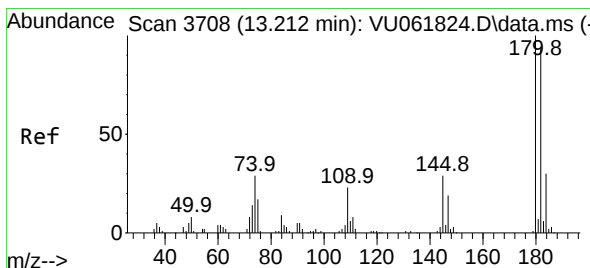
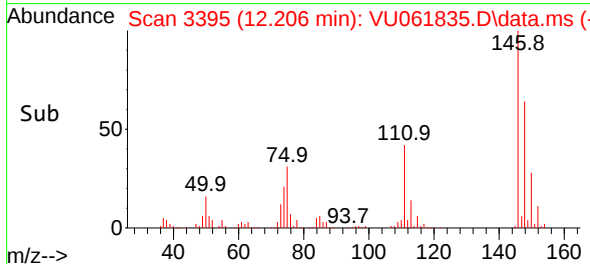
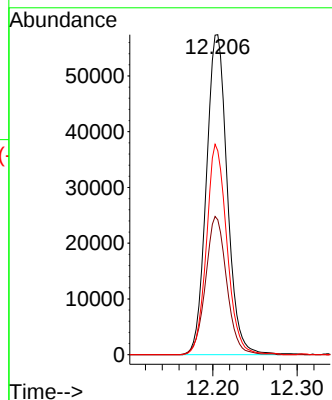
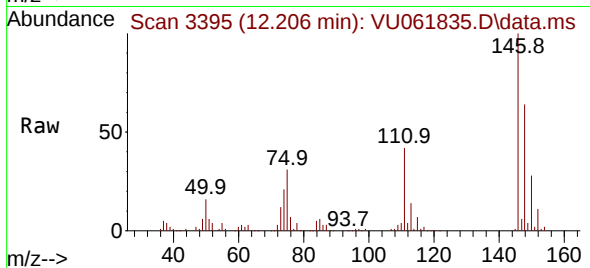
Tgt Ion:146 Resp: 99315

Ion Ratio Lower Upper

146 100

111 42.1 35.2 52.8

148 63.7 52.6 79.0



#69

1,3,5-Trichlorobenzene

Concen: 0.352 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.630 min

Lab File: VU061835.D

Acq: 19 Nov 2024 01:23

Tgt Ion:180 Resp: 5334

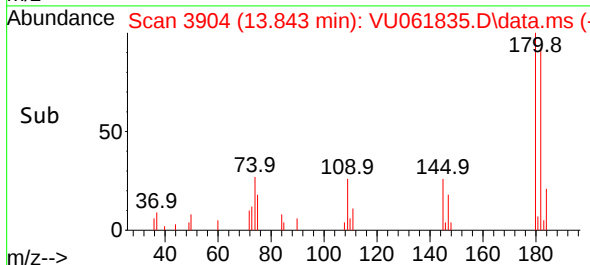
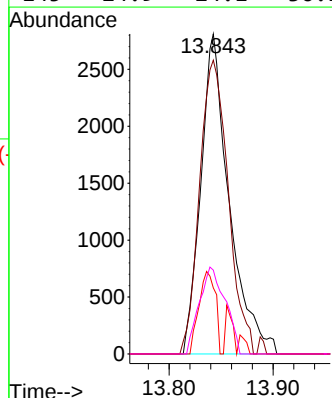
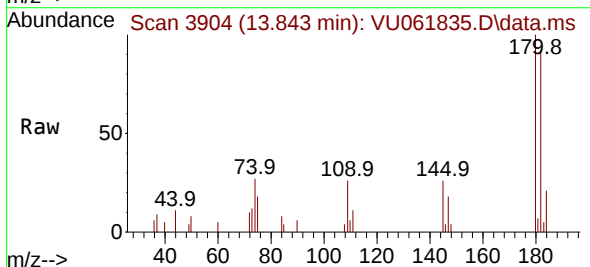
Ion Ratio Lower Upper

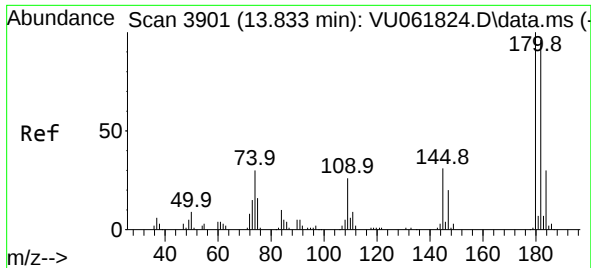
180 100

182 92.5 77.1 115.7

184 14.9 24.7 37.1#

145 24.9 24.1 36.1





#70

1,2,4-trichlorobenzene

Concen: 0.454 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.010 min

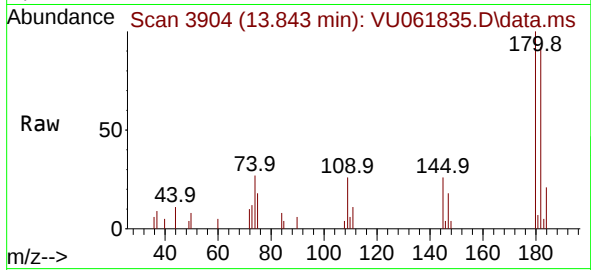
Lab File: VU061835.D

Acq: 19 Nov 2024 01:23

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 5334

Ion Ratio Lower Upper

180 100

182 92.5 77.4 116.0

145 24.9 24.5 36.7

