

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111624\
 Data File : VU061774.D
 Acq On : 17 Nov 2024 04:14
 Operator : MD/SY
 Sample : P4847-04
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 18 04:23:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 18 04:15:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	167592	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	163510	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	82782	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	38864	3.589	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.800%
7) Chloroethane-d5	1.907	69	35255	3.814	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.200%
11) 1,1-Dichloroethene-d2	2.557	65	17998	3.705	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.000%
20) 2-Butanone-d5	4.653	46	95283	41.457	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.920%
24) Chloroform-d	5.052	84	90635	4.211	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
26) 1,2-Dichloroethane-d4	5.692	65	45467	4.402	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
32) Benzene-d6	5.717	84	183481	4.056	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.200%
36) 1,2-Dichloropropane-d6	6.682	67	57430	4.305	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.000%
41) Toluene-d8	7.891	98	166916	3.959	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.200%
43) trans-1,3-Dichloroprop...	8.174	79	17473	3.556	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.200%
46) 2-Hexanone-d5	8.627	63	92162	47.459	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.920%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	49761	4.731	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.600%
66) 1,2-Dichlorobenzene-d4	12.183	152	68208	4.626	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						
					Qvalue	
22) cis-1,2-Dichloroethene	4.666	96	1514	0.121	ug/L	94
25) Chloroform	5.081	83	7128	0.334	ug/L	95
30) Cyclohexane	5.380	56	3685	0.198	ug/L	98
33) Benzene	5.766	78	32643	0.660	ug/L	100
35) Methylcyclohexane	6.753	83	7768	0.385	ug/L #	84
42) Toluene	7.965	91	8479	0.159	ug/L	95
45) 1,1,2-Trichloroethane	8.357	97	1993	0.218	ug/L #	14
51) Chlorobenzene	9.438	112	1041904	30.379	ug/L	99
53) m,p-Xylene	9.688	106	5040	0.232	ug/L	99
54) o-Xylene	10.097	106	5512	0.261	ug/L	98
60) Isopropylbenzene	10.476	105	297110	5.175	ug/L	98
61) 1,2,3-Trichloropropane	10.473	75	3345	0.429	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.460	105	10717	0.233	ug/L	96
63) 1,2,4-Trimethylbenzene	11.460	105	10717	0.240	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	3429	0.130	ug/L	95
65) 1,4-Dichlorobenzene	11.827	146	32384	1.211	ug/L	95
67) 1,2-Dichlorobenzene	12.203	146	28673	1.171	ug/L	96
68) 1,2-Dibromo-3-chloropr...	13.019	75	371	0.272	ug/L #	3
71) Naphthalene	14.084	128	27343	1.337	ug/L #	92

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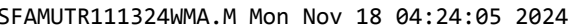
Instrument :
MSVOA_U
ClientSampleId :

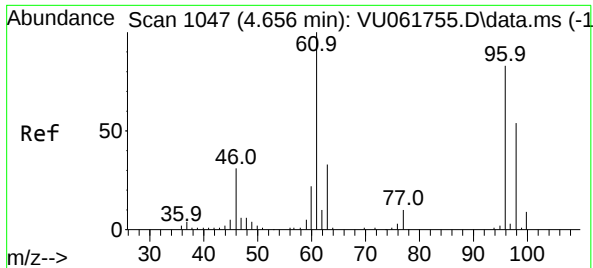
Quant Time: Nov 18 04:23:56 2024
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 18 04:15:29 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

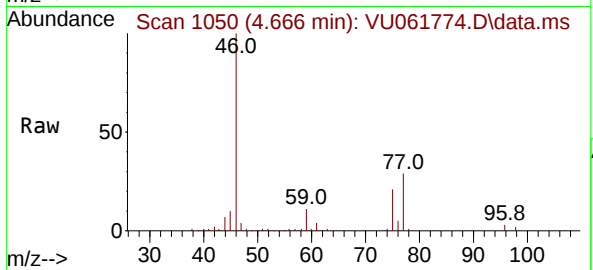
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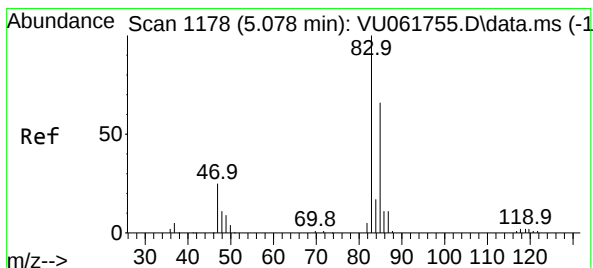
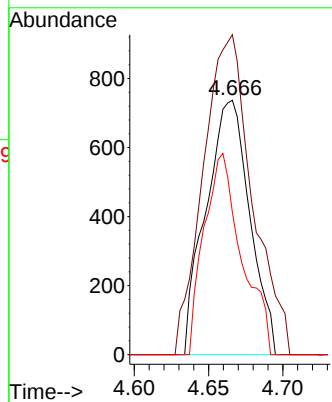
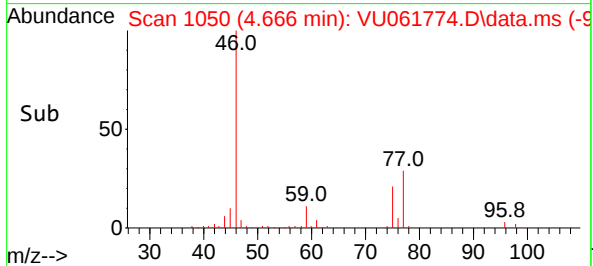


#22
 cis-1,2-Dichloroethene
 Concen: 0.121 ug/L
 RT: 4.666 min Scan# 1105
 Delta R.T. 0.010 min
 Lab File: VU061774.D
 Acq: 17 Nov 2024 04:14

Instrument :
 MSVOA_U
 ClientSampleId :

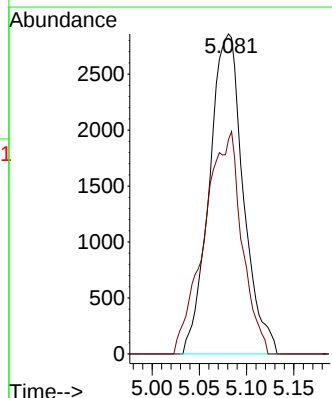
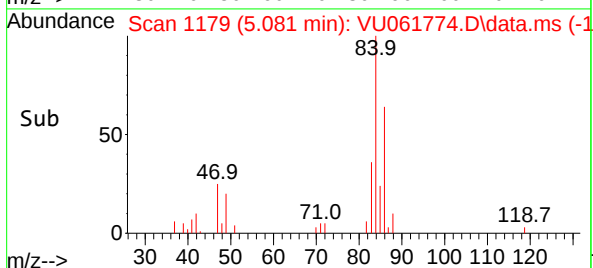
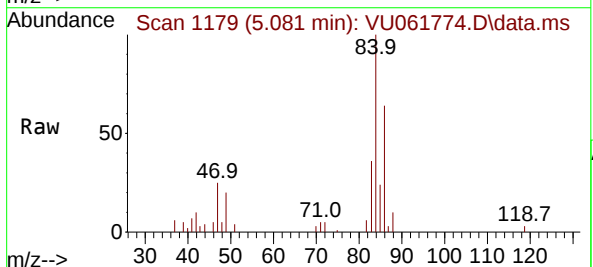


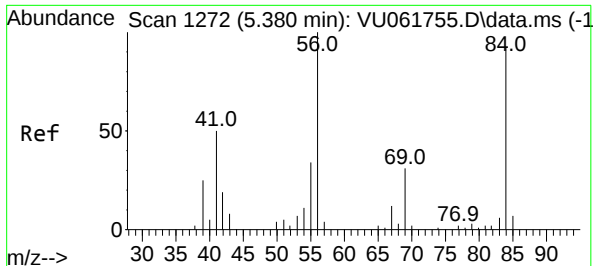
Tgt Ion: 96 Resp: 1514
 Ion Ratio Lower Upper
 96 100
 61 125.8 85.6 159.0
 98 56.0 45.6 84.8



#25
 Chloroform
 Concen: 0.334 ug/L
 RT: 5.081 min Scan# 1179
 Delta R.T. 0.003 min
 Lab File: VU061774.D
 Acq: 17 Nov 2024 04:14

Tgt Ion: 83 Resp: 7128
 Ion Ratio Lower Upper
 83 100
 85 67.1 44.1 81.9





#30

Cyclohexane

Concen: 0.198 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VU061774.D

Acq: 17 Nov 2024 04:14

Instrument :

MSVOA_U

ClientSampleId :

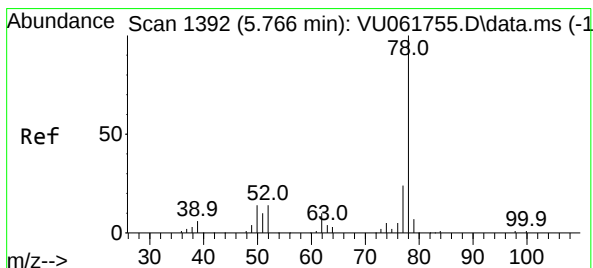
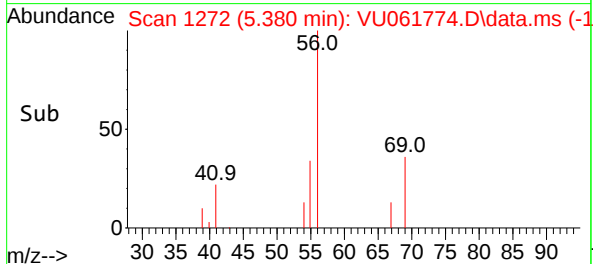
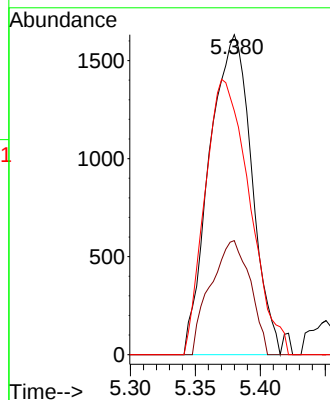
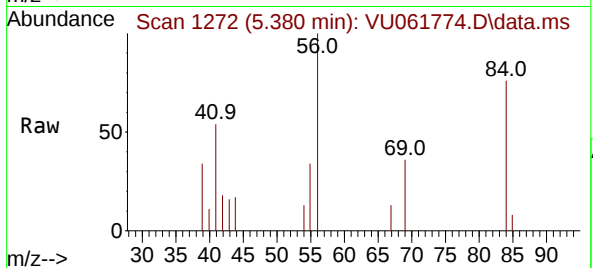
Tgt Ion: 56 Resp: 3685

Ion Ratio Lower Upper

56 100

69 33.4 25.6 38.4

84 90.6 74.3 111.5



#33

Benzene

Concen: 0.660 ug/L

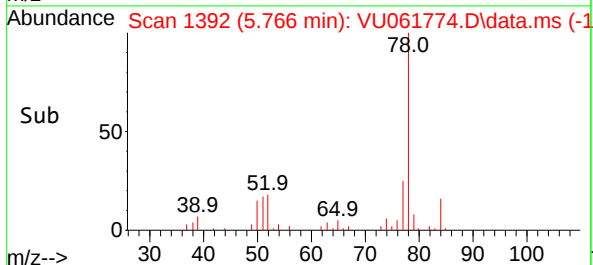
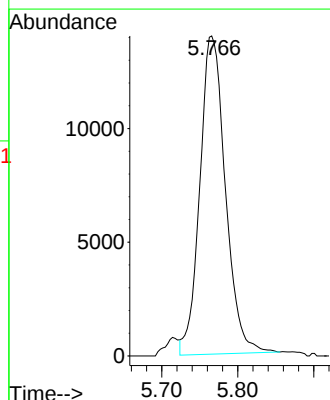
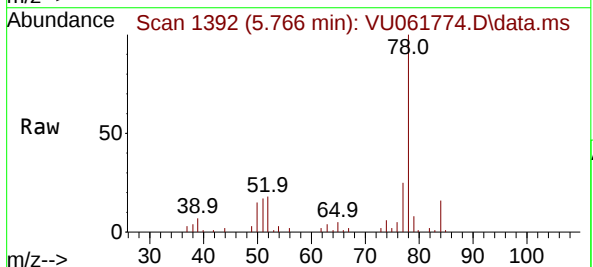
RT: 5.766 min Scan# 1392

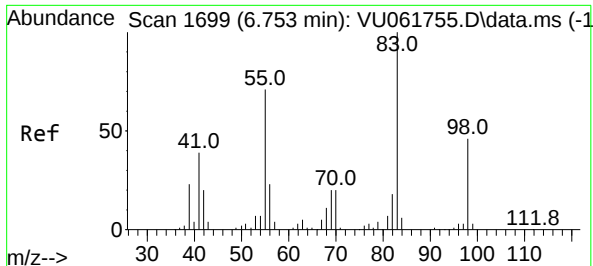
Delta R.T. -0.000 min

Lab File: VU061774.D

Acq: 17 Nov 2024 04:14

Tgt Ion: 78 Resp: 32643





#35

Methylcyclohexane

Concen: 0.385 ug/L

RT: 6.753 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU061774.D

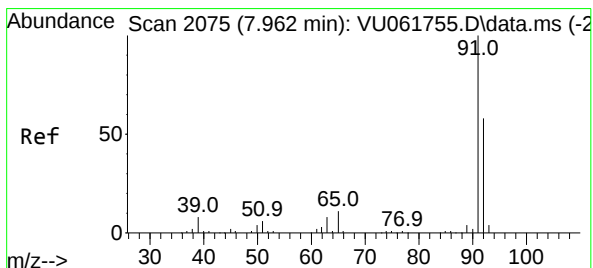
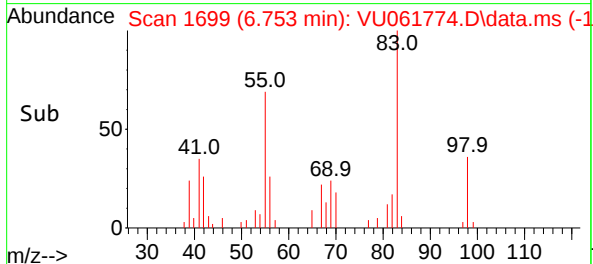
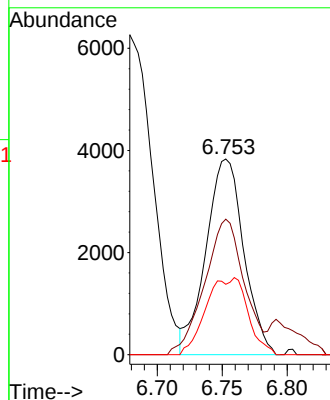
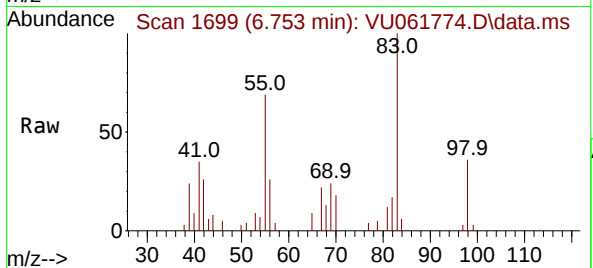
Acq: 17 Nov 2024 04:14

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 7768
Ion Ratio	Lower Upper
83 100	
55 72.1	56.4 84.6
98 22.9	37.7 56.5#



#42

Toluene

Concen: 0.159 ug/L

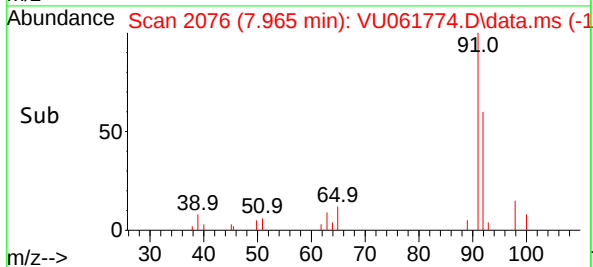
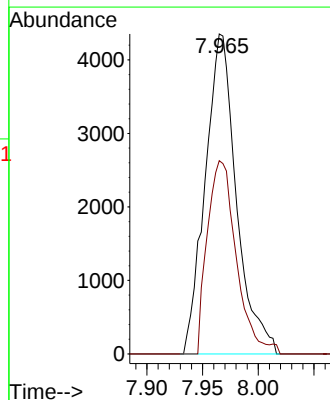
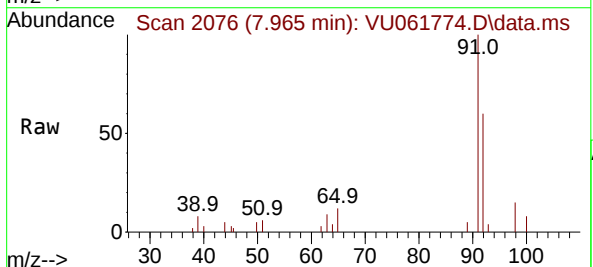
RT: 7.965 min Scan# 2076

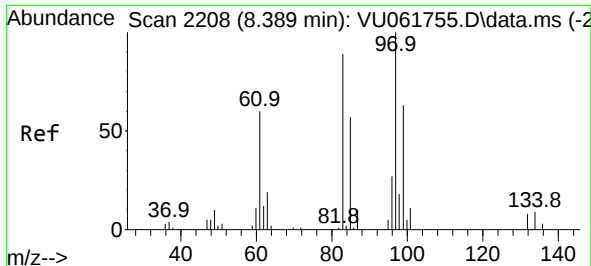
Delta R.T. 0.003 min

Lab File: VU061774.D

Acq: 17 Nov 2024 04:14

Tgt Ion: 91	Resp: 8479		
Ion Ratio	Lower	Upper	
91 100			
92 60.4	39.7	73.7	





#45

1,1,2-Trichloroethane

Concen: 0.218 ug/L

RT: 8.357 min Scan# 2198

Delta R.T. -0.032 min

Lab File: VU061774.D

Acq: 17 Nov 2024 04:14

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 1993

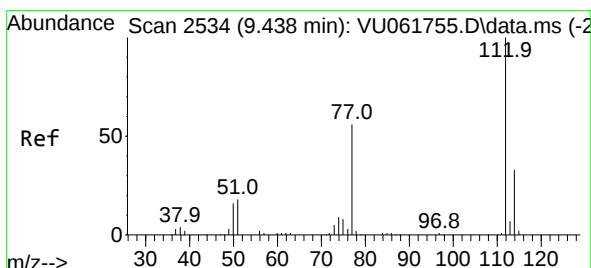
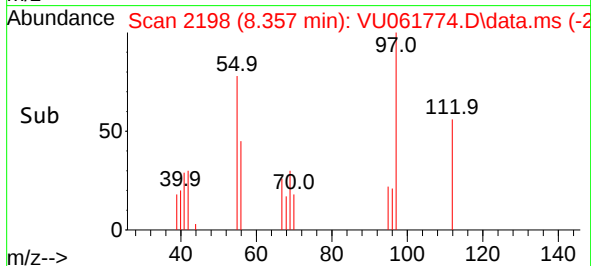
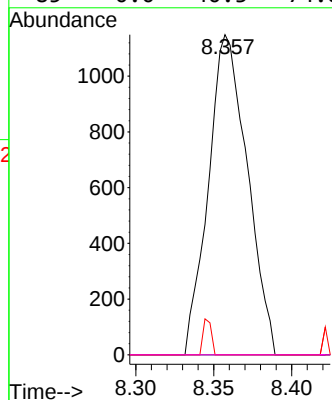
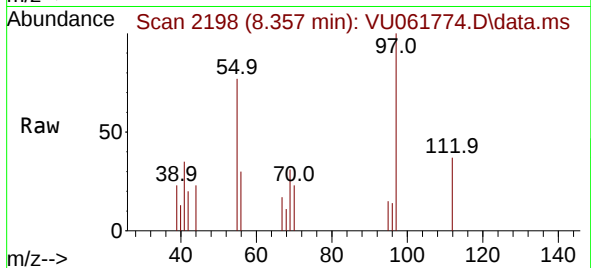
Ion Ratio Lower Upper

97 100

99 0.0 43.8 81.3#

83 0.0 63.2 117.4#

85 0.0 40.3 74.8#



#51

Chlorobenzene

Concen: 30.379 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. -0.000 min

Lab File: VU061774.D

Acq: 17 Nov 2024 04:14

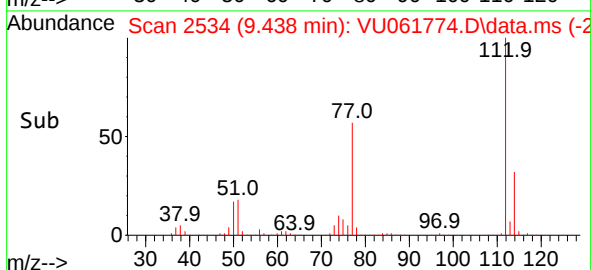
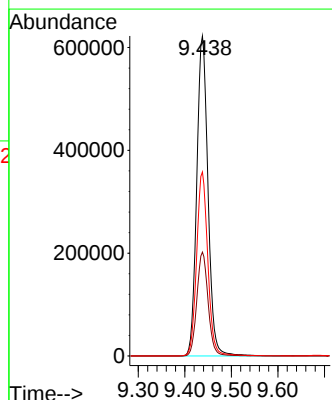
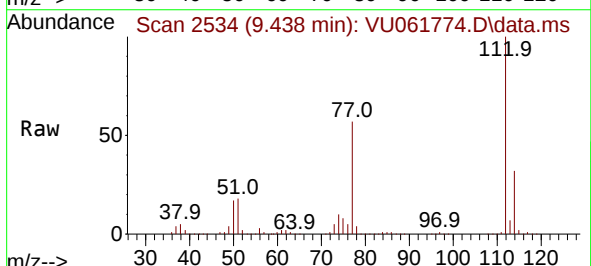
Tgt Ion: 112 Resp: 1041904

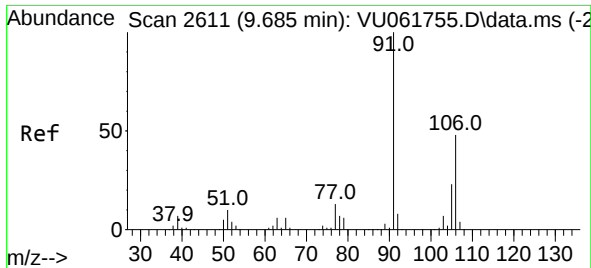
Ion Ratio Lower Upper

112 100

114 32.5 22.5 41.9

77 57.5 45.3 67.9

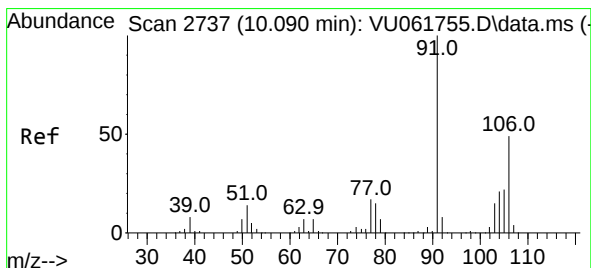
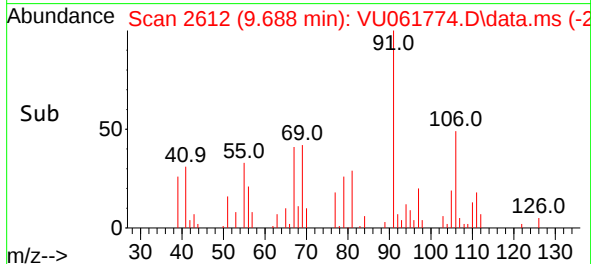
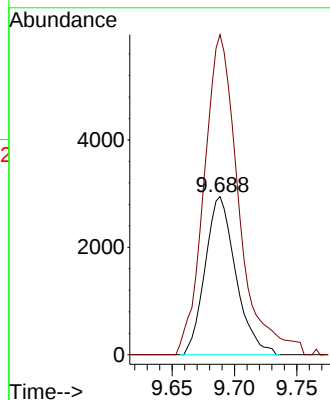
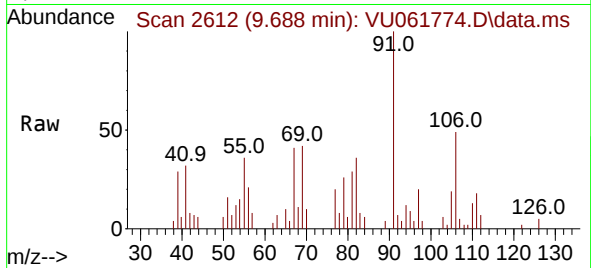




#53
m,p-Xylene
Concen: 0.232 ug/L
RT: 9.688 min Scan# 2611
Delta R.T. 0.003 min
Lab File: VU061774.D
Acq: 17 Nov 2024 04:14

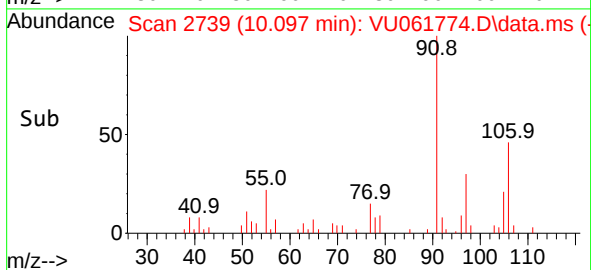
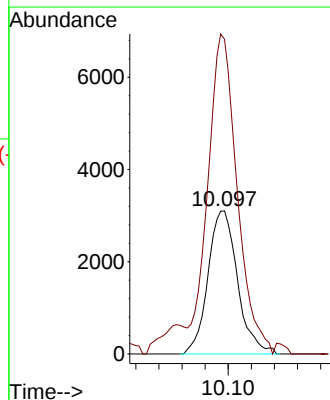
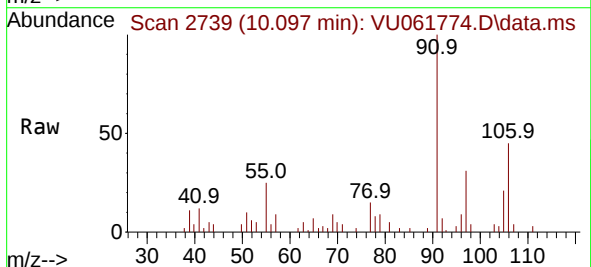
Instrument :
MSVOA_U
ClientSampleId :

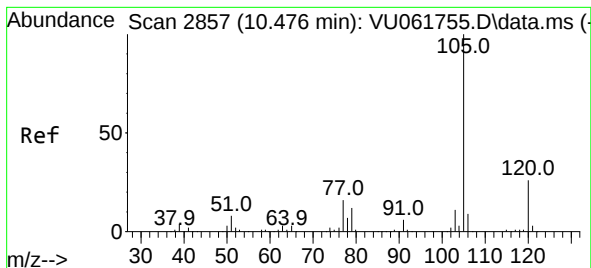
Tgt Ion:106 Resp: 5040
Ion Ratio Lower Upper
106 100
91 202.3 140.4 260.8



#54
o-Xylene
Concen: 0.261 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.006 min
Lab File: VU061774.D
Acq: 17 Nov 2024 04:14

Tgt Ion:106 Resp: 5512
Ion Ratio Lower Upper
106 100
91 219.9 151.3 280.9





#60

Isopropylbenzene

Concen: 5.175 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU061774.D

Acq: 17 Nov 2024 04:14

Instrument :

MSVOA_U

ClientSampleId :

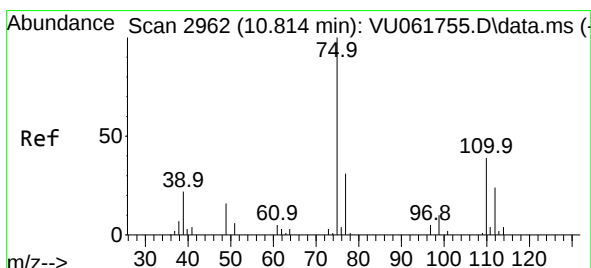
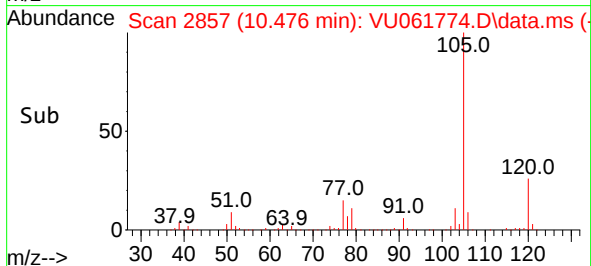
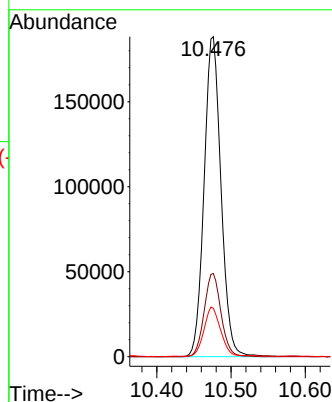
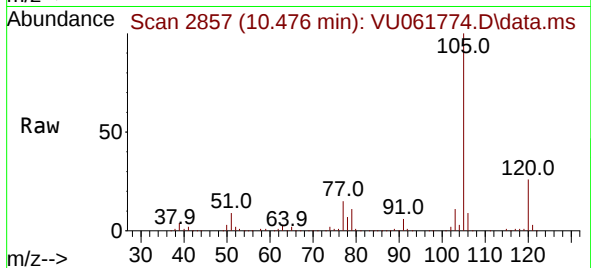
Tgt Ion:105 Resp: 297110

Ion Ratio Lower Upper

105 100

120 25.9 21.6 32.4

77 15.2 12.8 19.2



#61

1,2,3-Trichloropropane

Concen: 0.429 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. -0.341 min

Lab File: VU061774.D

Acq: 17 Nov 2024 04:14

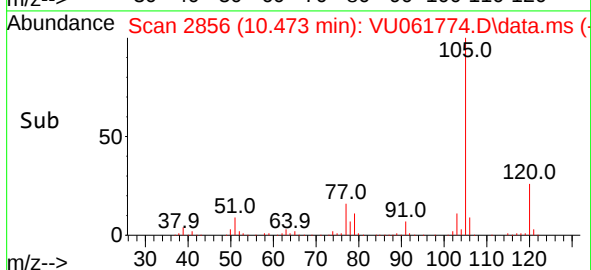
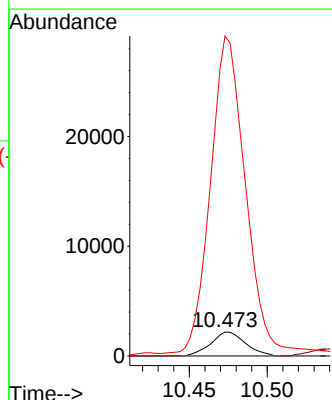
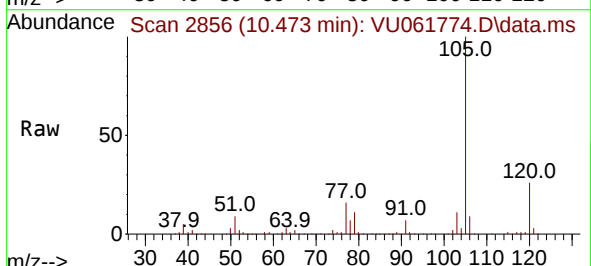
Tgt Ion: 75 Resp: 3345

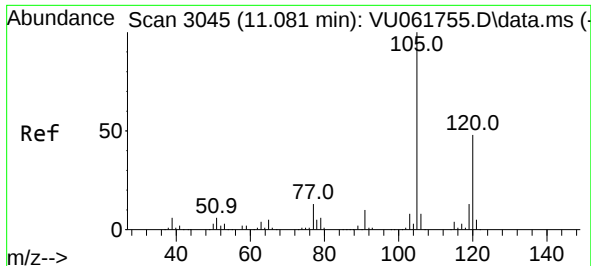
Ion Ratio Lower Upper

75 100

110 36.5 31.3 46.9

77 1347.5 26.0 39.0#





#62

1,3,5-Trimethylbenzene

Concen: 0.233 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.379 min

Lab File: VU061774.D

Acq: 17 Nov 2024 04:14

Instrument :

MSVOA_U

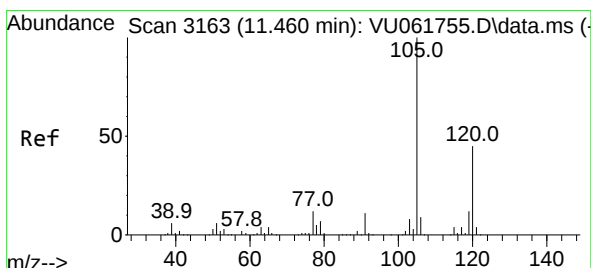
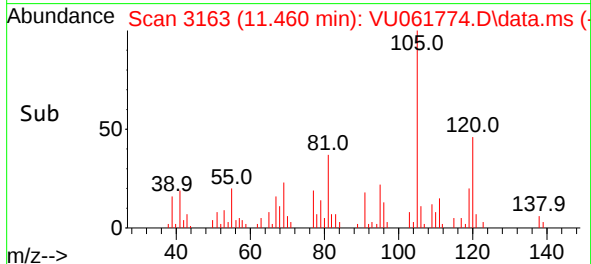
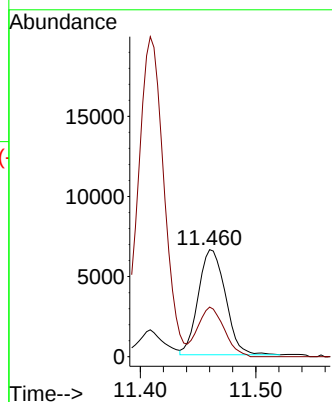
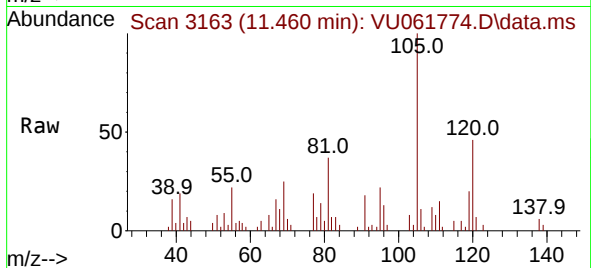
ClientSampleId :

Tgt Ion:105 Resp: 10717

Ion Ratio Lower Upper

105 100

120 45.7 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 0.240 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU061774.D

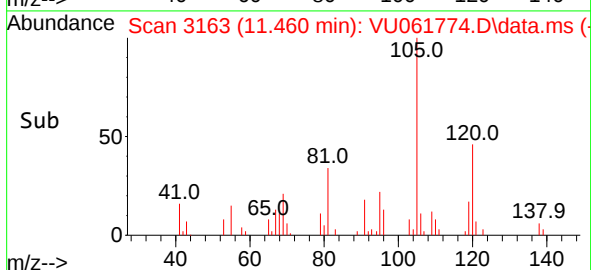
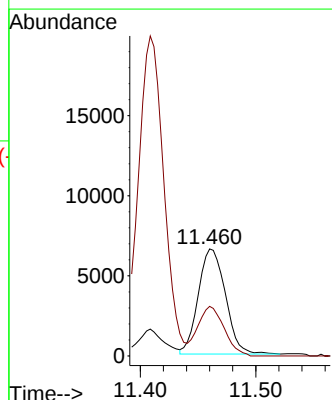
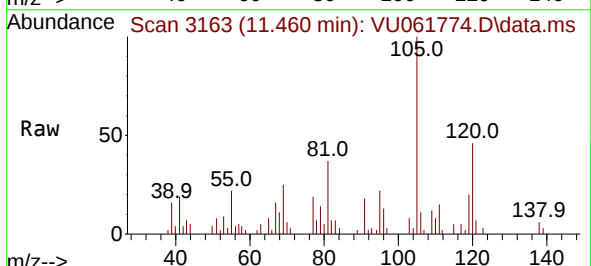
Acq: 17 Nov 2024 04:14

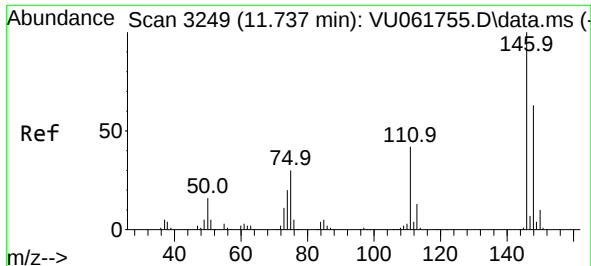
Tgt Ion:105 Resp: 10717

Ion Ratio Lower Upper

105 100

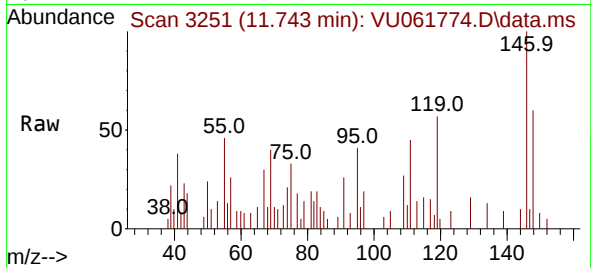
120 45.7 36.3 54.5



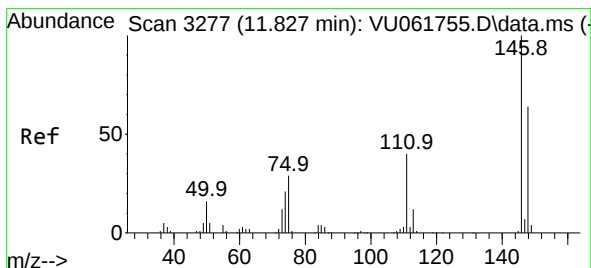
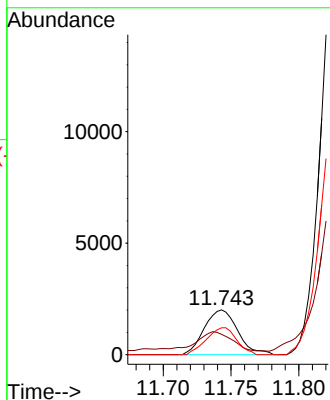
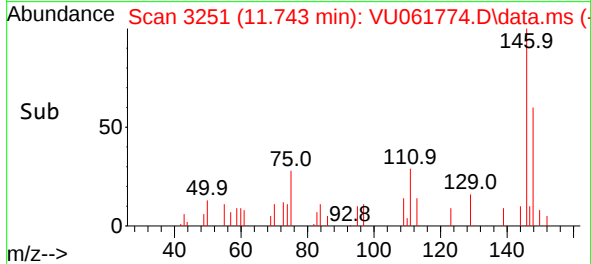


#64
1,3-Dichlorobenzene
Concen: 0.130 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU061774.D
Acq: 17 Nov 2024 04:14

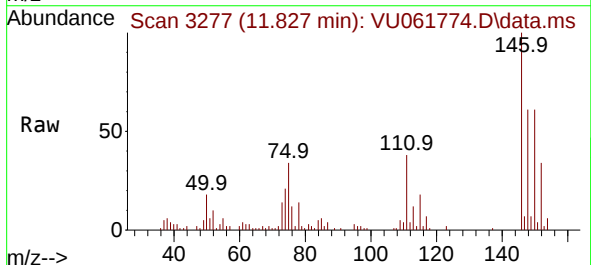
Instrument :
MSVOA_U
ClientSampleId :



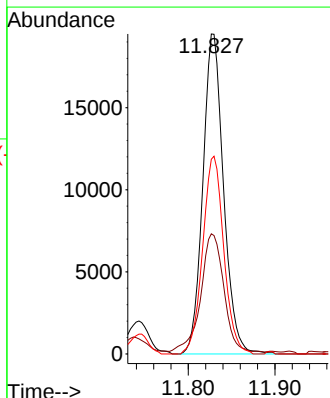
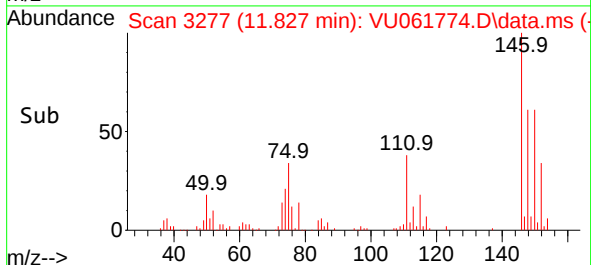
Tgt Ion:146 Resp: 3429
Ion Ratio Lower Upper
146 100
111 45.5 29.3 54.3
148 60.0 44.5 82.7

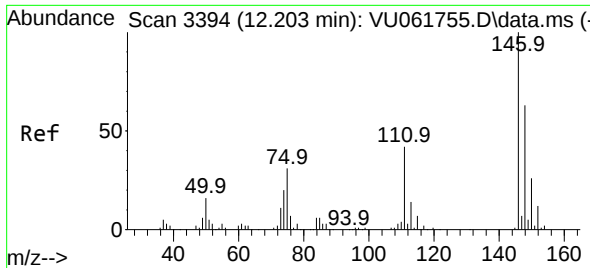


#65
1,4-Dichlorobenzene
Concen: 1.211 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. -0.000 min
Lab File: VU061774.D
Acq: 17 Nov 2024 04:14



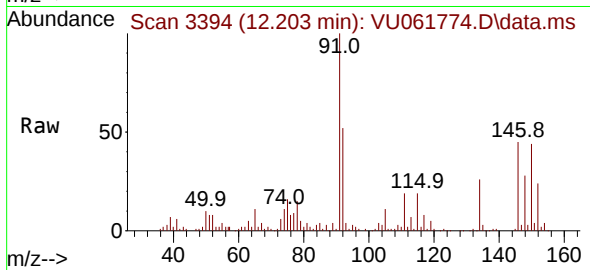
Tgt Ion:146 Resp: 32384
Ion Ratio Lower Upper
146 100
111 37.6 28.8 53.4
148 60.9 44.7 83.1



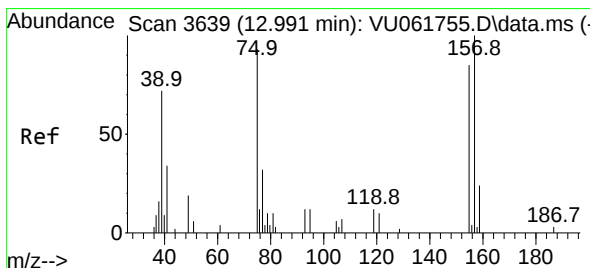
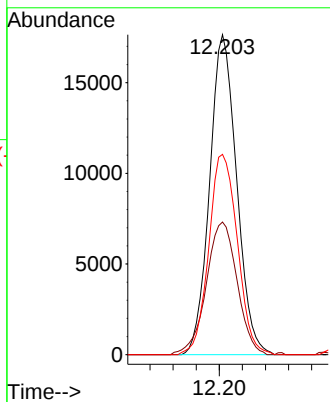
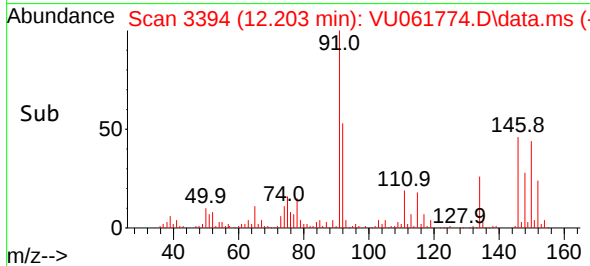


#67
1,2-Dichlorobenzene
Concen: 1.171 ug/L
RT: 12.203 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU061774.D
Acq: 17 Nov 2024 04:14

Instrument :
MSVOA_U
ClientSampleId :

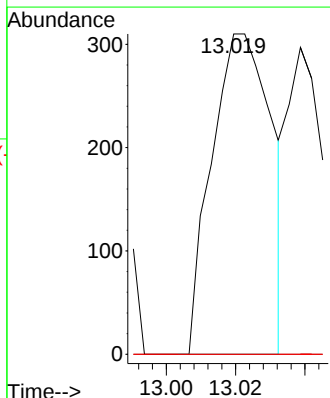
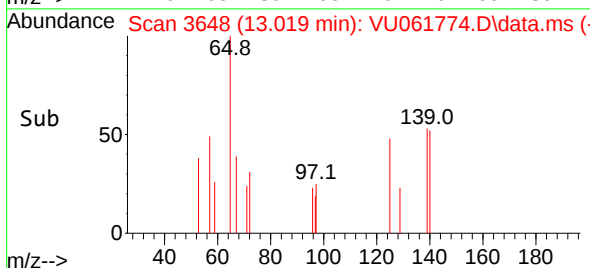
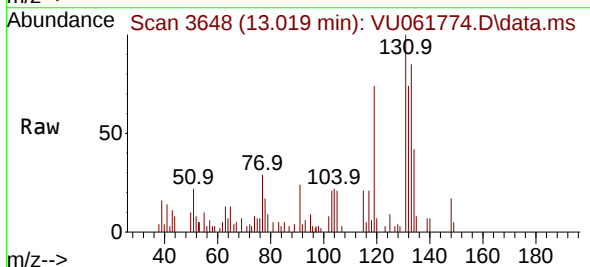


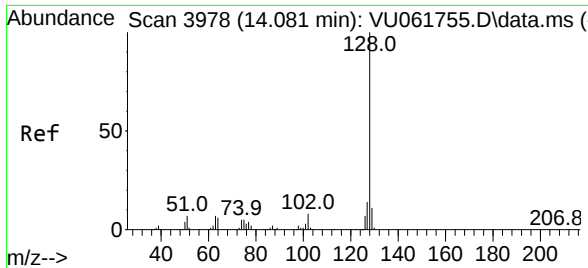
Tgt Ion:146 Resp: 28673
Ion Ratio Lower Upper
146 100
111 41.4 35.2 52.8
148 62.6 52.6 79.0



#68
1,2-Dibromo-3-chloropropane
Concen: 0.272 ug/L
RT: 13.019 min Scan# 3648
Delta R.T. 0.029 min
Lab File: VU061774.D
Acq: 17 Nov 2024 04:14

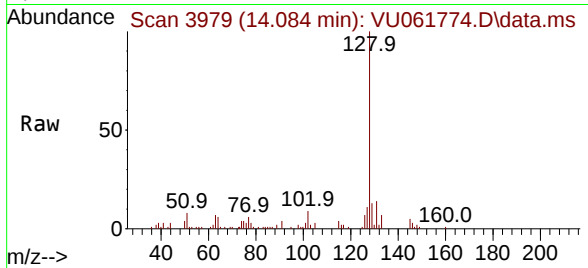
Tgt Ion: 75 Resp: 371
Ion Ratio Lower Upper
75 100
155 0.0 62.6 93.8#
157 0.0 84.9 127.3#





#71
 Naphthalene
 Concen: 1.337 ug/L
 RT: 14.084 min Scan# 3978
 Delta R.T. 0.003 min
 Lab File: VU061774.D
 Acq: 17 Nov 2024 04:14

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	128	Resp:	27343
Ion Ratio	Lower	Upper	
128	100		
129	16.7	8.5	12.7#
127	13.8	10.4	15.6

