

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
 Data File : VU061844.D
 Acq On : 19 Nov 2024 05:05
 Operator : MD/SY
 Sample : P4885-02
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 05:50:55 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	6.239	114	164587	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	155534	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	65120	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	34084	3.205	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.200%
7) Chloroethane-d5	1.908	69	33003	3.635	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.800%
11) 1,1-Dichloroethene-d2	2.557	65	16036	3.361	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.200%
20) 2-Butanone-d5	4.608	46	103703	45.945	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.880%
24) Chloroform-d	5.052	84	91100	4.310	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
26) 1,2-Dichloroethane-d4	5.692	65	46529	4.587	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
32) Benzene-d6	5.718	84	179772	4.178	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.600%
36) 1,2-Dichloropropane-d6	6.679	67	56872	4.481	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.600%
41) Toluene-d8	7.891	98	207335	5.170	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.400%
43) trans-1,3-Dichloroprop...	8.174	79	21056	4.504	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.624	63	106161	57.472	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.940%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	47155	4.713	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.200%
66) 1,2-Dichlorobenzene-d4	12.184	152	56416	4.864	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.200%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	2604	0.245	ug/L #	84
16) Methylene chloride	3.039	84	10681	0.933	ug/L	92
22) cis-1,2-Dichloroethene	4.666	96	1610	0.131	ug/L	77
29) 1,1,1-Trichloroethane	5.303	97	17695	1.000	ug/L	98
34) Trichloroethene	6.534	95	18792	1.478	ug/L	98
35) Methylcyclohexane	6.682	83	13736	0.717	ug/L #	21
37) 1,2-Dichloropropane	6.682	63	6281	0.526	ug/L #	89
42) Toluene	7.965	91	18857	0.372	ug/L	94
45) 1,1,2-Trichloroethane	8.544	97	1938	0.223	ug/L #	1
47) Tetrachloroethene	8.544	164	229626	24.042	ug/L	98
49) Dibromochloromethane	8.544	129	220669	24.174	ug/L #	10
51) Chlorobenzene	9.438	112	6927	0.212	ug/L	92
52) Ethylbenzene	9.566	91	4734	0.088	ug/L	98
53) m,p-Xylene	9.689	106	3201	0.155	ug/L	93
61) 1,2,3-Trichloropropane	11.801	75	7669	1.250	ug/L #	62
67) 1,2-Dichlorobenzene	12.206	146	2612	0.136	ug/L	96

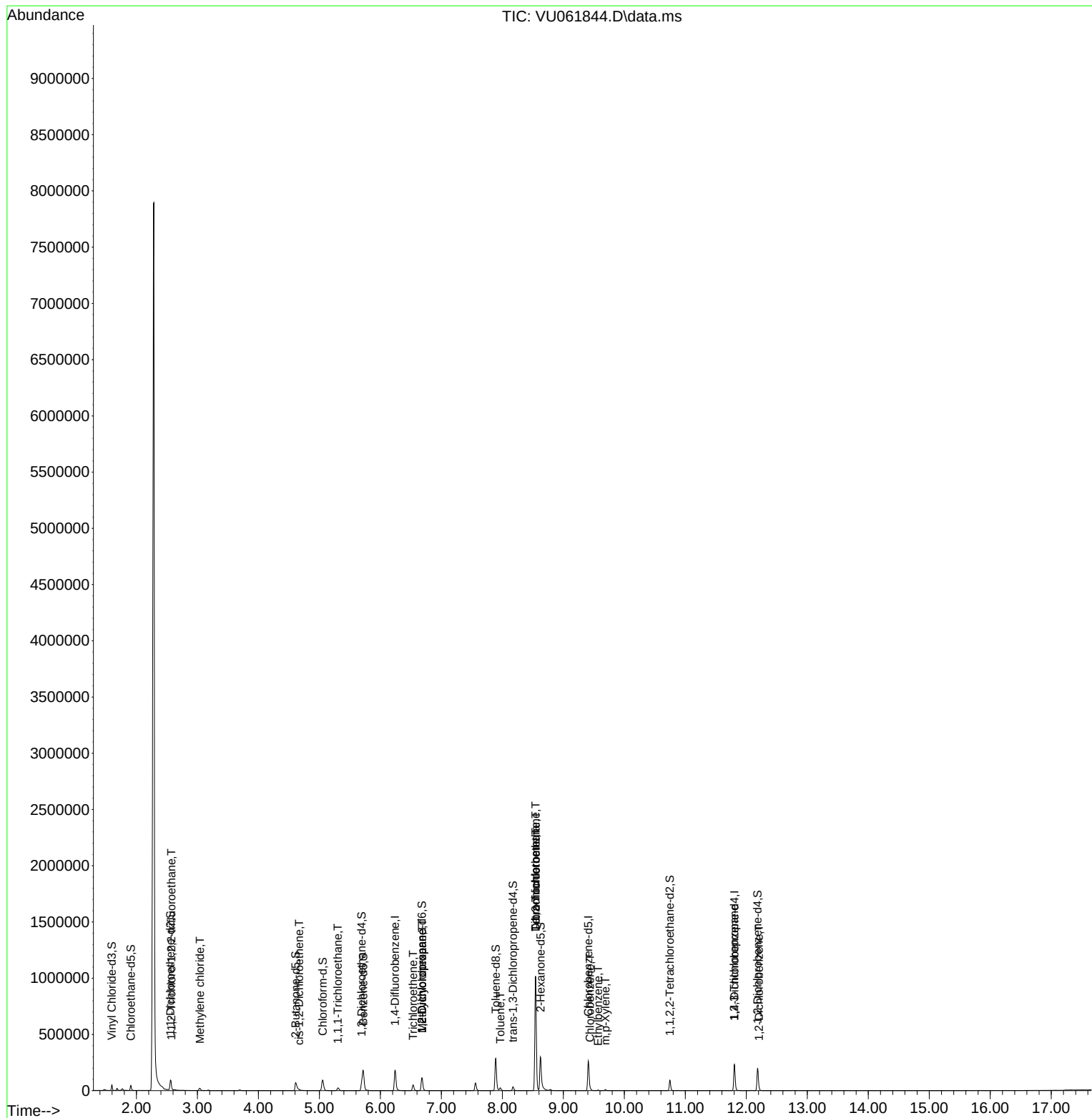
(#) = qualifier out of range (m) = manual integration (+) = signals summed

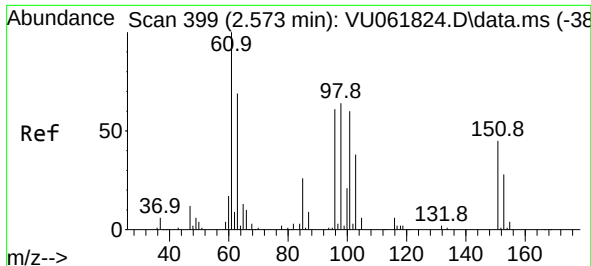
Instrument :
MSVOA_U
ClientSampleId :

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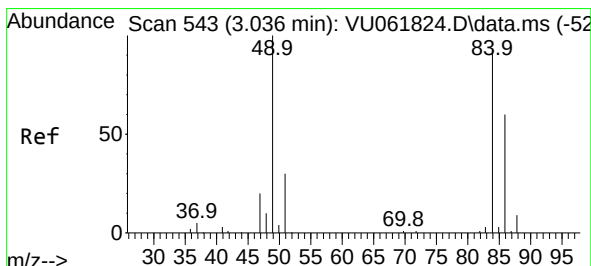
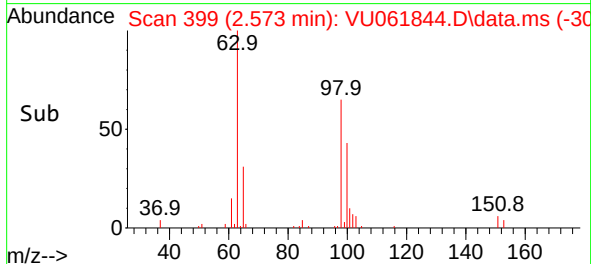
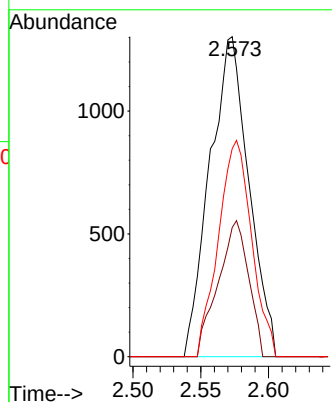
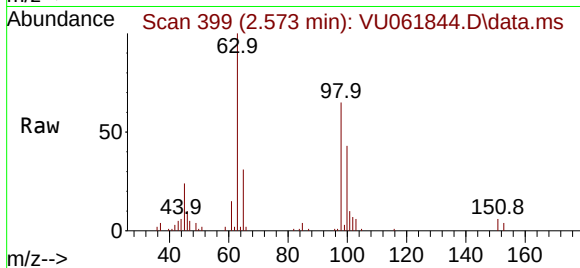




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.245 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU061844.D
Acq: 19 Nov 2024 05:05

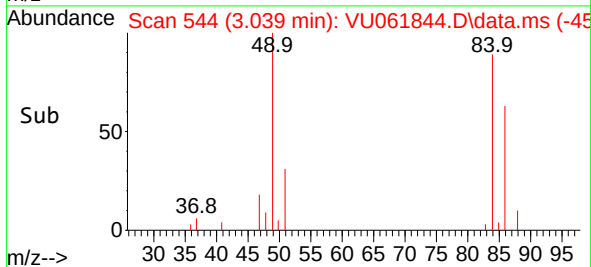
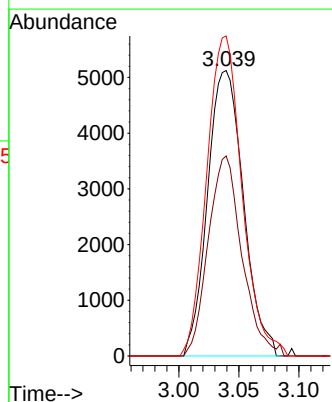
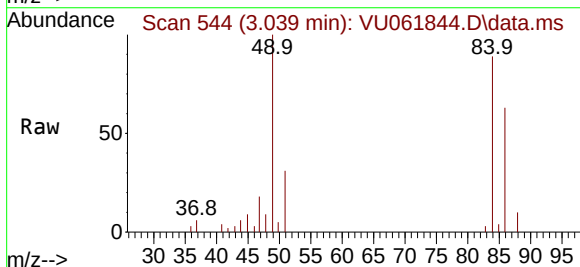
Instrument :
MSVOA_U
ClientSampleId :

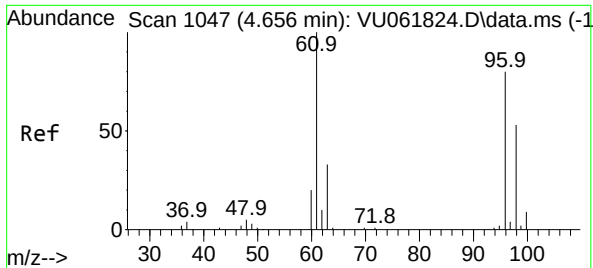
Tgt Ion:101 Resp: 2604
Ion Ratio Lower Upper
101 100
85 33.2 35.1 52.7#
151 57.7 56.9 85.3



#16
Methylene chloride
Concen: 0.933 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.004 min
Lab File: VU061844.D
Acq: 19 Nov 2024 05:05

Tgt Ion: 84 Resp: 10681
Ion Ratio Lower Upper
84 100
86 70.1 45.1 83.7
49 117.8 76.3 141.7

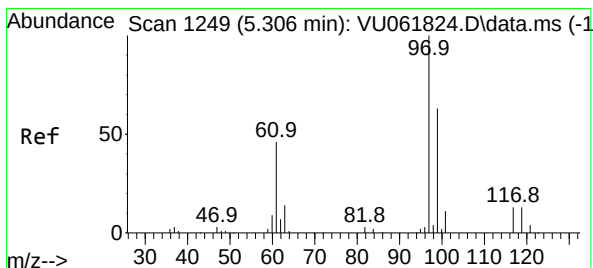
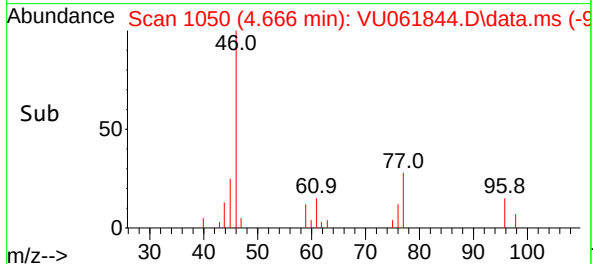
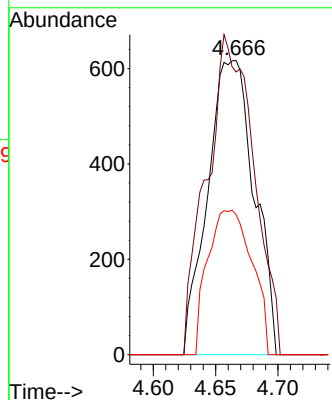
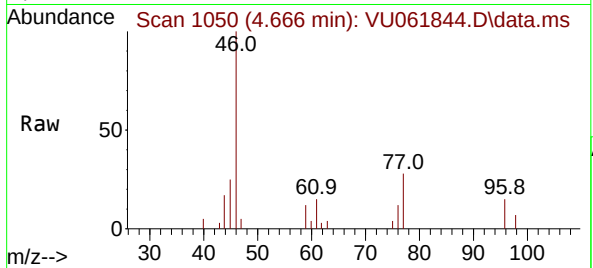




#22
 cis-1,2-Dichloroethene
 Concen: 0.131 ug/L
 RT: 4.666 min Scan# 1050
 Delta R.T. 0.010 min
 Lab File: VU061844.D
 Acq: 19 Nov 2024 05:05

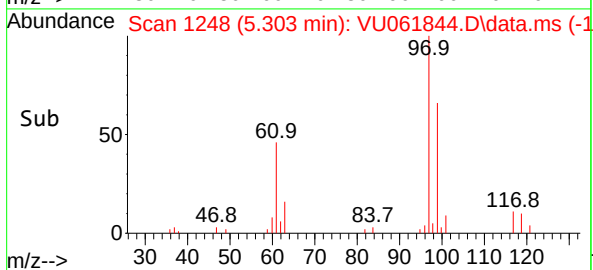
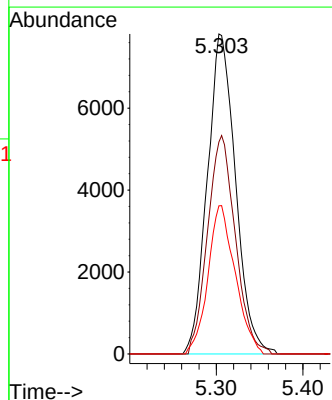
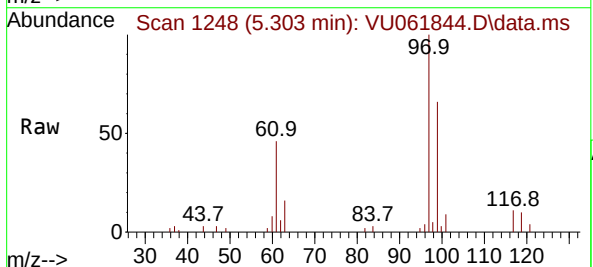
Instrument :
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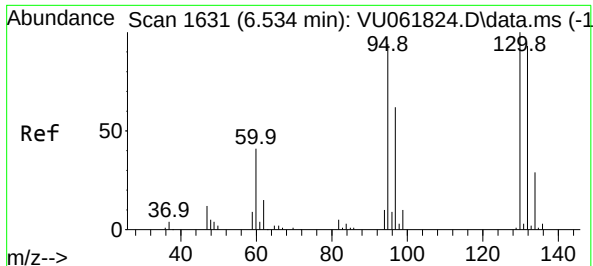
Tgt Ion: 96 Resp: 1610
 Ion Ratio Lower Upper
 96 100
 61 96.1 85.6 159.0
 98 47.6 45.6 84.8



#29
 1,1,1-Trichloroethane
 Concen: 1.000 ug/L
 RT: 5.303 min Scan# 1248
 Delta R.T. -0.003 min
 Lab File: VU061844.D
 Acq: 19 Nov 2024 05:05

Tgt Ion: 97 Resp: 17695
 Ion Ratio Lower Upper
 97 100
 99 67.3 51.7 77.5
 61 44.8 35.4 53.0



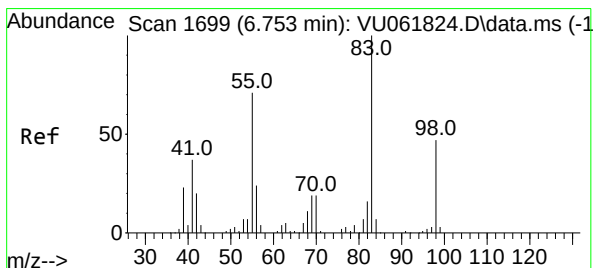
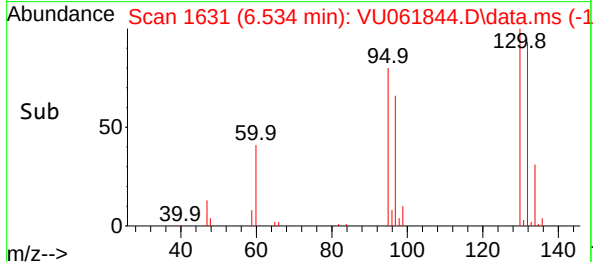
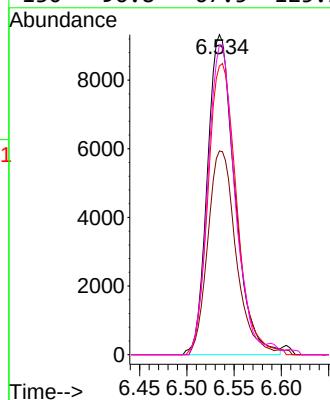
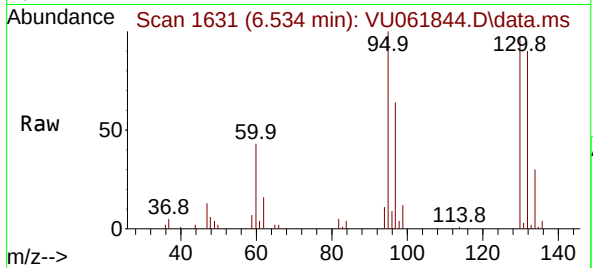


#34
Trichloroethene
Concen: 1.478 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU061844.D
Acq: 19 Nov 2024 05:05

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 18792

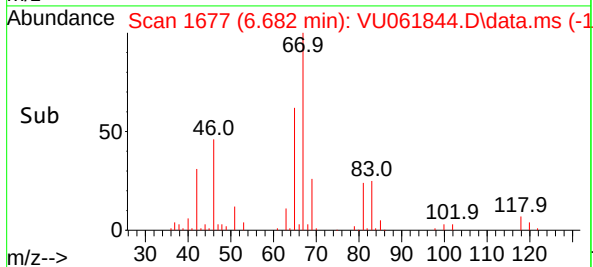
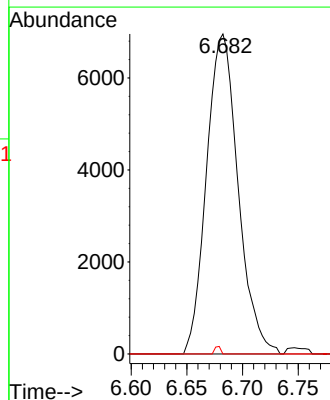
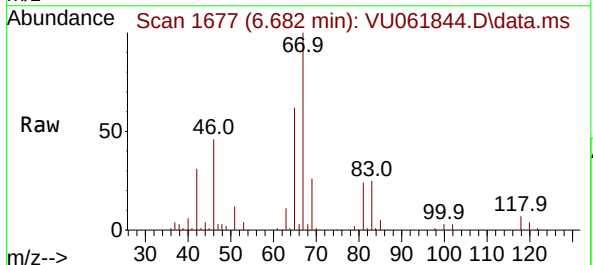
Ion	Ratio	Lower	Upper
95	100		
97	63.7	43.5	80.9
132	90.2	65.2	121.0
130	96.8	67.5	125.3

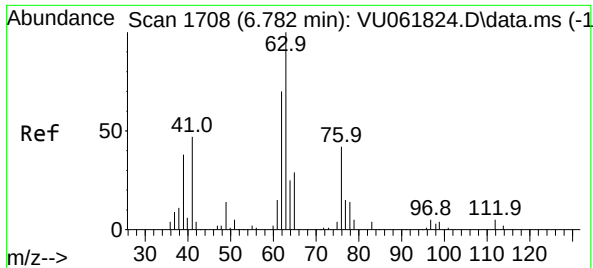


#35
Methylcyclohexane
Concen: 0.717 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.070 min
Lab File: VU061844.D
Acq: 19 Nov 2024 05:05

Tgt Ion: 83 Resp: 13736

Ion	Ratio	Lower	Upper
83	100		
55	0.0	56.4	84.6#
98	0.4	37.7	56.5#

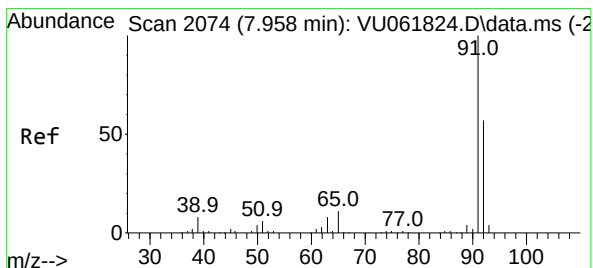
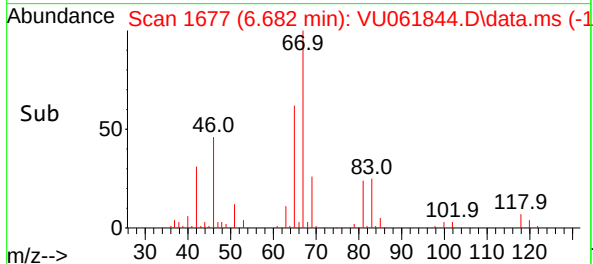
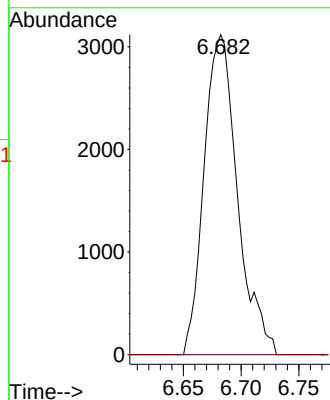
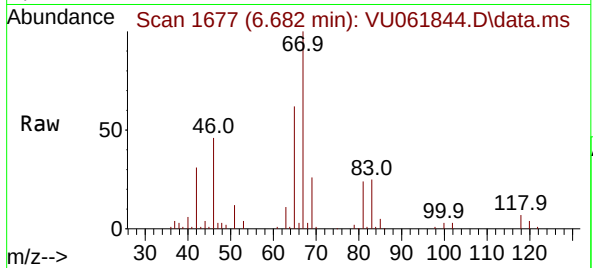




#37
1,2-Dichloropropane
Concen: 0.526 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.099 min
Lab File: VU061844.D
Acq: 19 Nov 2024 05:05

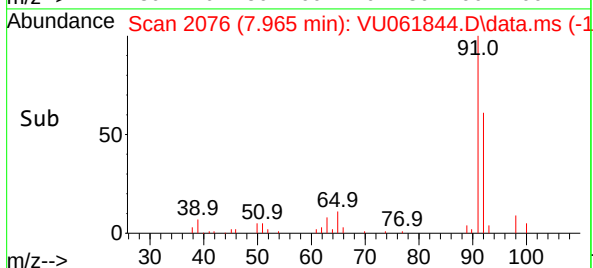
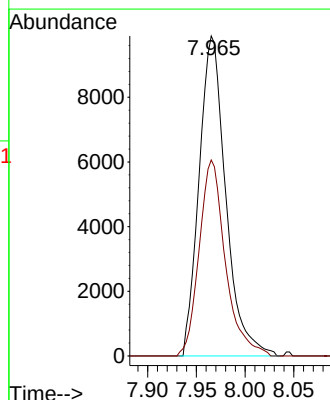
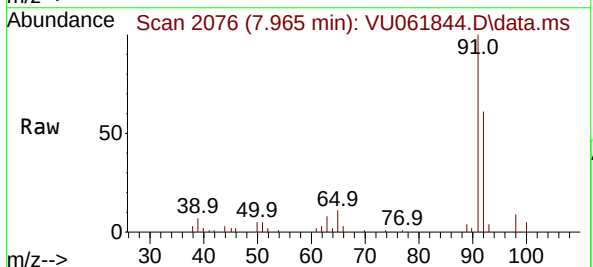
Instrument :
MSVOA_U
ClientSampleId :

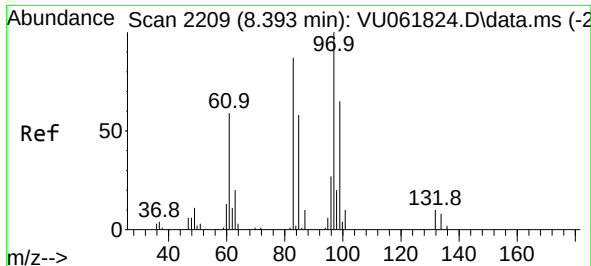
Tgt Ion: 63 Resp: 6281
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



#42
Toluene
Concen: 0.372 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.007 min
Lab File: VU061844.D
Acq: 19 Nov 2024 05:05

Tgt Ion: 91 Resp: 18857
Ion Ratio Lower Upper
91 100
92 61.2 39.7 73.7





#45

1,1,2-Trichloroethane

Concen: 0.223 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.151 min

Lab File: VU061844.D

Acq: 19 Nov 2024 05:05

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 1938

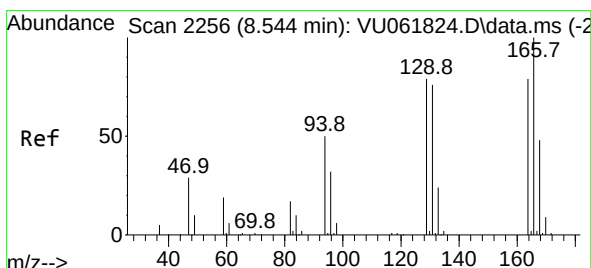
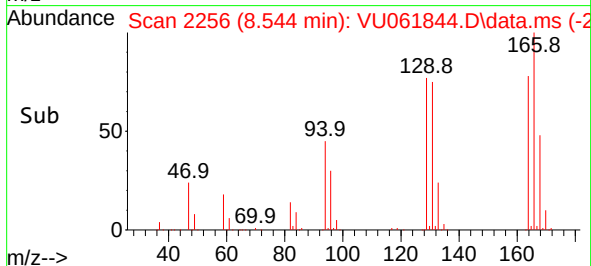
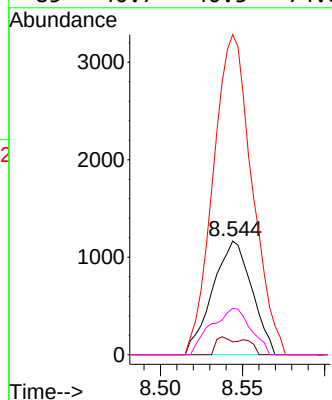
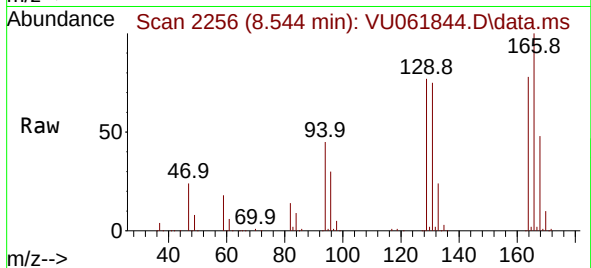
Ion Ratio Lower Upper

97 100

99 11.3 43.8 81.3#

83 281.6 63.2 117.4#

85 40.7 40.3 74.8



#47

Tetrachloroethene

Concen: 24.042 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU061844.D

Acq: 19 Nov 2024 05:05

Tgt Ion:164 Resp: 229626

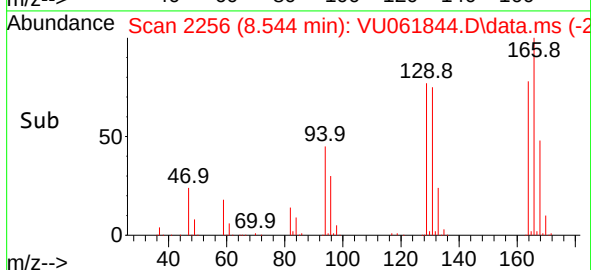
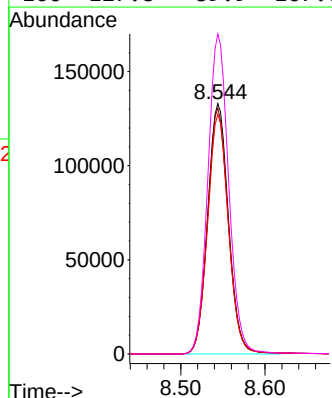
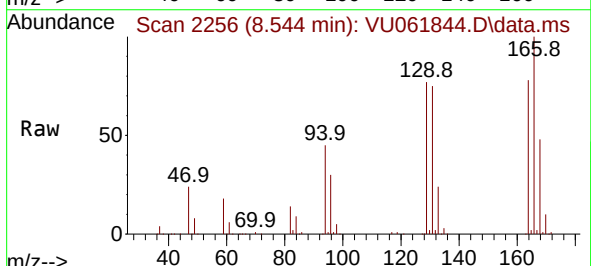
Ion Ratio Lower Upper

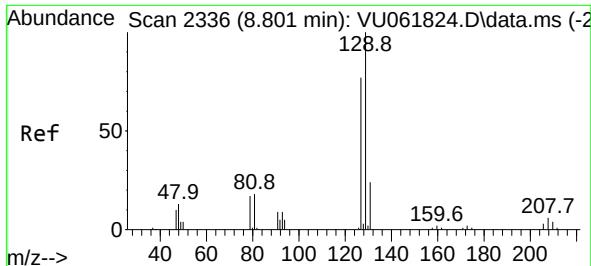
164 100

129 98.2 71.7 133.3

131 95.7 68.2 126.6

166 127.8 89.9 167.0





#49

Dibromochloromethane

Concen: 24.174 ug/L

RT: 8.544 min Scan# 21

Delta R.T. -0.257 min MSVOA_U

Lab File: VU061844.D

Acq: 19 Nov 2024 05:05

Instrument :

MSVOA_U

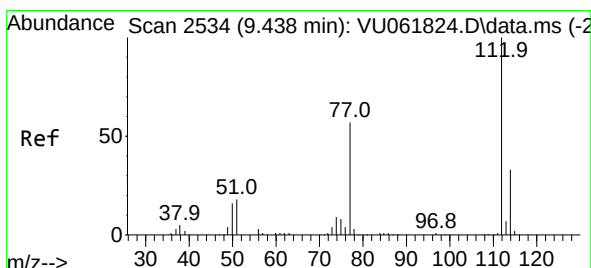
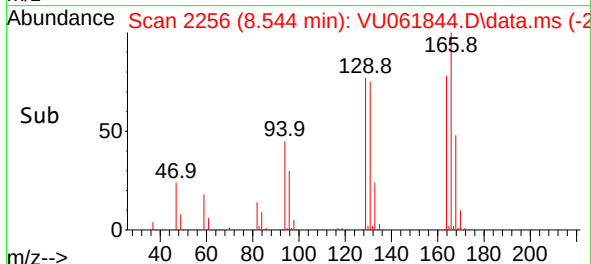
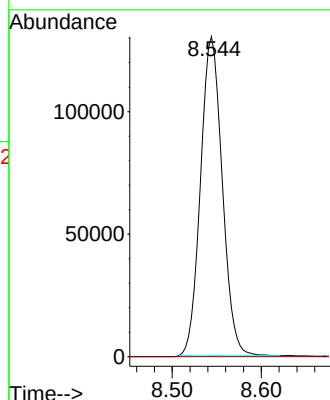
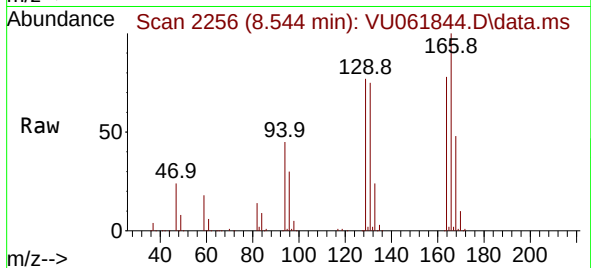
ClientSampleId :

Tgt Ion:129 Resp: 220669

Ion Ratio Lower Upper

129 100

127 0.1 55.1 102.3#



#51

Chlorobenzene

Concen: 0.212 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. 0.000 min

Lab File: VU061844.D

Acq: 19 Nov 2024 05:05

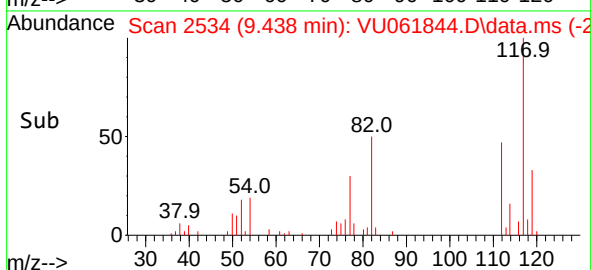
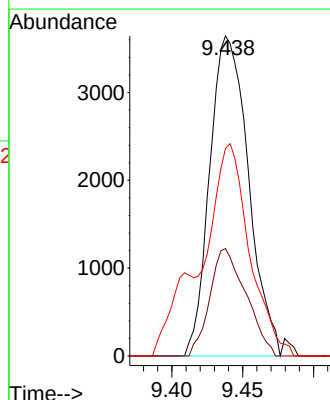
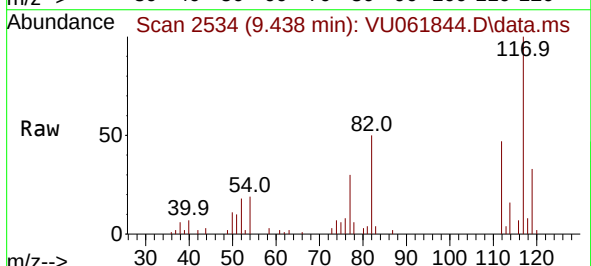
Tgt Ion:112 Resp: 6927

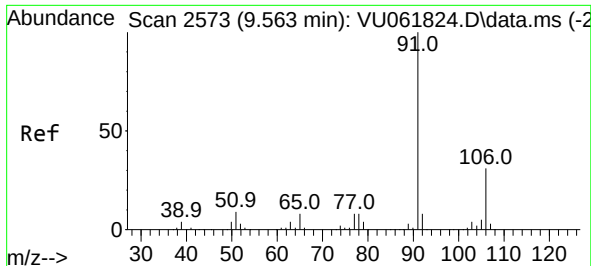
Ion Ratio Lower Upper

112 100

114 33.5 22.5 41.9

77 64.9 45.3 67.9





#52

Ethylbenzene

Concen: 0.088 ug/L

RT: 9.566 min Scan# 21

Delta R.T. 0.004 min

Lab File: VU061844.D

Acq: 19 Nov 2024 05:05

Instrument :

MSVOA_U

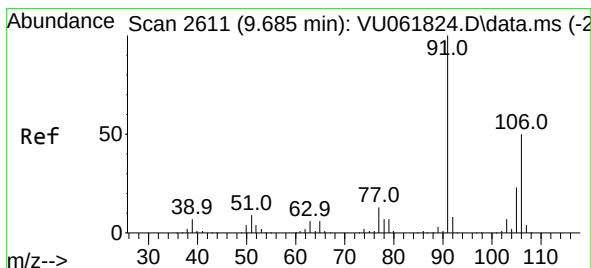
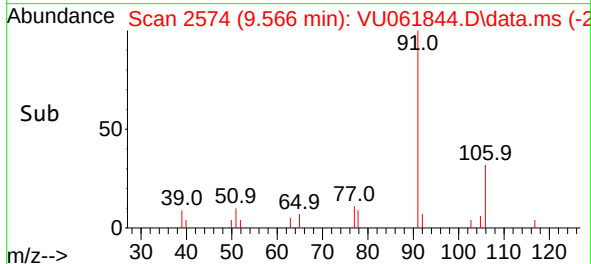
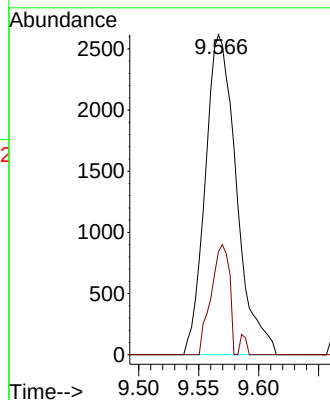
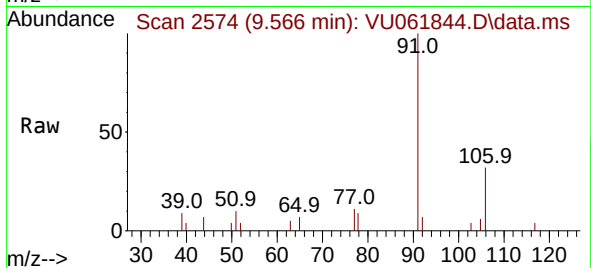
ClientSampleId :

Tgt Ion: 91 Resp: 4734

Ion Ratio Lower Upper

91 100

106 32.2 21.7 40.3



#53

m,p-Xylene

Concen: 0.155 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. 0.004 min

Lab File: VU061844.D

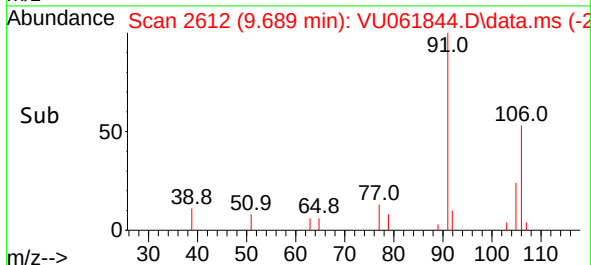
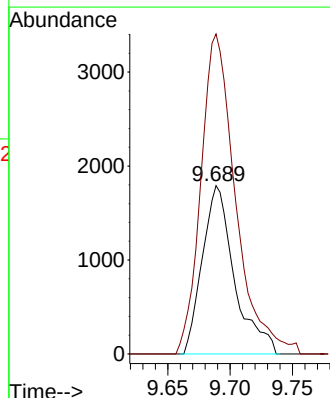
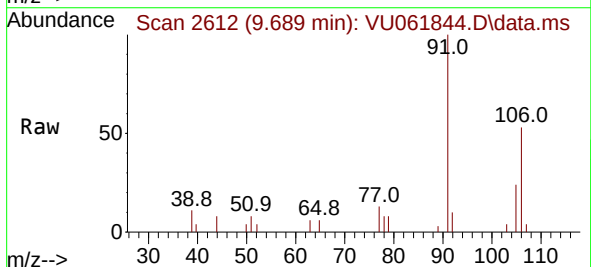
Acq: 19 Nov 2024 05:05

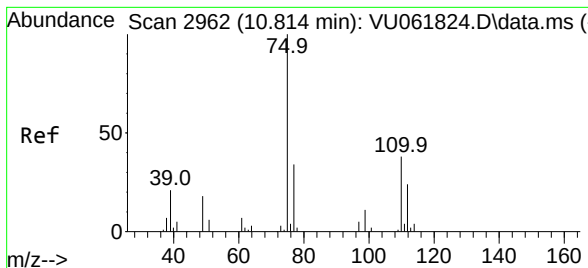
Tgt Ion:106 Resp: 3201

Ion Ratio Lower Upper

106 100

91 190.2 140.4 260.8





#61

1,2,3-Trichloropropane

Concen: 1.250 ug/L

RT: 11.801 min Scan# 31

Delta R.T. 0.987 min

Lab File: VU061844.D

Acq: 19 Nov 2024 05:05

Instrument :

MSVOA_U

ClientSampleId :

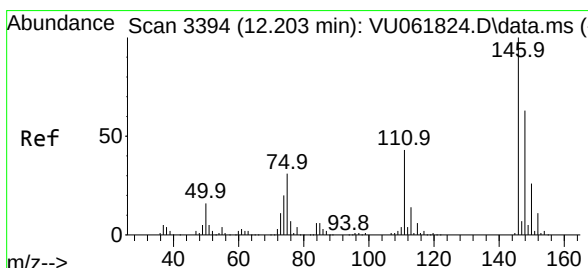
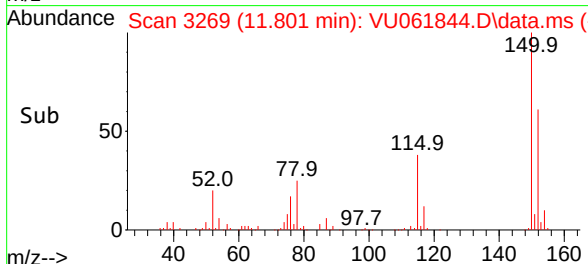
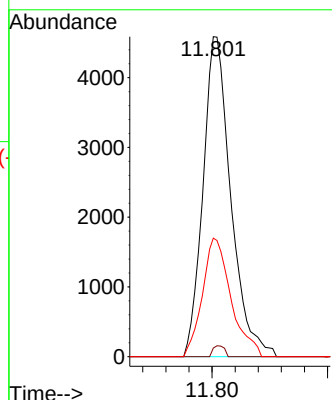
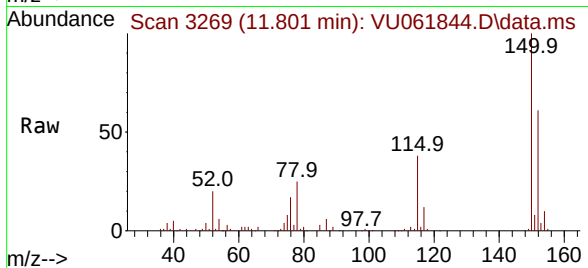
Tgt Ion: 75 Resp: 7669

Ion Ratio Lower Upper

75 100

110 1.4 31.3 46.9#

77 38.1 26.0 39.0



#67

1,2-Dichlorobenzene

Concen: 0.136 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.004 min

Lab File: VU061844.D

Acq: 19 Nov 2024 05:05

Tgt Ion:146 Resp: 2612

Ion Ratio Lower Upper

146 100

111 38.2 35.2 52.8

148 64.9 52.6 79.0

