

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112124\
 Data File : VU061915.D
 Acq On : 21 Nov 2024 14:09
 Operator : MD/SY
 Sample : P4885-08DL 5X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 23:08:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR112024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 21 23:06:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	166657	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	159040	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	75661	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	47661	5.830	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	116.600%
7) Chloroethane-d5	1.904	69	40407	5.588	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.800%
11) 1,1-Dichloroethene-d2	2.560	65	20645	6.321	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	126.400%#
20) 2-Butanone-d5	4.612	46	111933	43.603	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.200%
24) Chloroform-d	5.052	84	96320	4.830	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.695	65	51493	5.017	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
32) Benzene-d6	5.718	84	182949	5.904	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	118.000%
36) 1,2-Dichloropropane-d6	6.682	67	68476	6.504	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	130.000%
41) Toluene-d8	7.891	98	149725	5.793	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.800%
43) trans-1,3-Dichloroprop...	8.174	79	19699	5.054	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.000%
46) 2-Hexanone-d5	8.624	63	71597	40.243	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.480%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	53356	5.071	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	50243	4.491	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.800%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	3365	0.280	ug/L	96
13) Acetone	2.621	43	9717	5.482	ug/L	95
16) Methylene chloride	3.036	84	8062	0.601	ug/L	99
29) 1,1,1-Trichloroethane	5.306	97	23449	1.279	ug/L	99
31) Carbon tetrachloride	5.303	117	2853	0.183	ug/L	99
34) Trichloroethene	6.538	95	4841	0.378	ug/L	95
35) Methylcyclohexane	6.682	83	15901	0.811	ug/L #	20
37) 1,2-Dichloropropane	6.682	63	7320	0.587	ug/L #	87
42) Toluene	7.965	91	17915	0.355	ug/L	98
47) Tetrachloroethene	8.544	164	45226	4.851	ug/L	97
49) Dibromochloromethane	8.544	129	46829	4.822	ug/L #	13
51) Chlorobenzene	9.441	112	8568	0.248	ug/L	96
52) Ethylbenzene	9.566	91	9404	0.156	ug/L	99
53) m,p-Xylene	9.689	106	6702	0.315	ug/L	94
61) 1,2,3-Trichloropropane	11.804	75	9530	1.090	ug/L #	69
67) 1,2-Dichlorobenzene	12.206	146	6428	0.282	ug/L	95

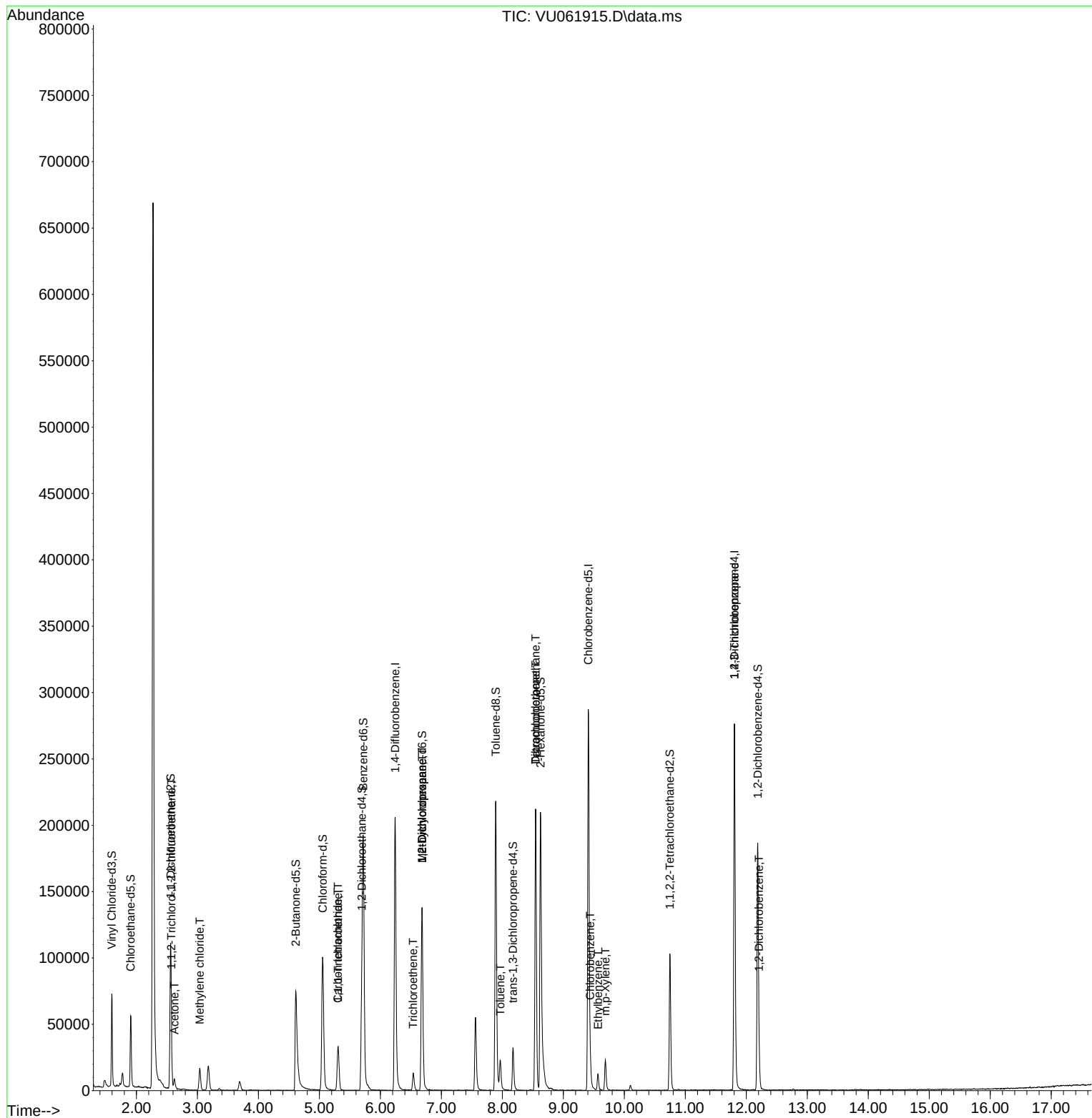
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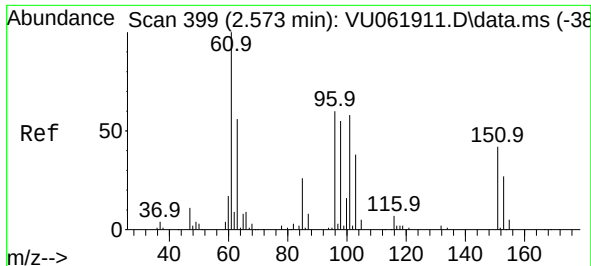
Instrument :
MSVOA_U
ClientSampleId :

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Quant Title : TRACE VOA SFAM1.0
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Response via : Initial Calibration

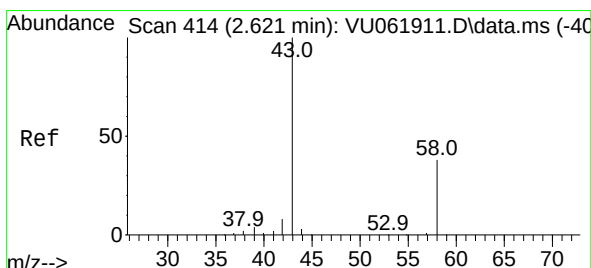
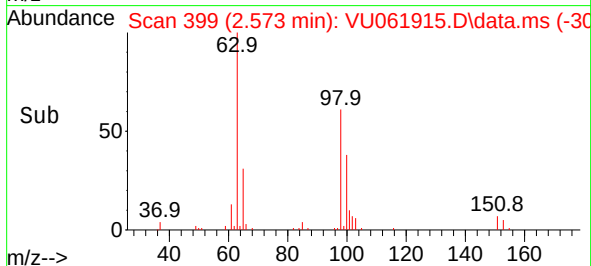
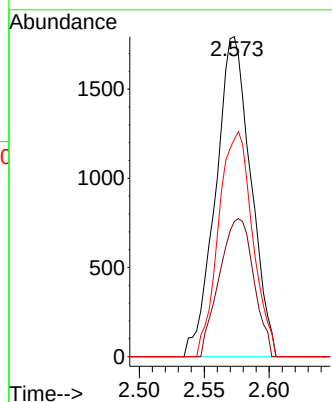
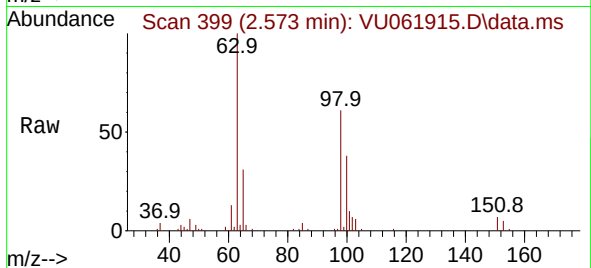




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.280 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU061915.D
Acq: 21 Nov 2024 14:09

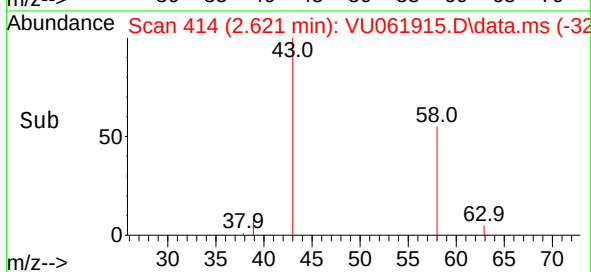
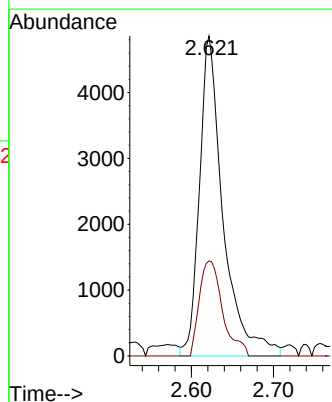
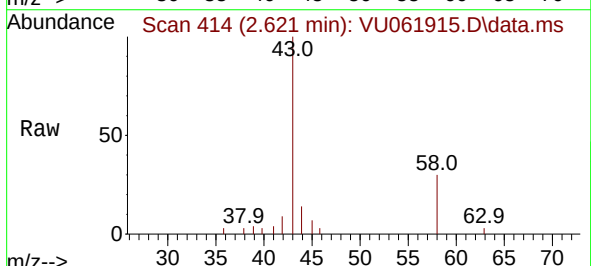
Instrument :
MSVOA_U
ClientSampleId :

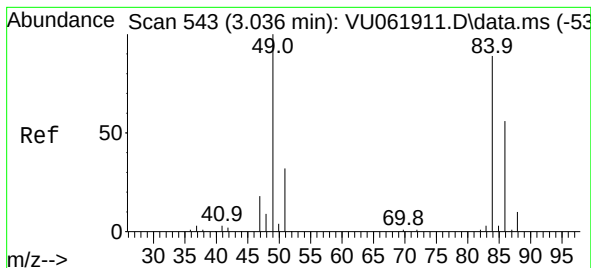
Tgt Ion:101 Resp: 3365
Ion Ratio Lower Upper
101 100
85 42.3 38.0 57.0
151 68.1 55.3 82.9



#13
Acetone
Concen: 5.482 ug/L
RT: 2.621 min Scan# 414
Delta R.T. 0.000 min
Lab File: VU061915.D
Acq: 21 Nov 2024 14:09

Tgt Ion: 43 Resp: 9717
Ion Ratio Lower Upper
43 100
58 29.2 0.0 64.0





#16

Methylene chloride

Concen: 0.601 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.000 min

Lab File: VU061915.D

Acq: 21 Nov 2024 14:09

Instrument :

MSVOA_U

ClientSampleId :

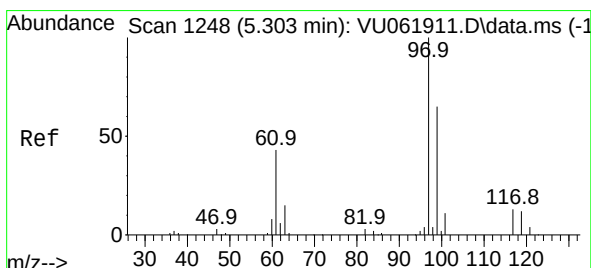
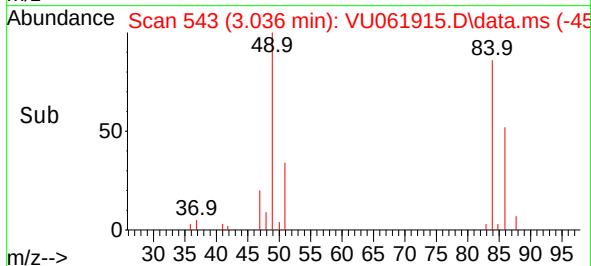
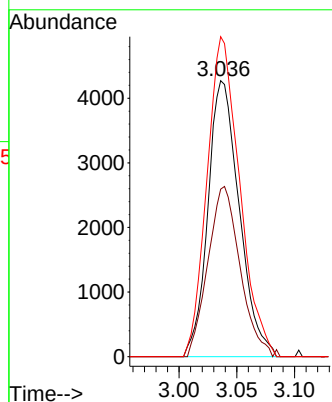
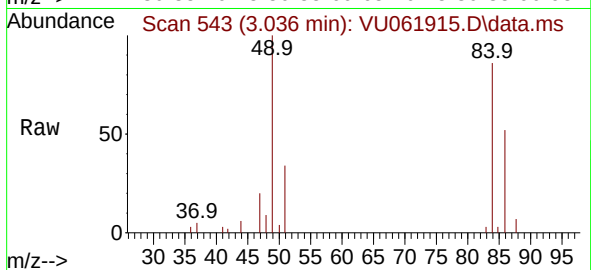
Tgt Ion: 84 Resp: 8062

Ion Ratio Lower Upper

84 100

86 60.7 43.5 80.7

49 115.9 81.9 152.1



#29

1,1,1-Trichloroethane

Concen: 1.279 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. 0.003 min

Lab File: VU061915.D

Acq: 21 Nov 2024 14:09

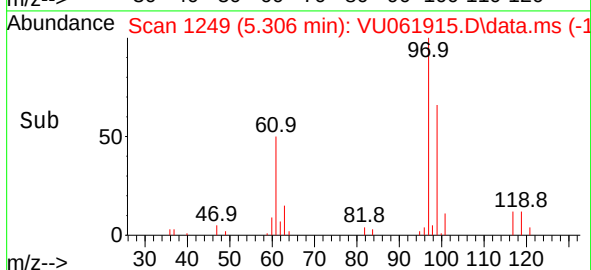
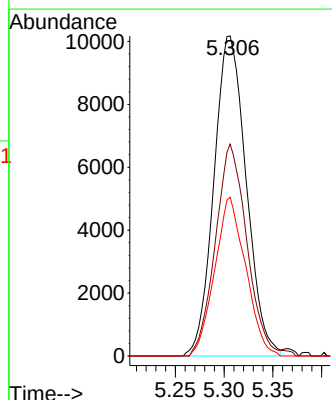
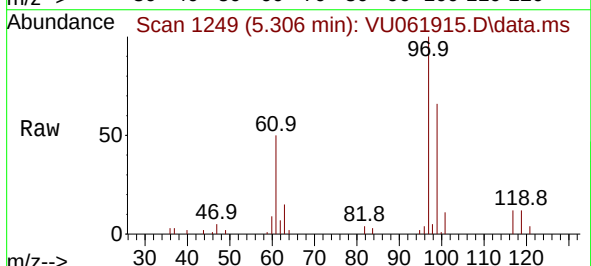
Tgt Ion: 97 Resp: 23449

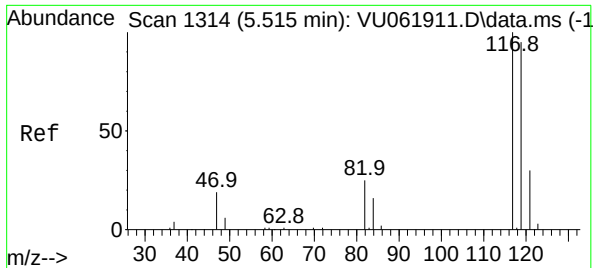
Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.2

61 47.5 37.8 56.6

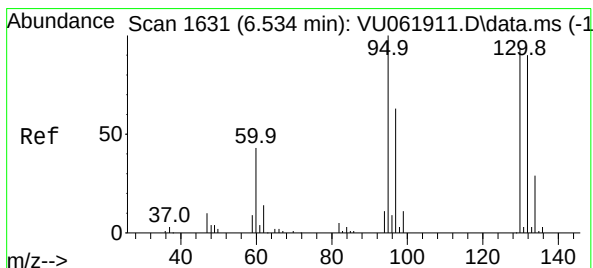
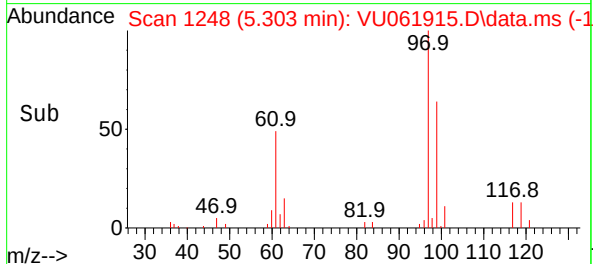
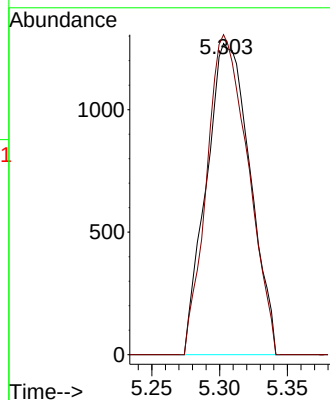
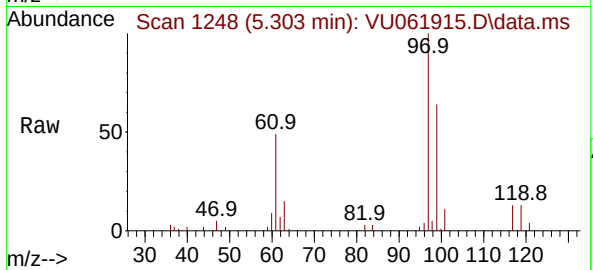




#31
Carbon tetrachloride
Concen: 0.183 ug/L
RT: 5.303 min Scan# 117
Delta R.T. -0.212 min
Lab File: VU061915.D
Acq: 21 Nov 2024 14:09

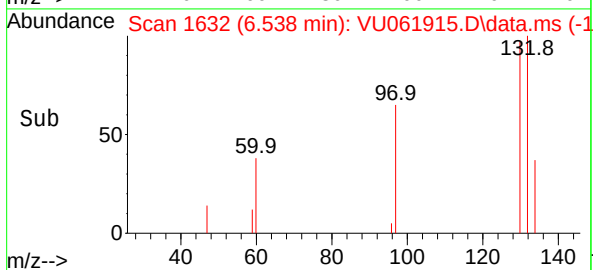
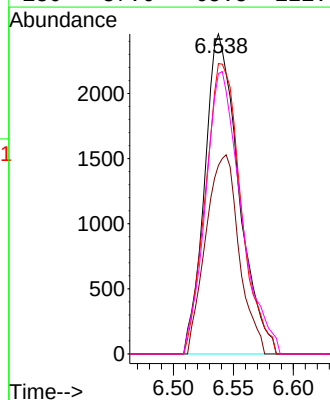
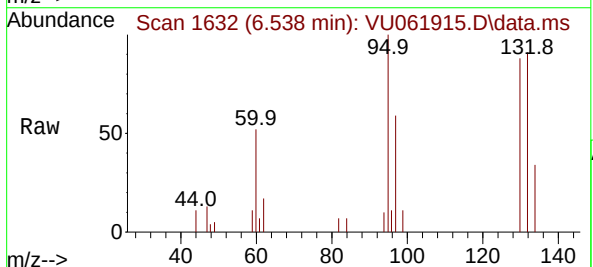
Instrument :
MSVOA_U
ClientSampleId :

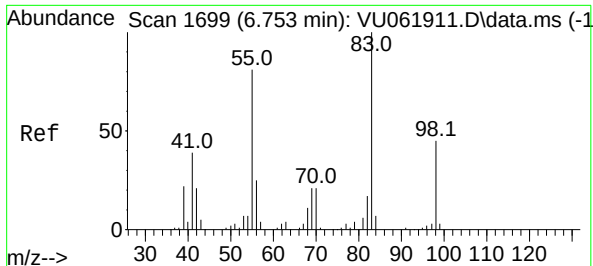
Tgt Ion:117 Resp: 2853
Ion Ratio Lower Upper
117 100
119 97.5 77.5 116.3



#34
Trichloroethene
Concen: 0.378 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. 0.003 min
Lab File: VU061915.D
Acq: 21 Nov 2024 14:09

Tgt Ion: 95 Resp: 4841
Ion Ratio Lower Upper
95 100
97 58.9 45.9 85.3
132 90.8 63.8 118.4
130 87.6 65.5 121.7

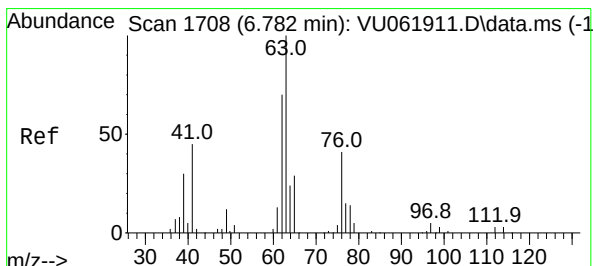
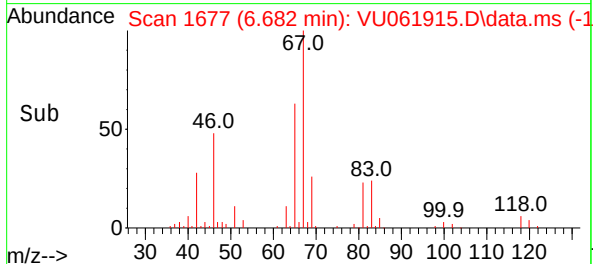
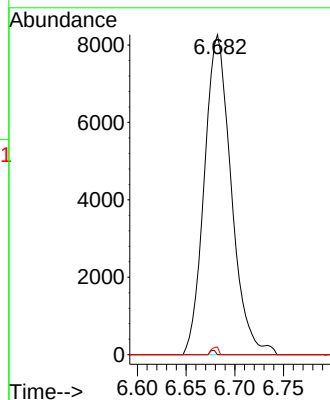
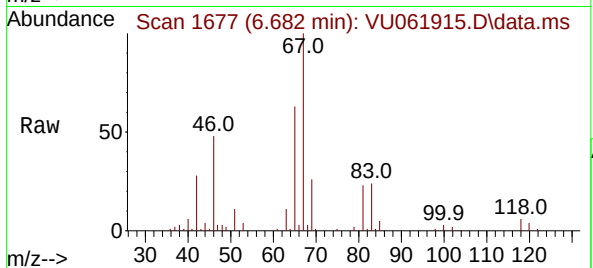




#35
Methylcyclohexane
Concen: 0.811 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.071 min
Lab File: VU061915.D
Acq: 21 Nov 2024 14:09

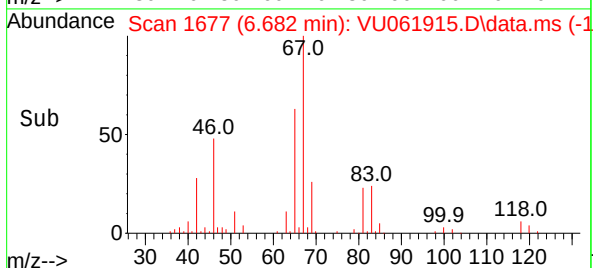
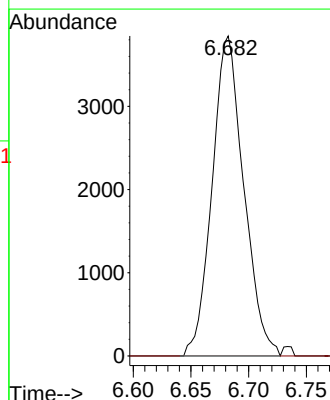
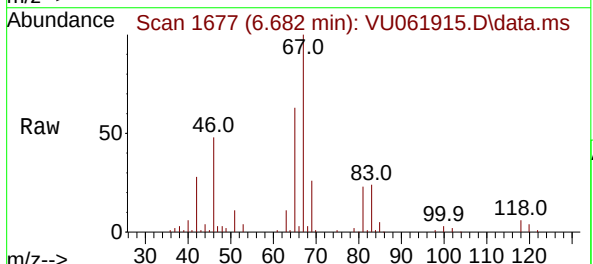
Instrument :
MSVOA_U
ClientSampleId :

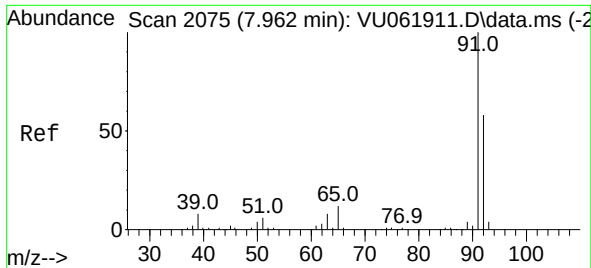
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.3	60.7	91.1#
98	0.6	34.8	52.2#



#37
1,2-Dichloropropane
Concen: 0.587 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.100 min
Lab File: VU061915.D
Acq: 21 Nov 2024 14:09

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.4	5.0#





#42

Toluene

Concen: 0.355 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU061915.D

Acq: 21 Nov 2024 14:09

Instrument :

MSVOA_U

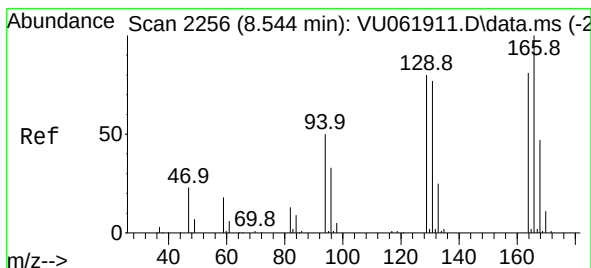
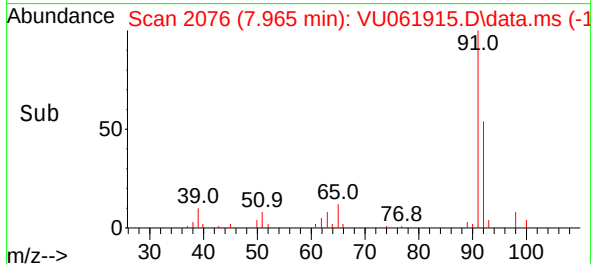
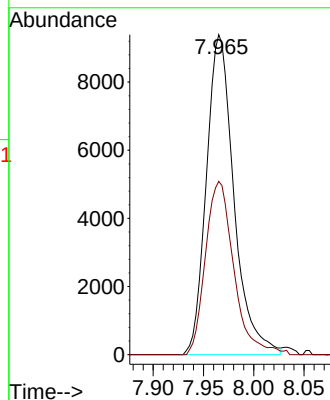
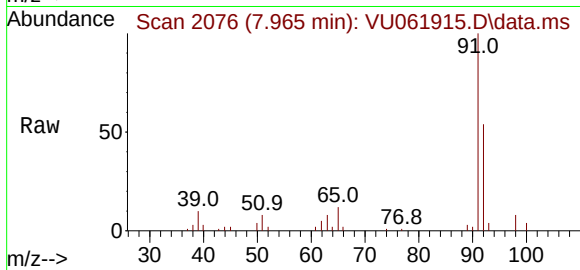
ClientSampleId :

Tgt Ion: 91 Resp: 17915

Ion Ratio Lower Upper

91 100

92 54.1 39.0 72.4



#47

Tetrachloroethene

Concen: 4.851 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU061915.D

Acq: 21 Nov 2024 14:09

Tgt Ion: 164 Resp: 45226

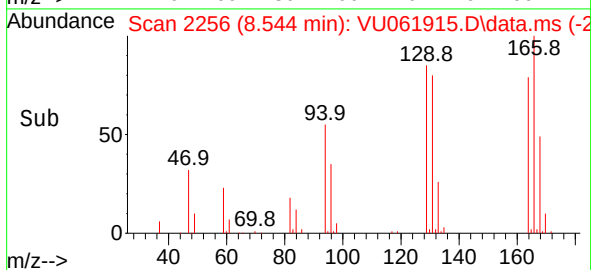
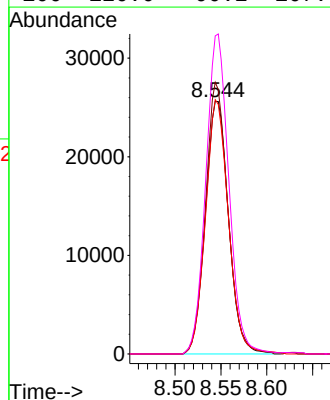
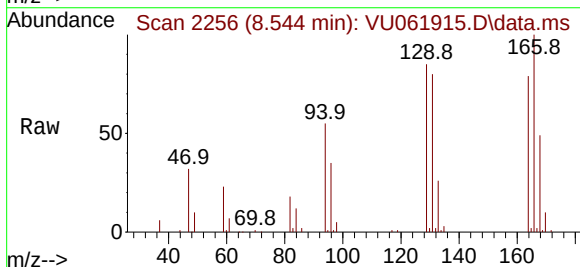
Ion Ratio Lower Upper

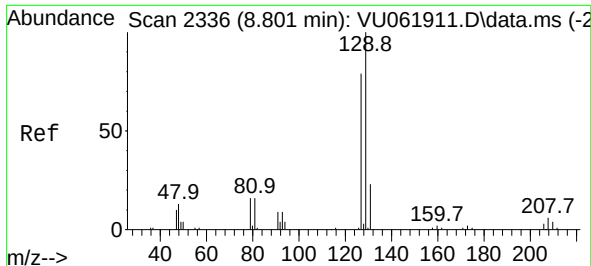
164 100

129 107.6 73.2 136.0

131 100.7 72.3 134.3

166 126.0 90.2 167.4





#49

Dibromochloromethane

Concen: 4.822 ug/L

RT: 8.544 min Scan# 21

Delta R.T. -0.257 min MSVOA_U

Lab File: VU061915.D

Acq: 21 Nov 2024 14:09

Instrument :

MSVOA_U

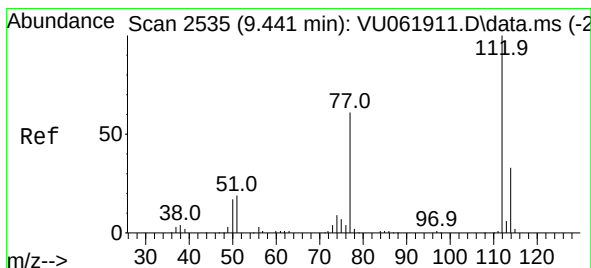
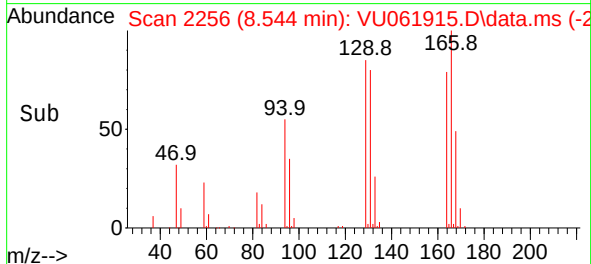
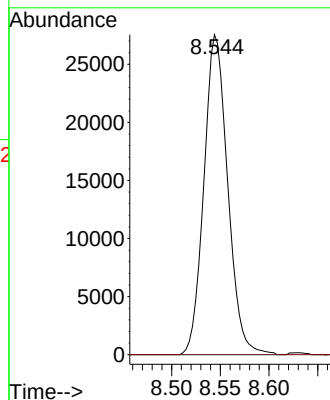
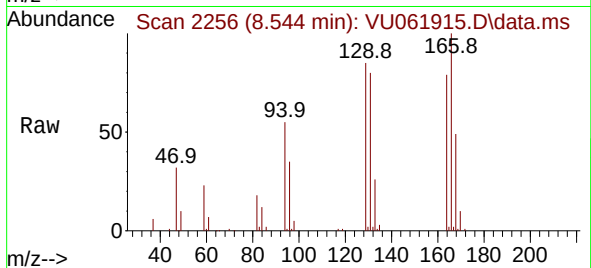
ClientSampleId :

Tgt Ion:129 Resp: 46829

Ion Ratio Lower Upper

129 100

127 0.0 51.1 94.9#



#51

Chlorobenzene

Concen: 0.248 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU061915.D

Acq: 21 Nov 2024 14:09

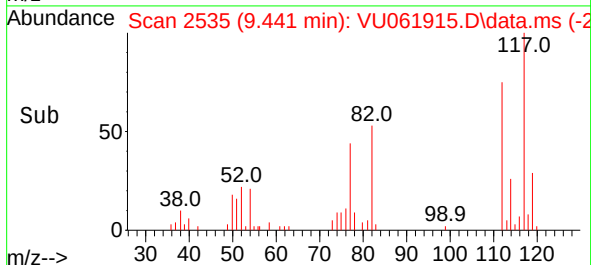
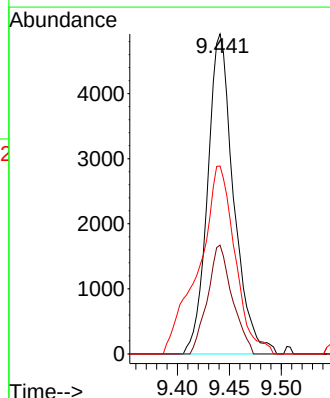
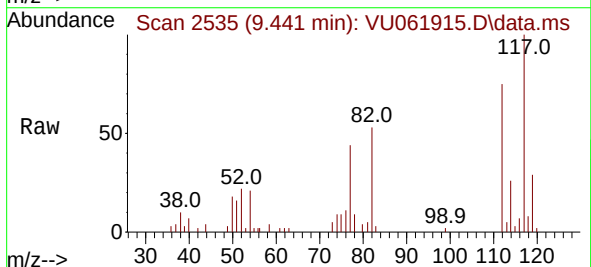
Tgt Ion:112 Resp: 8568

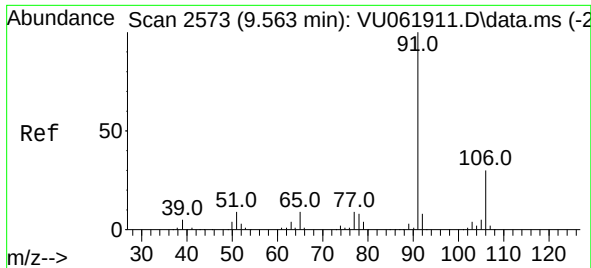
Ion Ratio Lower Upper

112 100

114 34.0 23.0 42.6

77 58.7 50.5 75.7

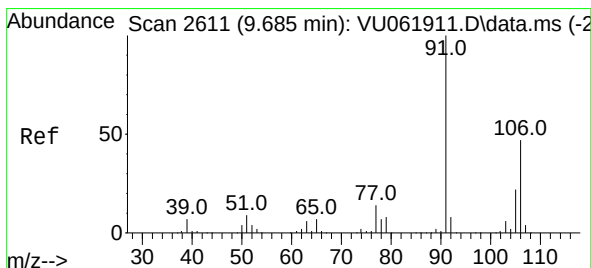
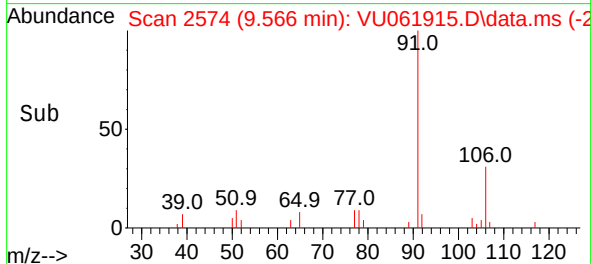
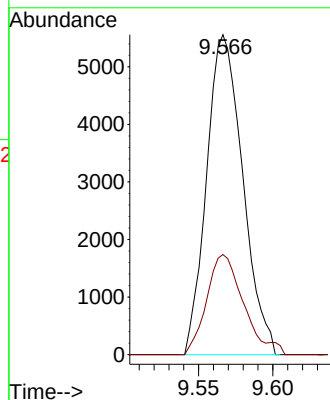
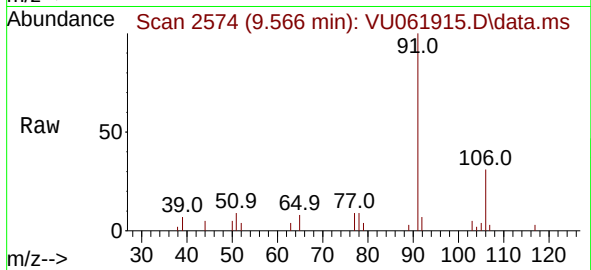




#52
Ethylbenzene
Concen: 0.156 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU061915.D
Acq: 21 Nov 2024 14:09

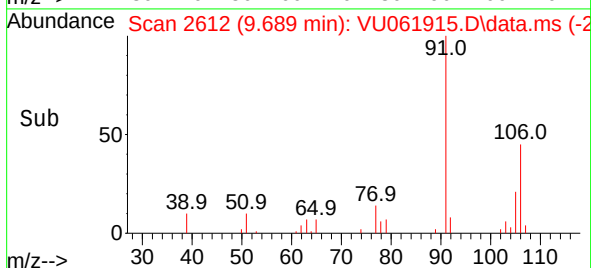
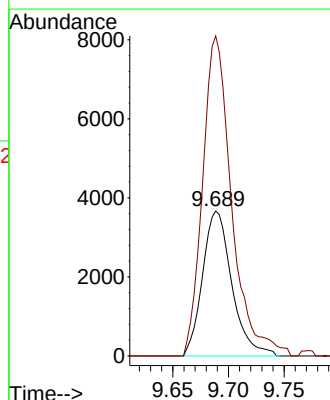
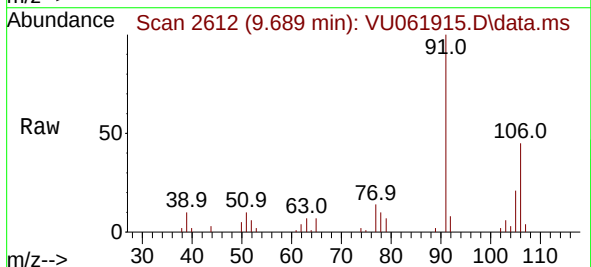
Instrument :
MSVOA_U
ClientSampleId :

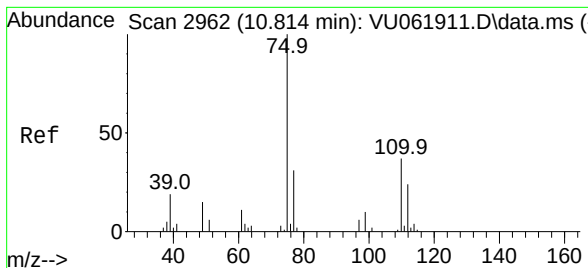
Tgt Ion: 91 Resp: 9404
Ion Ratio Lower Upper
91 100
106 31.3 21.6 40.0



#53
m,p-Xylene
Concen: 0.315 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU061915.D
Acq: 21 Nov 2024 14:09

Tgt Ion:106 Resp: 6702
Ion Ratio Lower Upper
106 100
91 220.7 147.6 274.0





#61

1,2,3-Trichloropropane

Concen: 1.090 ug/L

RT: 11.804 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU061915.D

Acq: 21 Nov 2024 14:09

Instrument :

MSVOA_U

ClientSampleId :

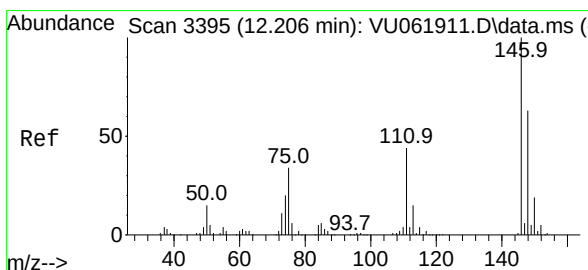
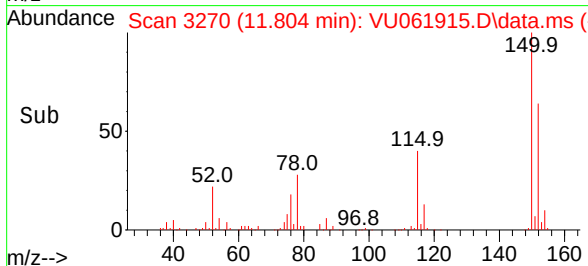
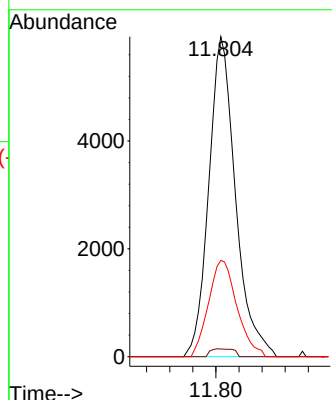
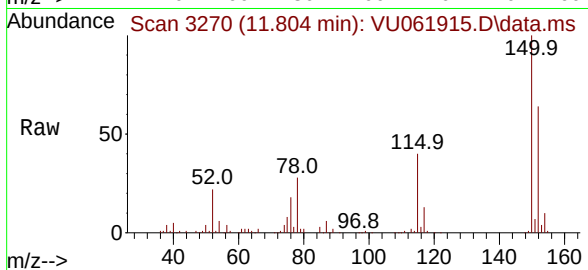
Tgt Ion: 75 Resp: 9530

Ion Ratio Lower Upper

75 100

110 2.1 28.9 43.3#

77 32.1 26.5 39.7



#67

1,2-Dichlorobenzene

Concen: 0.282 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU061915.D

Acq: 21 Nov 2024 14:09

Tgt Ion:146 Resp: 6428

Ion Ratio Lower Upper

146 100

111 48.7 36.0 54.0

148 62.2 52.3 78.5

