

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122024\
 Data File : VU062536.D
 Acq On : 20 Dec 2024 19:56
 Operator : MD/SY
 Sample : P5345-16
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 20 22:38:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 20 22:32:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	98078	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	92982	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	44375	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	33067	4.998	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.000%
7) Chloroethane-d5	1.908	69	18135	3.854	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.000%
11) 1,1-Dichloroethene-d2	2.560	65	12269	3.898	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.000%
20) 2-Butanone-d5	4.624	46	46635	36.783	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	73.560%
24) Chloroform-d	5.052	84	61191	4.274	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
26) 1,2-Dichloroethane-d4	5.692	65	33608	4.774	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	5.718	84	105364	3.934	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.600%
36) 1,2-Dichloropropane-d6	6.679	67	30124	3.931	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.600%
41) Toluene-d8	7.891	98	99121	3.918	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.400%
43) trans-1,3-Dichloroprop...	8.174	79	13394	3.971	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.400%
46) 2-Hexanone-d5	8.627	63	35597	34.984	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.960%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	22985	3.855	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.000%
66) 1,2-Dichlorobenzene-d4	12.184	152	36426	4.455	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.000%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	1173	0.163	ug/L	96
5) Vinyl chloride	1.599	62	1293933	172.579	ug/L	100
12) 1,1-Dichloroethene	2.570	96	1267	0.191	ug/L #	1
14) Carbon disulfide	2.785	76	6358	0.304	ug/L	97
16) Methylene chloride	3.033	84	1018	0.146	ug/L	83
17) Methyl tert-butyl Ether	3.358	73	5846	0.354	ug/L #	77
18) trans-1,2-Dichloroethene	3.348	96	5819	0.855	ug/L	90
22) cis-1,2-Dichloroethene	4.657	96	25704	3.370	ug/L	90
34) Trichloroethene	6.534	95	42897	5.256	ug/L	95
35) Methylcyclohexane	6.676	83	8490	0.702	ug/L #	20
37) 1,2-Dichloropropane	6.679	63	3988	0.568	ug/L #	87
47) Tetrachloroethene	8.547	164	11769	1.867	ug/L	97
49) Dibromochloromethane	8.544	129	13023	2.035	ug/L #	13
53) m,p-Xylene	9.689	106	1566	0.122	ug/L	88
54) o-Xylene	10.097	106	1734	0.139	ug/L	97
61) 1,2,3-Trichloropropane	11.804	75	4031	0.982	ug/L #	63
63) 1,2,4-Trimethylbenzene	11.463	105	2522	0.095	ug/L	96

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 20 22:32:26 2024
Response via : Initial Calibration

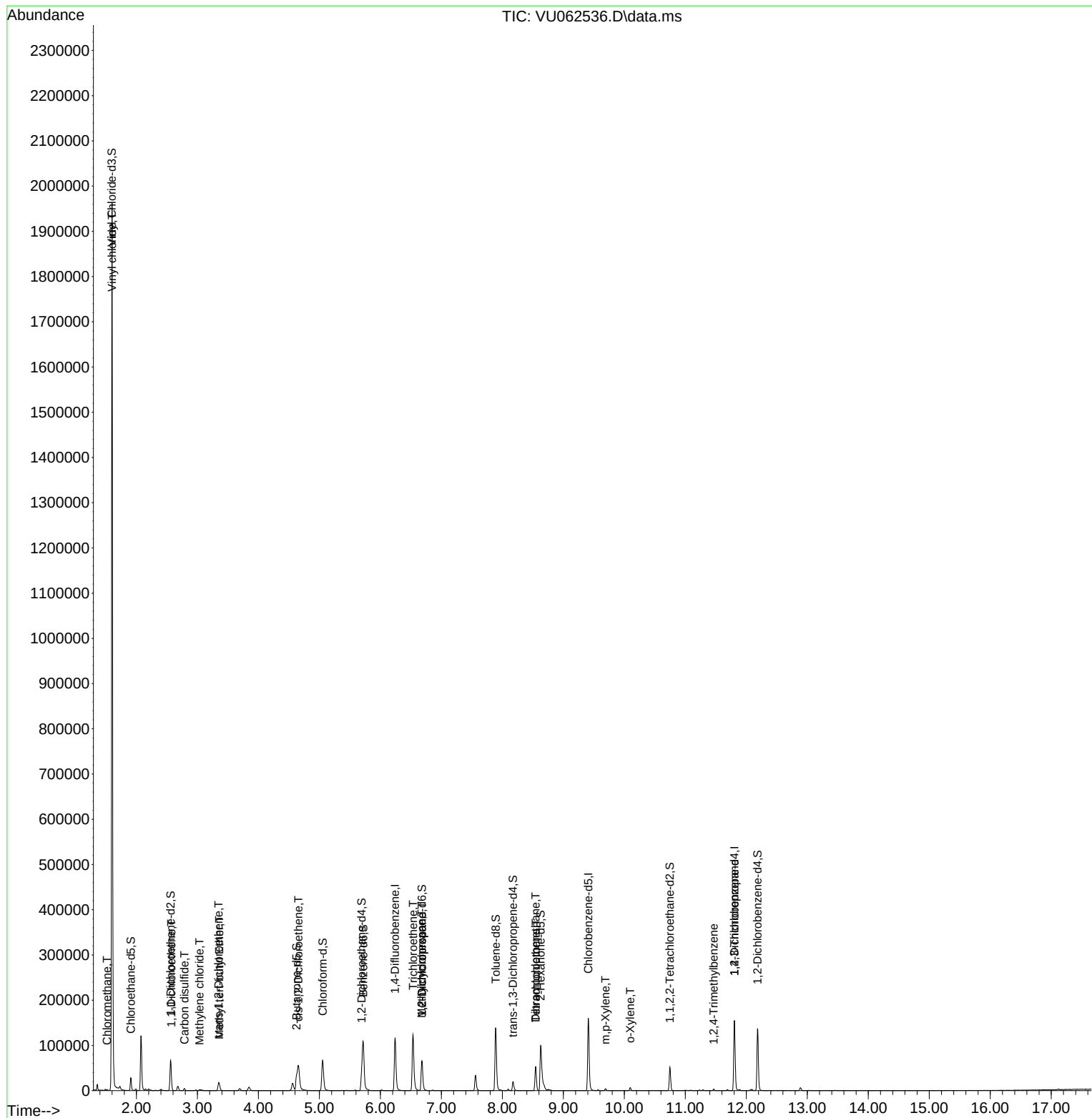
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

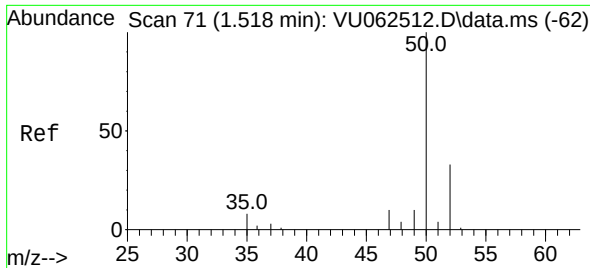
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#3

Chloromethane

Concen: 0.163 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.003 min

Lab File: VU062536.D

Acq: 20 Dec 2024 19:56

Instrument :

MSVOA_U

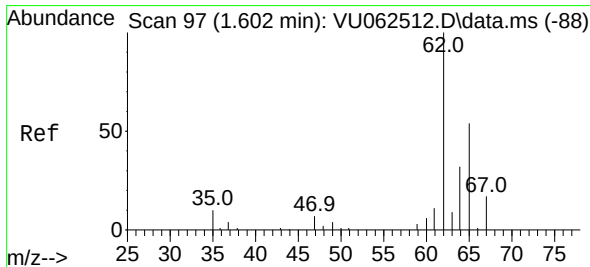
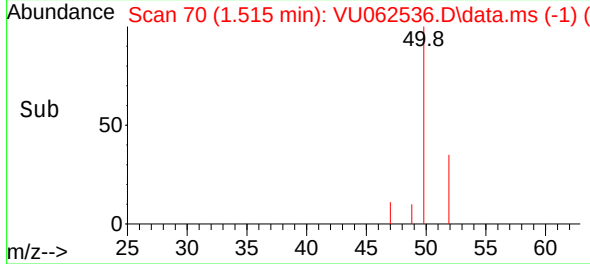
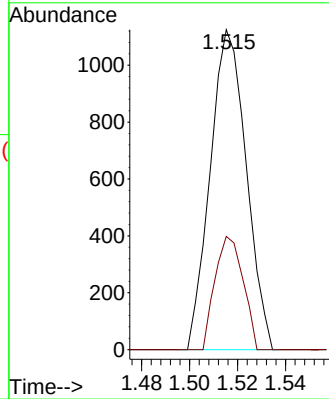
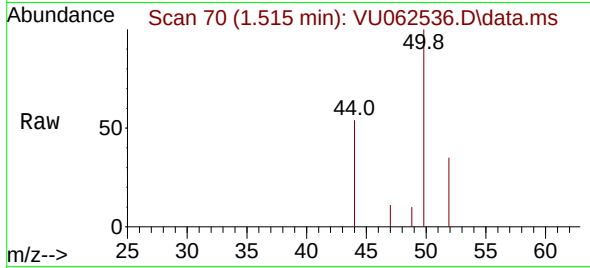
ClientSampleId :

Tgt Ion: 50 Resp: 1173

Ion Ratio Lower Upper

50 100

52 35.4 23.1 42.9



#5

Vinyl chloride

Concen: 172.579 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.003 min

Lab File: VU062536.D

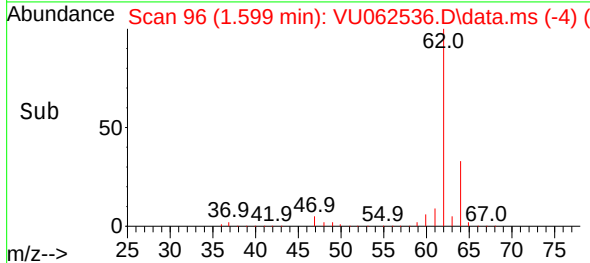
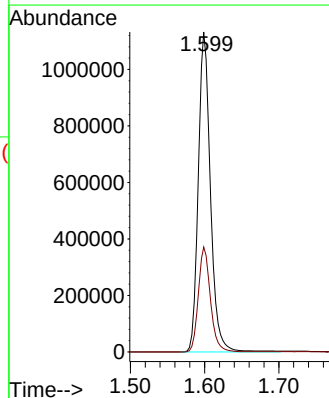
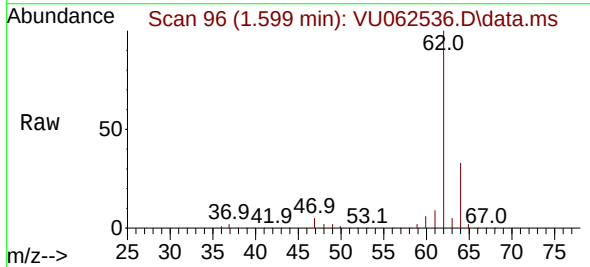
Acq: 20 Dec 2024 19:56

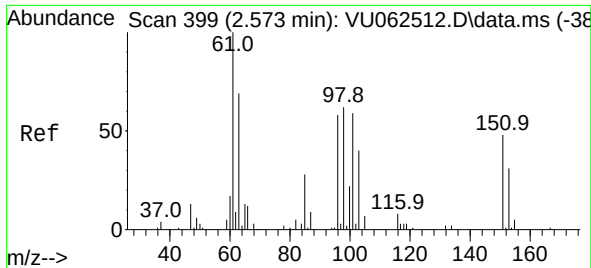
Tgt Ion: 62 Resp: 1293933

Ion Ratio Lower Upper

62 100

64 32.8 23.1 42.9





#12

1,1-Dichloroethene

Concen: 0.191 ug/L

RT: 2.570 min Scan# 399

Delta R.T. -0.003 min

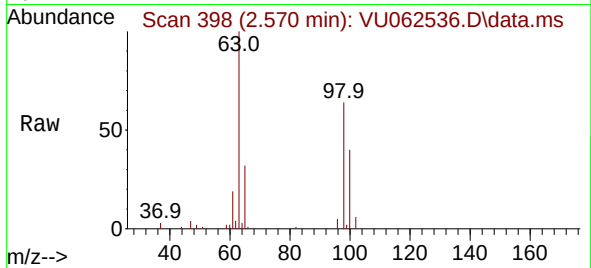
Lab File: VU062536.D

Acq: 20 Dec 2024 19:56

Instrument :

MSVOA_U

ClientSampleId :



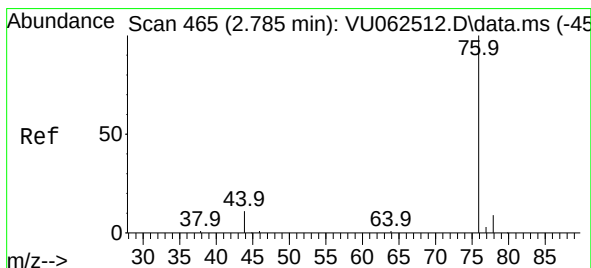
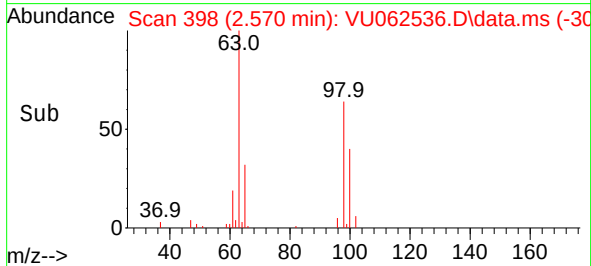
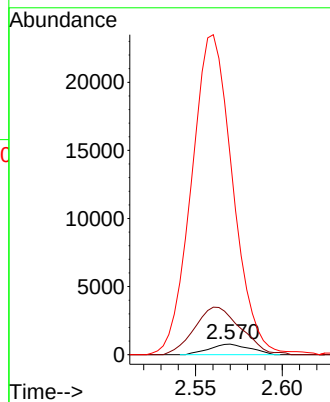
Tgt Ion: 96 Resp: 1267

Ion Ratio Lower Upper

96 100

61 356.1 119.6 222.2#

63 1891.6 65.0 120.6#



#14

Carbon disulfide

Concen: 0.304 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU062536.D

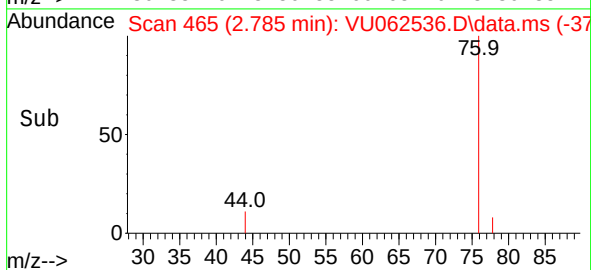
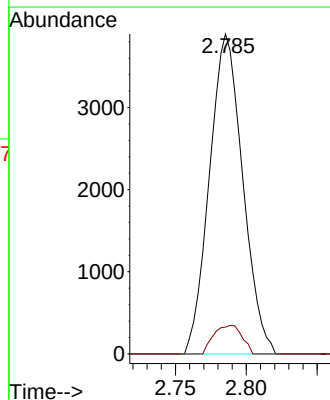
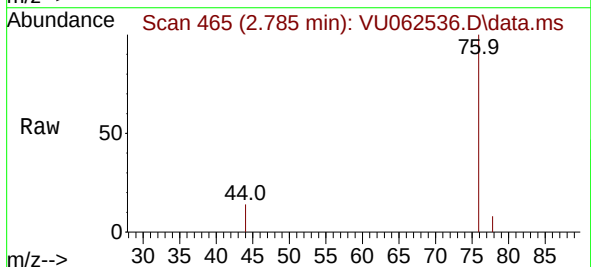
Acq: 20 Dec 2024 19:56

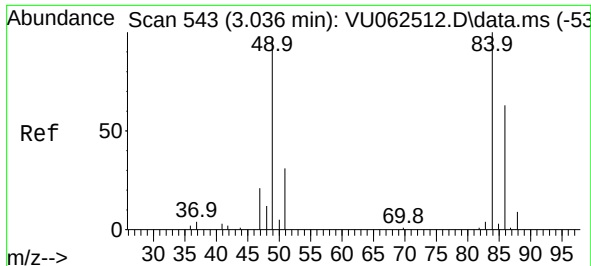
Tgt Ion: 76 Resp: 6358

Ion Ratio Lower Upper

76 100

78 8.4 7.5 11.3

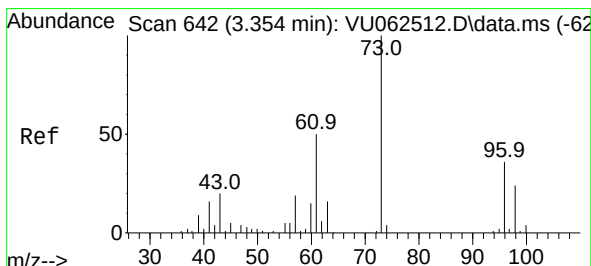
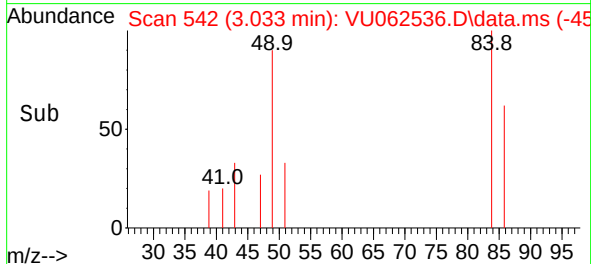
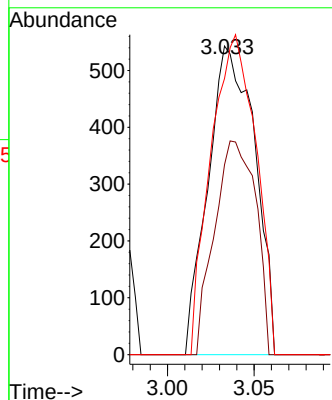
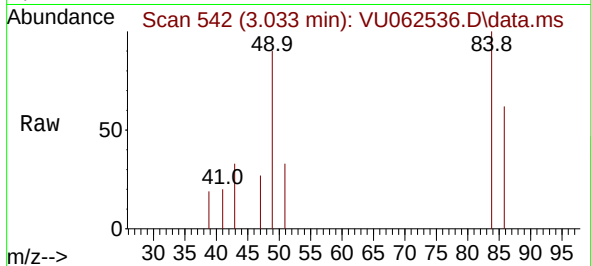




#16
Methylene chloride
Concen: 0.146 ug/L
RT: 3.033 min Scan# 54
Delta R.T. -0.003 min
Lab File: VU062536.D
Acq: 20 Dec 2024 19:56

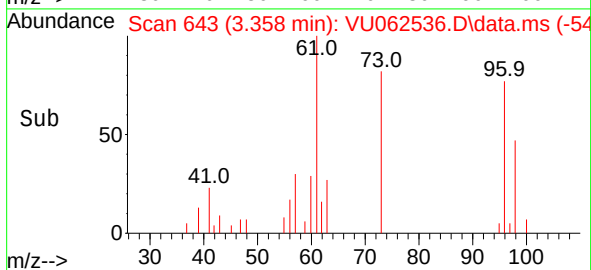
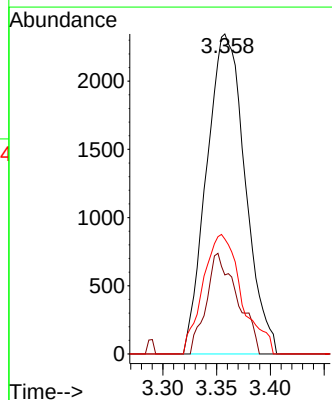
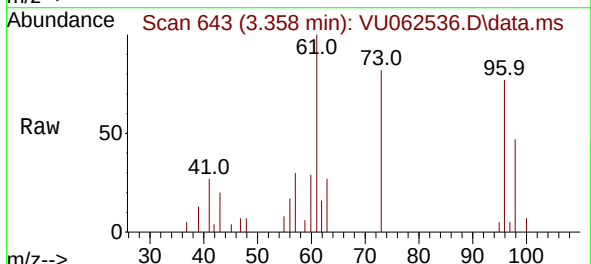
Instrument :
MSVOA_U
ClientSampleId :

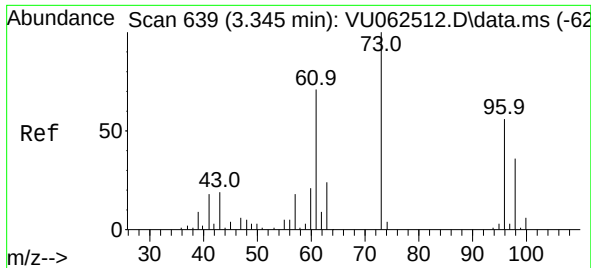
Tgt Ion: 84 Resp: 1018
Ion Ratio Lower Upper
84 100
86 61.5 43.5 80.7
49 89.5 81.9 152.1



#17
Methyl tert-butyl Ether
Concen: 0.354 ug/L
RT: 3.358 min Scan# 643
Delta R.T. 0.003 min
Lab File: VU062536.D
Acq: 20 Dec 2024 19:56

Tgt Ion: 73 Resp: 5846
Ion Ratio Lower Upper
73 100
43 25.5 16.3 24.5#
57 37.5 17.1 25.7#

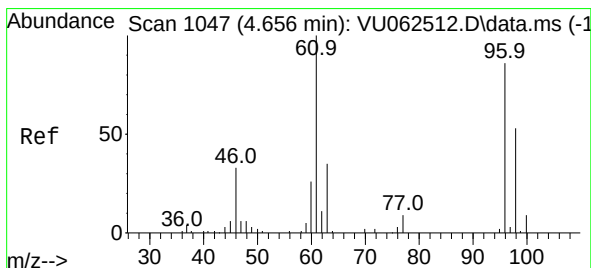
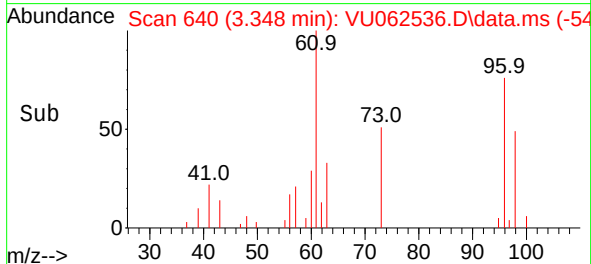
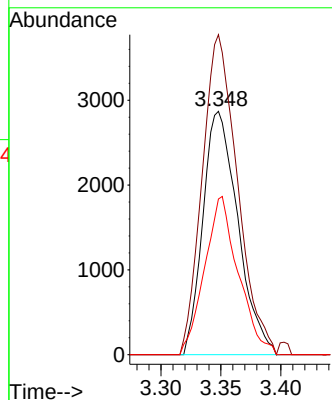
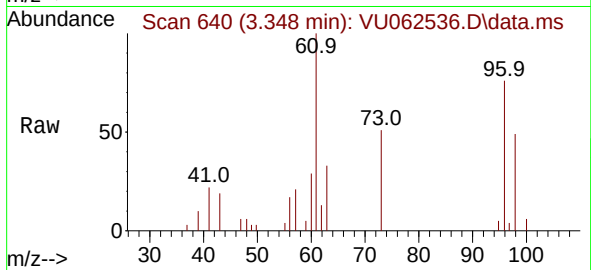




#18
trans-1,2-Dichloroethene
Concen: 0.855 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU062536.D
Acq: 20 Dec 2024 19:56

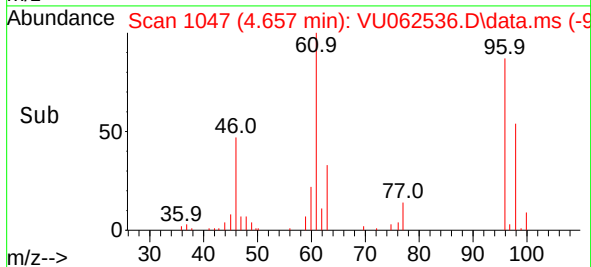
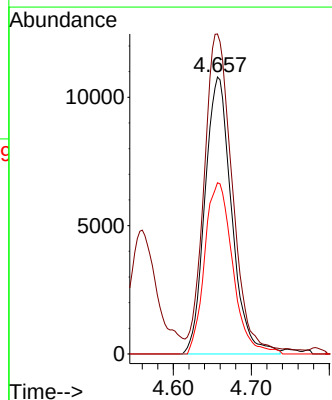
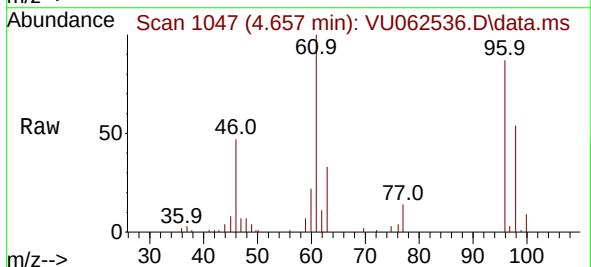
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MSVOA_U
ClientSampleId :

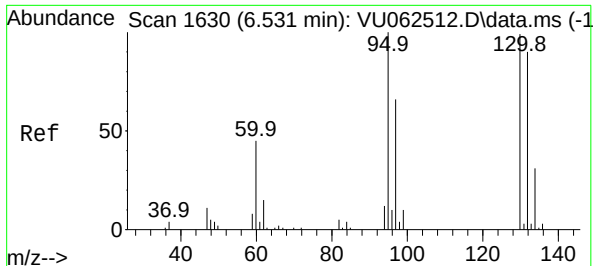
Tgt Ion: 96 Resp: 5819
Ion Ratio Lower Upper
96 100
61 131.5 104.2 193.4
98 63.9 45.7 84.9



#22
cis-1,2-Dichloroethene
Concen: 3.370 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. 0.000 min
Lab File: VU062536.D
Acq: 20 Dec 2024 19:56

Tgt Ion: 96 Resp: 25704
Ion Ratio Lower Upper
96 100
61 115.5 92.0 170.8
98 61.8 44.5 82.7





#34

Trichloroethene

Concen: 5.256 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU062536.D

Acq: 20 Dec 2024 19:56

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 42897

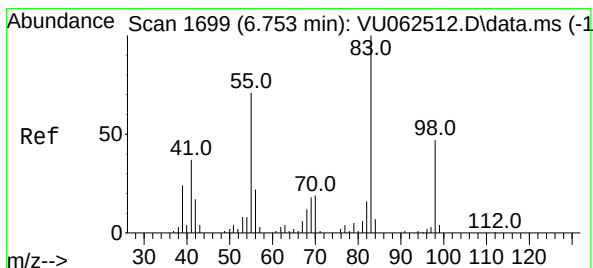
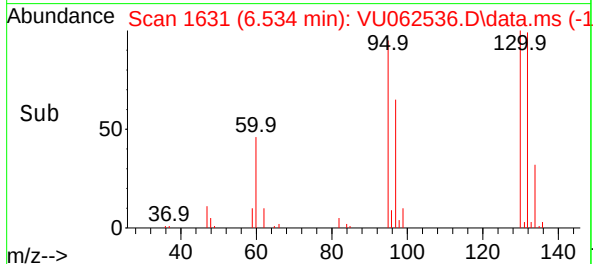
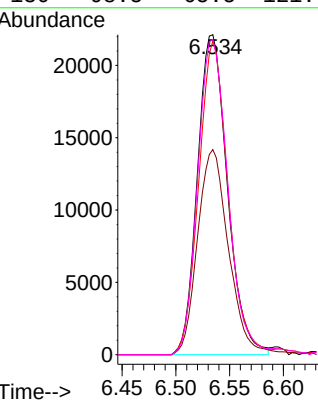
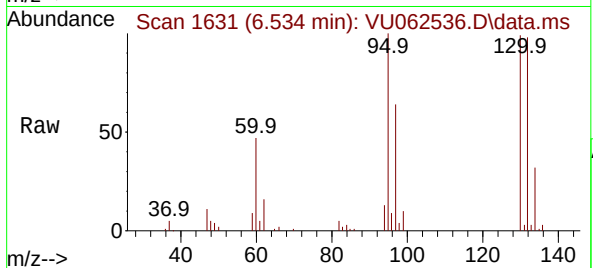
Ion Ratio Lower Upper

95 100

97 64.1 45.9 85.3

132 98.0 63.8 118.4

130 98.5 65.5 121.7



#35

Methylcyclohexane

Concen: 0.702 ug/L

RT: 6.676 min Scan# 1675

Delta R.T. -0.077 min

Lab File: VU062536.D

Acq: 20 Dec 2024 19:56

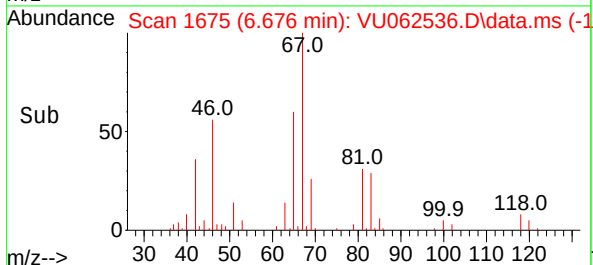
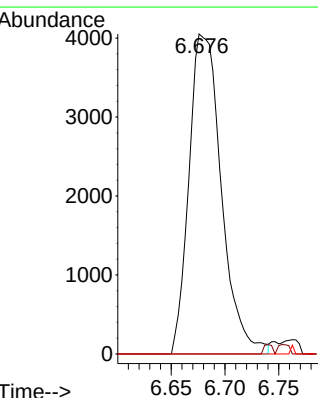
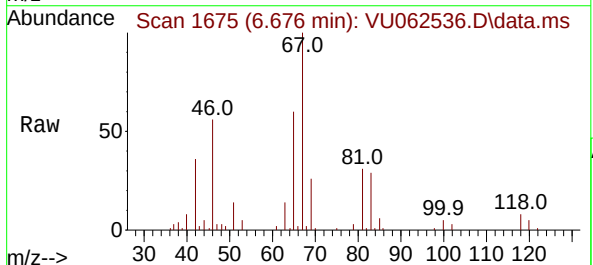
Tgt Ion: 83 Resp: 8490

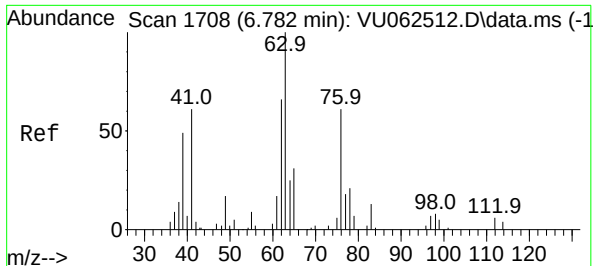
Ion Ratio Lower Upper

83 100

55 0.8 60.7 91.1#

98 0.0 34.8 52.2#

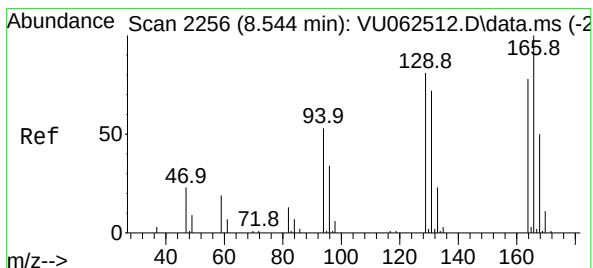
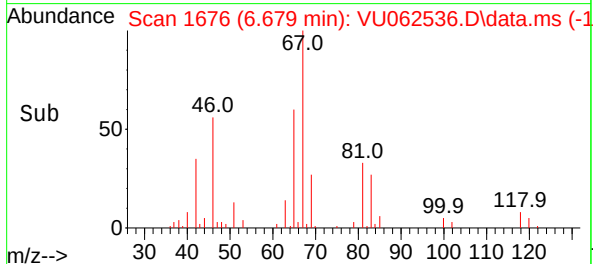
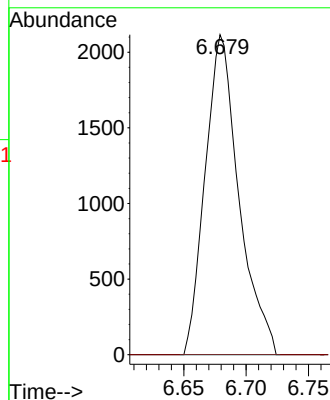
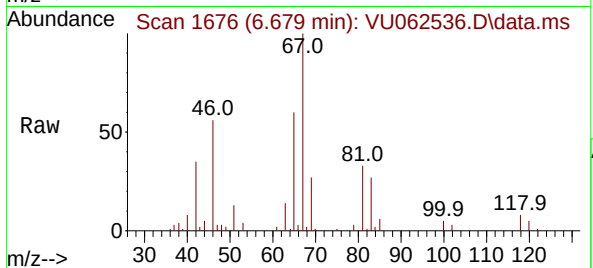




#37
1,2-Dichloropropane
Concen: 0.568 ug/L
RT: 6.679 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU062536.D
Acq: 20 Dec 2024 19:56

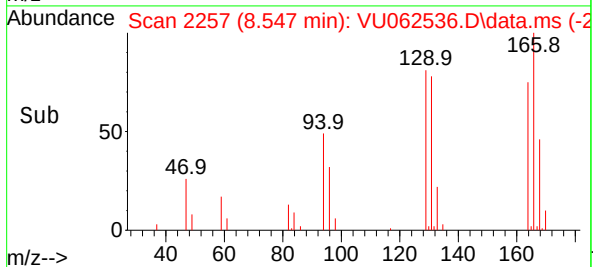
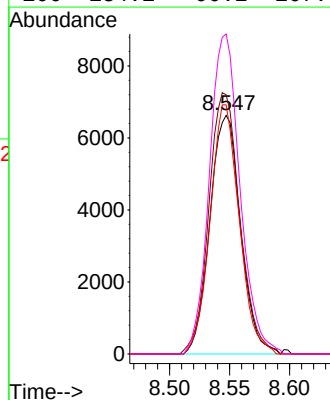
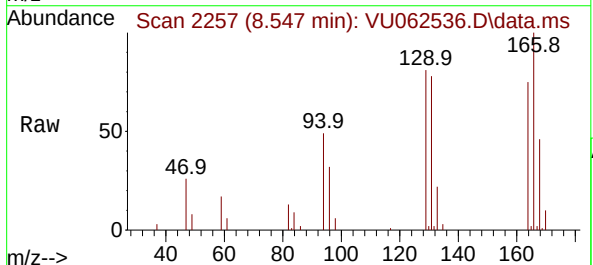
Instrument :
MSVOA_U
ClientSampleId :

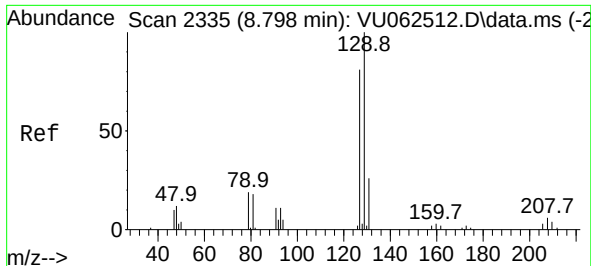
Tgt Ion: 63 Resp: 3988
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#47
Tetrachloroethene
Concen: 1.867 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU062536.D
Acq: 20 Dec 2024 19:56

Tgt Ion:164 Resp: 11769
Ion Ratio Lower Upper
164 100
129 108.6 73.2 136.0
131 104.4 72.3 134.3
166 134.1 90.2 167.4





#49

Dibromochloromethane

Concen: 2.035 ug/L

RT: 8.544 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU062536.D

Acq: 20 Dec 2024 19:56

Instrument :

MSVOA_U

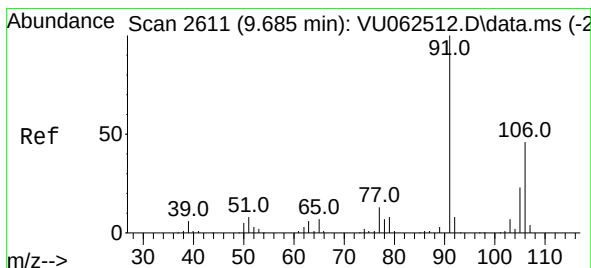
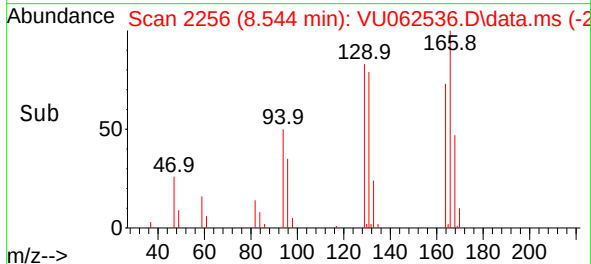
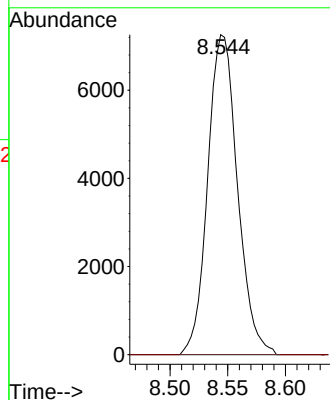
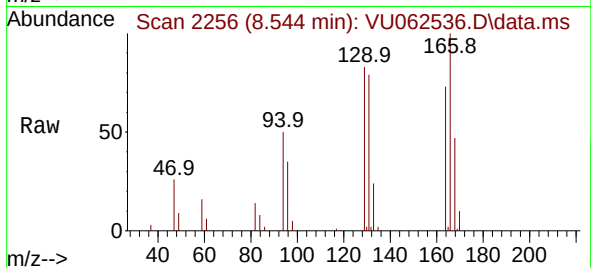
ClientSampleId :

Tgt Ion:129 Resp: 13023

Ion Ratio Lower Upper

129 100

127 0.0 51.1 94.9#



#53

m,p-Xylene

Concen: 0.122 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. 0.003 min

Lab File: VU062536.D

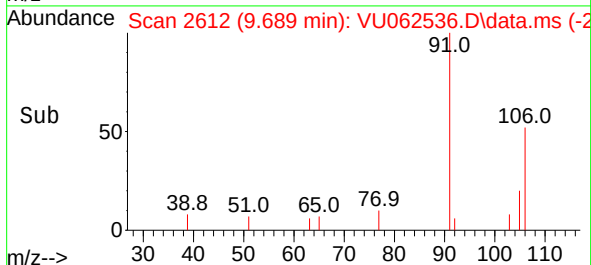
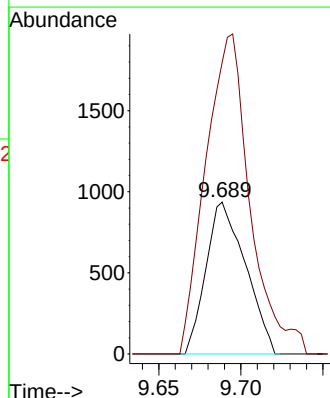
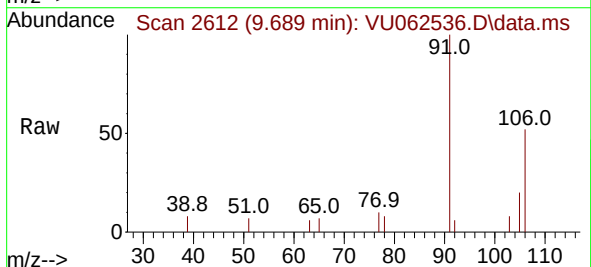
Acq: 20 Dec 2024 19:56

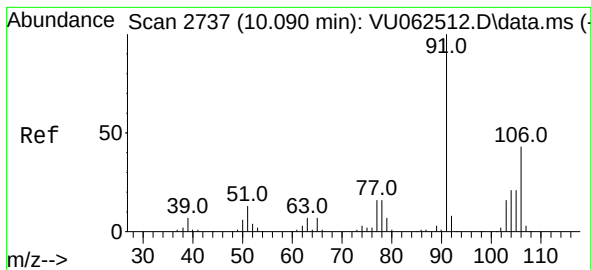
Tgt Ion:106 Resp: 1566

Ion Ratio Lower Upper

106 100

91 191.9 147.6 274.0





#54

o-Xylene

Concen: 0.139 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU062536.D

Acq: 20 Dec 2024 19:56

Instrument :

MSVOA_U

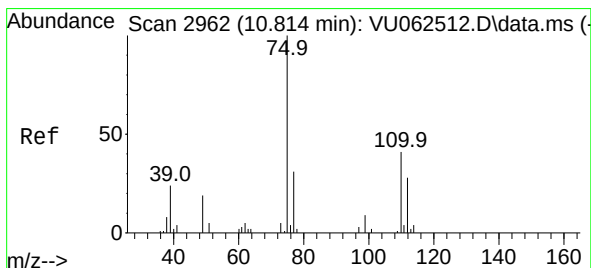
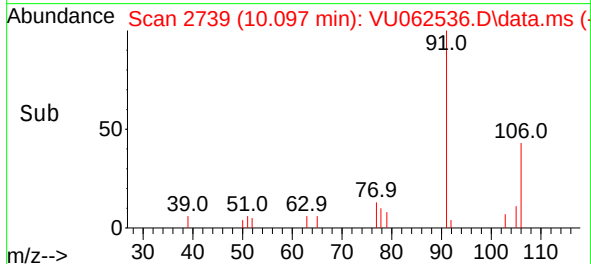
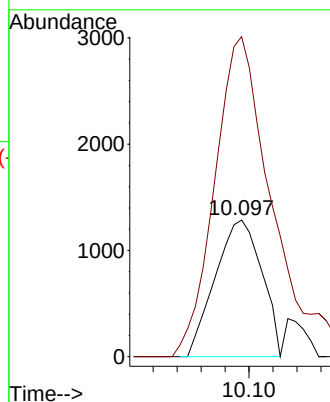
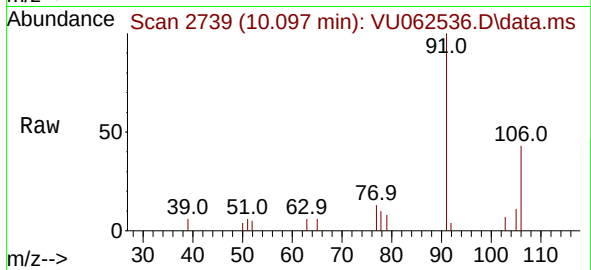
ClientSampleId :

Tgt Ion:106 Resp: 1734

Ion Ratio Lower Upper

106 100

91 234.0 159.8 296.8



#61

1,2,3-Trichloropropane

Concen: 0.982 ug/L

RT: 11.804 min Scan# 3270

Delta R.T. 0.990 min

Lab File: VU062536.D

Acq: 20 Dec 2024 19:56

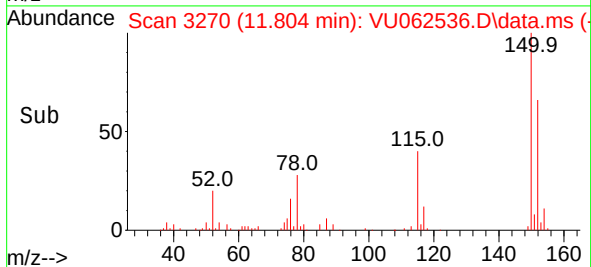
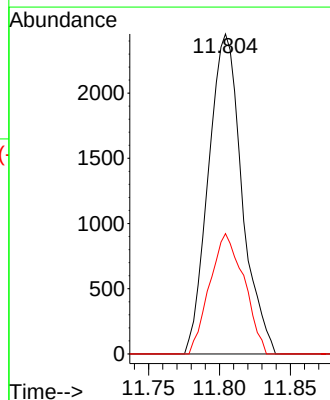
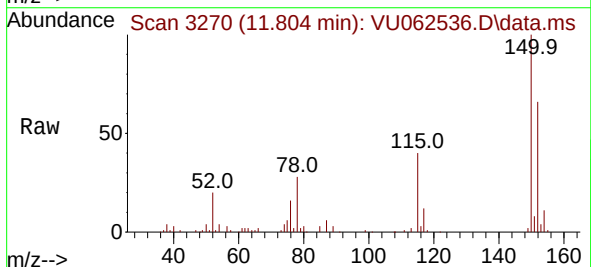
Tgt Ion: 75 Resp: 4031

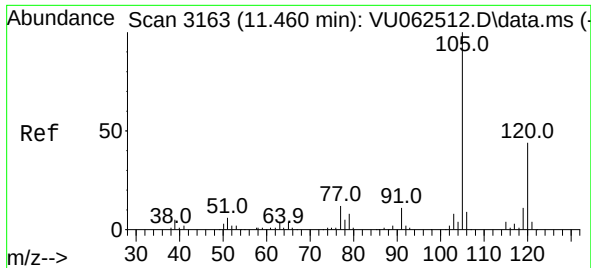
Ion Ratio Lower Upper

75 100

110 0.0 28.9 43.3#

77 38.5 26.5 39.7





#63
 1,2,4-Trimethylbenzene
 Concen: 0.095 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.003 min
 Lab File: VU062536.D
 Acq: 20 Dec 2024 19:56

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:105 Resp: 2522
 Ion Ratio Lower Upper
 105 100
 120 46.0 34.7 52.1

