

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101022\
 Data File : VU051321.D
 Acq On : 10 Oct 2022 12:46
 Operator : JC/MD
 Sample : N5013-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 11 01:00:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 11 00:58:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	191120	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	208552	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	82848	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	55646	3.610	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.200%
7) Chloroethane-d5	1.913	69	56431	4.260	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.200%
11) 1,1-Dichloroethene-d2	2.565	65	22352	3.668	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.400%
20) 2-Butanone-d5	4.620	46	174337	51.363	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.720%
24) Chloroform-d	5.060	84	135782	4.724	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.700	65	72594	4.898	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	5.726	84	239343	4.172	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
36) 1,2-Dichloropropane-d6	6.690	67	87520	4.492	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.800%
41) Toluene-d8	7.896	98	180541	3.517	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.400%
43) trans-1,3-Dichloroprop...	8.176	79	26997	4.217	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.400%
46) 2-Hexanone-d5	8.633	63	88412	40.979	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.960%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	74508	4.787	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	68534	4.759	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						Qvalue
8) Chloroethane	1.932	64	29038	2.121	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	1231	0.083	ug/L #	42
15) Methyl Acetate	2.761	43	2514	0.406	ug/L #	50
17) Methyl tert-butyl Ether	3.359	73	3439	0.108	ug/L #	92
19) 1,1-Dichloroethane	3.867	63	43637	1.442	ug/L	96
22) cis-1,2-Dichloroethene	4.668	96	7752	0.477	ug/L	83
29) 1,1,1-Trichloroethane	5.318	97	3581	0.143	ug/L	93
33) Benzene	5.774	78	40518	0.582	ug/L	100
35) Methylcyclohexane	6.690	83	19687	0.898	ug/L #	17
42) Toluene	7.970	91	44105	0.597	ug/L	93
49) Dibromochloromethane	8.549	129	2289	0.152	ug/L #	11
51) Chlorobenzene	9.446	112	6746	0.153	ug/L	92
52) Ethylbenzene	9.571	91	5661	0.085	ug/L	98
53) m,p-Xylene	9.690	106	4864	0.189	ug/L	82
61) 1,2,3-Trichloropropane	11.809	75	12144	1.161	ug/L #	68
65) 1,4-Dichlorobenzene	11.835	146	4326	0.169	ug/L	99

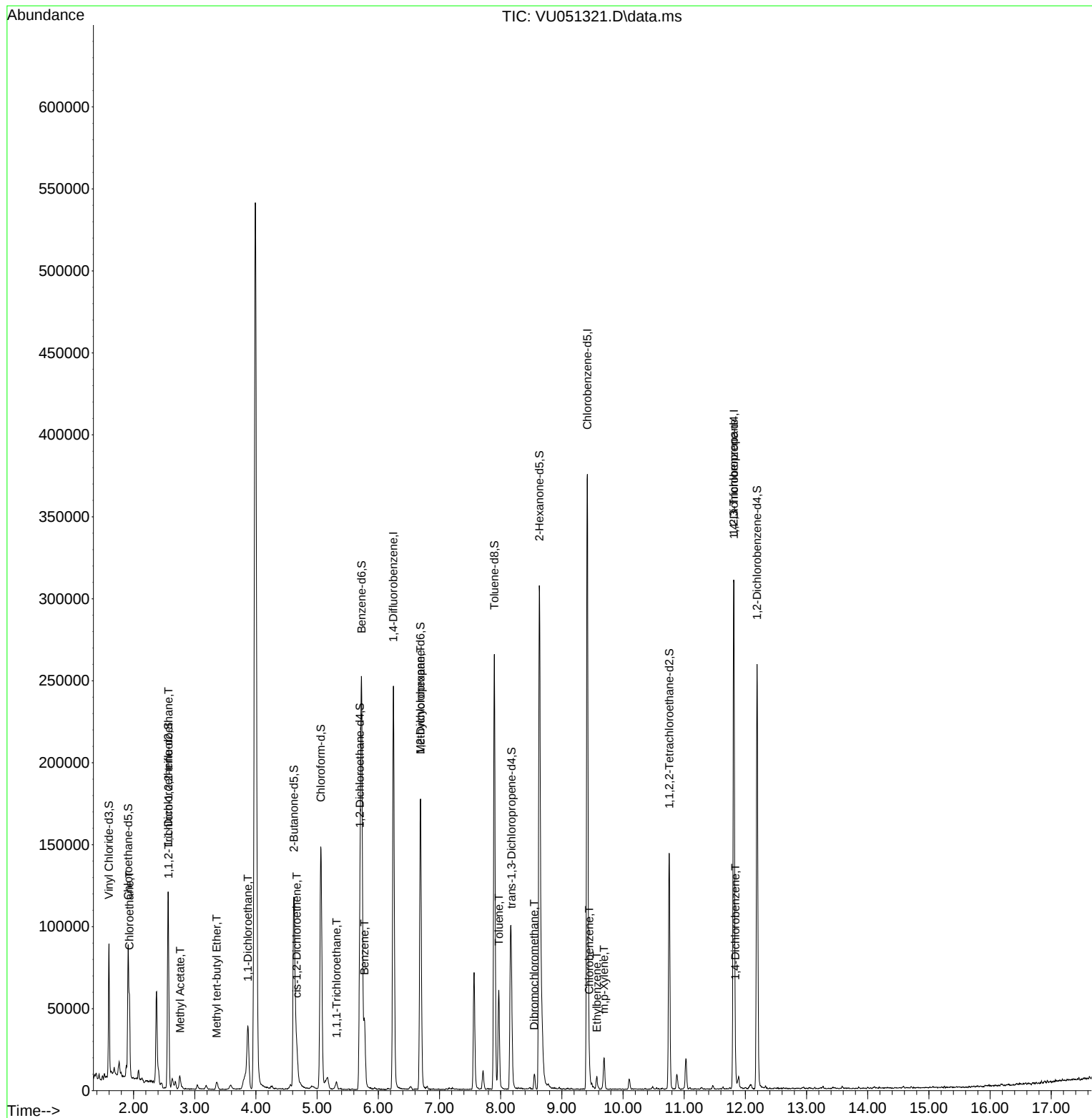
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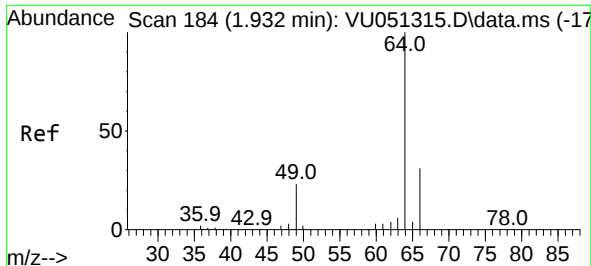
Instrument :
MSVOA_U
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101022\
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ClientSampleId :

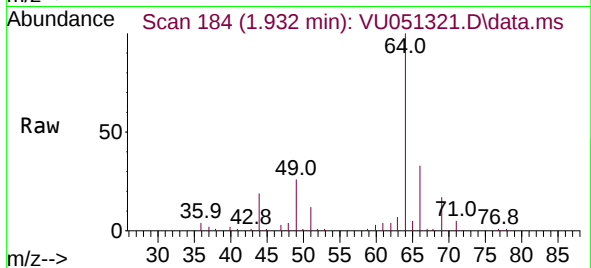
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 11 00:58:34 2022
Response via : Initial Calibration



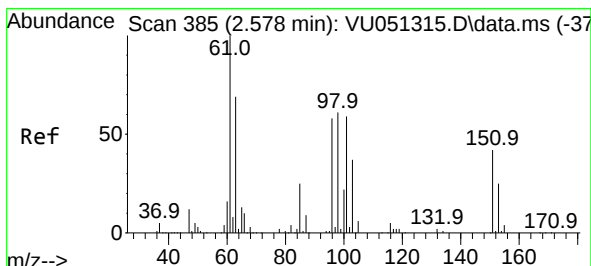
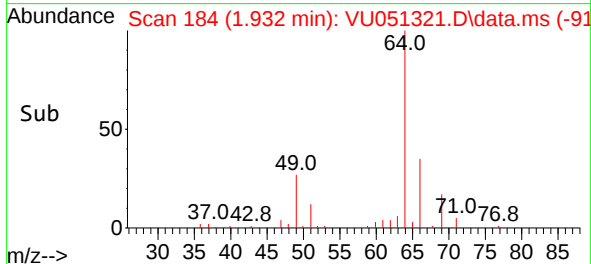
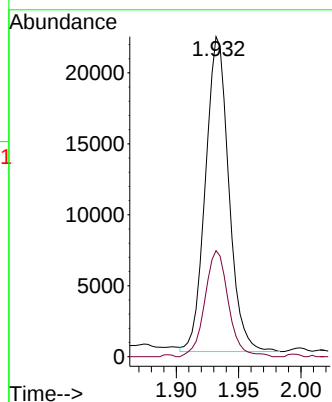


#8
Chloroethane
Concen: 2.121 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051321.D
Acq: 10 Oct 2022 12:46

Instrument :
MSVOA_U
ClientSampleId :

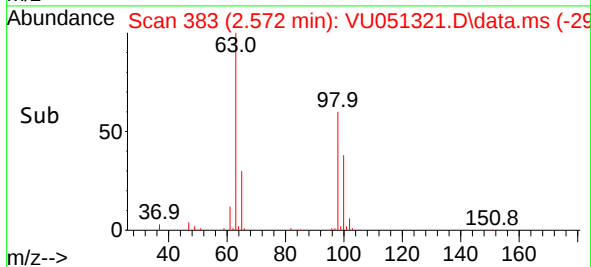
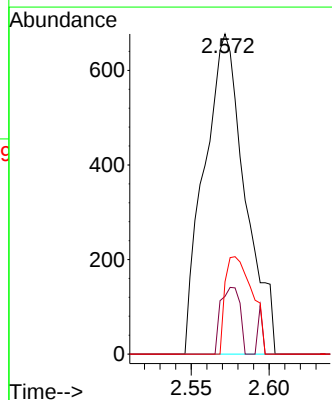
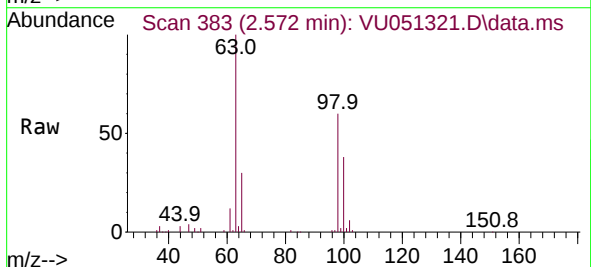


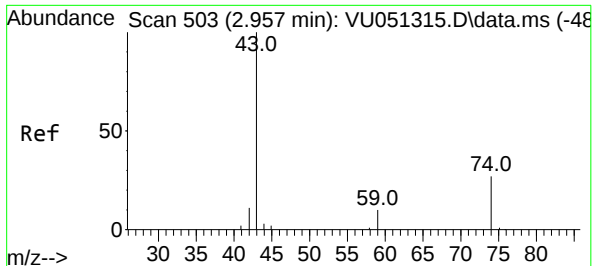
Tgt Ion: 64 Resp: 29038
Ion Ratio Lower Upper
64 100
66 33.2 22.3 41.3



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.083 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.006 min
Lab File: VU051321.D
Acq: 10 Oct 2022 12:46

Tgt Ion: 101 Resp: 1231
Ion Ratio Lower Upper
101 100
85 9.7 34.6 51.8#
151 20.2 56.5 84.7#

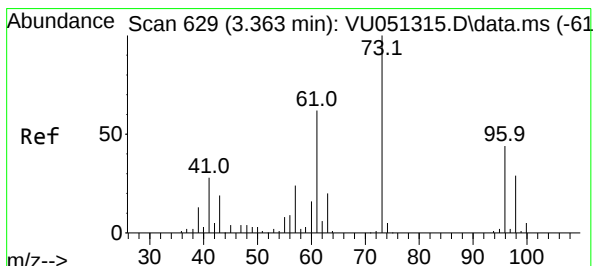
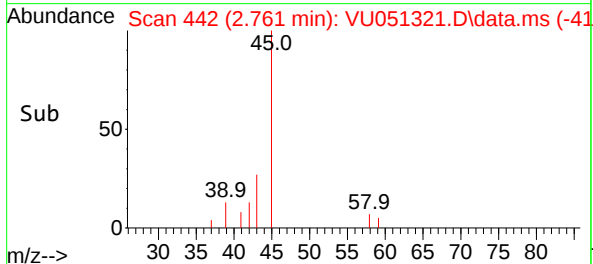
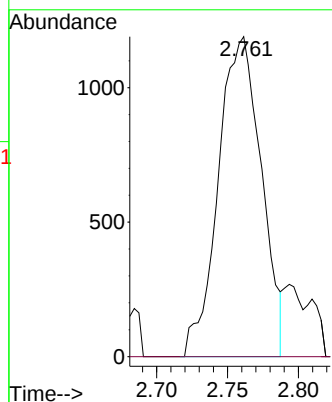
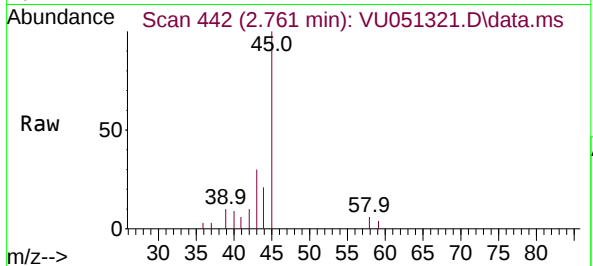




#15
Methyl Acetate
Concen: 0.406 ug/L
RT: 2.761 min Scan# 442
Delta R.T. -0.196 min
Lab File: VU051321.D
Acq: 10 Oct 2022 12:46

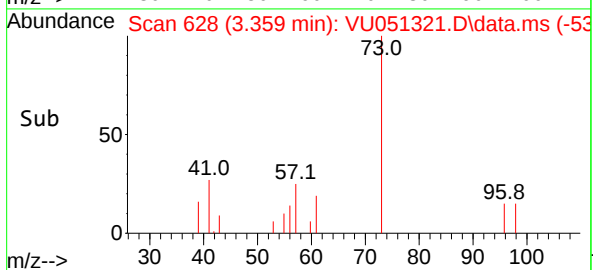
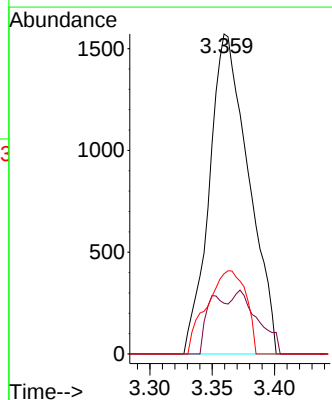
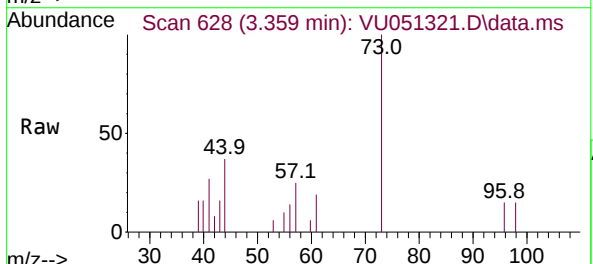
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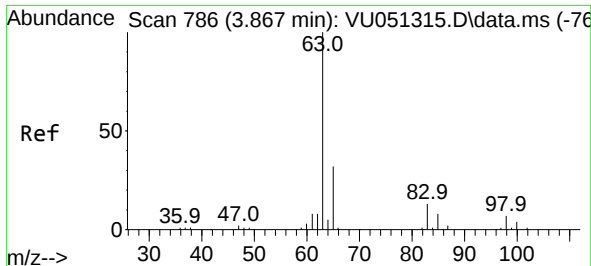
Tgt Ion: 43 Resp: 2514
Ion Ratio Lower Upper
43 100
74 0.0 20.0 30.0#



#17
Methyl tert-butyl Ether
Concen: 0.108 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.003 min
Lab File: VU051321.D
Acq: 10 Oct 2022 12:46

Tgt Ion: 73 Resp: 3439
Ion Ratio Lower Upper
73 100
43 13.4 15.4 23.0#
57 25.8 18.9 28.3





#19

1,1-Dichloroethane

Concen: 1.442 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU051321.D

Acq: 10 Oct 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

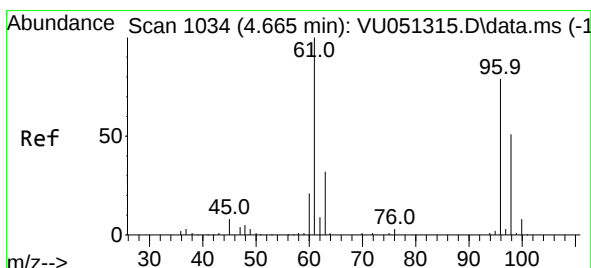
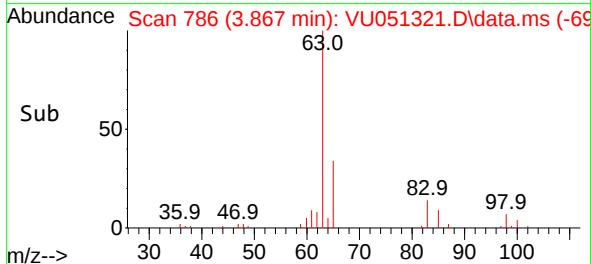
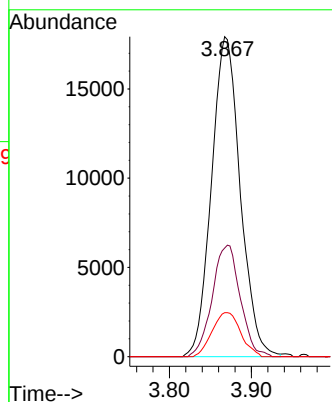
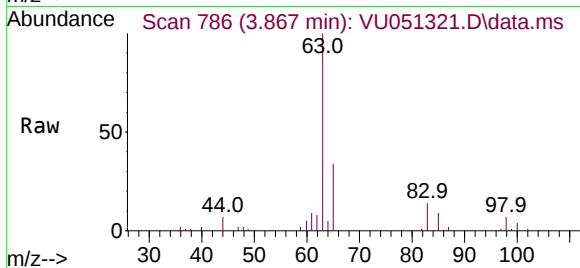
Tgt Ion: 63 Resp: 43637

Ion Ratio Lower Upper

63 100

65 34.0 22.0 41.0

83 13.8 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 0.477 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU051321.D

Acq: 10 Oct 2022 12:46

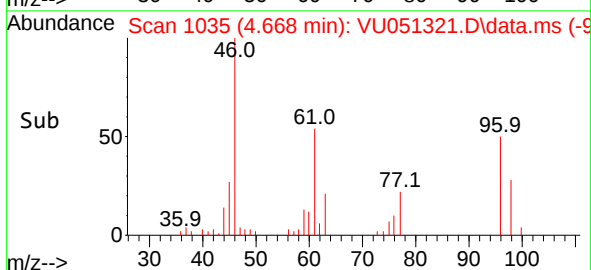
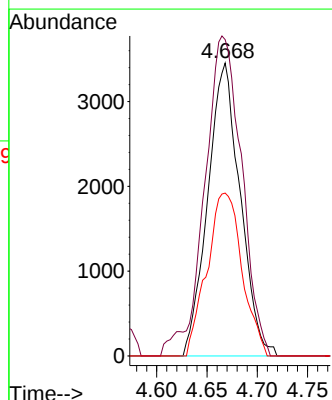
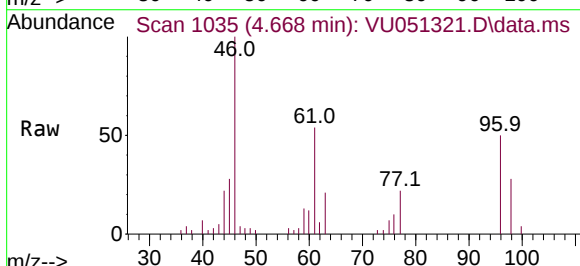
Tgt Ion: 96 Resp: 7752

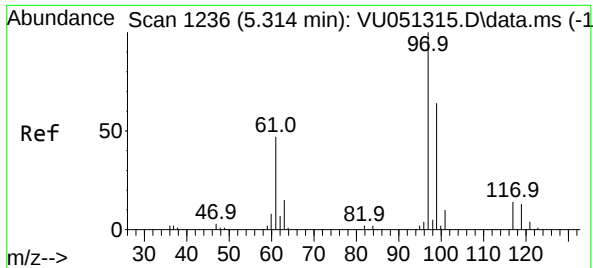
Ion Ratio Lower Upper

96 100

61 108.0 90.6 168.2

98 55.6 47.5 88.3





#29

1,1,1-Trichloroethane

Concen: 0.143 ug/L

RT: 5.318 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU051321.D

Acq: 10 Oct 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

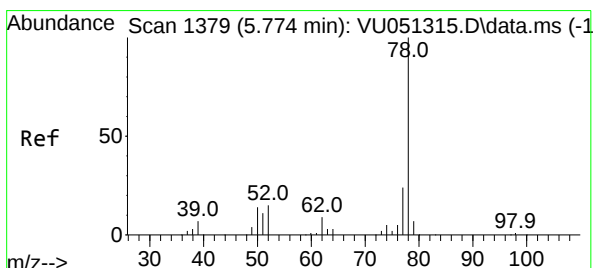
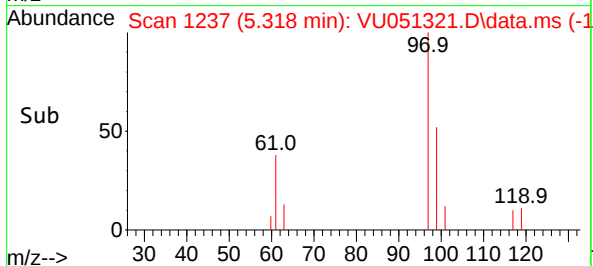
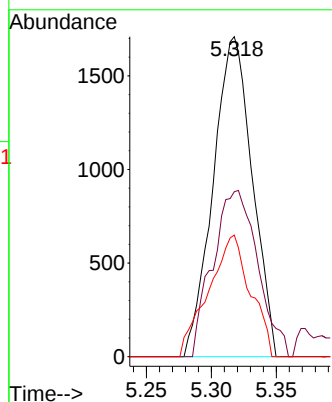
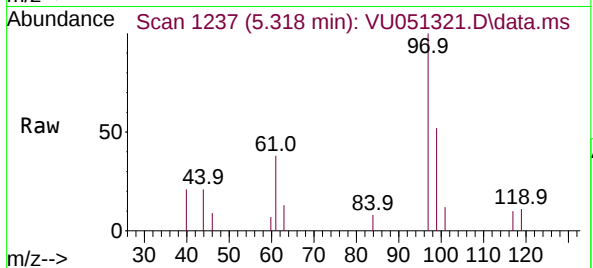
Tgt Ion: 97 Resp: 3581

Ion Ratio Lower Upper

97 100

99 59.8 50.2 75.4

61 40.6 38.7 58.1



#33

Benzene

Concen: 0.582 ug/L

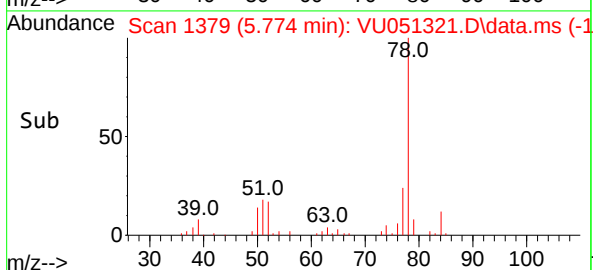
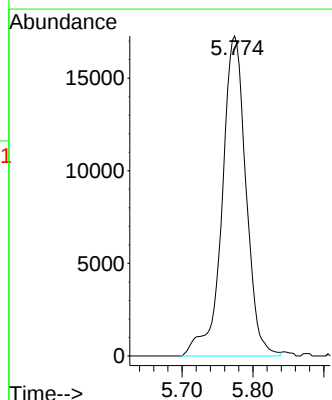
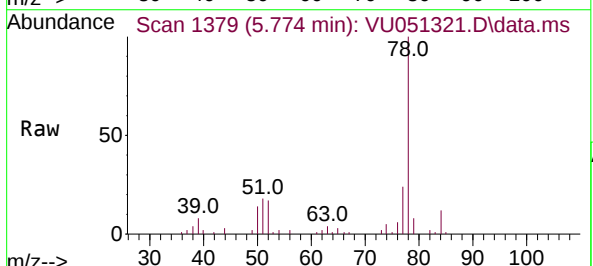
RT: 5.774 min Scan# 1379

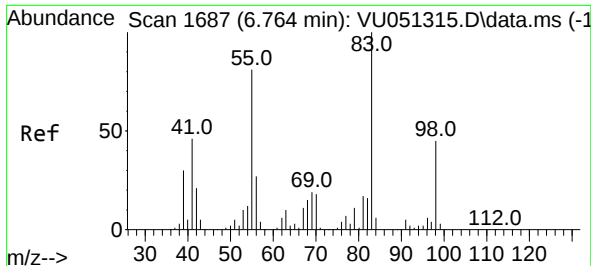
Delta R.T. 0.000 min

Lab File: VU051321.D

Acq: 10 Oct 2022 12:46

Tgt Ion: 78 Resp: 40518

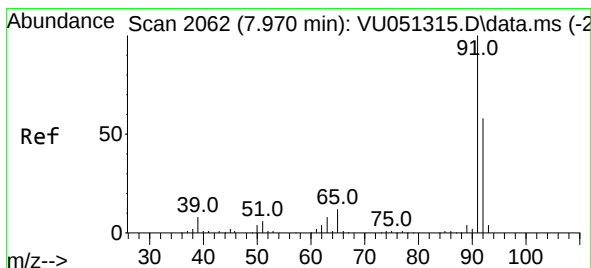
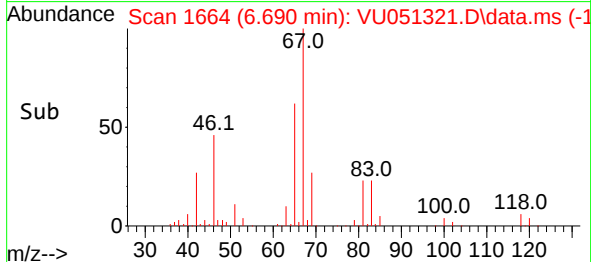
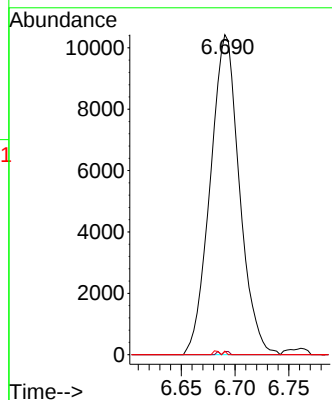
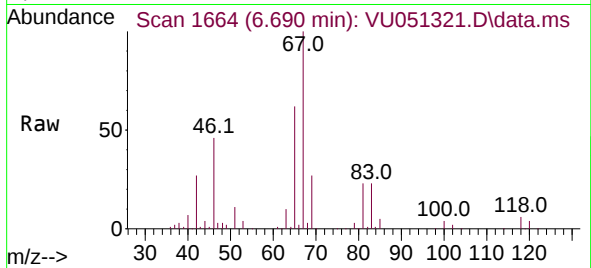




#35
Methylcyclohexane
Concen: 0.898 ug/L
RT: 6.690 min Scan# 1
Delta R.T. -0.074 min
Lab File: VU051321.D
Acq: 10 Oct 2022 12:46

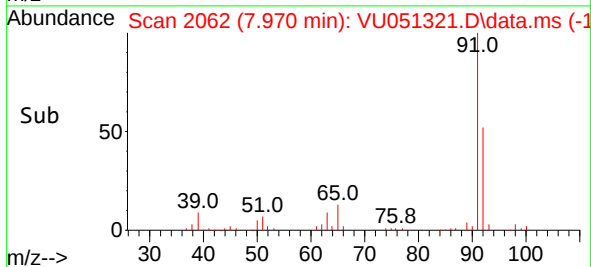
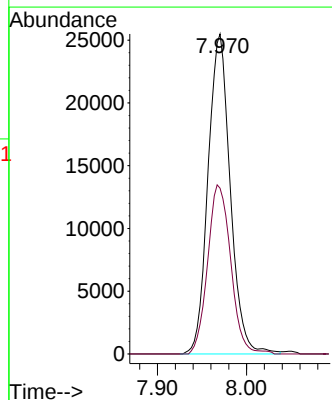
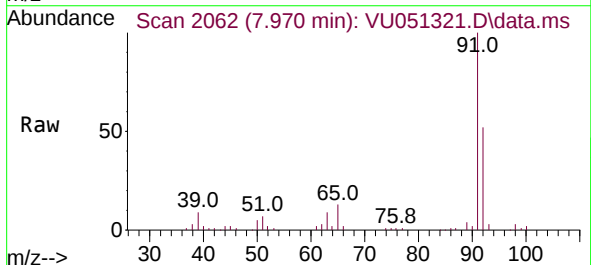
Instrument :
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ClientSampleId :

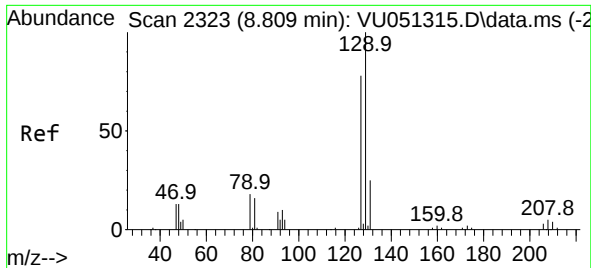
Tgt Ion: 83 Resp: 19687
Ion Ratio Lower Upper
83 100
55 0.3 65.8 98.6#
98 0.3 35.9 53.9#



#42
Toluene
Concen: 0.597 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU051321.D
Acq: 10 Oct 2022 12:46

Tgt Ion: 91 Resp: 44105
Ion Ratio Lower Upper
91 100
92 51.8 39.9 74.1





#49

Dibromochloromethane

Concen: 0.152 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.260 min

Lab File: VU051321.D

Acq: 10 Oct 2022 12:46

Instrument :

MSVOA_U

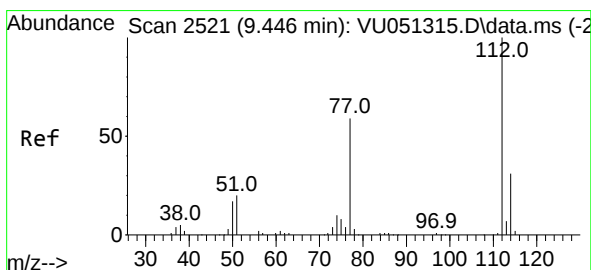
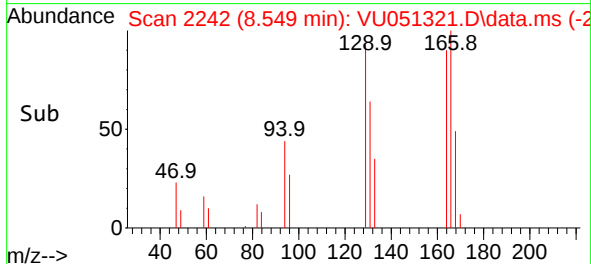
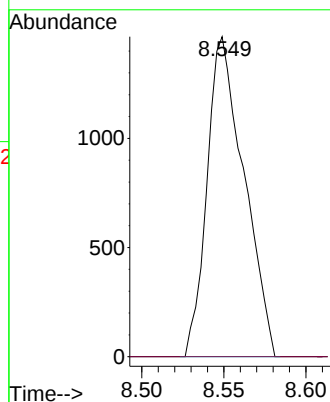
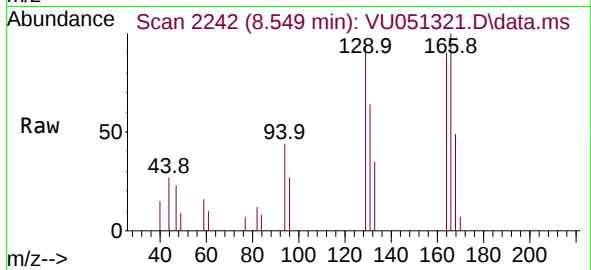
ClientSampleId :

Tgt Ion:129 Resp: 2289

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#51

Chlorobenzene

Concen: 0.153 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051321.D

Acq: 10 Oct 2022 12:46

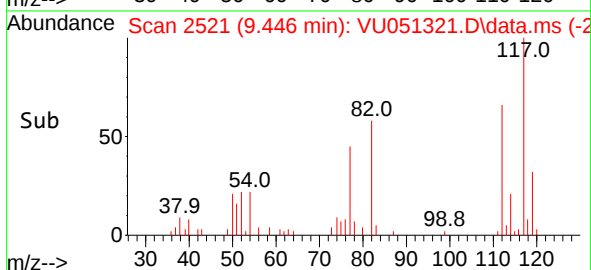
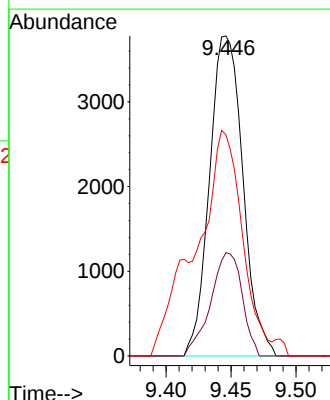
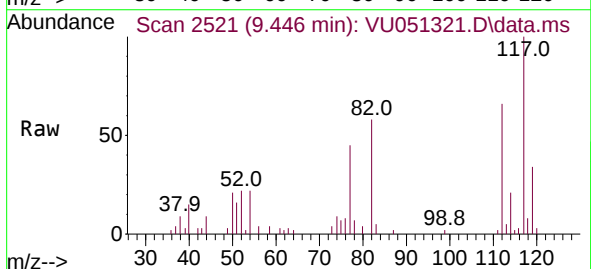
Tgt Ion:112 Resp: 6746

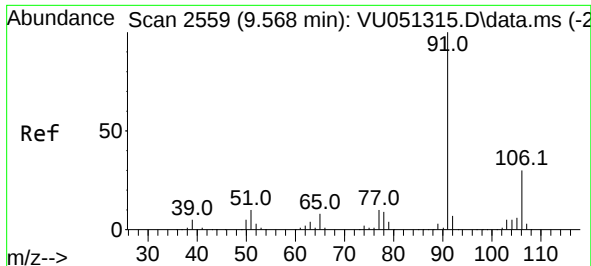
Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.5

77 69.1 48.1 72.1

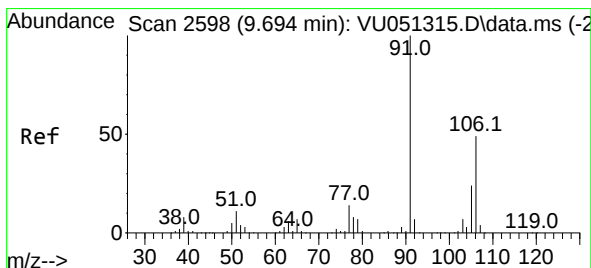
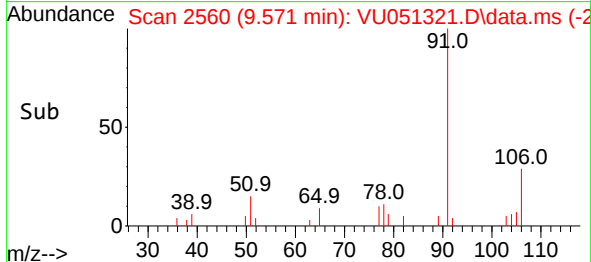
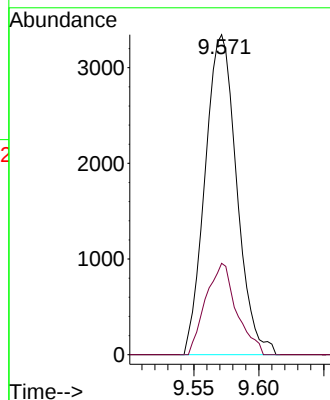
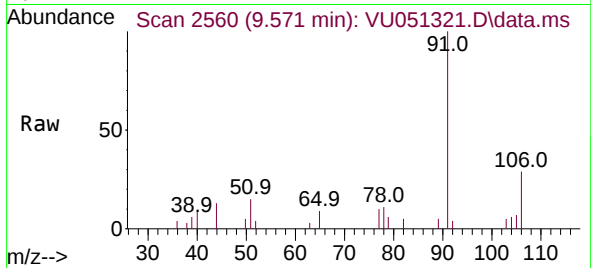




#52
Ethylbenzene
Concen: 0.085 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU051321.D
Acq: 10 Oct 2022 12:46

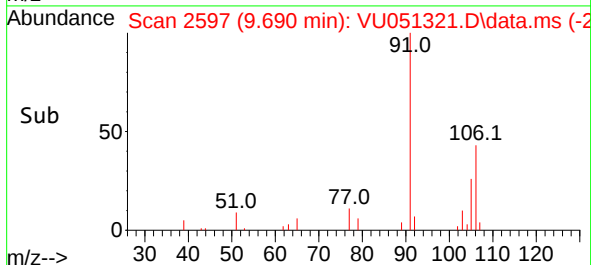
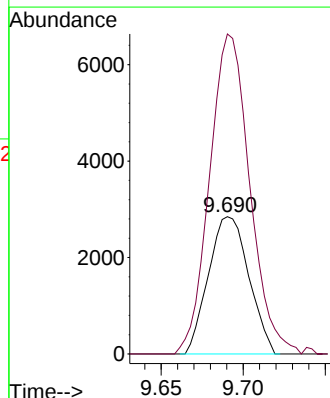
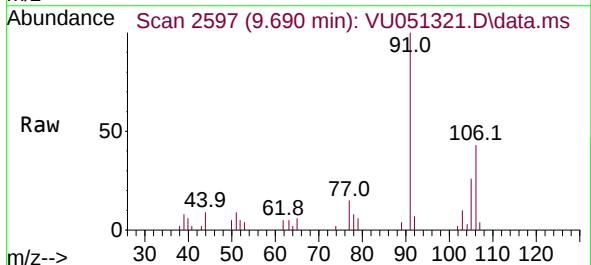
Instrument :
MSVOA_U
ClientSampleId :

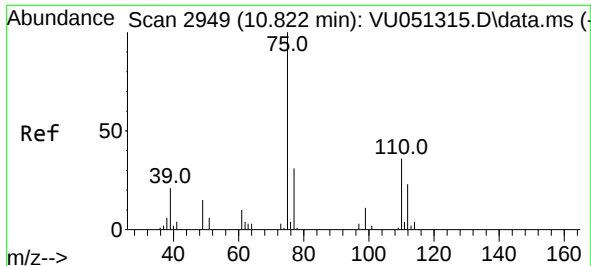
Tgt Ion: 91 Resp: 5661
Ion Ratio Lower Upper
91 100
106 28.6 20.9 38.7



#53
m,p-Xylene
Concen: 0.189 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051321.D
Acq: 10 Oct 2022 12:46

Tgt Ion: 106 Resp: 4864
Ion Ratio Lower Upper
106 100
91 233.2 143.9 267.3

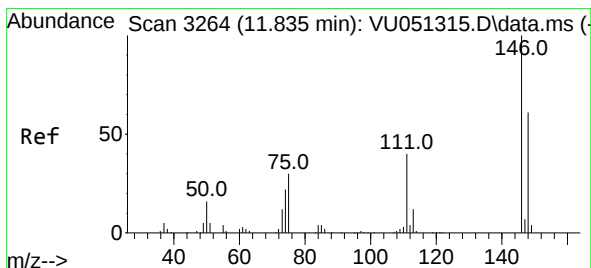
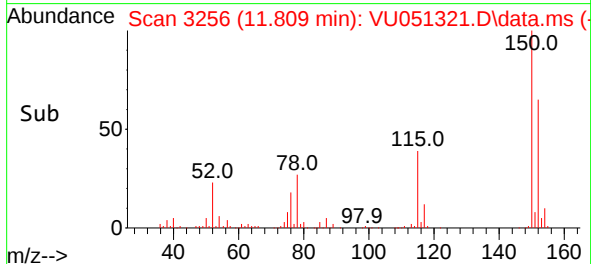
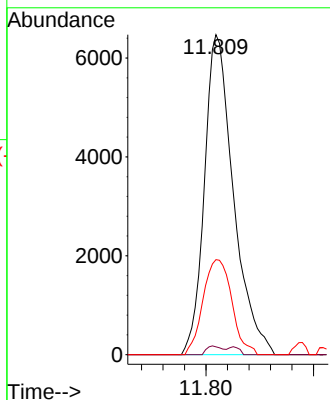
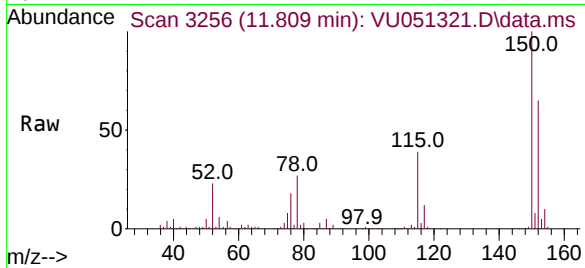




#61
 1,2,3-Trichloropropane
 Concen: 1.161 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU051321.D
 Acq: 10 Oct 2022 12:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 75 Resp: 12144
 Ion Ratio Lower Upper
 75 100
 110 1.5 27.0 40.6#
 77 29.4 26.4 39.6



#65
 1,4-Dichlorobenzene
 Concen: 0.169 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. 0.000 min
 Lab File: VU051321.D
 Acq: 10 Oct 2022 12:46

Tgt Ion:146 Resp: 4326
 Ion Ratio Lower Upper
 146 100
 111 42.3 29.1 54.1
 148 62.3 44.2 82.0

