

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080422\
 Data File : VU050071.D
 Acq On : 04 Aug 2022 19:20
 Operator : SY/MD
 Sample : N4022-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F5D57

Quant Time: Aug 05 04:55:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 05 04:52:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	64403	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	62078	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	24191	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	28831	5.379	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 107.600%		
7) Chloroethane-d5	1.909	69	23746	5.492	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 109.800%		
11) 1,1-Dichloroethene-d2	2.565	65	11152	5.324	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 106.400%		
20) 2-Butanone-d5	4.629	46	98517	75.376	ug/L	-0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	= 150.760%#		
24) Chloroform-d	5.063	84	54232	5.440	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 108.800%		
26) 1,2-Dichloroethane-d4	5.703	65	30646	5.987	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 119.800%		
32) Benzene-d6	5.729	84	107978	5.574	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 111.400%		
36) 1,2-Dichloropropane-d6	6.690	67	36660	5.747	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 115.000%		
41) Toluene-d8	7.899	98	85955	5.024	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 100.400%		
43) trans-1,3-Dichloroprop...	8.182	79	13202	5.775	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 115.600%		
46) 2-Hexanone-d5	8.636	63	57877	71.394	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 142.780%#		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	37069	6.617	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 132.400%#		
66) 1,2-Dichlorobenzene-d4	12.195	152	29120	6.144	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 122.800%#		
Target Compounds						
						Qvalue
5) Vinyl chloride	1.604	62	9885	1.429	ug/L	87
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	290	0.069	ug/L #	22
13) Acetone	2.636	43	6521	8.959	ug/L	90
22) cis-1,2-Dichloroethene	4.671	96	1020	0.184	ug/L	88
25) Chloroform	5.134	83	67	0.007	ug/L #	17
33) Benzene	5.777	78	2011	0.092	ug/L	100
35) Methylcyclohexane	6.690	83	8337	1.228	ug/L #	18
37) 1,2-Dichloropropane	6.690	63	3444	0.594	ug/L #	89
39) cis-1,3-Dichloropropene	7.568	75	755	0.100	ug/L #	63
42) Toluene	7.970	91	5189	0.238	ug/L	94
45) 1,1,2-Trichloroethane	8.272	97	2269	0.524	ug/L #	18
48) 2-Hexanone	8.687	43	12368	4.765	ug/L #	92
52) Ethylbenzene	9.571	91	2080	0.098	ug/L	95
53) m,p-Xylene	9.693	106	2414	0.308	ug/L	92
54) o-Xylene	10.102	106	794	0.101	ug/L	71
61) 1,2,3-Trichloropropane	11.809	75	2885	0.875	ug/L #	66
62) 1,3,5-Trimethylbenzene	11.086	105	584	0.128	ug/L	92
63) 1,2,4-Trimethylbenzene	11.471	105	1733	0.139	ug/L	97

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Response via : Initial Calibration

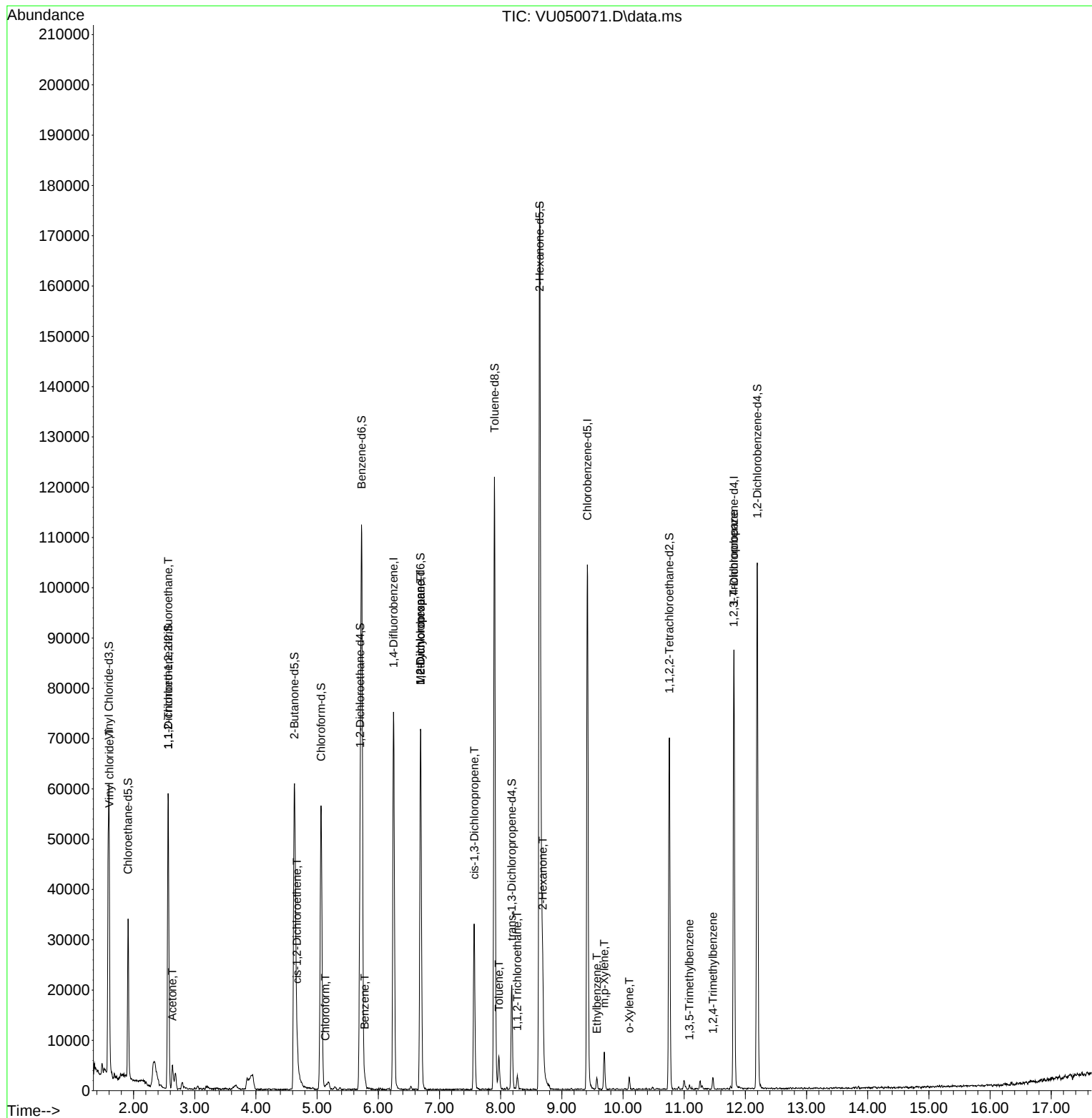
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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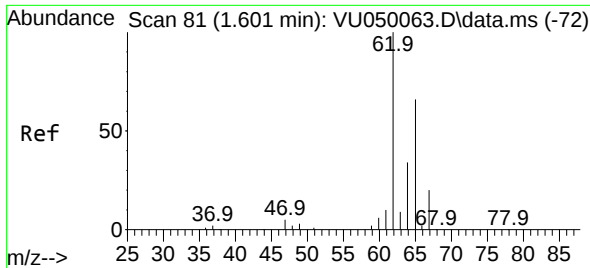
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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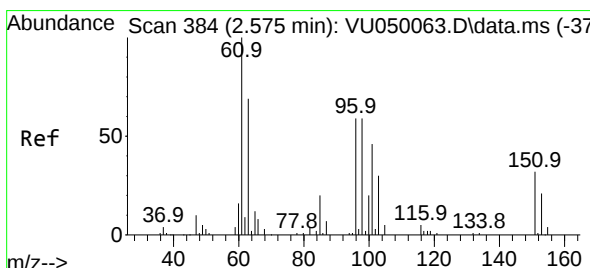
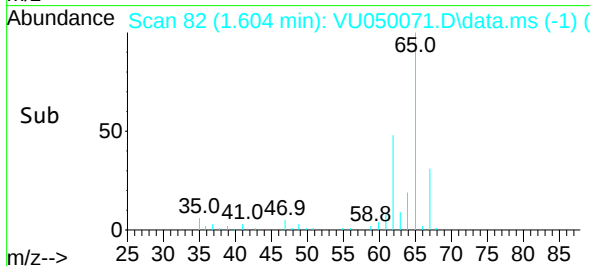
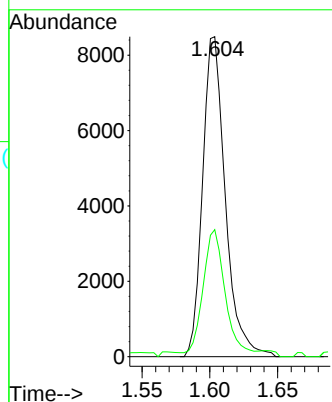
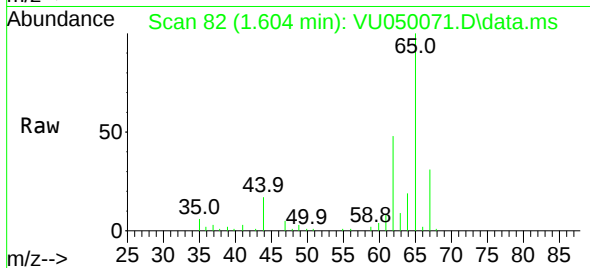




#5
 Vinyl chloride
 Concen: 1.429 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU050071.D
 Acq: 04 Aug 2022 19:20

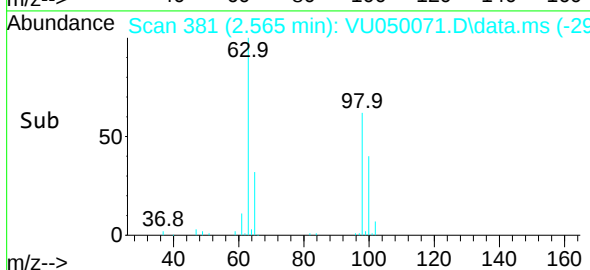
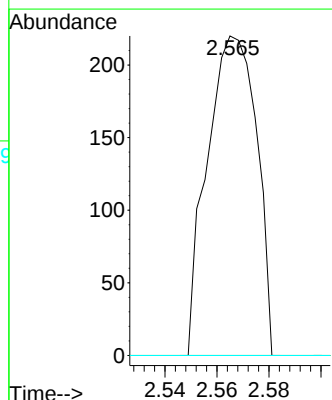
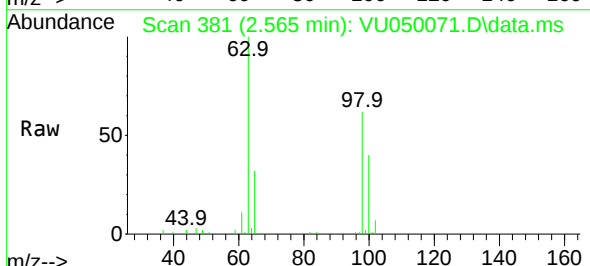
Instrument :
 MSVOA_U
 ClientSampleId :
 F5D57

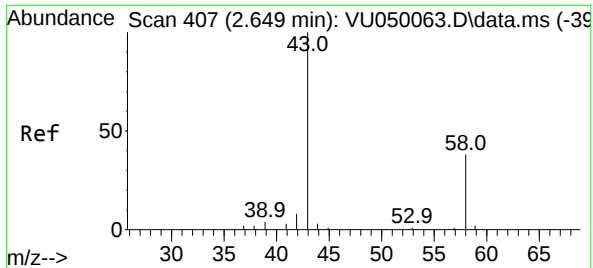
Tgt Ion: 62 Resp: 9885
 Ion Ratio Lower Upper
 62 100
 64 39.7 22.8 42.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.069 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.010 min
 Lab File: VU050071.D
 Acq: 04 Aug 2022 19:20

Tgt Ion: 101 Resp: 290
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.6 53.4#
 151 0.0 55.2 82.8#





#13

Acetone

Concen: 8.959 ug/L

RT: 2.636 min Scan# 40

Delta R.T. -0.013 min

Lab File: VU050071.D

Acq: 04 Aug 2022 19:20

Instrument :

MSVOA_U

ClientSampleId :

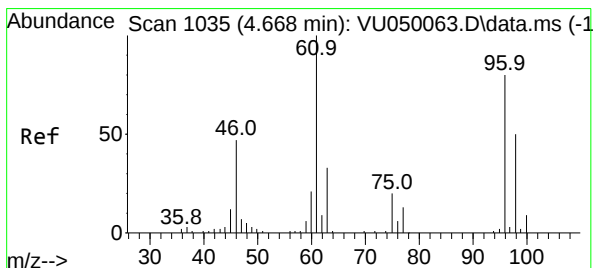
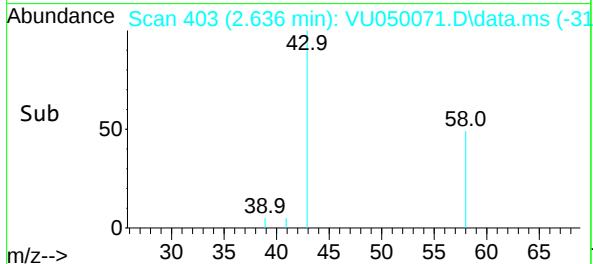
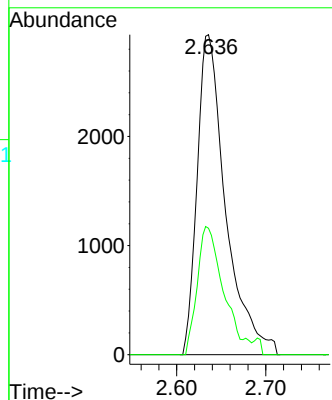
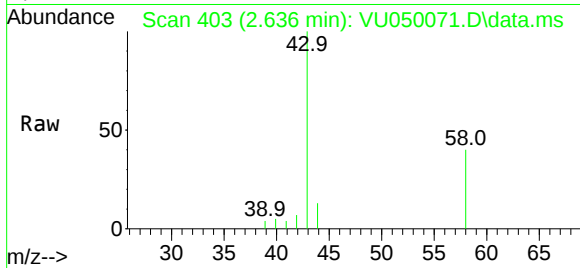
F5D57

Tgt Ion: 43 Resp: 6521

Ion Ratio Lower Upper

43 100

58 37.4 0.0 64.0



#22

cis-1,2-Dichloroethene

Concen: 0.184 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VU050071.D

Acq: 04 Aug 2022 19:20

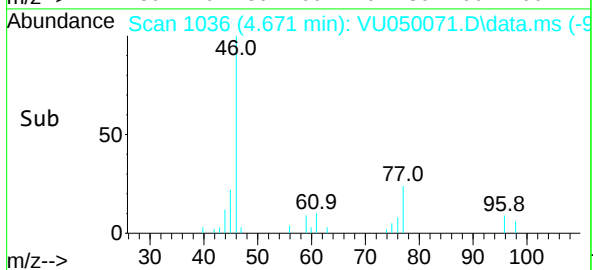
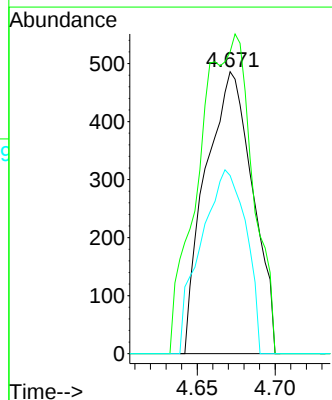
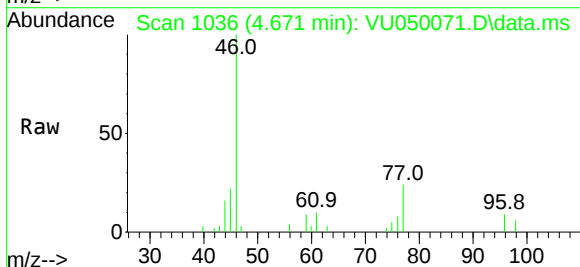
Tgt Ion: 96 Resp: 1020

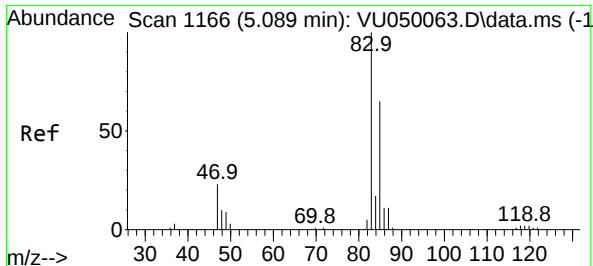
Ion Ratio Lower Upper

96 100

61 107.0 89.0 165.4

98 63.2 45.2 84.0





#25

Chloroform

Concen: 0.007 ug/L

RT: 5.134 min Scan# 11

Delta R.T. 0.045 min

Lab File: VU050071.D

Acq: 04 Aug 2022 19:20

Instrument :

MSVOA_U

ClientSampleId :

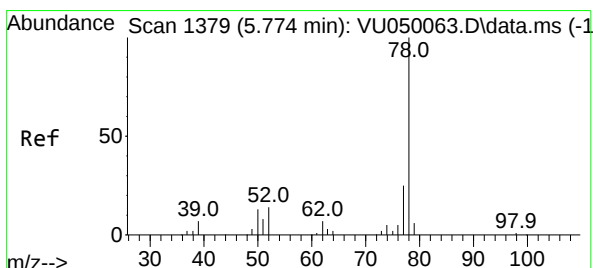
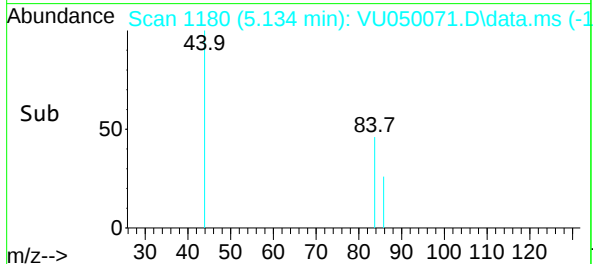
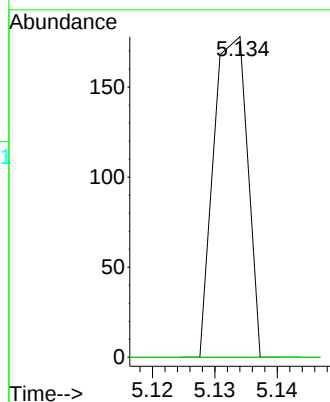
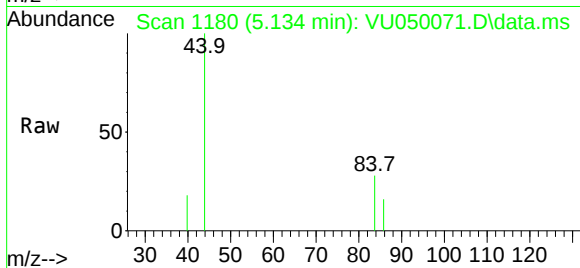
F5D57

Tgt Ion: 83 Resp: 67

Ion Ratio Lower Upper

83 100

85 0.0 46.1 85.5#



#33

Benzene

Concen: 0.092 ug/L

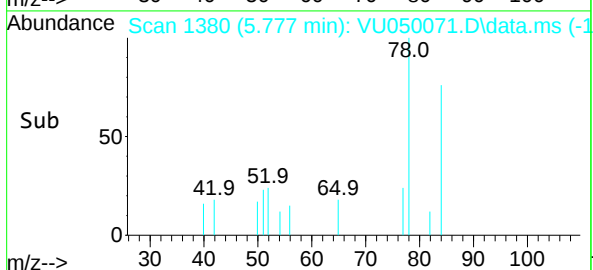
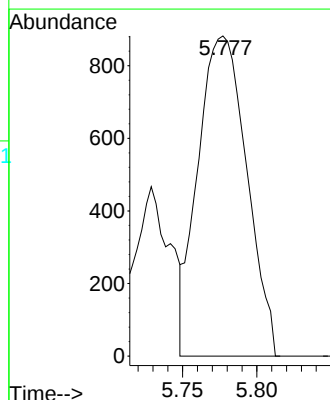
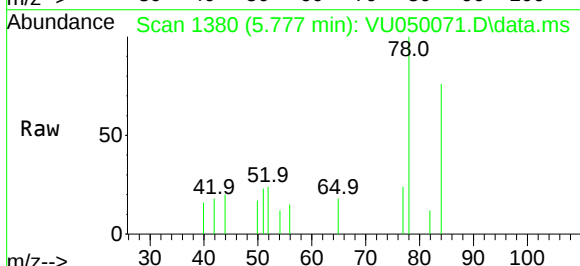
RT: 5.777 min Scan# 1380

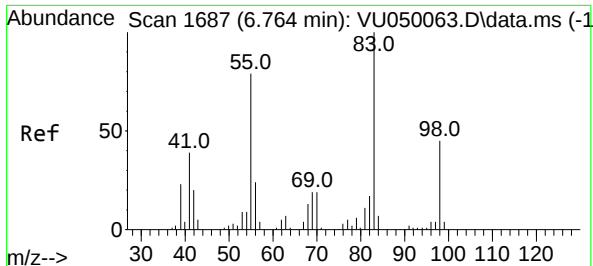
Delta R.T. 0.003 min

Lab File: VU050071.D

Acq: 04 Aug 2022 19:20

Tgt Ion: 78 Resp: 2011





#35

Methylcyclohexane

Concen: 1.228 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU050071.D

Acq: 04 Aug 2022 19:20

Instrument :

MSVOA_U

ClientSampleId :

F5D57

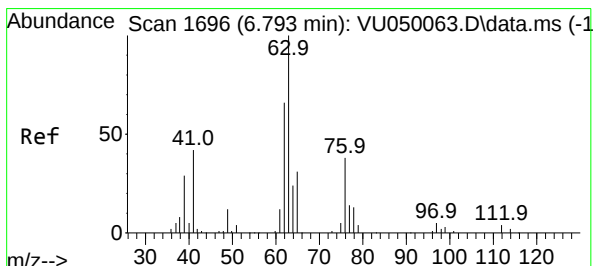
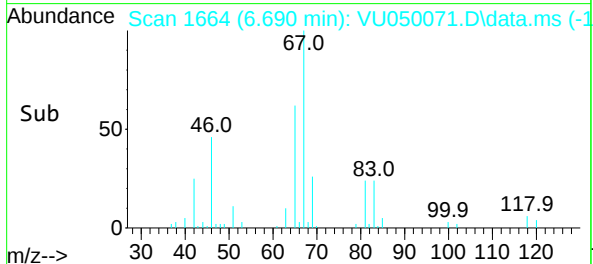
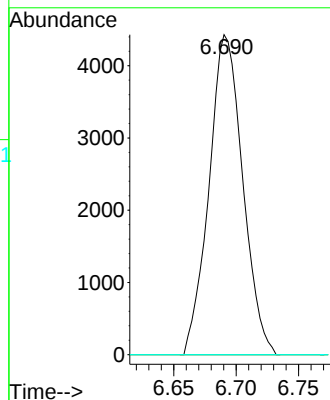
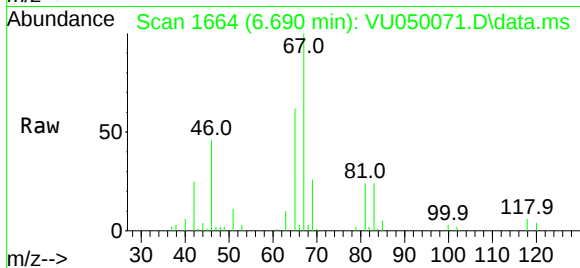
Tgt Ion: 83 Resp: 8337

Ion Ratio Lower Upper

83 100

55 0.0 62.7 94.1#

98 0.0 36.2 54.2#



#37

1,2-Dichloropropane

Concen: 0.594 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.103 min

Lab File: VU050071.D

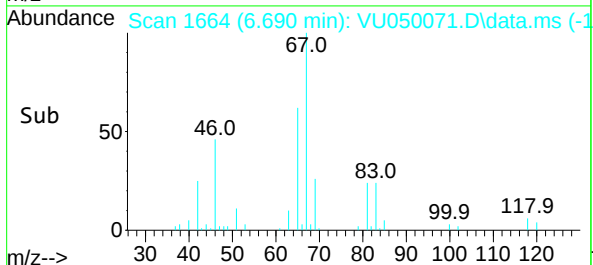
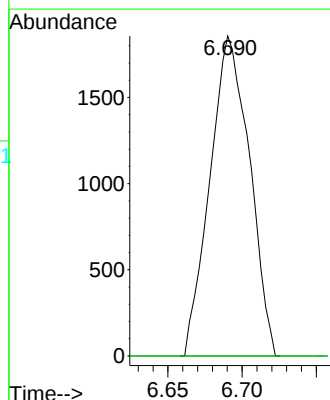
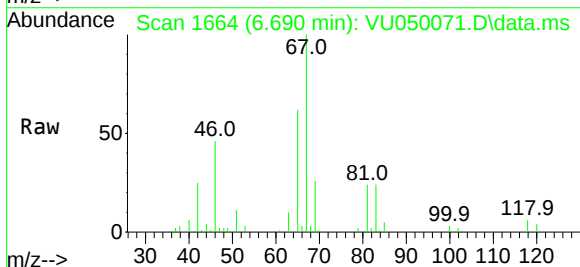
Acq: 04 Aug 2022 19:20

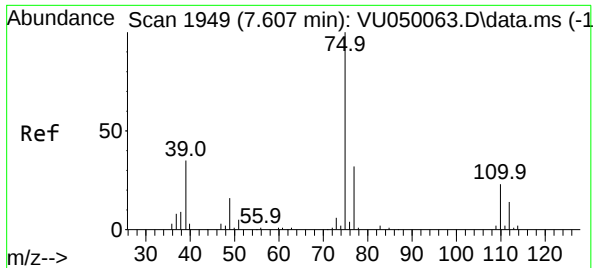
Tgt Ion: 63 Resp: 3444

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#





#39

cis-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.568 min Scan# 1949

Delta R.T. -0.039 min

Lab File: VU050071.D

Acq: 04 Aug 2022 19:20

Instrument :

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ClientSampleId :

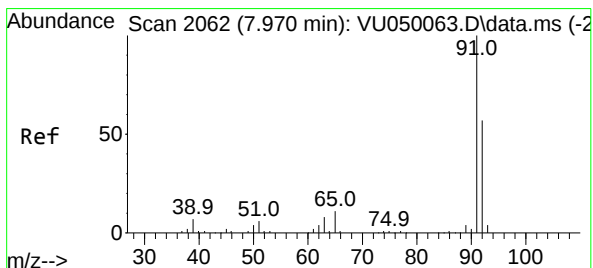
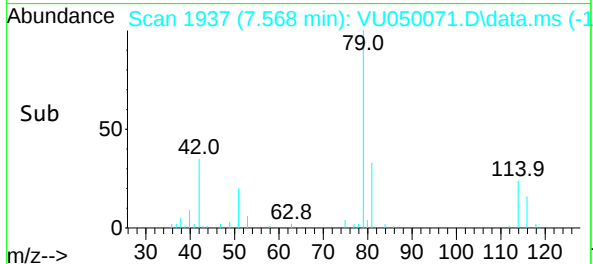
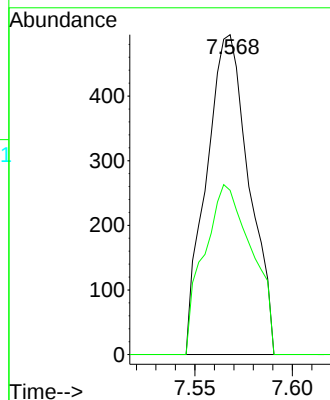
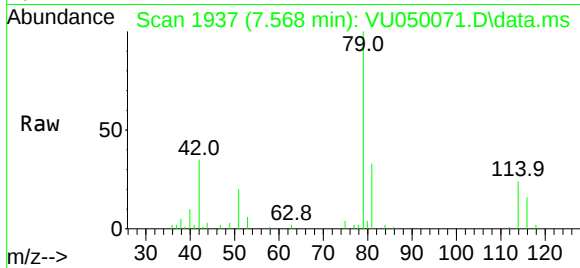
F5D57

Tgt Ion: 75 Resp: 755

Ion Ratio Lower Upper

75 100

77 51.3 21.8 40.4#



#42

Toluene

Concen: 0.238 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU050071.D

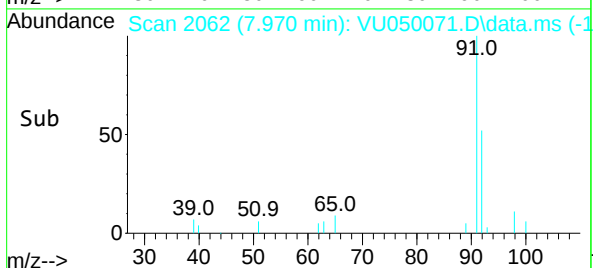
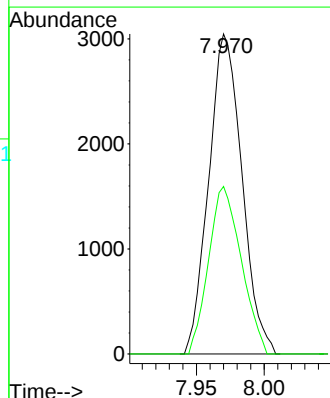
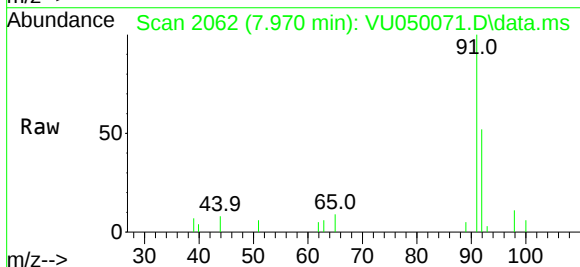
Acq: 04 Aug 2022 19:20

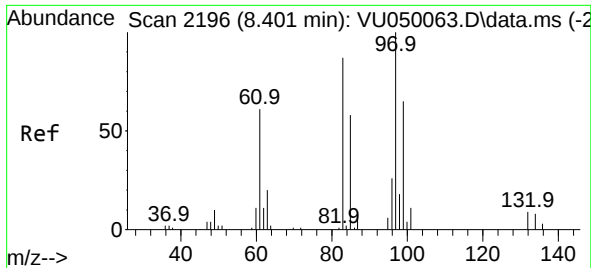
Tgt Ion: 91 Resp: 5189

Ion Ratio Lower Upper

91 100

92 52.4 39.8 74.0

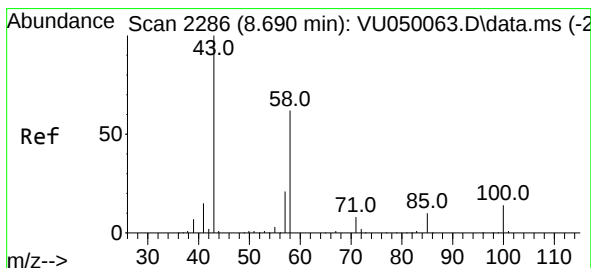
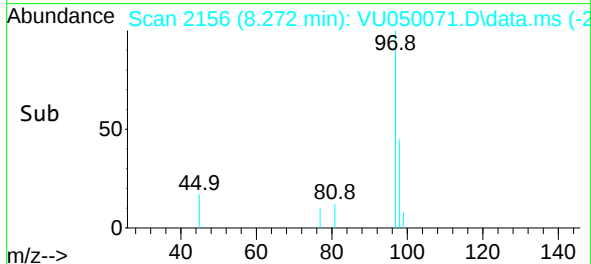
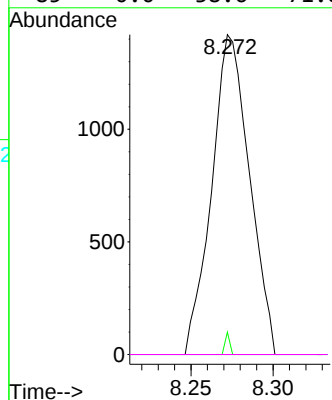
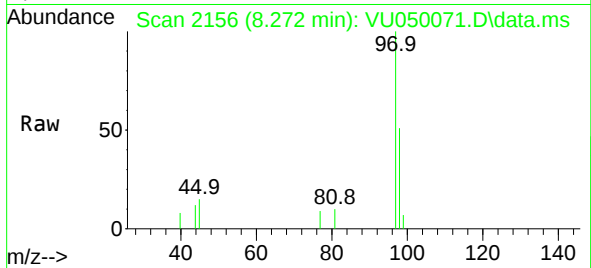




#45
1,1,2-Trichloroethane
Concen: 0.524 ug/L
RT: 8.272 min Scan# 2196
Delta R.T. -0.129 min
Lab File: VU050071.D
Acq: 04 Aug 2022 19:20

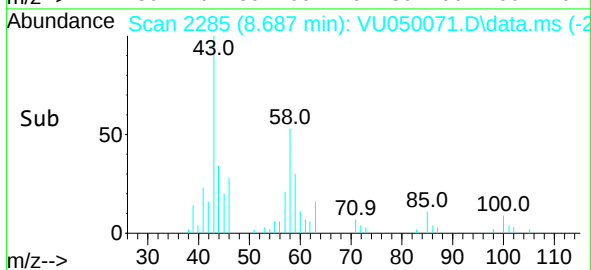
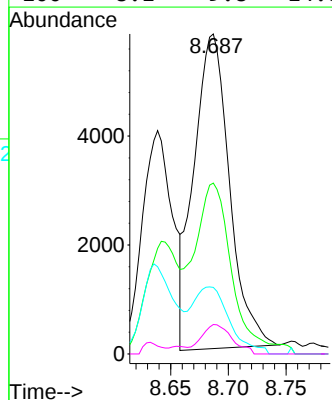
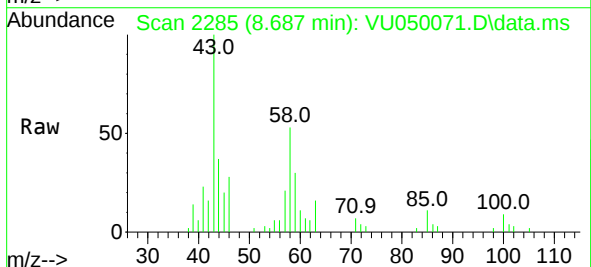
Instrument :
MSVOA_U
ClientSampleId :
F5D57

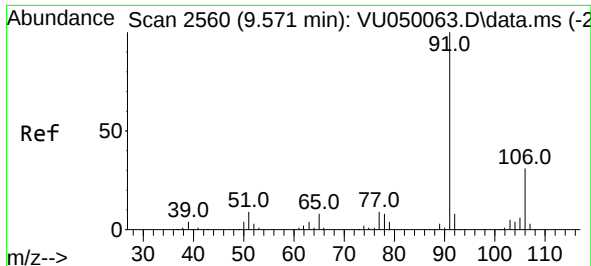
Tgt Ion:	97	Resp:	2269
Ion	Ratio	Lower	Upper
97	100		
99	7.0	42.2	78.4#
83	0.0	59.6	110.6#
85	0.0	38.6	71.8#



#48
2-Hexanone
Concen: 4.765 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. -0.003 min
Lab File: VU050071.D
Acq: 04 Aug 2022 19:20

Tgt Ion:	43	Resp:	12368
Ion	Ratio	Lower	Upper
43	100		
58	56.7	50.6	76.0
57	21.4	16.0	24.0
100	8.1	9.8	14.8#





#52

Ethylbenzene

Concen: 0.098 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. -0.000 min

Lab File: VU050071.D

Acq: 04 Aug 2022 19:20

Instrument :

MSVOA_U

ClientSampleId :

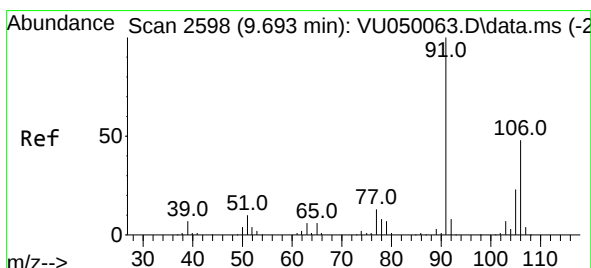
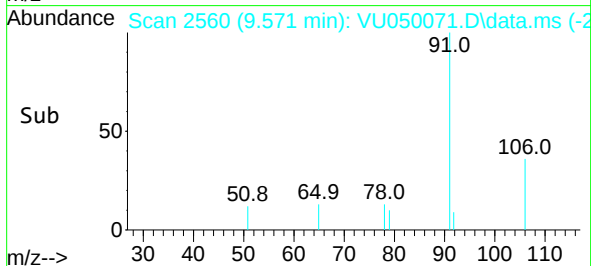
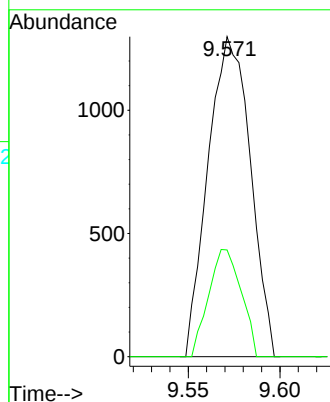
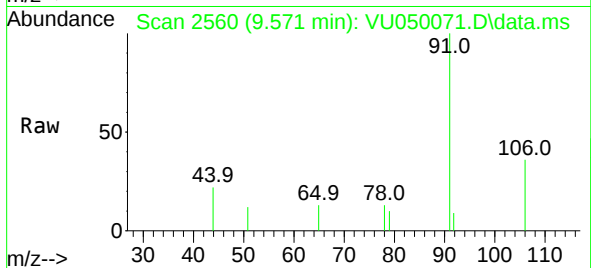
F5D57

Tgt Ion: 91 Resp: 2080

Ion Ratio Lower Upper

91 100

106 33.3 21.3 39.5



#53

m,p-Xylene

Concen: 0.308 ug/L

RT: 9.693 min Scan# 2598

Delta R.T. -0.000 min

Lab File: VU050071.D

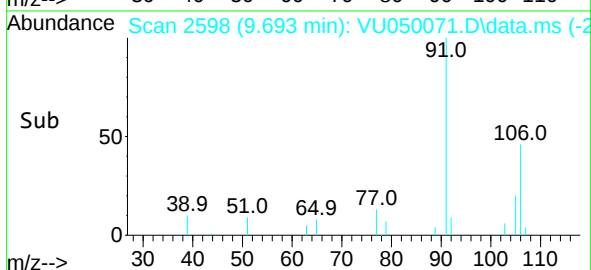
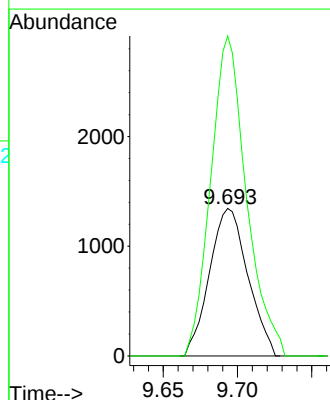
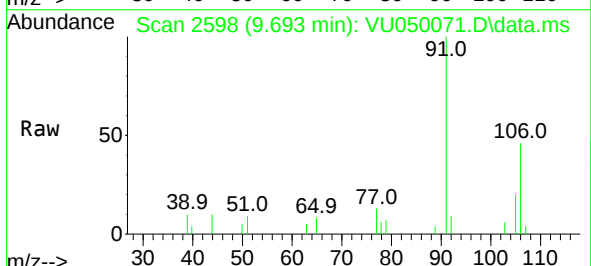
Acq: 04 Aug 2022 19:20

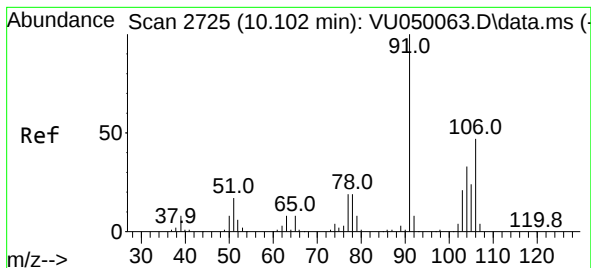
Tgt Ion: 106 Resp: 2414

Ion Ratio Lower Upper

106 100

91 217.0 143.1 265.9





#54

o-Xylene

Concen: 0.101 ug/L

RT: 10.102 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU050071.D

Acq: 04 Aug 2022 19:20

Instrument :

MSVOA_U

ClientSampleId :

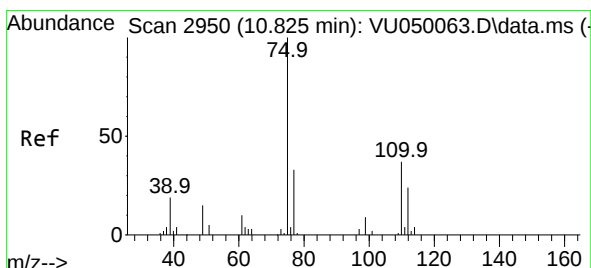
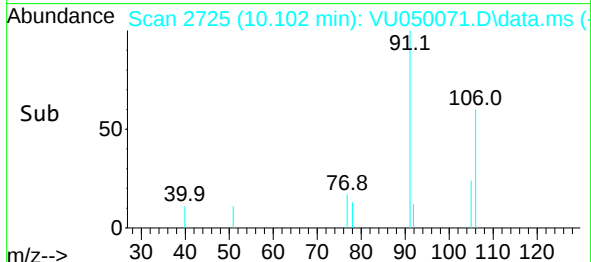
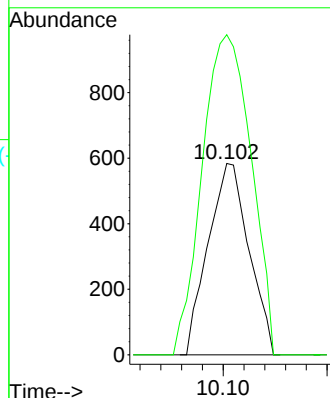
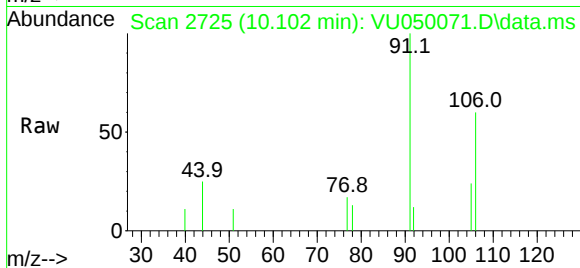
F5D57

Tgt Ion:106 Resp: 794

Ion Ratio Lower Upper

106 100

91 167.3 149.4 277.4



#61

1,2,3-Trichloropropane

Concen: 0.875 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.984 min

Lab File: VU050071.D

Acq: 04 Aug 2022 19:20

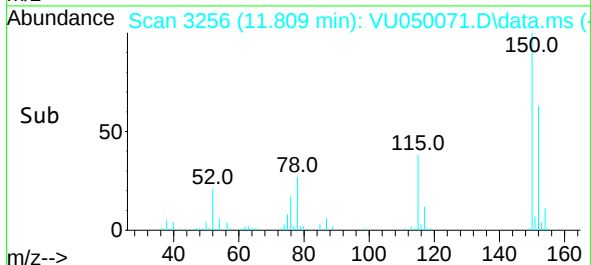
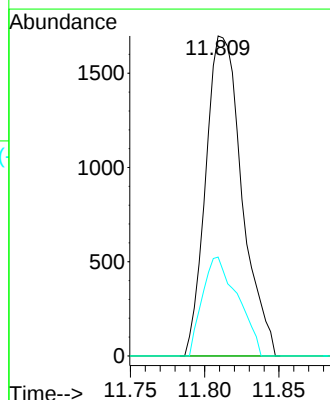
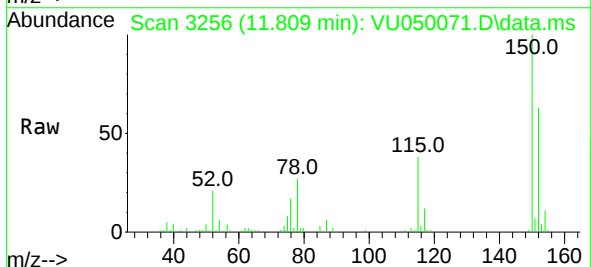
Tgt Ion: 75 Resp: 2885

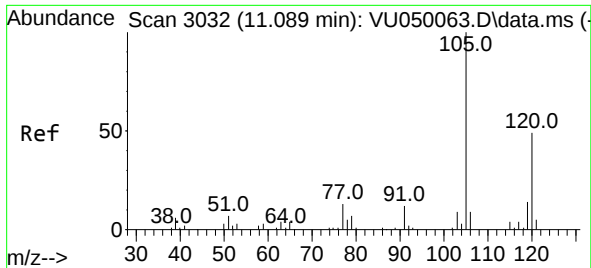
Ion Ratio Lower Upper

75 100

110 0.0 28.5 42.7#

77 30.1 25.8 38.6

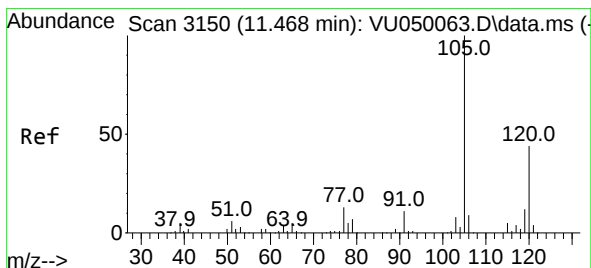
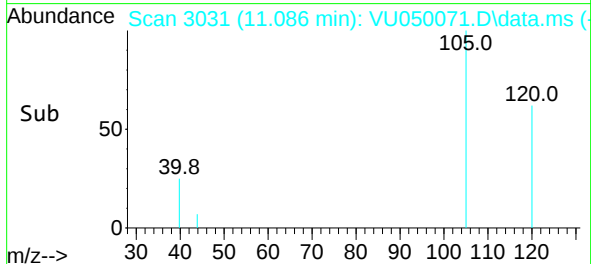
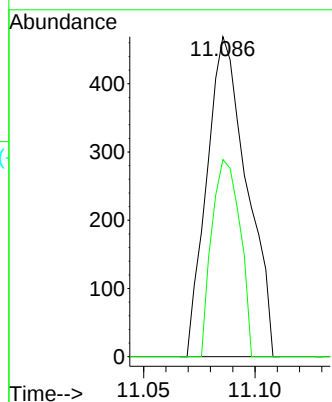
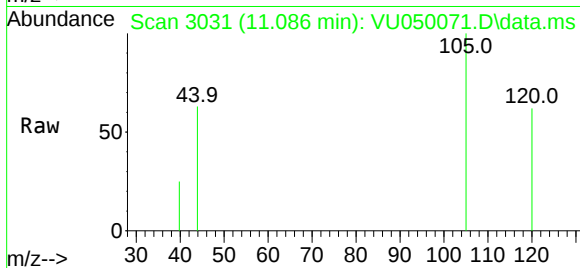




#62
 1,3,5-Trimethylbenzene
 Concen: 0.128 ug/L
 RT: 11.086 min Scan# 3032
 Delta R.T. -0.003 min
 Lab File: VU050071.D
 Acq: 04 Aug 2022 19:20

Instrument :
 MSVOA_U
 ClientSampleId :
 F5D57

Tgt Ion:105 Resp: 584
 Ion Ratio Lower Upper
 105 100
 120 43.3 38.9 58.3



#63
 1,2,4-Trimethylbenzene
 Concen: 0.139 ug/L
 RT: 11.471 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VU050071.D
 Acq: 04 Aug 2022 19:20

Tgt Ion:105 Resp: 1733
 Ion Ratio Lower Upper
 105 100
 120 46.6 35.9 53.9

