

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053513.D
 Acq On : 03 Apr 2023 12:30
 Operator : JC/MD
 Sample : 02121-15ME
 Misc : 3.42g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 04 02:20:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

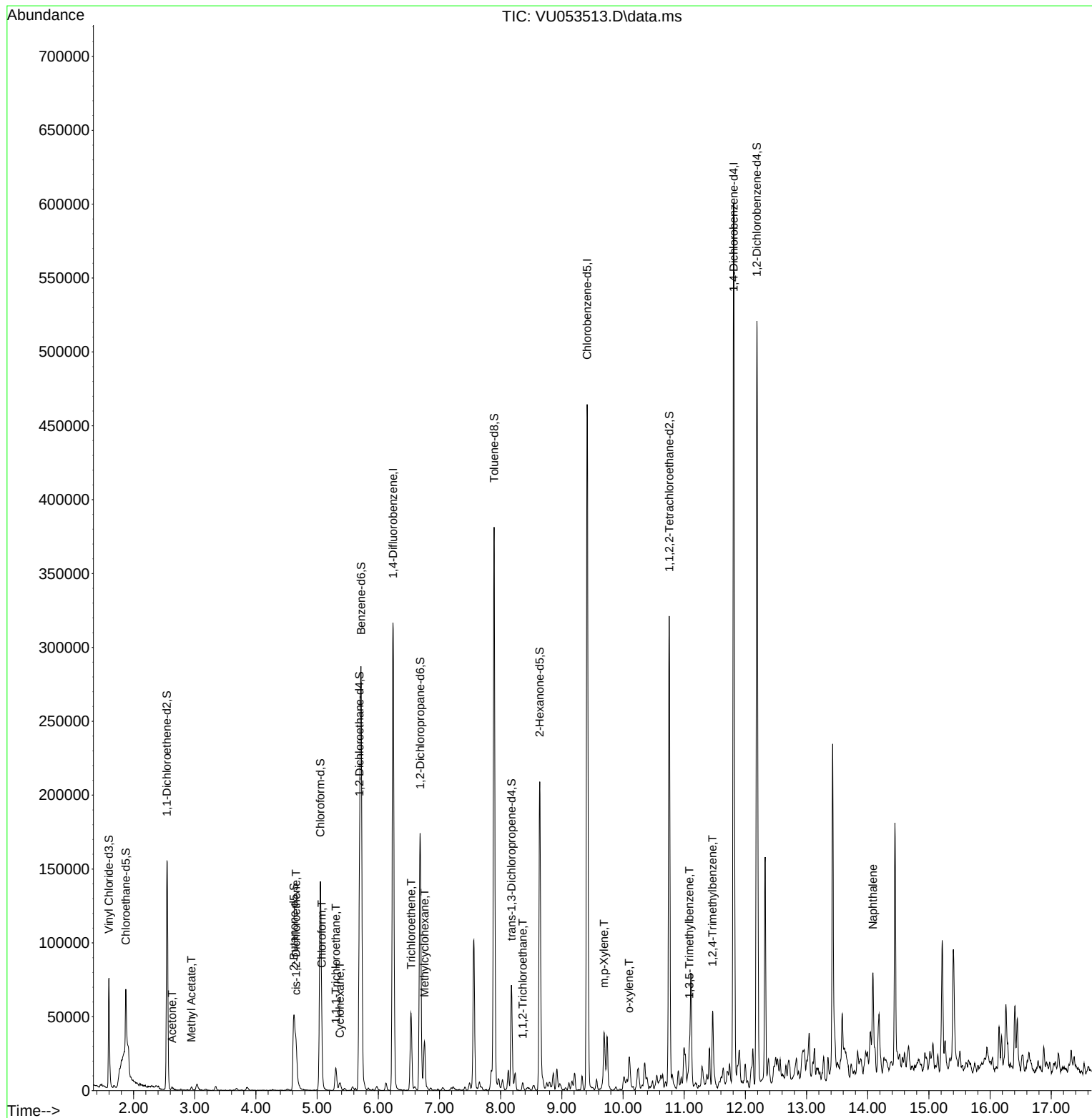
Internal Standards						
1) 1,4-Difluorobenzene	6.240	114	281823	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	276709	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	155915	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	60114	27.394	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	54.780%#		
7) Chloroethane-d5	1.874	69	27616	16.322	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery =	32.640%#		
11) 1,1-Dichloroethene-d2	2.546	63	89496	26.346	ug/L	-0.02
Spiked Amount 50.000	Range 60 - 125		Recovery =	52.700%#		
21) 2-Butanone-d5	4.620	46	89509	90.090	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.090%		
24) Chloroform-d	5.054	84	129278	35.621	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	71.240%		
26) 1,2-Dichloroethane-d4	5.694	65	87230	40.676	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.360%		
32) Benzene-d6	5.719	84	271670	36.372	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	72.740%		
36) 1,2-Dichloropropane-d6	6.684	67	86564	37.917	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	75.840%		
41) Toluene-d8	7.893	98	260123	35.040	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	70.080%#		
43) trans-1,3-Dichloroprop...	8.176	79	43817	37.182	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.360%		
47) 2-Hexanone-d5	8.639	63	77080	98.928	ug/L	0.01
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.930%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	148351	46.104	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.200%		
66) 1,2-Dichlorobenzene-d4	12.188	152	127608	39.210	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	78.420%#		
Target Compounds						Qvalue
13) Acetone	2.629	43	2289	2.564	ug/L	69
15) Methyl Acetate	2.944	43	2515	1.839	ug/L	99
20) cis-1,2-Dichloroethene	4.655	96	10326	5.144	ug/L	86
25) Chloroform	5.076	83	6850	2.075	ug/L	99
29) Cyclohexane	5.372	56	2374	0.891	ug/L #	61
30) 1,1,1-Trichloroethane	5.308	97	11107	3.643	ug/L	98
34) Trichloroethene	6.536	95	17069	7.828	ug/L	93
35) Methylcyclohexane	6.755	83	15043	4.693	ug/L	93
45) 1,1,2-Trichloroethane	8.359	97	1596	0.794	ug/L #	21
53) m,p-Xylene	9.690	106	10001	2.812	ug/L	91
54) o-xylene	10.099	106	5040	1.433	ug/L	82
62) 1,3,5-Trimethylbenzene	11.086	105	14110	1.841	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	25607	3.374	ug/L	98
71) Naphthalene	14.082	128	45100	4.556	ug/L	99

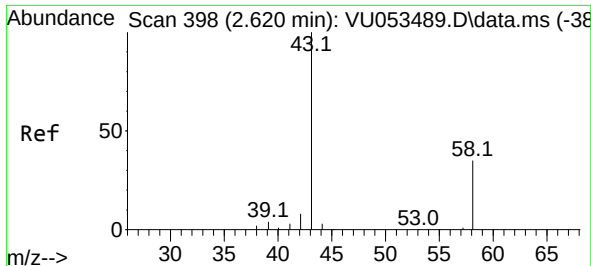
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Apr 01 04:51:17 2023
Response via : Initial Calibration





#13

Acetone

Concen: 2.564 ug/L

RT: 2.629 min Scan# 401

Delta R.T. 0.010 min

Lab File: VU053513.D

Acq: 03 Apr 2023 12:30

Instrument :

MSVOA_U

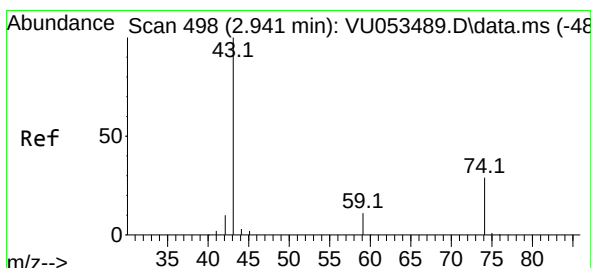
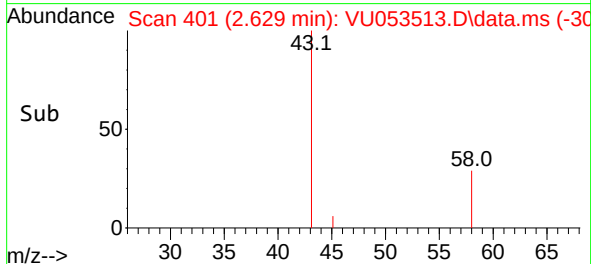
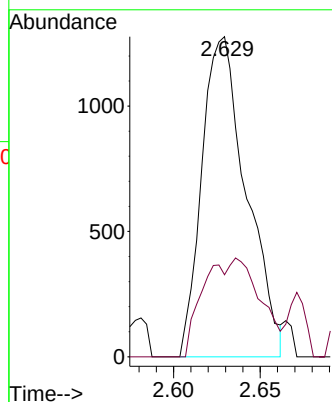
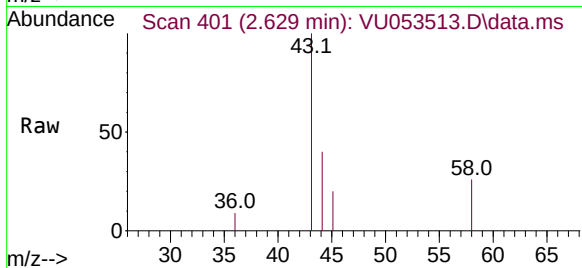
ClientSampleId :

Tgt Ion: 43 Resp: 2289

Ion Ratio Lower Upper

43 100

58 16.9 0.0 70.2



#15

Methyl Acetate

Concen: 1.839 ug/L

RT: 2.944 min Scan# 499

Delta R.T. 0.003 min

Lab File: VU053513.D

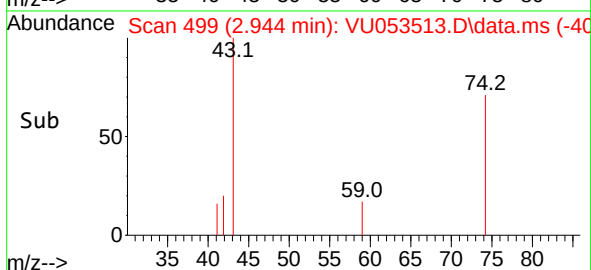
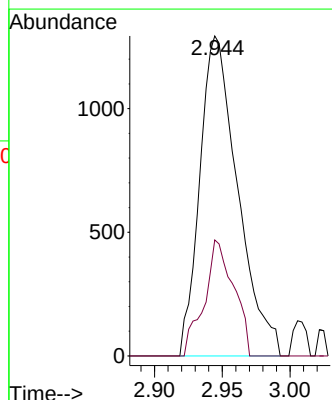
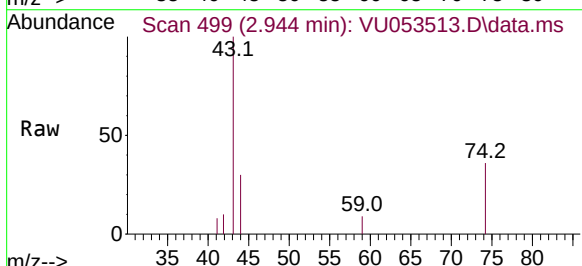
Acq: 03 Apr 2023 12:30

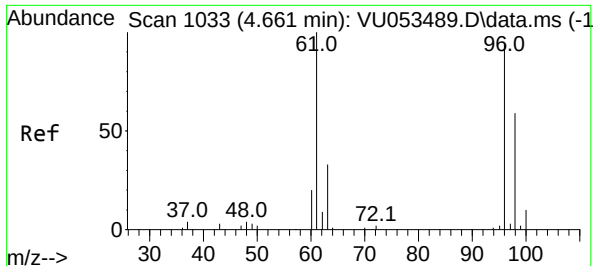
Tgt Ion: 43 Resp: 2515

Ion Ratio Lower Upper

43 100

74 28.2 22.0 33.0

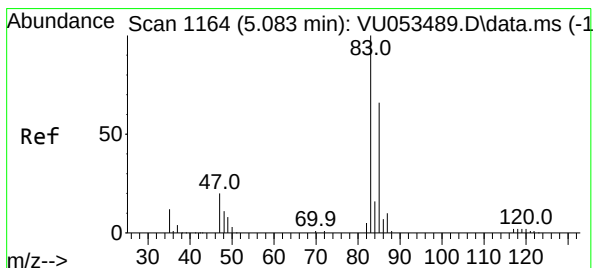
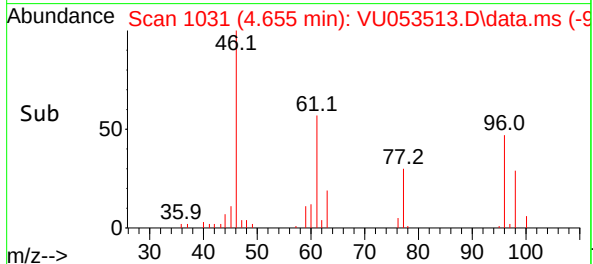
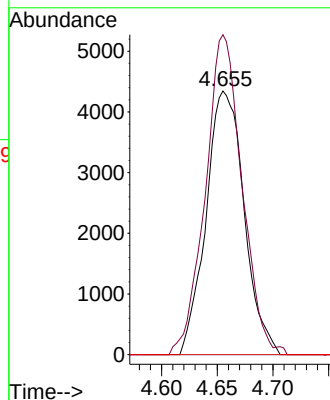
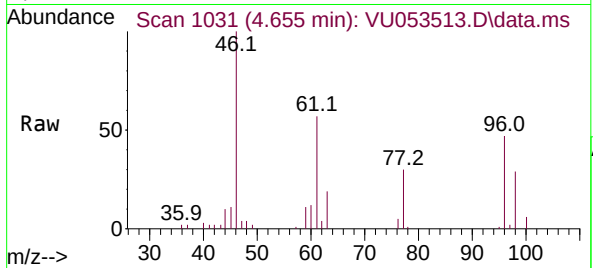




#20
cis-1,2-Dichloroethene
Concen: 5.144 ug/L
RT: 4.655 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VU053513.D
Acq: 03 Apr 2023 12:30

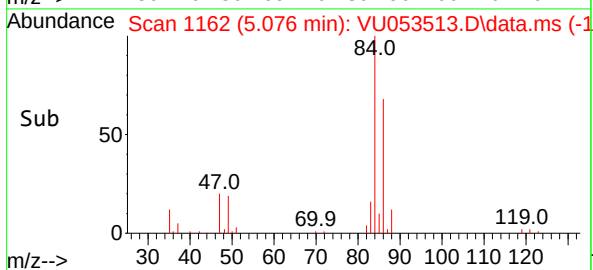
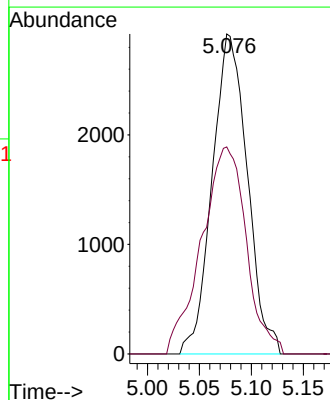
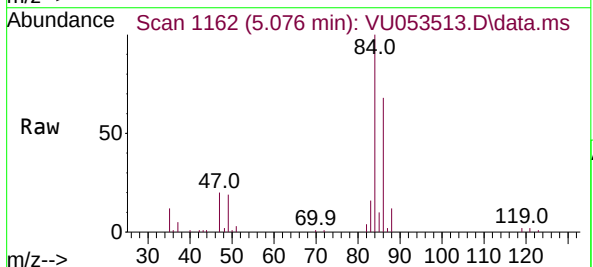
Instrument :
MSVOA_U
ClientSampleId :

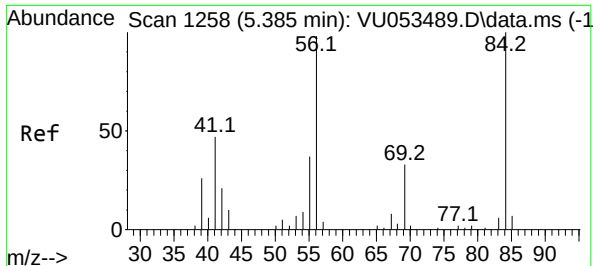
Tgt Ion: 96 Resp: 10326
Ion Ratio Lower Upper
96 100
61 121.3 74.7 138.7
68 0.0 0.0 0.0



#25
Chloroform
Concen: 2.075 ug/L
RT: 5.076 min Scan# 1162
Delta R.T. -0.006 min
Lab File: VU053513.D
Acq: 03 Apr 2023 12:30

Tgt Ion: 83 Resp: 6850
Ion Ratio Lower Upper
83 100
85 64.7 46.1 85.5





#29

Cyclohexane

Concen: 0.891 ug/L

RT: 5.372 min Scan# 11

Delta R.T. -0.013 min

Lab File: VU053513.D

Acq: 03 Apr 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

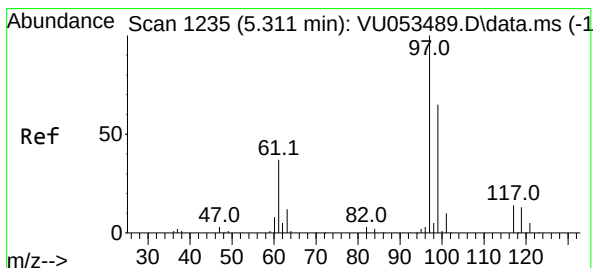
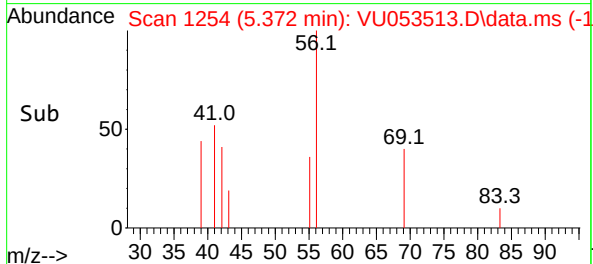
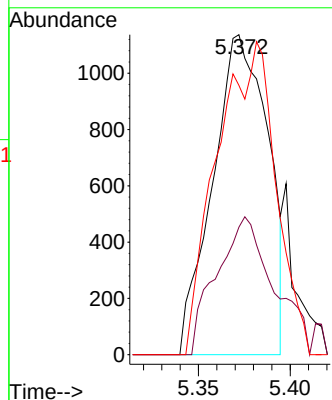
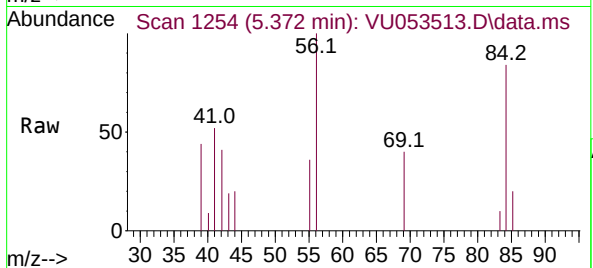
Tgt Ion: 56 Resp: 2374

Ion Ratio Lower Upper

56 100

69 44.5 27.3 40.9#

84 55.3 81.3 121.9#



#30

1,1,1-Trichloroethane

Concen: 3.643 ug/L

RT: 5.308 min Scan# 1234

Delta R.T. -0.003 min

Lab File: VU053513.D

Acq: 03 Apr 2023 12:30

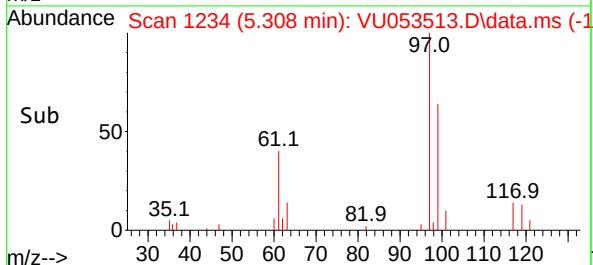
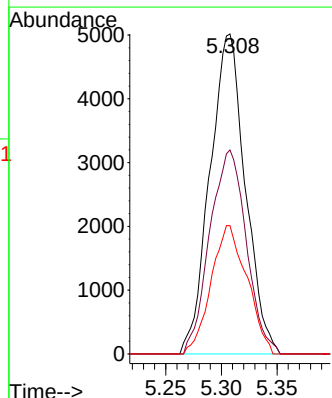
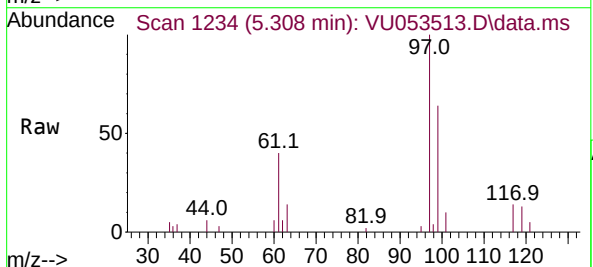
Tgt Ion: 97 Resp: 11107

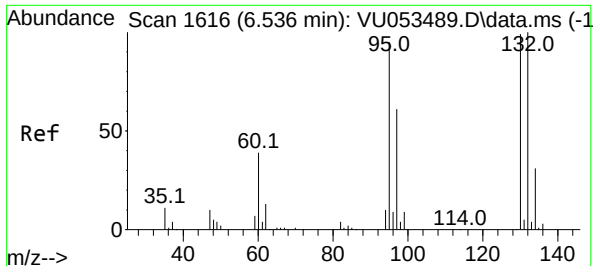
Ion Ratio Lower Upper

97 100

99 65.7 51.6 77.4

61 40.6 31.0 46.4





#34

Trichloroethene

Concen: 7.828 ug/L

RT: 6.536 min Scan# 1

Delta R.T. 0.000 min

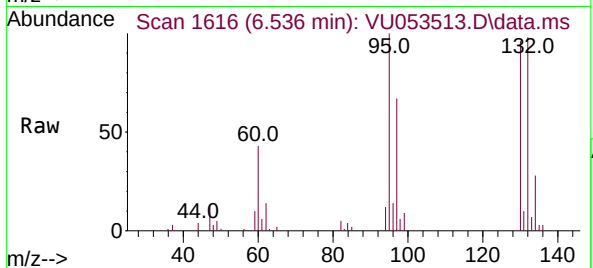
Lab File: VU053513.D

Acq: 03 Apr 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 17069

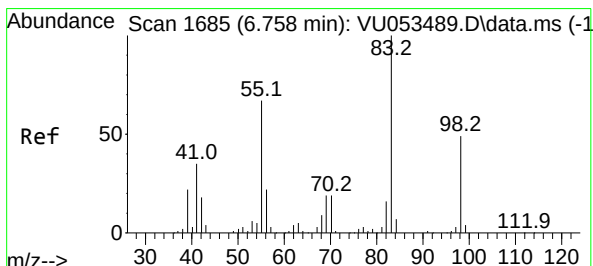
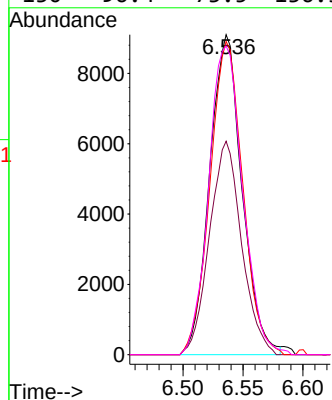
Ion Ratio Lower Upper

95 100

97 66.7 45.1 83.7

132 97.9 74.1 137.5

130 96.4 73.5 136.5



#35

Methylcyclohexane

Concen: 4.693 ug/L

RT: 6.755 min Scan# 1684

Delta R.T. -0.003 min

Lab File: VU053513.D

Acq: 03 Apr 2023 12:30

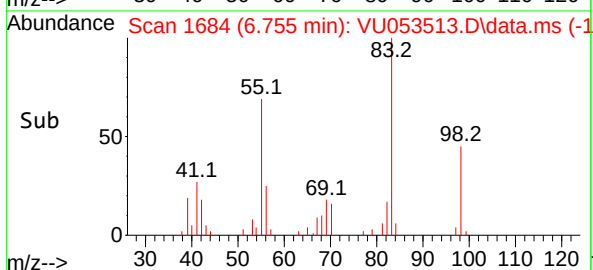
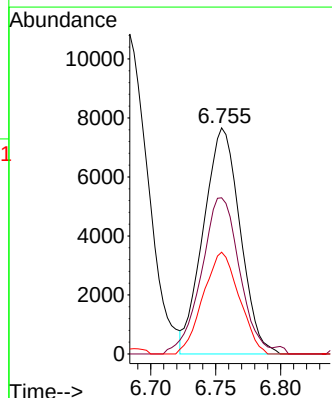
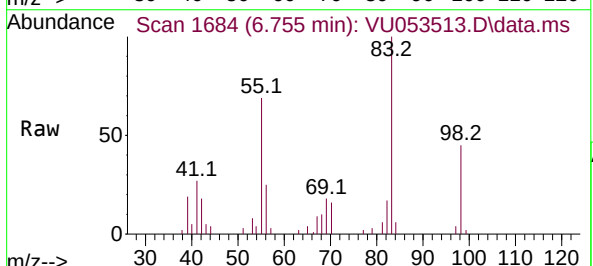
Tgt Ion: 83 Resp: 15043

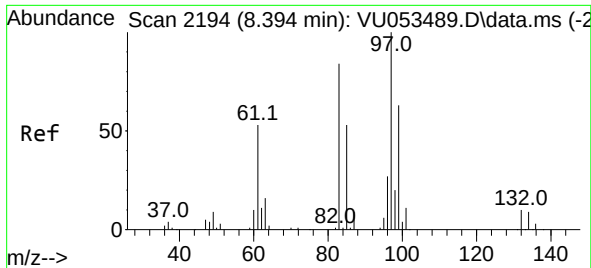
Ion Ratio Lower Upper

83 100

55 71.7 53.0 79.6

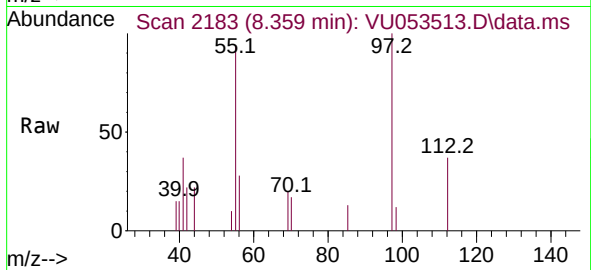
98 44.2 39.0 58.6



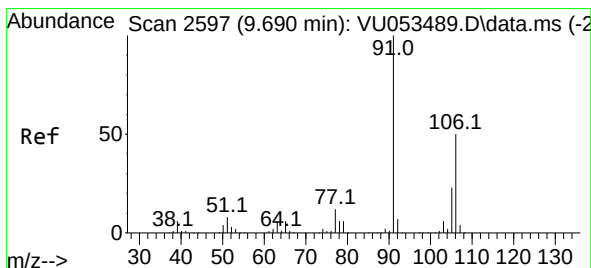
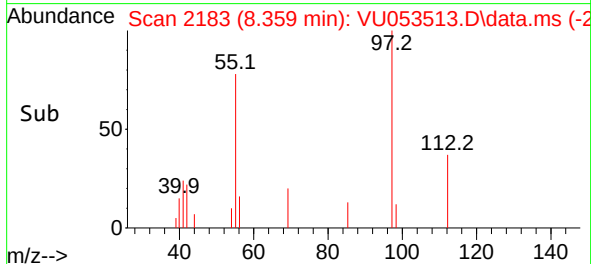
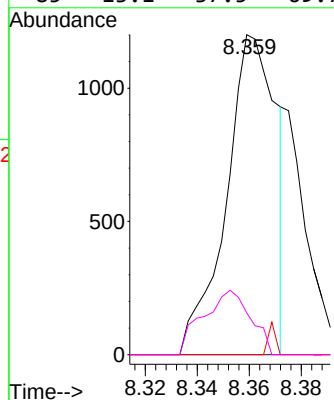


#45
1,1,2-Trichloroethane
Concen: 0.794 ug/L
RT: 8.359 min Scan# 2194
Delta R.T. -0.035 min
Lab File: VU053513.D
Acq: 03 Apr 2023 12:30

Instrument :
MSVOA_U
ClientSampleId :

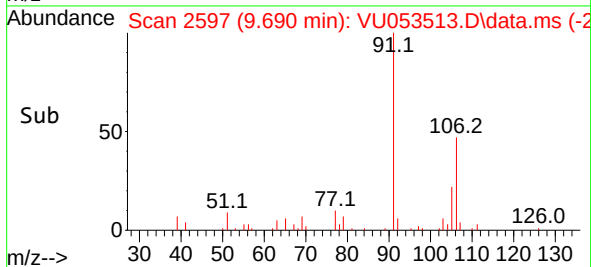
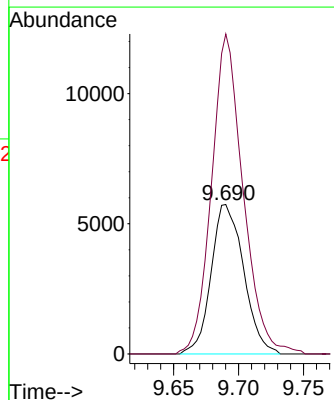
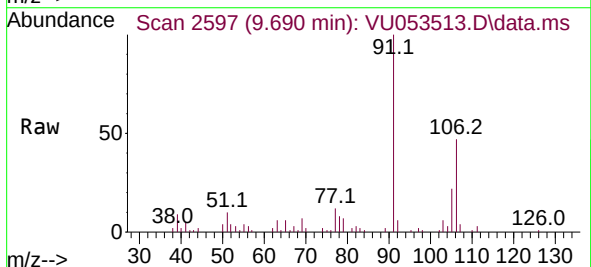


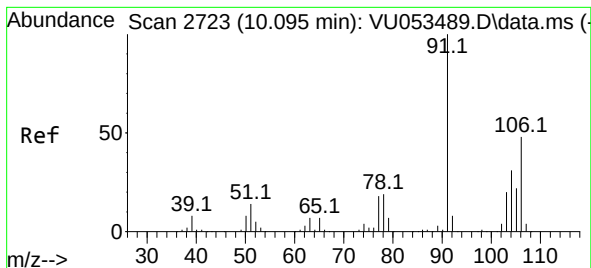
Tgt Ion: 97	Resp: 1596
Ion Ratio	Lower Upper
97 100	
99 0.0	43.8 81.3#
83 0.0	59.0 109.6#
85 13.1	37.5 69.7#



#53
m,p-Xylene
Concen: 2.812 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053513.D
Acq: 03 Apr 2023 12:30

Tgt Ion: 106	Resp: 10001
Ion Ratio	Lower Upper
106 100	
91 214.0	140.0 260.0





#54

o-xylene

Concen: 1.433 ug/L

RT: 10.099 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053513.D

Acq: 03 Apr 2023 12:30

Instrument :

MSVOA_U

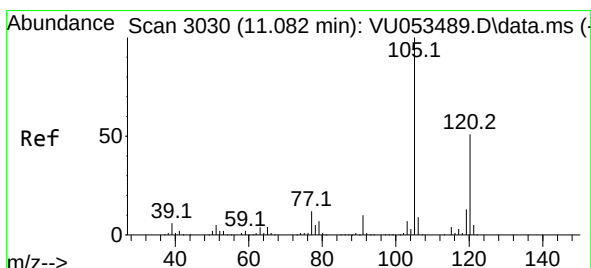
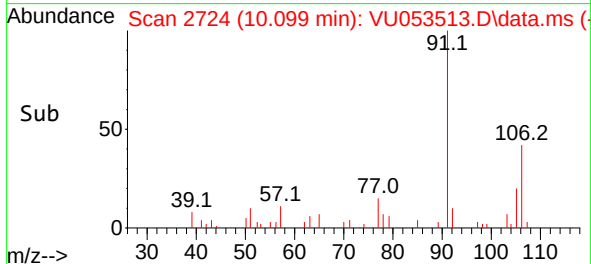
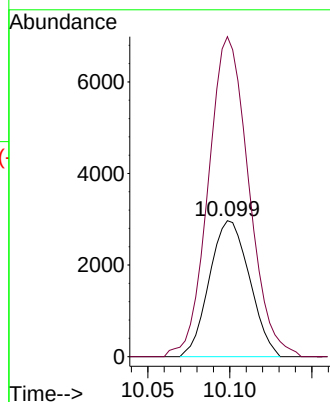
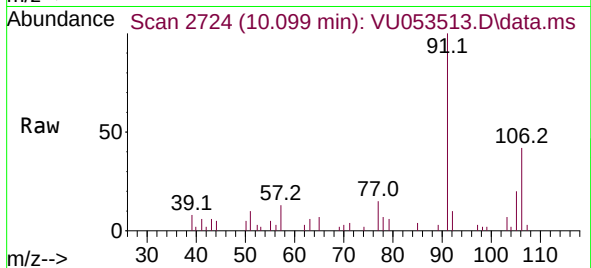
ClientSampleId :

Tgt Ion:106 Resp: 5040

Ion Ratio Lower Upper

106 100

91 235.4 144.9 269.1



#62

1,3,5-Trimethylbenzene

Concen: 1.841 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.003 min

Lab File: VU053513.D

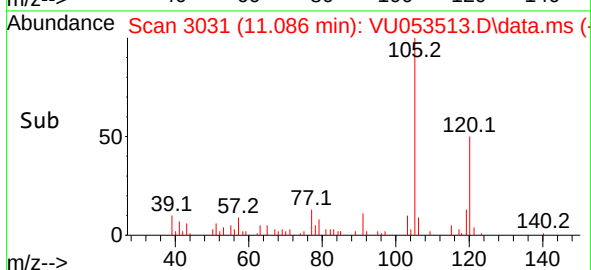
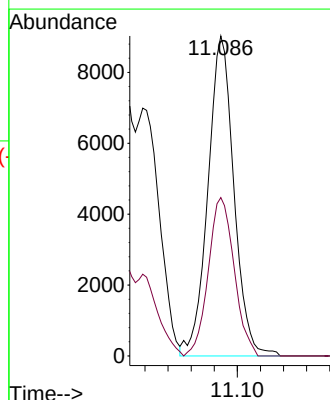
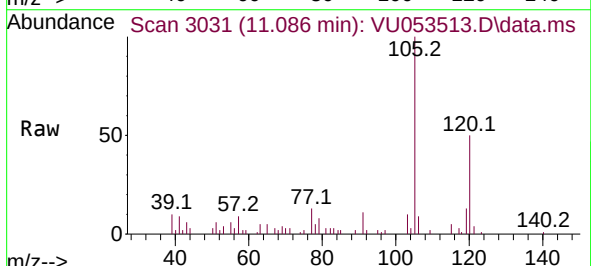
Acq: 03 Apr 2023 12:30

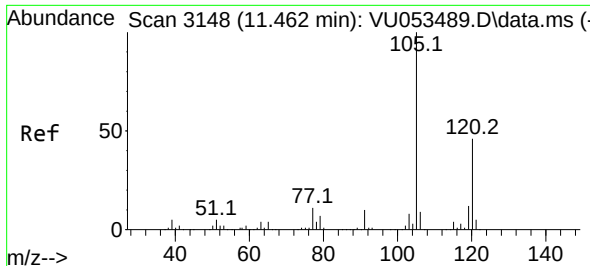
Tgt Ion:105 Resp: 14110

Ion Ratio Lower Upper

105 100

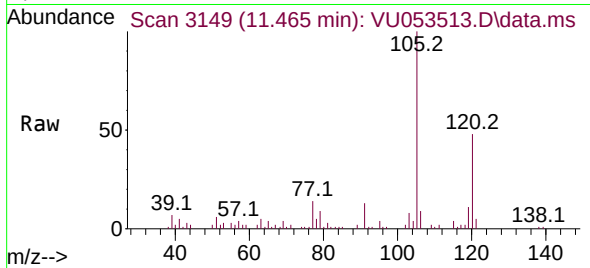
120 49.2 39.5 59.3



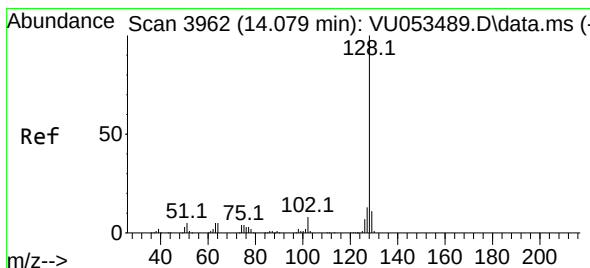
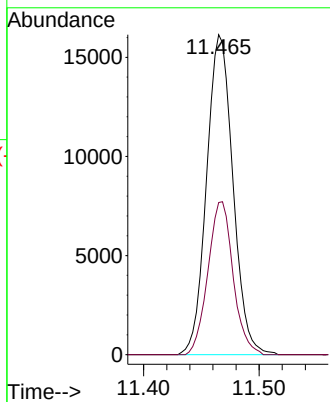
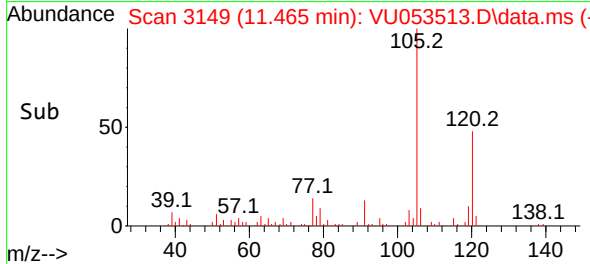


#63
1,2,4-Trimethylbenzene
Concen: 3.374 ug/L
RT: 11.465 min Scan# 3148
Delta R.T. 0.003 min
Lab File: VU053513.D
Acq: 03 Apr 2023 12:30

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:105 Resp: 25607
Ion Ratio Lower Upper
105 100
120 45.7 37.5 56.3



#71
Naphthalene
Concen: 4.556 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU053513.D
Acq: 03 Apr 2023 12:30

Tgt Ion:128 Resp: 45100
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 10.7 8.6 12.8

