

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053441.D
 Acq On : 28 Mar 2023 18:14
 Operator : JC/MD
 Sample : 02054-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EYF58

Quant Time: Mar 29 01:13:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 29 01:10:06 2023
 Response via : Initial Calibration

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

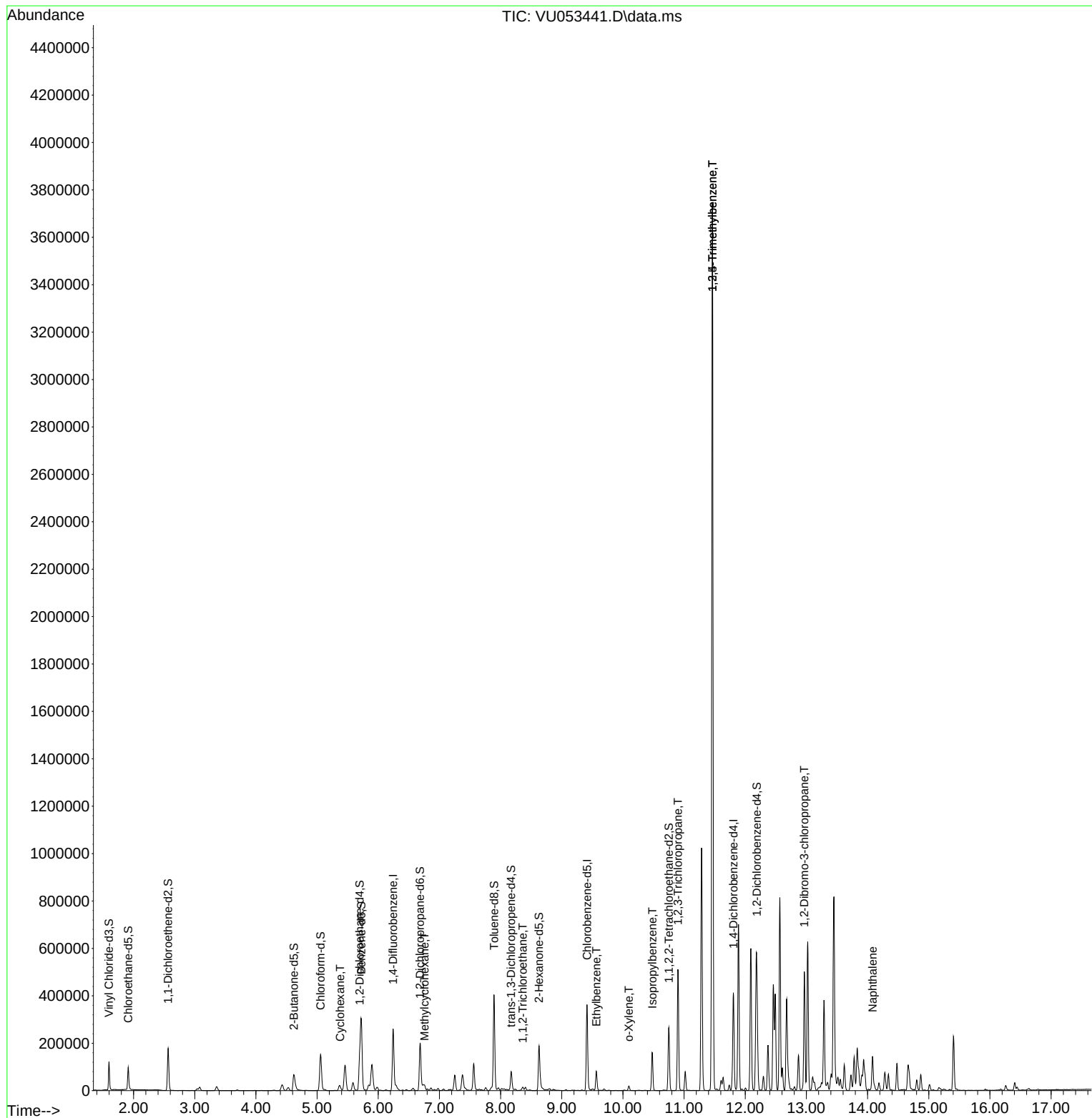
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	208727	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	194183	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	101384	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	85713	44.512	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.020%		
7) Chloroethane-d5	1.912	69	69569	44.664	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.320%		
11) 1,1-Dichloroethene-d2	2.565	63	105547	31.641	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.280%		
21) 2-Butanone-d5	4.620	46	107819	120.723	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	120.720%		
24) Chloroform-d	5.057	84	135662	42.774	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.540%		
26) 1,2-Dichloroethane-d4	5.697	65	93790	47.616	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.240%		
32) Benzene-d6	5.723	84	282186	44.803	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.600%		
36) 1,2-Dichloropropane-d6	6.684	67	96553	47.498	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.000%		
41) Toluene-d8	7.893	98	261199	44.543	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.080%		
43) trans-1,3-Dichloroprop...	8.173	79	43362	43.235	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.460%		
47) 2-Hexanone-d5	8.626	63	63595	100.067	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	100.070%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	127919	48.577	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.160%		
66) 1,2-Dichlorobenzene-d4	12.189	152	103568	52.758	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.520%		
Target Compounds						Qvalue
29) Cyclohexane	5.375	56	6313	2.182	ug/L #	62
35) Methylcyclohexane	6.758	83	9243	3.004	ug/L	90
45) 1,1,2-Trichloroethane	8.362	97	4716	2.757	ug/L #	18
52) Ethylbenzene	9.565	91	56924	6.936	ug/L	94
54) o-Xylene	10.095	106	5657	1.867	ug/L	92
60) 1,2,3-Trichloropropane	10.899	75	2362	1.172	ug/L #	1
61) Isopropylbenzene	10.481	105	101271	12.642	ug/L	99
62) 1,3,5-Trimethylbenzene	11.462	105	1974113	297.723	ug/L	97
63) 1,2,4-Trimethylbenzene	11.462	105	1974113	305.439	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.967	75	2033	3.649	ug/L #	7
71) Naphthalene	14.082	128	115899	17.967	ug/L	97

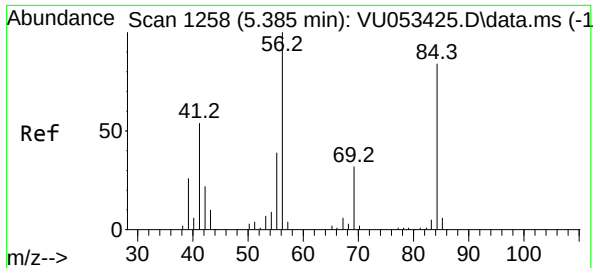
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#29

Cyclohexane

Concen: 2.182 ug/L

RT: 5.375 min Scan# 1

Delta R.T. -0.010 min

Lab File: VU053441.D

Acq: 28 Mar 2023 18:14

Instrument :

MSVOA_U

ClientSampleId :

EYF58

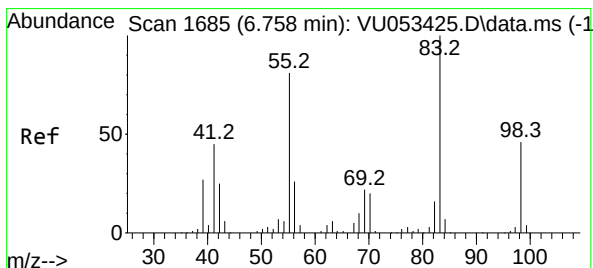
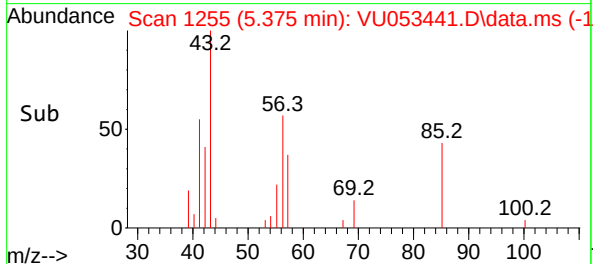
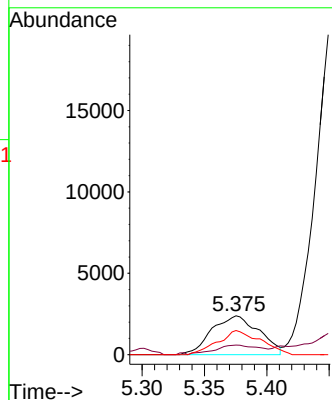
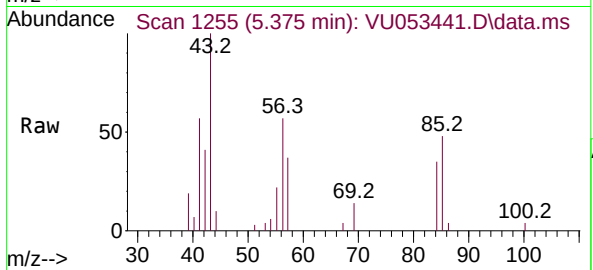
Tgt Ion: 56 Resp: 6313

Ion Ratio Lower Upper

56 100

69 23.1 25.4 38.0#

84 43.8 69.0 103.6#



#35

Methylcyclohexane

Concen: 3.004 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VU053441.D

Acq: 28 Mar 2023 18:14

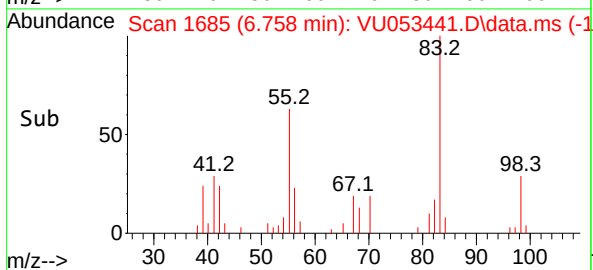
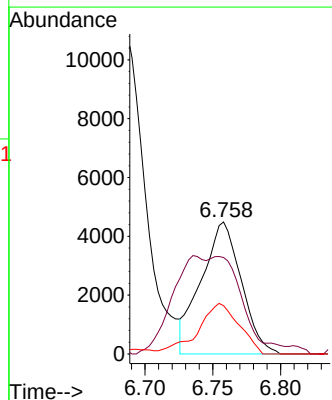
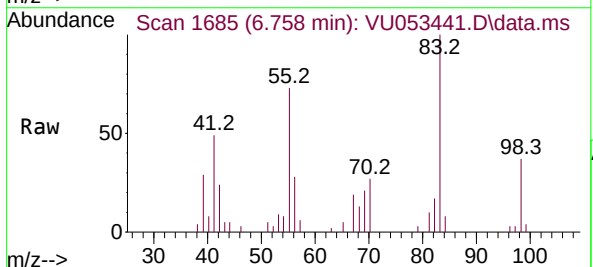
Tgt Ion: 83 Resp: 9243

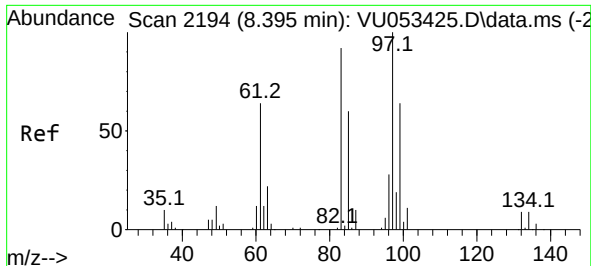
Ion Ratio Lower Upper

83 100

55 62.8 58.2 87.4

98 39.1 35.4 53.2

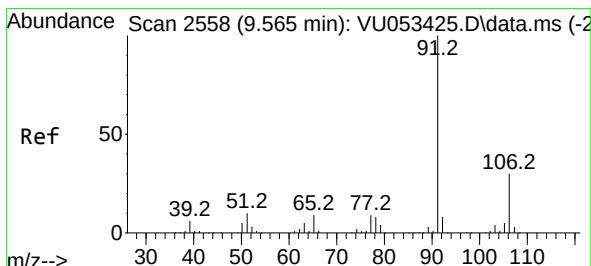
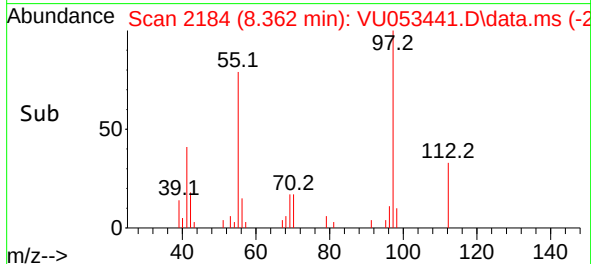
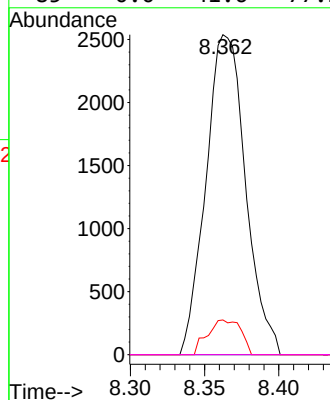
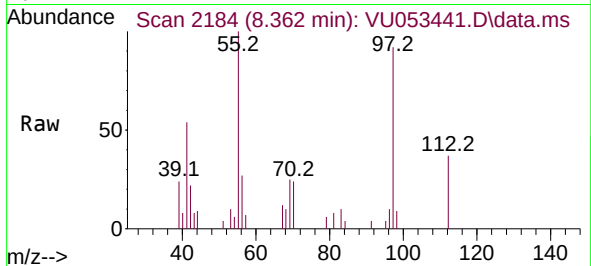




#45
1,1,2-Trichloroethane
Concen: 2.757 ug/L
RT: 8.362 min Scan# 2184
Delta R.T. -0.032 min
Lab File: VU053441.D
Acq: 28 Mar 2023 18:14

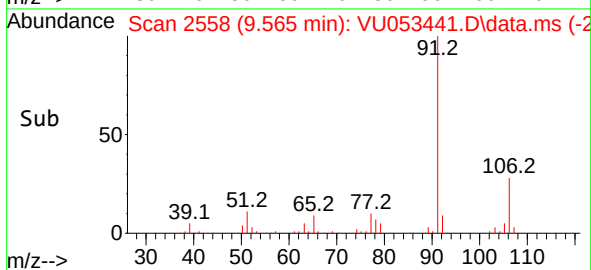
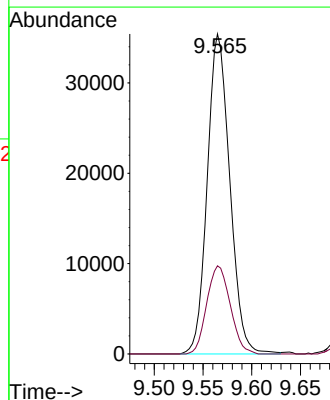
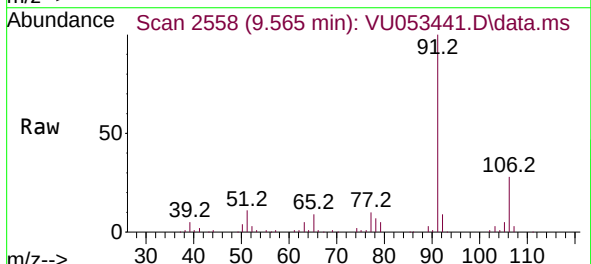
Instrument :
MSVOA_U
ClientSampleId :
EYF58

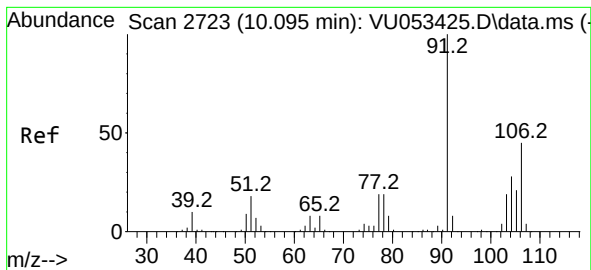
Tgt Ion:	97	Resp:	4716
Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.4	82.4#
83	10.8	63.8	118.6#
85	0.0	41.6	77.2#



#52
Ethylbenzene
Concen: 6.936 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053441.D
Acq: 28 Mar 2023 18:14

Tgt Ion:	91	Resp:	56924
Ion	Ratio	Lower	Upper
91	100		
106	27.5	21.6	40.0





#54

o-Xylene

Concen: 1.867 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053441.D

Acq: 28 Mar 2023 18:14

Instrument :

MSVOA_U

ClientSampleId :

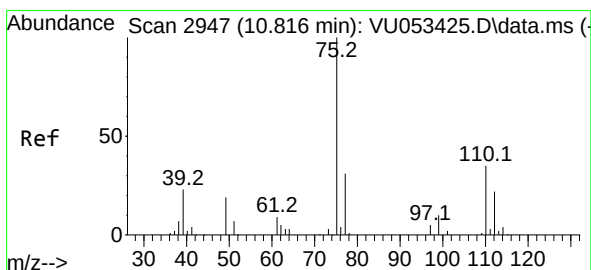
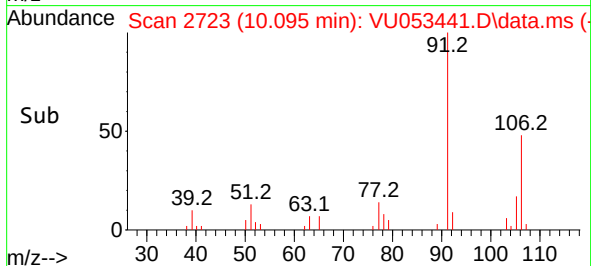
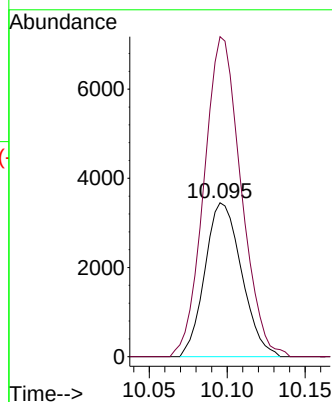
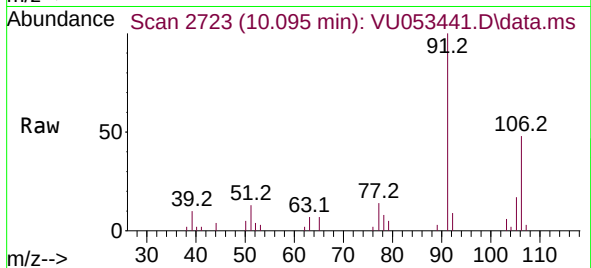
EYF58

Tgt Ion:106 Resp: 5657

Ion Ratio Lower Upper

106 100

91 207.8 154.9 287.7



#60

1,2,3-Trichloropropane

Concen: 1.172 ug/L

RT: 10.899 min Scan# 2973

Delta R.T. 0.084 min

Lab File: VU053441.D

Acq: 28 Mar 2023 18:14

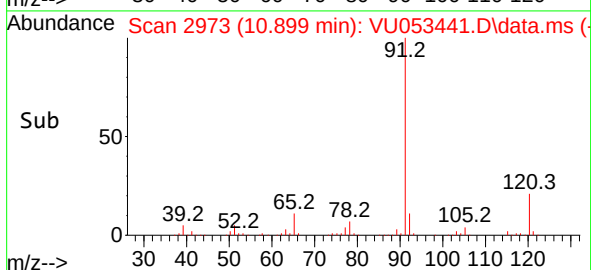
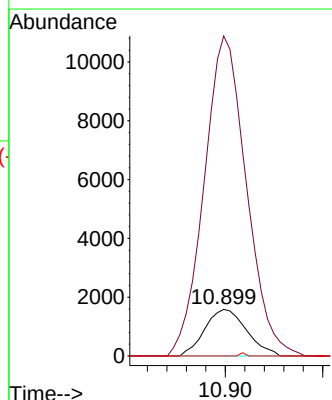
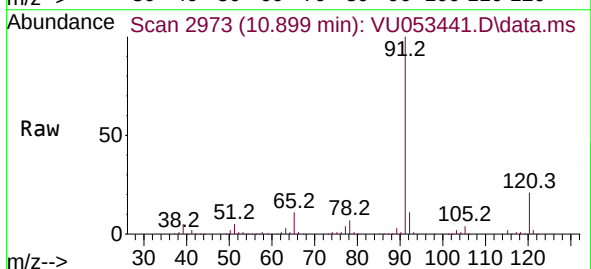
Tgt Ion: 75 Resp: 2362

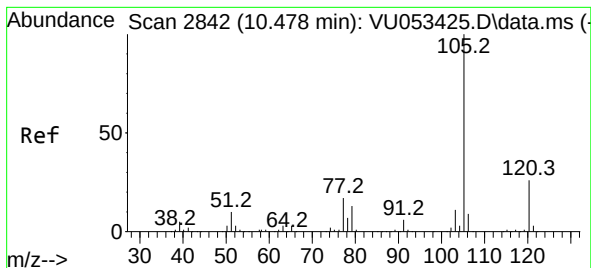
Ion Ratio Lower Upper

75 100

77 693.4 26.6 40.0#

110 0.0 28.6 42.8#





#61

Isopropylbenzene

Concen: 12.642 ug/L

RT: 10.481 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053441.D

Acq: 28 Mar 2023 18:14

Instrument :

MSVOA_U

ClientSampleId :

EYF58

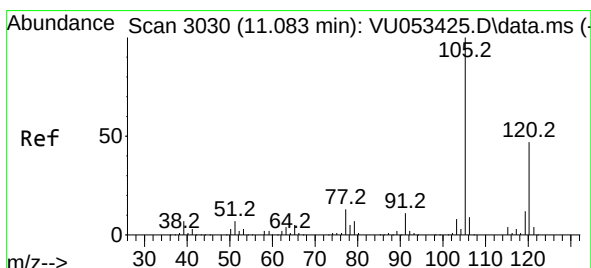
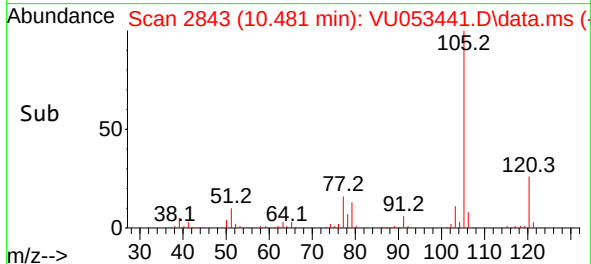
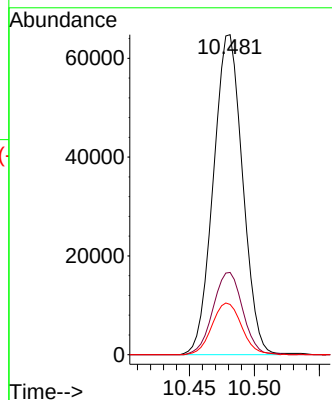
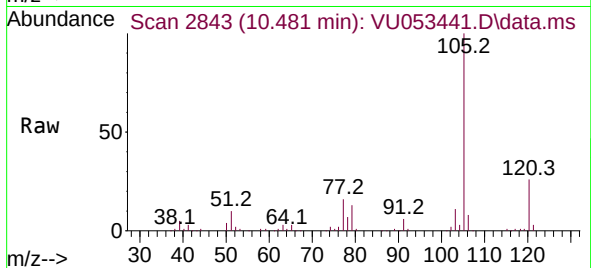
Tgt Ion:105 Resp: 101271

Ion Ratio Lower Upper

105 100

120 26.1 20.4 30.6

77 16.4 13.0 19.4



#62

1,3,5-Trimethylbenzene

Concen: 297.723 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.379 min

Lab File: VU053441.D

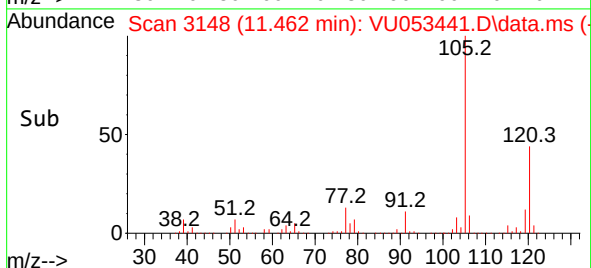
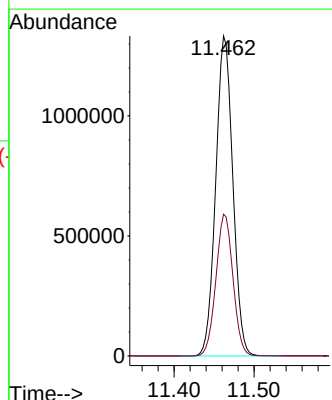
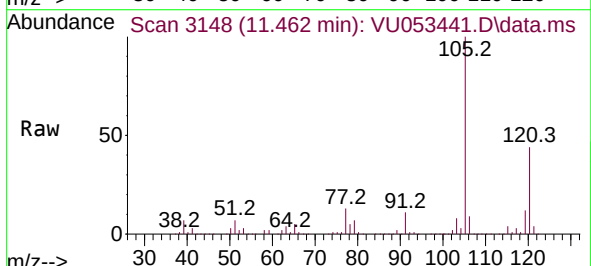
Acq: 28 Mar 2023 18:14

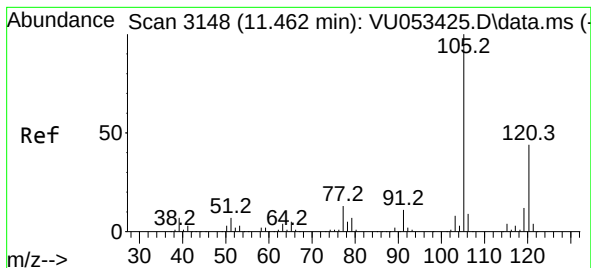
Tgt Ion:105 Resp: 1974113

Ion Ratio Lower Upper

105 100

120 44.2 37.0 55.4





#63

1,2,4-Trimethylbenzene

Concen: 305.439 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU053441.D

Acq: 28 Mar 2023 18:14

Instrument :

MSVOA_U

ClientSampleId :

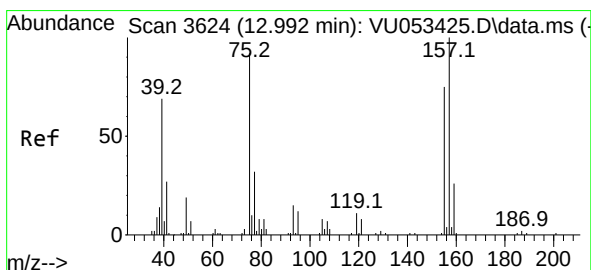
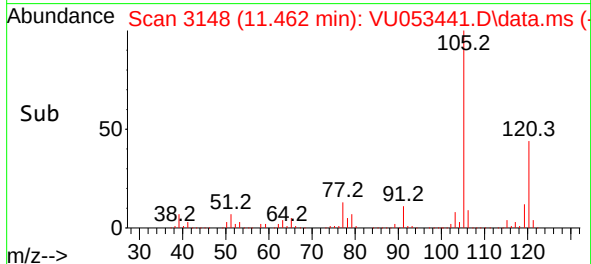
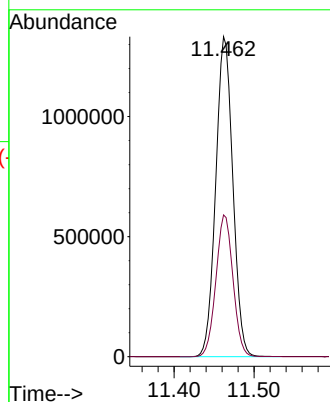
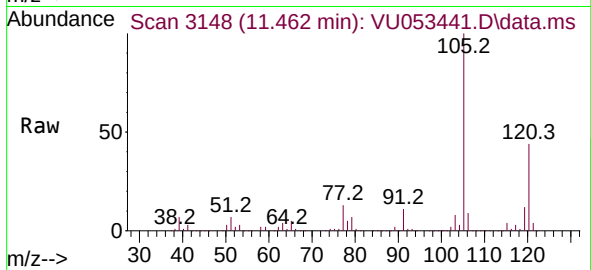
EYF58

Tgt Ion:105 Resp: 1974113

Ion Ratio Lower Upper

105 100

120 44.2 34.6 52.0



#68

1,2-Dibromo-3-chloropropane

Concen: 3.649 ug/L

RT: 12.967 min Scan# 3616

Delta R.T. -0.026 min

Lab File: VU053441.D

Acq: 28 Mar 2023 18:14

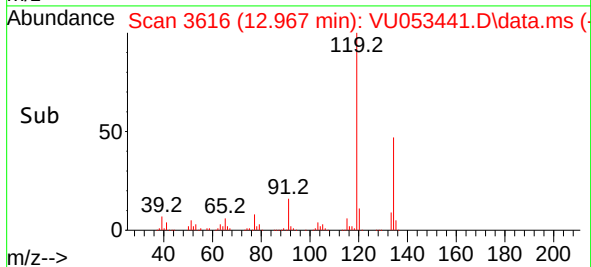
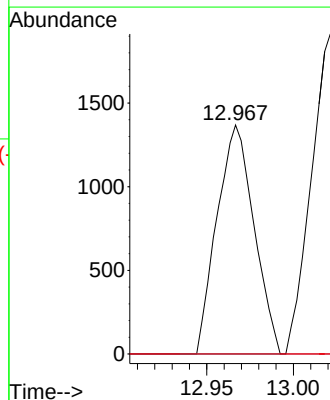
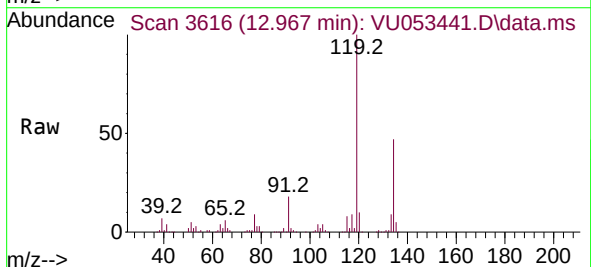
Tgt Ion: 75 Resp: 2033

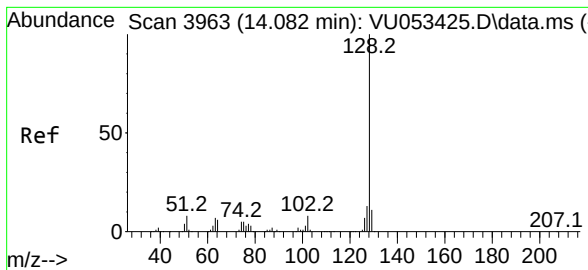
Ion Ratio Lower Upper

75 100

155 0.0 60.2 90.4#

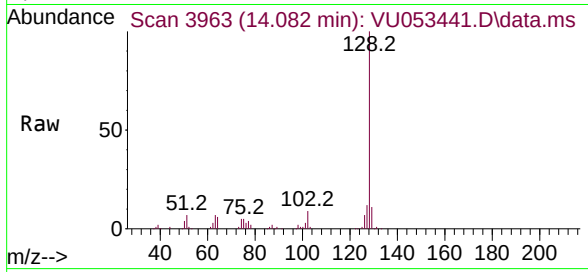
157 0.0 73.0 109.4#





#71
Naphthalene
Concen: 17.967 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU053441.D
Acq: 28 Mar 2023 18:14

Instrument :
MSVOA_U
ClientSampleId :
EYF58



Tgt Ion:	128	Resp:	115899
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.0	15.0
129	12.5	8.6	13.0

