

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102523\
 Data File : VU055883.D
 Acq On : 25 Oct 2023 16:45
 Operator : MD/SY
 Sample : 04952-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EOAR4

Quant Time: Oct 26 01:54:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 26 01:50:39 2023
 Response via : Initial Calibration

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

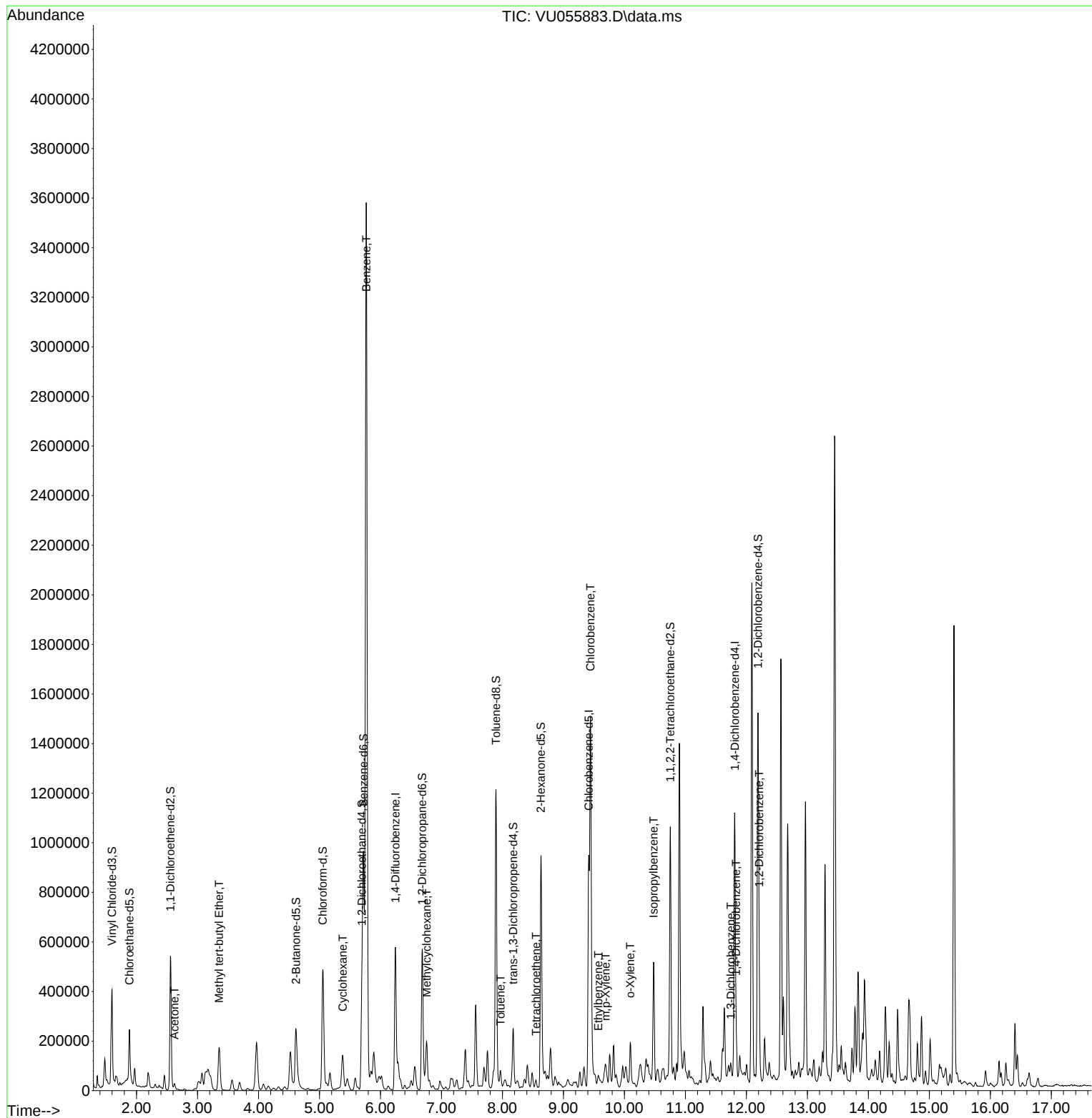
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	482106	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	491906	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	275409	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	243125	56.223	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 112.440%			
7) Chloroethane-d5	1.885	69	197354	55.832	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.660%			
11) 1,1-Dichloroethene-d2	2.557	63	327288	42.447	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 84.900%			
21) 2-Butanone-d5	4.615	46	352481	110.005	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 110.000%			
24) Chloroform-d	5.055	84	435511	52.534	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.060%			
26) 1,2-Dichloroethane-d4	5.695	65	277031	54.291	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 108.580%			
32) Benzene-d6	5.721	84	913993	58.073	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 116.140%			
36) 1,2-Dichloropropane-d6	6.685	67	279616	56.119	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 112.240%			
41) Toluene-d8	7.894	98	809780	56.980	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 113.960%			
43) trans-1,3-Dichloroprop...	8.177	79	135803	56.739	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 113.480%			
47) 2-Hexanone-d5	8.630	63	341869	174.532	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 174.530%#			
56) 1,1,2,2-Tetrachloroeth...	10.753	84	480852	62.698	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 125.400%#			
66) 1,2-Dichlorobenzene-d4	12.190	152	351963	64.399	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 128.800%#			
Target Compounds						Qvalue
13) Acetone	2.621	43	26890	9.043	ug/L	99
18) Methyl tert-butyl Ether	3.354	73	140491	12.500	ug/L #	68
29) Cyclohexane	5.383	56	69516	12.329	ug/L	98
33) Benzene	5.769	78	3514483	226.019	ug/L	100
35) Methylcyclohexane	6.756	83	79053	12.806	ug/L	92
42) Toluene	7.968	91	47771	2.912	ug/L	99
46) Tetrachloroethene	8.553	164	5400	1.773	ug/L	88
51) Chlorobenzene	9.444	112	737919	69.511	ug/L	100
52) Ethylbenzene	9.573	91	16817	0.938	ug/L	99
53) m,p-Xylene	9.695	106	16838	2.506	ug/L	91
54) o-Xylene	10.097	106	46482	7.148	ug/L	99
61) Isopropylbenzene	10.479	105	306403	17.846	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	15281	1.800	ug/L	88
65) 1,4-Dichlorobenzene	11.833	146	54662	6.264	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	28810	3.420	ug/L #	91

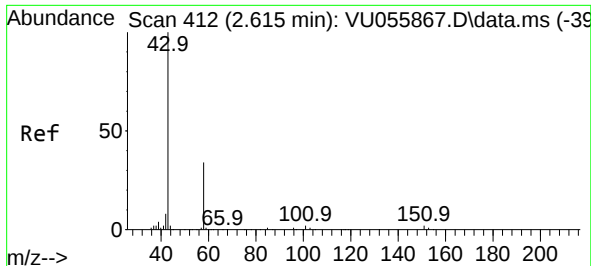
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 9.043 ug/L

RT: 2.621 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU055883.D

Acq: 25 Oct 2023 16:45

Instrument :

MSVOA_U

ClientSampleId :

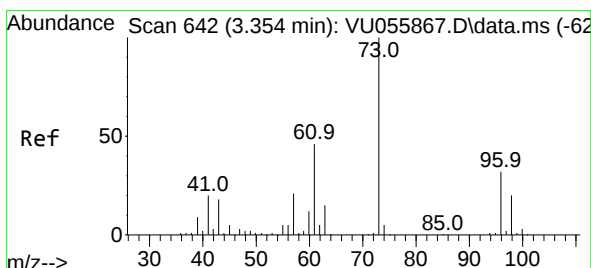
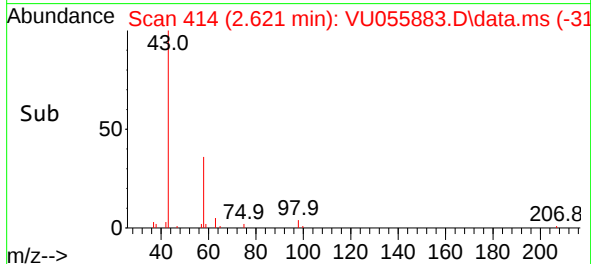
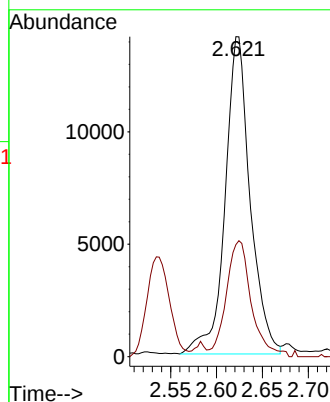
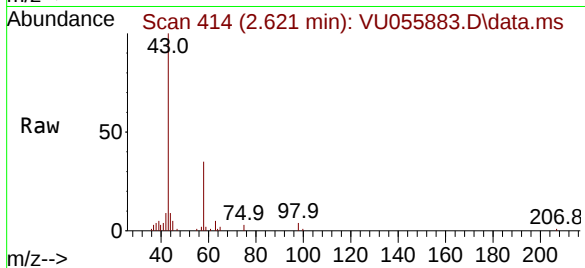
EOAR4

Tgt Ion: 43 Resp: 26890

Ion Ratio Lower Upper

43 100

58 32.8 0.0 67.4



#18

Methyl tert-butyl Ether

Concen: 12.500 ug/L

RT: 3.354 min Scan# 642

Delta R.T. -0.000 min

Lab File: VU055883.D

Acq: 25 Oct 2023 16:45

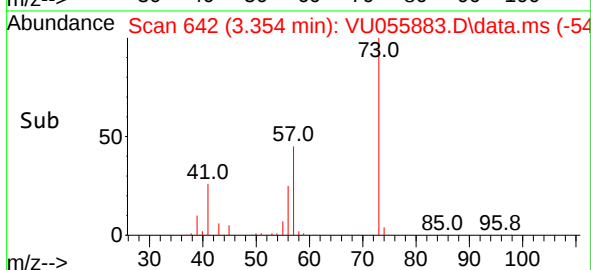
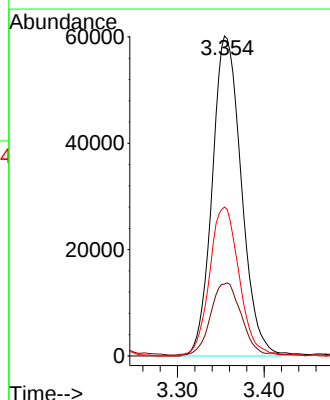
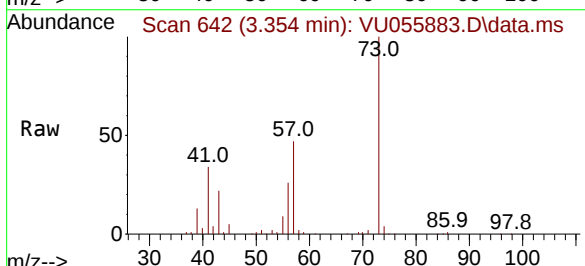
Tgt Ion: 73 Resp: 140491

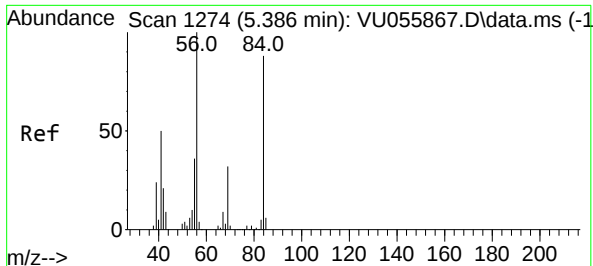
Ion Ratio Lower Upper

73 100

43 23.3 15.4 23.2#

57 47.4 17.7 26.5#





#29

Cyclohexane

Concen: 12.329 ug/L

RT: 5.383 min Scan# 1274

Delta R.T. -0.003 min

Lab File: VU055883.D

Acq: 25 Oct 2023 16:45

Instrument :

MSVOA_U

ClientSampleId :

EOAR4

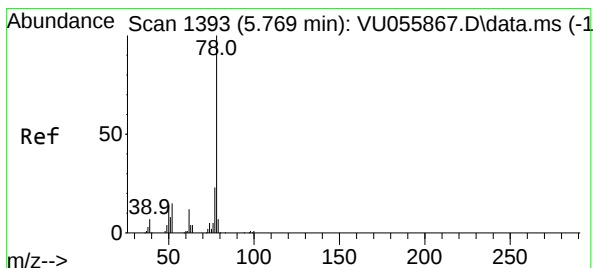
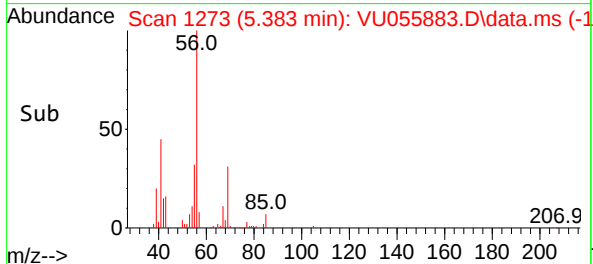
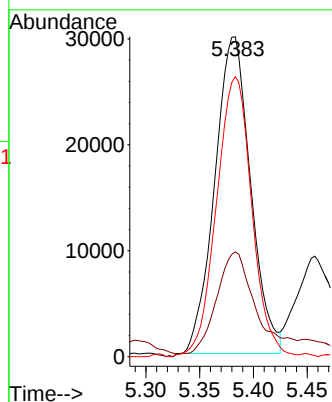
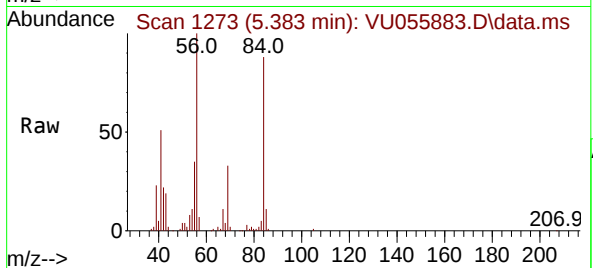
Tgt Ion: 56 Resp: 69516

Ion Ratio Lower Upper

56 100

69 33.5 24.9 37.3

84 86.8 70.7 106.1



#33

Benzene

Concen: 226.019 ug/L

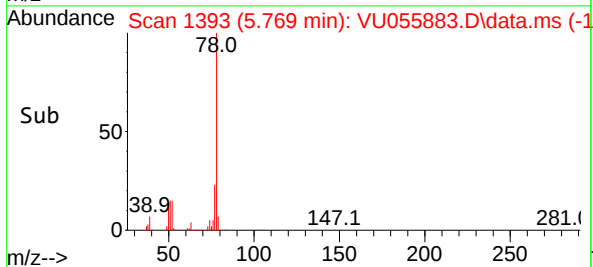
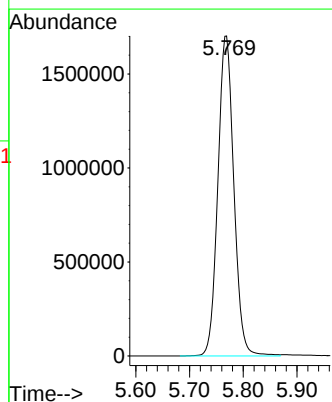
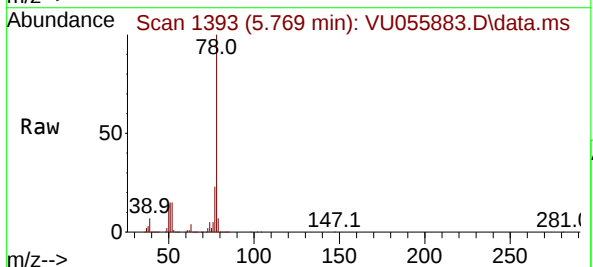
RT: 5.769 min Scan# 1393

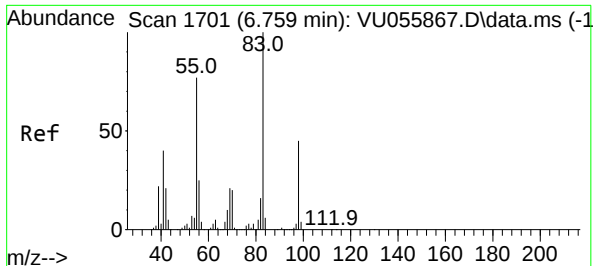
Delta R.T. -0.000 min

Lab File: VU055883.D

Acq: 25 Oct 2023 16:45

Tgt Ion: 78 Resp: 3514483





#35

Methylcyclohexane

Concen: 12.806 ug/L

RT: 6.756 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055883.D

Acq: 25 Oct 2023 16:45

Instrument :

MSVOA_U

ClientSampleId :

EOAR4

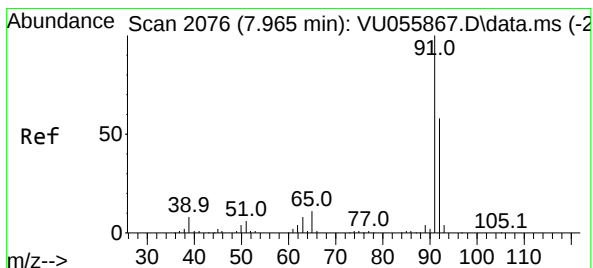
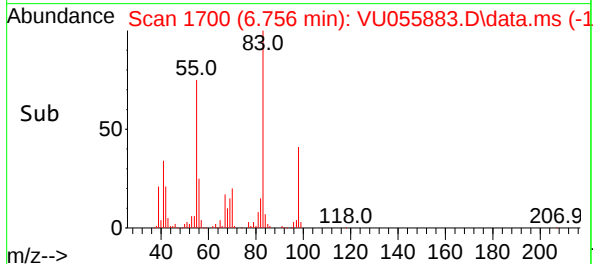
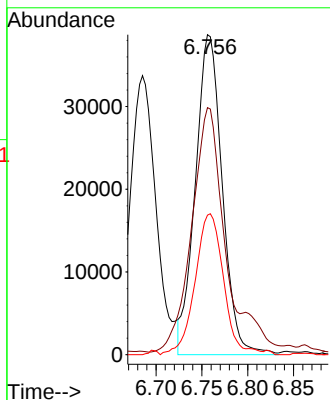
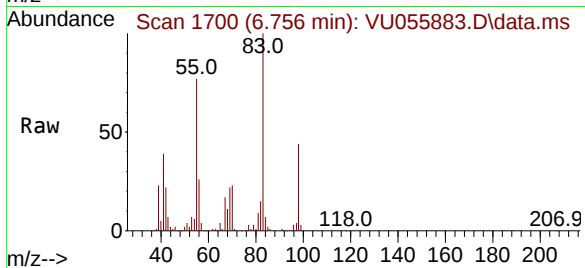
Tgt Ion: 83 Resp: 79053

Ion Ratio Lower Upper

83 100

55 86.4 61.2 91.8

98 45.6 35.8 53.6



#42

Toluene

Concen: 2.912 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU055883.D

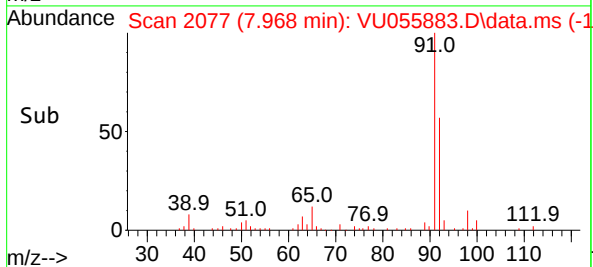
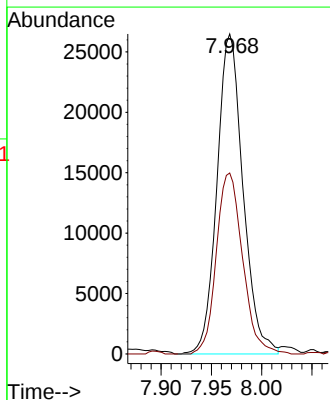
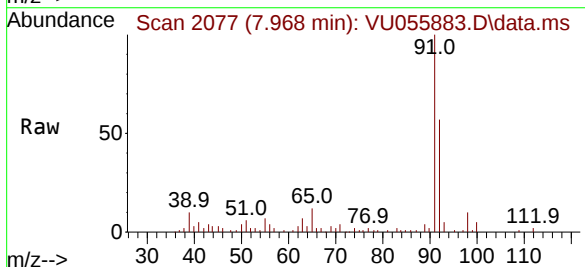
Acq: 25 Oct 2023 16:45

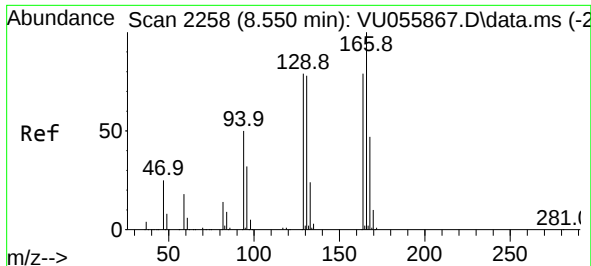
Tgt Ion: 91 Resp: 47771

Ion Ratio Lower Upper

91 100

92 56.6 40.0 74.4





#46

Tetrachloroethene

Concen: 1.773 ug/L

RT: 8.553 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU055883.D

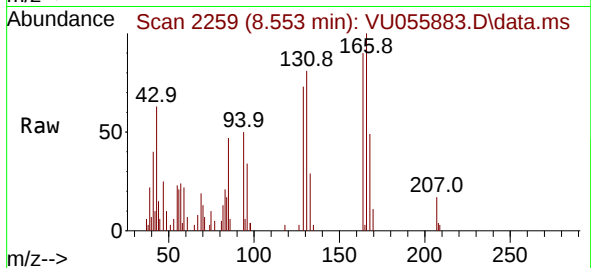
Acq: 25 Oct 2023 16:45

Instrument :

MSVOA_U

ClientSampleId :

EOAR4



Tgt Ion:164 Resp: 5400

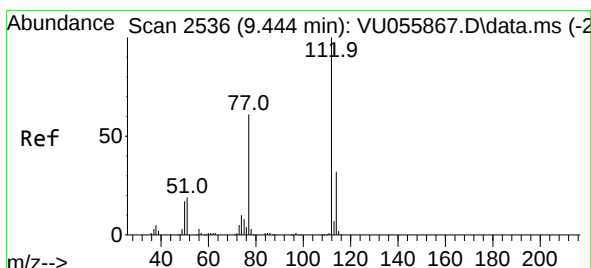
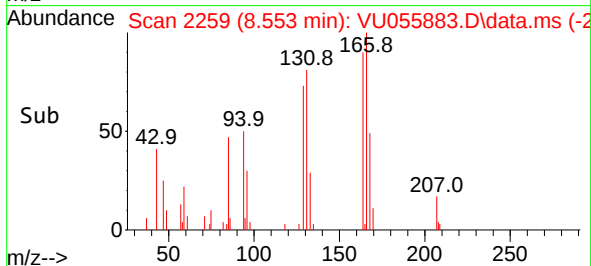
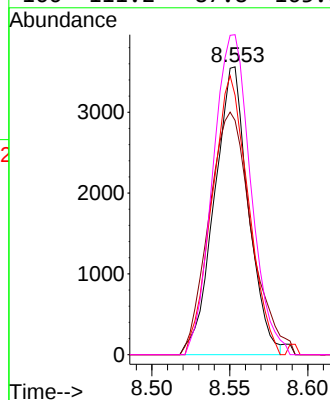
Ion Ratio Lower Upper

164 100

129 81.4 70.7 131.3

131 90.1 65.9 122.5

166 111.2 87.8 163.0



#51

Chlorobenzene

Concen: 69.511 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU055883.D

Acq: 25 Oct 2023 16:45

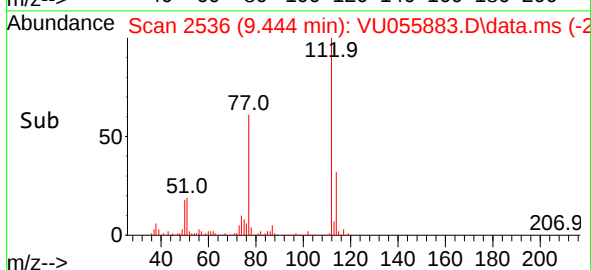
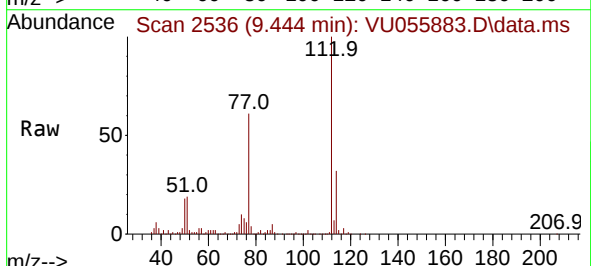
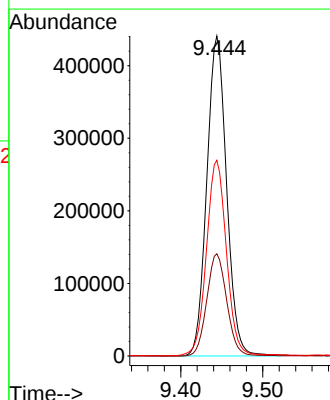
Tgt Ion:112 Resp: 737919

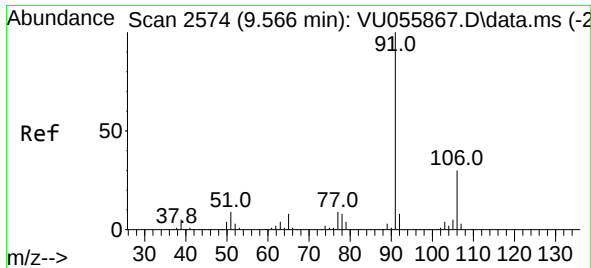
Ion Ratio Lower Upper

112 100

114 31.9 22.0 40.8

77 61.2 49.0 73.6

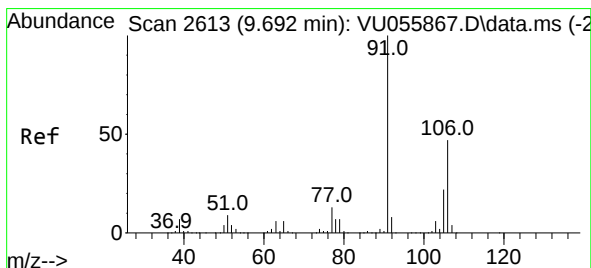
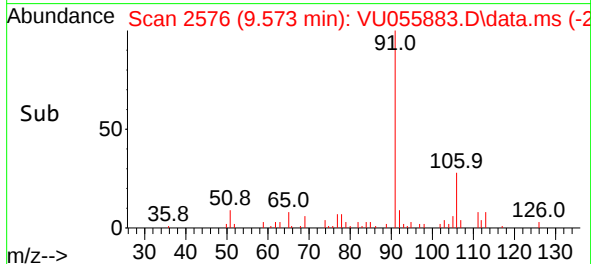
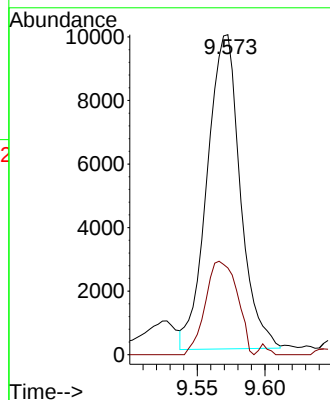
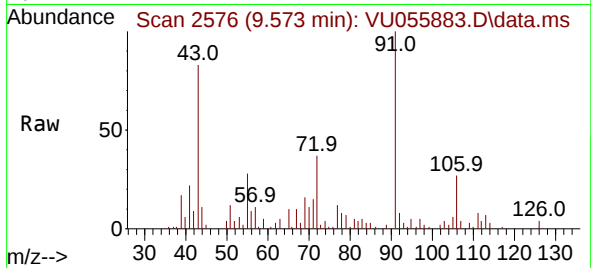




#52
Ethylbenzene
Concen: 0.938 ug/L
RT: 9.573 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU055883.D
Acq: 25 Oct 2023 16:45

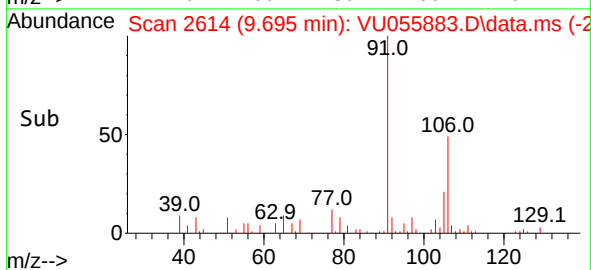
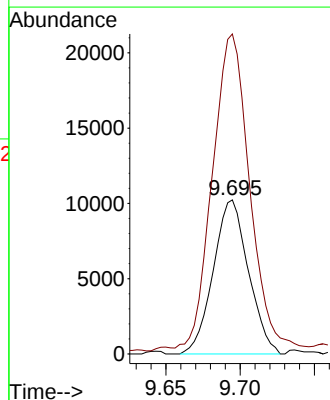
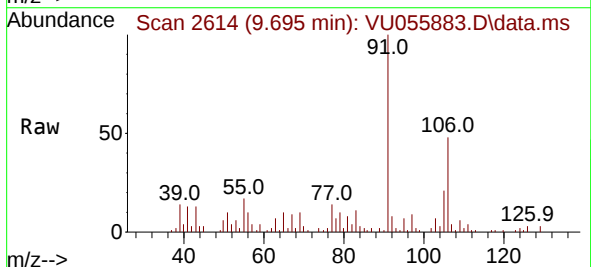
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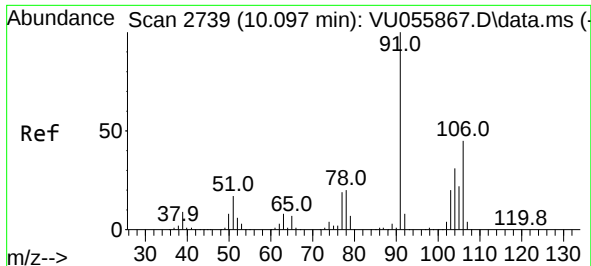
Tgt Ion: 91 Resp: 16817
Ion Ratio Lower Upper
91 100
106 30.8 21.2 39.4



#53
m,p-Xylene
Concen: 2.506 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.003 min
Lab File: VU055883.D
Acq: 25 Oct 2023 16:45

Tgt Ion: 106 Resp: 16838
Ion Ratio Lower Upper
106 100
91 191.1 143.8 267.0

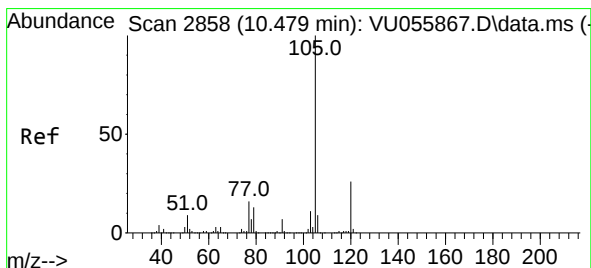
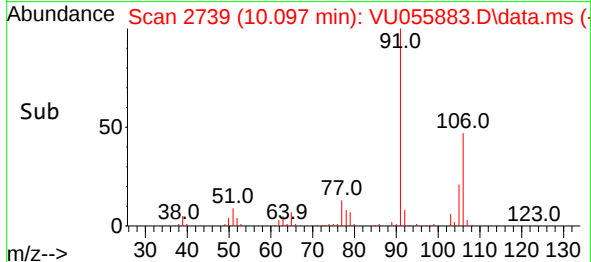
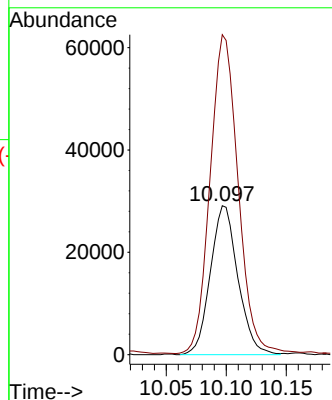
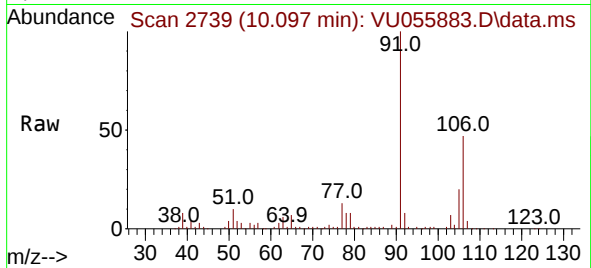




#54
o-Xylene
Concen: 7.148 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055883.D
Acq: 25 Oct 2023 16:45

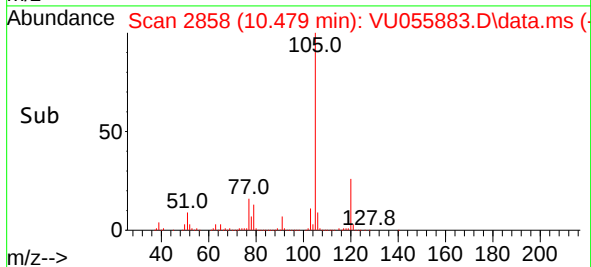
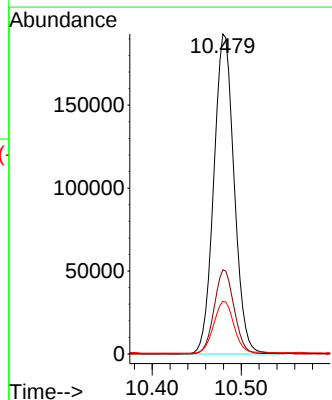
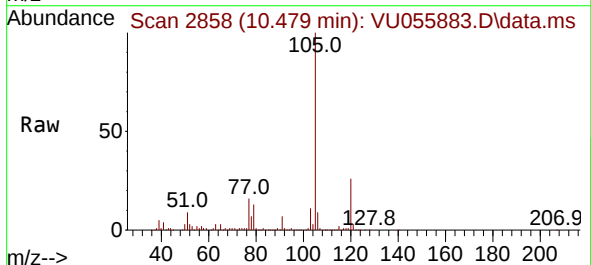
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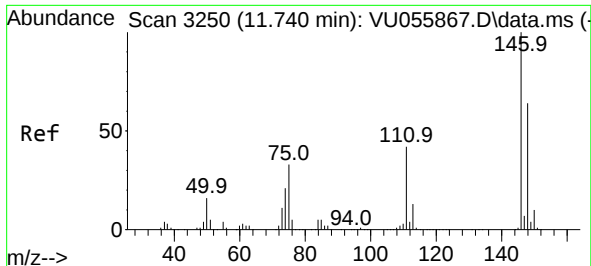
Tgt Ion:106 Resp: 46482
Ion Ratio Lower Upper
106 100
91 214.9 151.8 282.0



#61
Isopropylbenzene
Concen: 17.846 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU055883.D
Acq: 25 Oct 2023 16:45

Tgt Ion:105 Resp: 306403
Ion Ratio Lower Upper
105 100
120 25.8 20.6 30.8
77 16.0 13.4 20.0

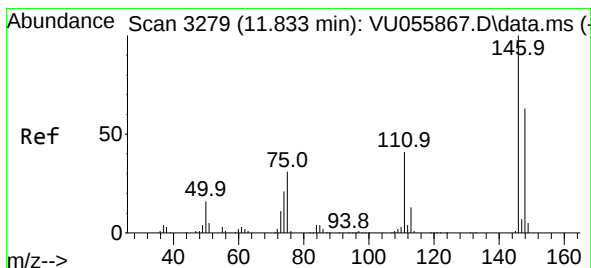
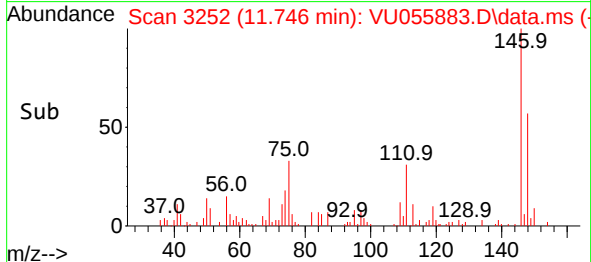
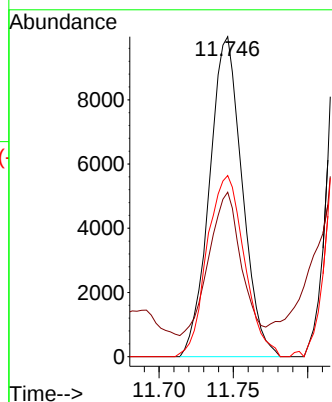
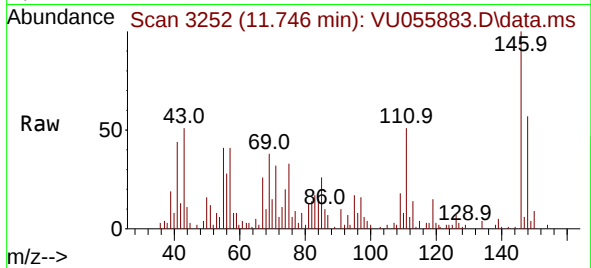




#64
1,3-Dichlorobenzene
Concen: 1.800 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU055883.D
Acq: 25 Oct 2023 16:45

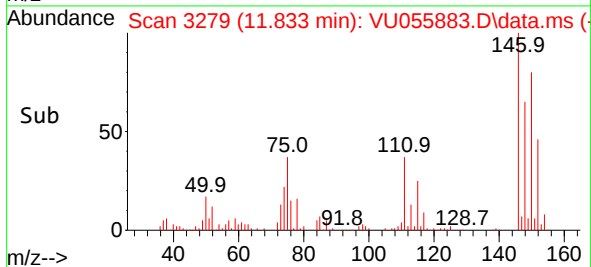
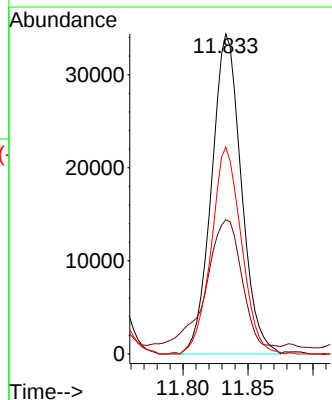
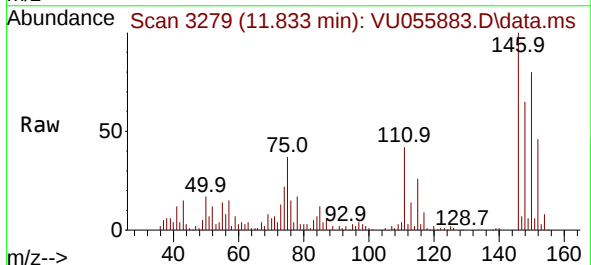
Instrument :
MSVOA_U
ClientSampleId :
EOAR4

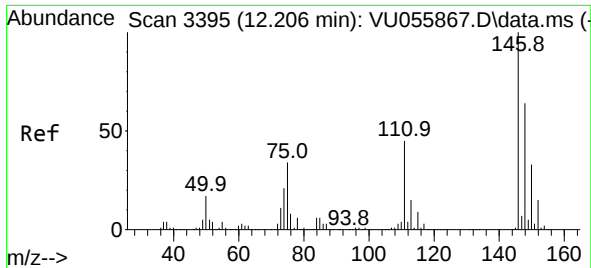
Tgt Ion:146 Resp: 15281
Ion Ratio Lower Upper
146 100
111 51.4 29.7 55.1
148 56.6 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 6.264 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055883.D
Acq: 25 Oct 2023 16:45

Tgt Ion:146 Resp: 54662
Ion Ratio Lower Upper
146 100
111 42.0 28.6 53.0
148 64.6 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 3.420 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055883.D

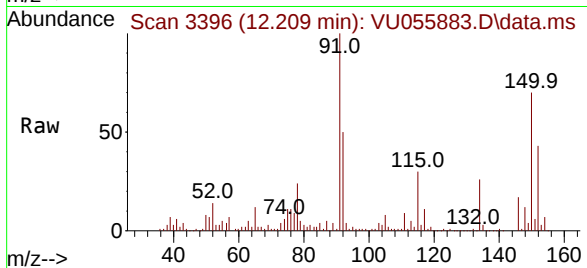
Acq: 25 Oct 2023 16:45

Instrument :

MSVOA_U

ClientSampleId :

EOAR4



Tgt Ion:	146	Resp:	28810
Ion Ratio	Lower	Upper	
146	100		
111	54.2	35.2	52.8#
148	69.2	52.3	78.5

