

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062023\
 Data File : VU054624.D
 Acq On : 20 Jun 2023 20:48
 Operator : MD/SY
 Sample : 03326-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GCA36

Quant Time: Jun 21 04:05:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 21 04:02:18 2023
 Response via : Initial Calibration

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

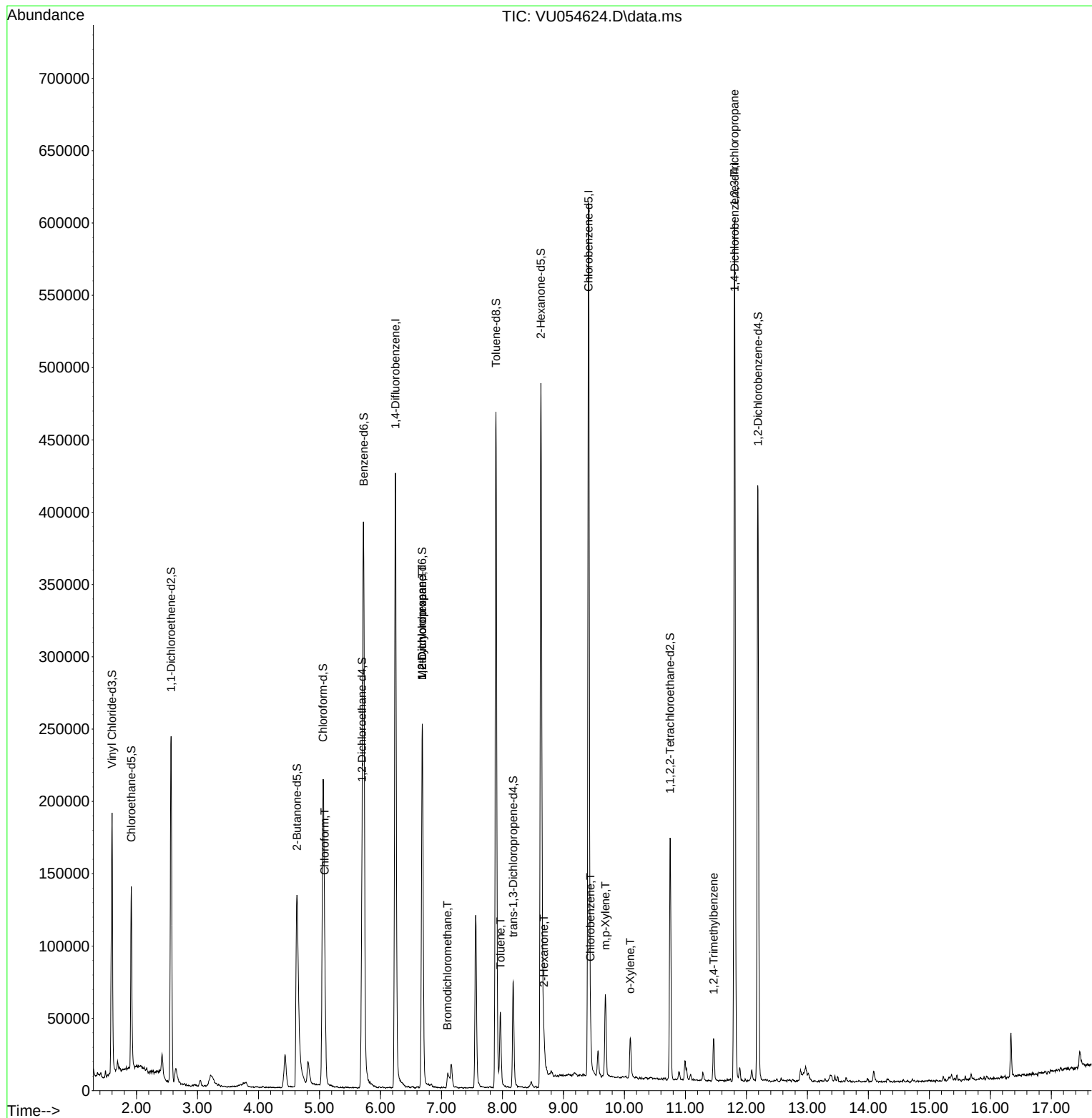
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	334271	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	323239	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	152697	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	121936	5.732	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.600%
7) Chloroethane-d5	1.914	69	94622	4.751	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.000%
11) 1,1-Dichloroethene-d2	2.567	65	48082	5.061	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.200%
20) 2-Butanone-d5	4.631	46	255860	42.778	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.560%
24) Chloroform-d	5.058	84	182321	4.100	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
26) 1,2-Dichloroethane-d4	5.698	65	90491	4.175	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.400%
32) Benzene-d6	5.724	84	362080	4.030	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.600%
36) 1,2-Dichloropropane-d6	6.685	67	125135	4.170	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.400%
41) Toluene-d8	7.894	98	307782	3.860	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.200%
43) trans-1,3-Dichloroprop...	8.177	79	43153	4.135	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.800%
46) 2-Hexanone-d5	8.631	63	163281	37.297	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.600%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	87100	3.892	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	106554	4.137	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.800%
Target Compounds						
					Qvalue	
25) Chloroform	5.084	83	68115	1.334	ug/L	98
35) Methylcyclohexane	6.685	83	26655	0.574	ug/L #	17
37) 1,2-Dichloropropane	6.685	63	13163	0.419	ug/L #	89
38) Bromodichloromethane	7.100	83	5182	0.146	ug/L	93
42) Toluene	7.968	91	35990	0.301	ug/L	96
48) 2-Hexanone	8.682	43	10027	0.803	ug/L #	78
51) Chlorobenzene	9.444	112	10841	0.145	ug/L	92
53) m,p-Xylene	9.688	106	15331	0.319	ug/L	90
54) o-Xylene	10.097	106	6982	0.150	ug/L	97
61) 1,2,3-Trichloropropane	11.804	75	21071	1.365	ug/L #	69
63) 1,2,4-Trimethylbenzene	11.463	105	16536	0.179	ug/L	97

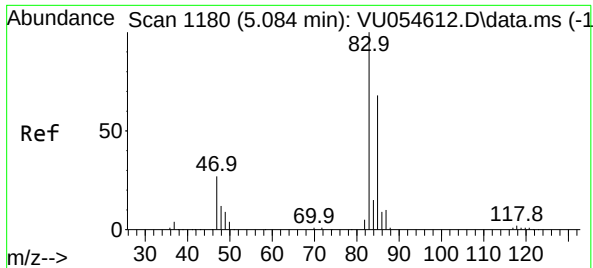
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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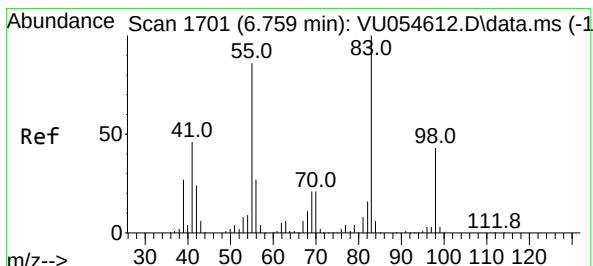
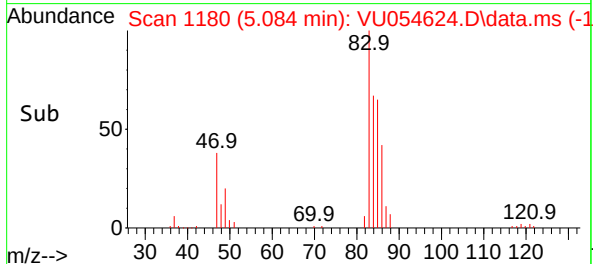
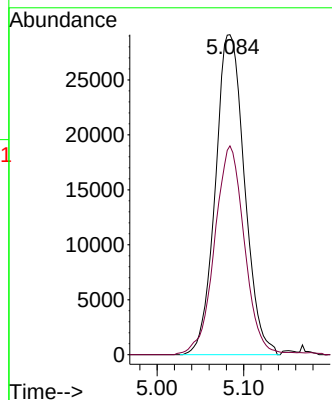
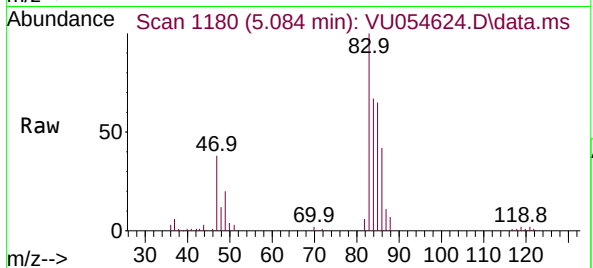




#25
Chloroform
Concen: 1.334 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VU054624.D
Acq: 20 Jun 2023 20:48

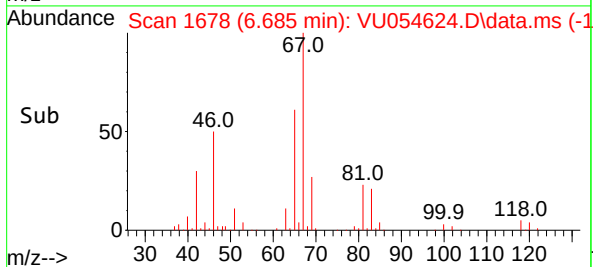
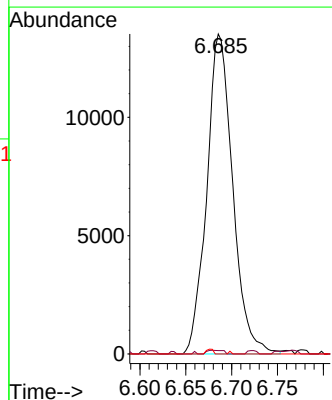
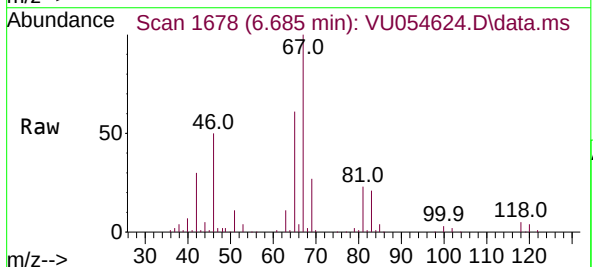
Instrument :
MSVOA_U
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GCA36

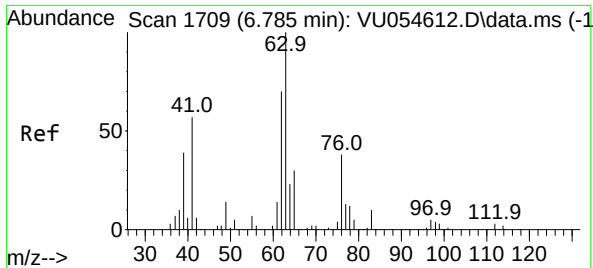
Tgt Ion: 83 Resp: 68115
Ion Ratio Lower Upper
83 100
85 65.3 44.7 82.9



#35
Methylcyclohexane
Concen: 0.574 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU054624.D
Acq: 20 Jun 2023 20:48

Tgt Ion: 83 Resp: 26655
Ion Ratio Lower Upper
83 100
55 0.7 67.1 100.7#
98 0.4 35.1 52.7#

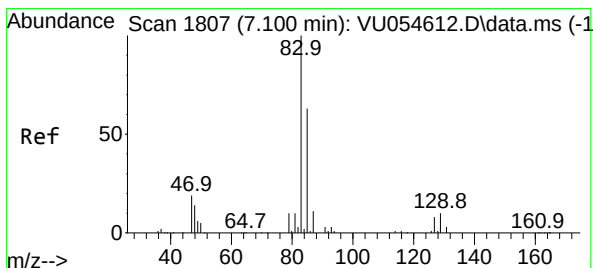
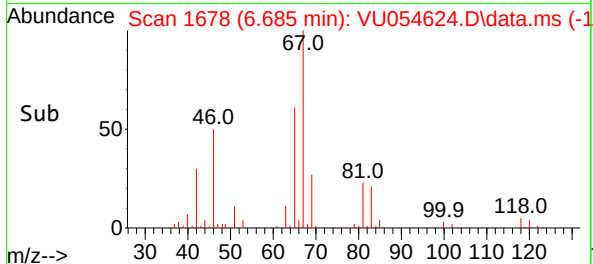
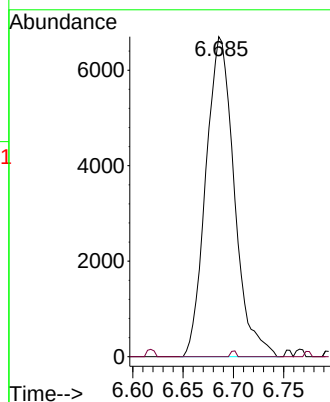
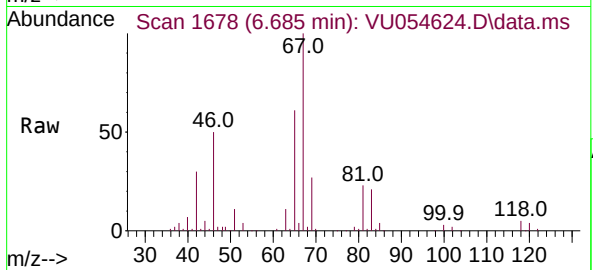




#37
1,2-Dichloropropane
Concen: 0.419 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU054624.D
Acq: 20 Jun 2023 20:48

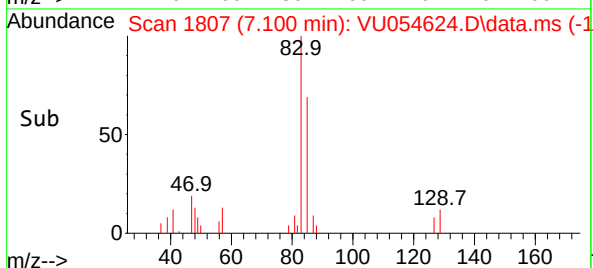
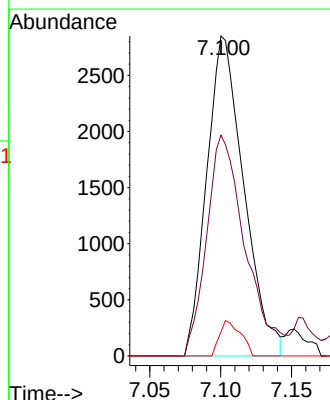
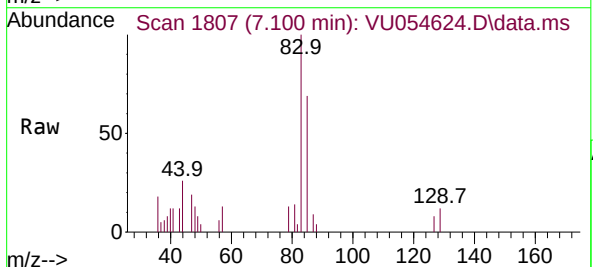
Instrument :
MSVOA_U
ClientSampleId :
GCA36

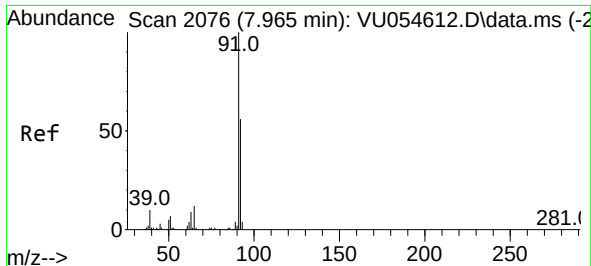
Tgt Ion: 63 Resp: 13163
Ion Ratio Lower Upper
63 100
112 0.3 3.0 4.6#



#38
Bromodichloromethane
Concen: 0.146 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU054624.D
Acq: 20 Jun 2023 20:48

Tgt Ion: 83 Resp: 5182
Ion Ratio Lower Upper
83 100
85 69.0 44.1 81.9
127 7.5 6.6 10.0





#42

Toluene

Concen: 0.301 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU054624.D

Acq: 20 Jun 2023 20:48

Instrument :

MSVOA_U

ClientSampleId :

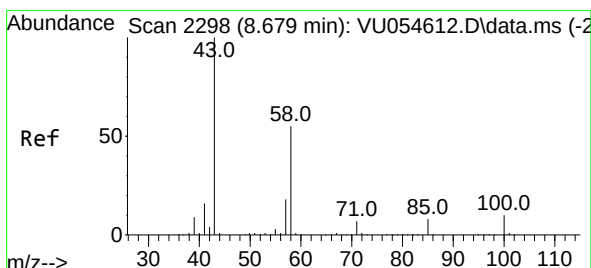
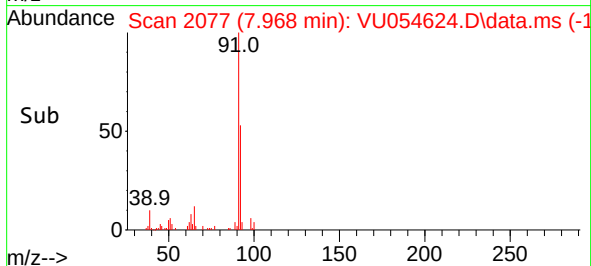
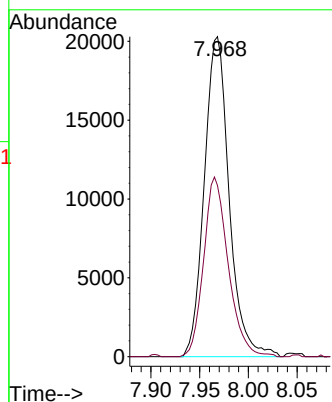
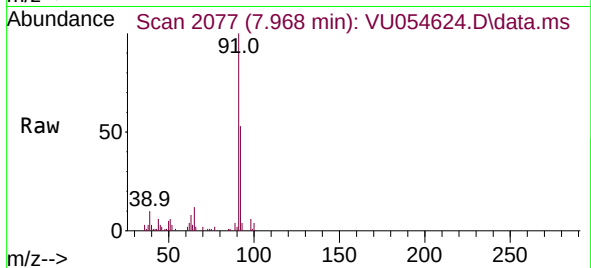
GCA36

Tgt Ion: 91 Resp: 35990

Ion Ratio Lower Upper

91 100

92 53.5 39.5 73.4



#48

2-Hexanone

Concen: 0.803 ug/L

RT: 8.682 min Scan# 2299

Delta R.T. 0.003 min

Lab File: VU054624.D

Acq: 20 Jun 2023 20:48

Tgt Ion: 43 Resp: 10027

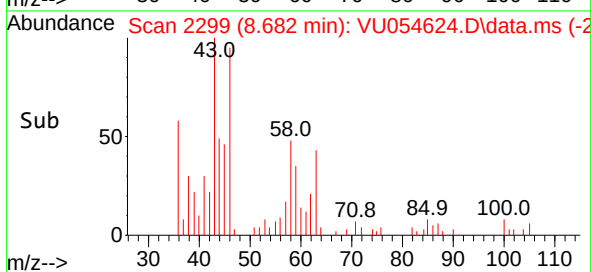
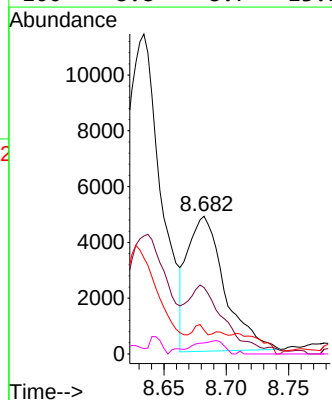
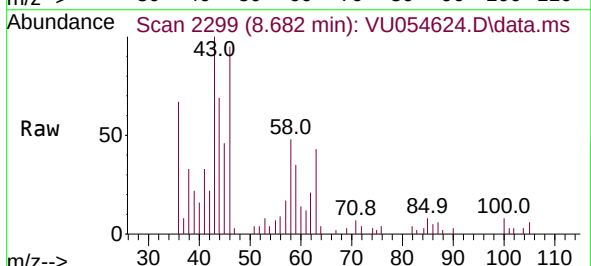
Ion Ratio Lower Upper

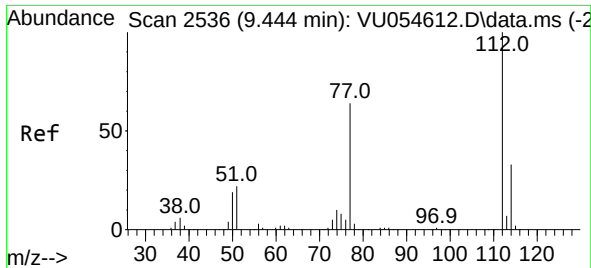
43 100

58 41.6 45.2 67.8#

57 2.4 15.8 23.6#

100 8.8 8.7 13.1

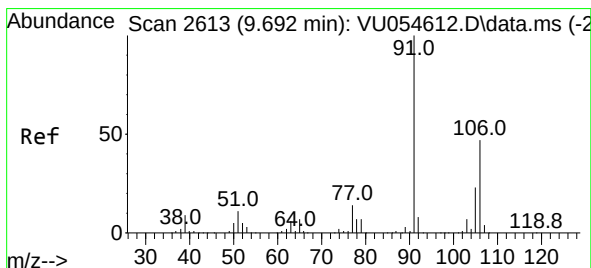
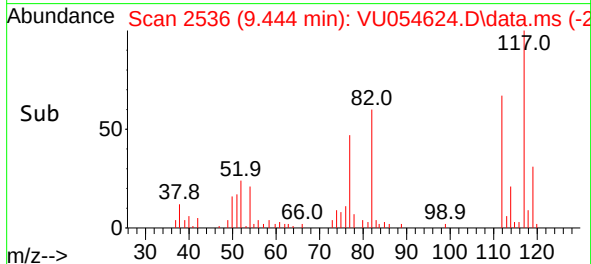
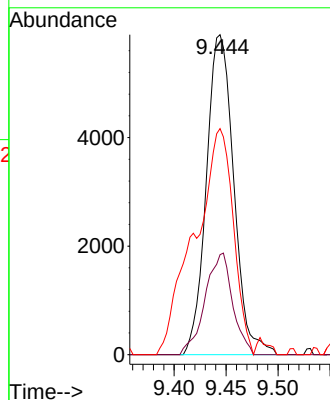
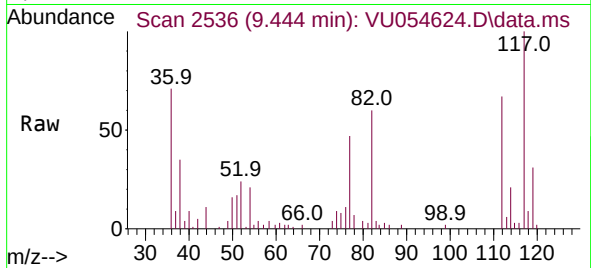




#51
Chlorobenzene
Concen: 0.145 ug/L
RT: 9.444 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054624.D
Acq: 20 Jun 2023 20:48

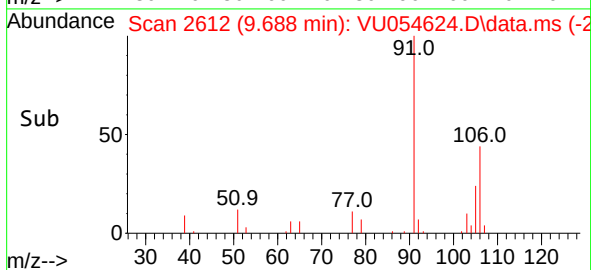
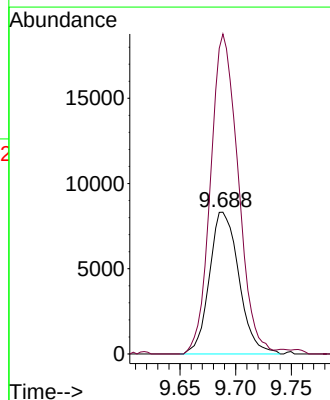
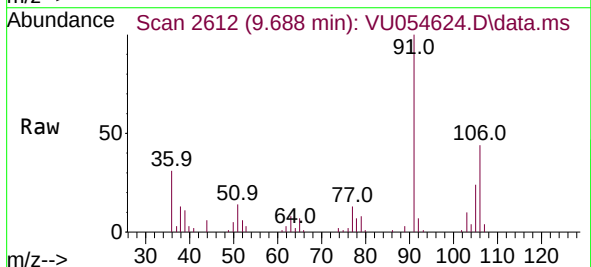
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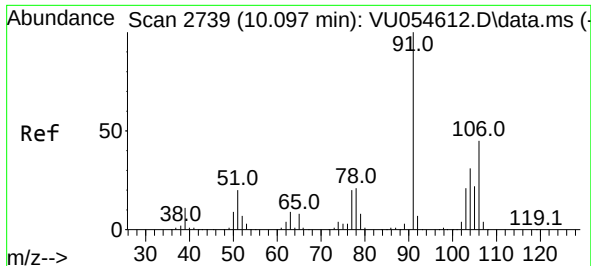
Tgt Ion:112 Resp: 10841
Ion Ratio Lower Upper
112 100
114 31.2 22.7 42.1
77 70.6 49.8 74.8



#53
m,p-Xylene
Concen: 0.319 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU054624.D
Acq: 20 Jun 2023 20:48

Tgt Ion:106 Resp: 15331
Ion Ratio Lower Upper
106 100
91 225.6 147.0 273.0

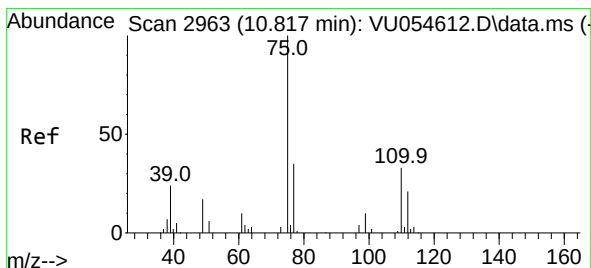
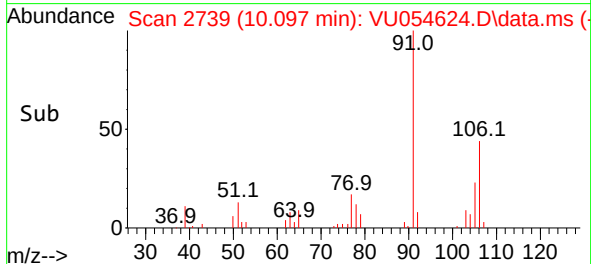
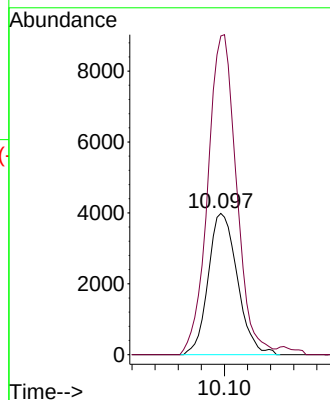
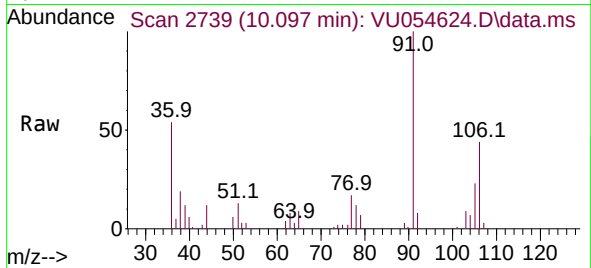




#54
o-Xylene
Concen: 0.150 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
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Acq: 20 Jun 2023 20:48

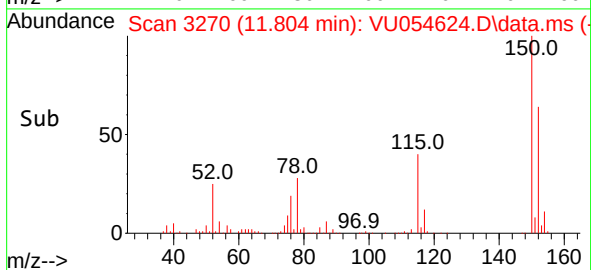
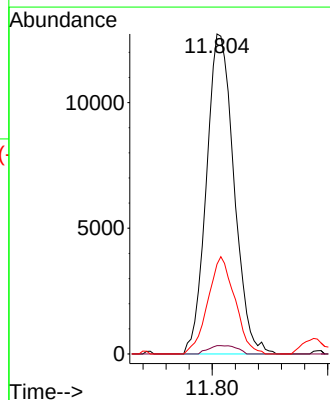
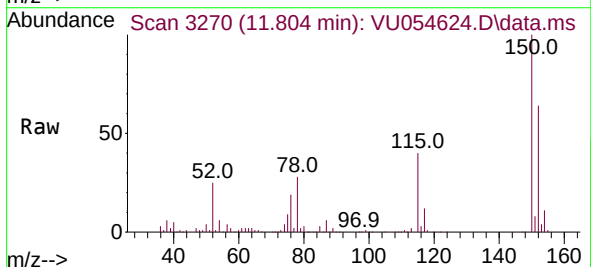
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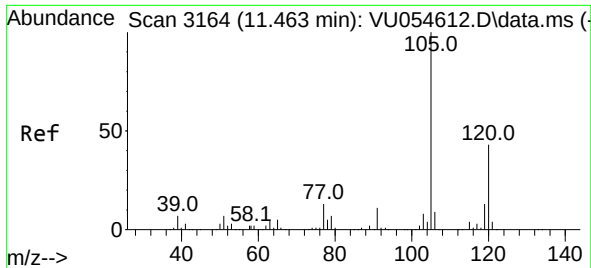
Tgt Ion:106 Resp: 6982
Ion Ratio Lower Upper
106 100
91 225.5 154.5 286.9



#61
1,2,3-Trichloropropane
Concen: 1.365 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.987 min
Lab File: VU054624.D
Acq: 20 Jun 2023 20:48

Tgt Ion: 75 Resp: 21071
Ion Ratio Lower Upper
75 100
110 2.7 28.0 42.0#
77 29.8 25.4 38.2





#63
 1,2,4-Trimethylbenzene
 Concen: 0.179 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. -0.000 min
 Lab File: VU054624.D
 Acq: 20 Jun 2023 20:48

Instrument :
 MSVOA_U
 ClientSampleId :
 GCA36

Tgt Ion:105 Resp: 16536
 Ion Ratio Lower Upper
 105 100
 120 42.3 35.4 53.0

