

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071624\
 Data File : VU059975.D
 Acq On : 16 Jul 2024 15:30
 Operator : MD/SY
 Sample : P3217-20
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZD7

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

Quant Time: Jul 17 02:30:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 17 02:25:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	126910	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	136204	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	77592	5.000	ug/L	# 0.00

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System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	50657	5.740	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.800%
7) Chloroethane-d5	1.907	69	36737	4.327	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.600%
11) 1,1-Dichloroethene-d2	2.557	65	17339	4.736	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.800%
20) 2-Butanone-d5	4.637	46	104550	57.516	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.040%
24) Chloroform-d	5.058	84	80238	4.430	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
26) 1,2-Dichloroethane-d4	5.698	65	41449	4.750	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.721	84	156235	4.168	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
36) 1,2-Dichloropropane-d6	6.688	67	50766	4.420	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.400%
41) Toluene-d8	7.894	98	129211	3.708	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.200%
43) trans-1,3-Dichloroprop...	8.177	79	18955	5.270	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.400%
46) 2-Hexanone-d5	8.630	63	91113	60.966	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.940%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	47571	5.012	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	64713	4.686	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.800%

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Target Compounds					Qvalue
5) Vinyl chloride	1.599	62	893288	69.870	ug/L 99
8) Chloroethane	1.927	64	1812	0.235	ug/L 89
12) 1,1-Dichloroethene	2.570	96	97883	10.875	ug/L # 79
13) Acetone	2.647	43	10128m	8.589	ug/L
17) Methyl tert-butyl Ether	3.364	73	53118	2.739	ug/L 98
18) trans-1,2-Dichloroethene	3.341	96	18413	1.967	ug/L 91
19) 1,1-Dichloroethane	3.862	63	30349	1.758	ug/L 98
22) cis-1,2-Dichloroethene	4.656	96	1719930	166.695	ug/L 95
30) Cyclohexane	5.377	56	1894	0.136	ug/L 86
33) Benzene	5.769	78	109080	2.637	ug/L 100
34) Trichloroethene	6.537	95	21945	1.959	ug/L 94
35) Methylcyclohexane	6.759	83	17788	1.116	ug/L 93
42) Toluene	7.965	91	515362	11.769	ug/L 98
51) Chlorobenzene	9.444	112	65729	2.367	ug/L 97
52) Ethylbenzene	9.566	91	474419	10.561	ug/L 96
53) m,p-Xylene	9.692	106	168852	9.787	ug/L 94
54) o-Xylene	10.097	106	250589	15.305	ug/L 96
60) Isopropylbenzene	10.482	105	160438	3.347	ug/L 98
62) 1,3,5-Trimethylbenzene	11.084	105	423043	11.141	ug/L 99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jul 17 02:25:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.463	105	686098	18.899	ug/L	98
65) 1,4-Dichlorobenzene	11.836	146	23084	0.920	ug/L	94
67) 1,2-Dichlorobenzene	12.209	146	242145	10.555	ug/L	98

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

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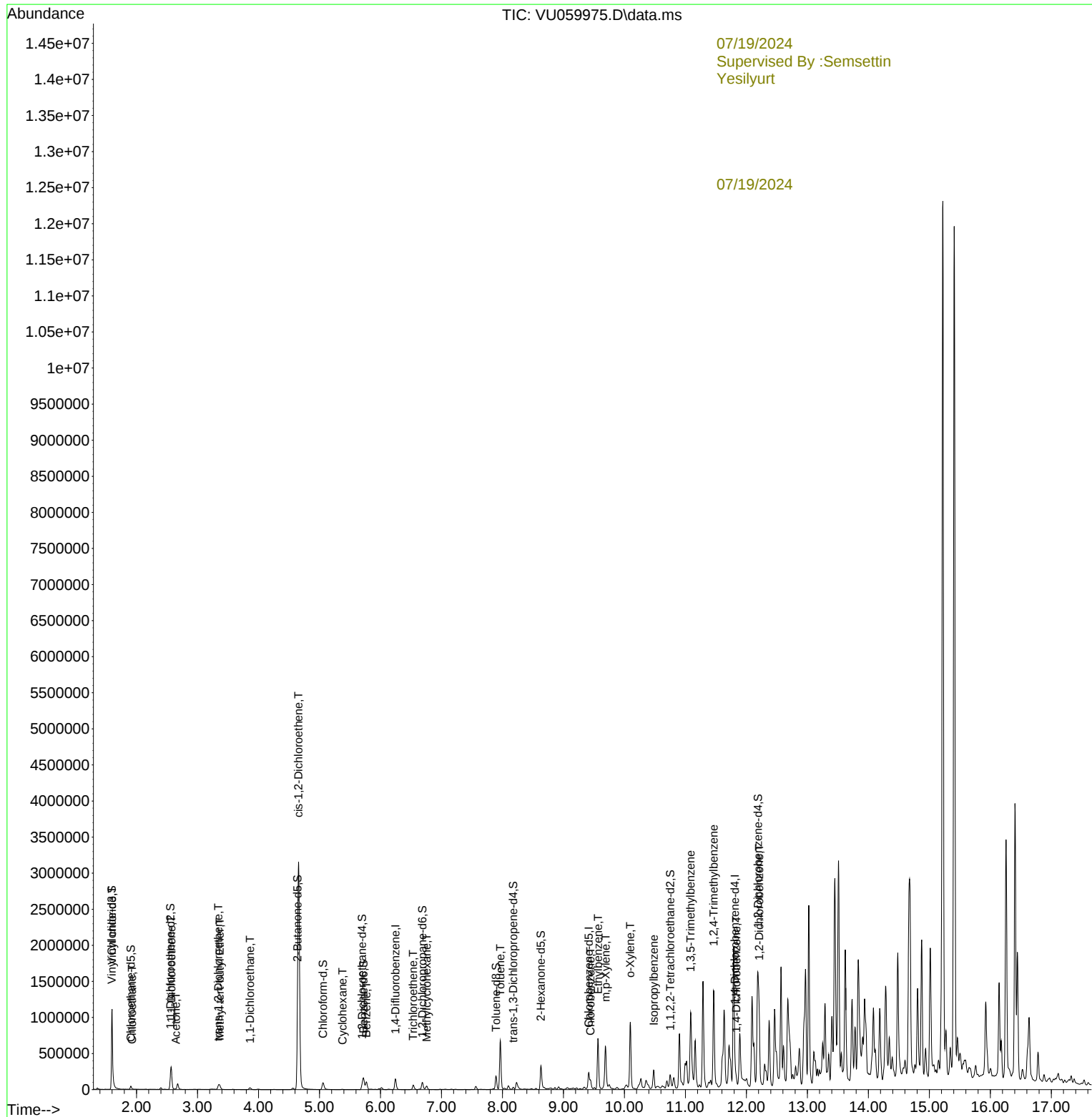
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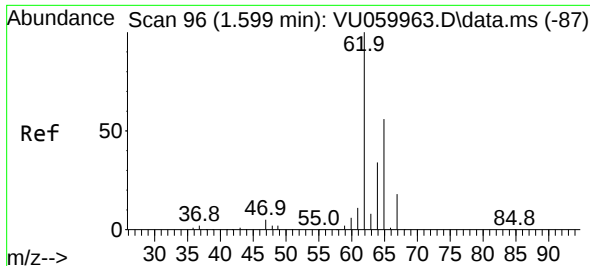
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MSVOA_U
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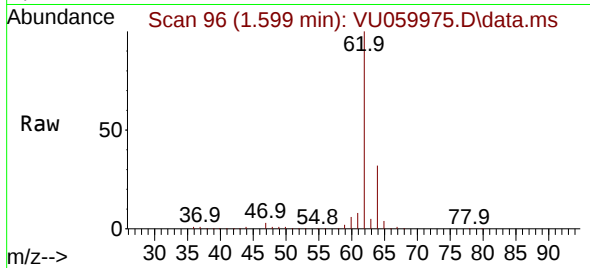
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#5
Vinyl chloride
Concen: 69.870 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30

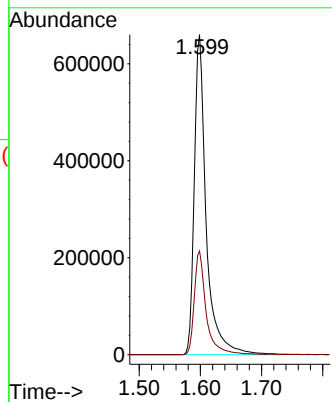
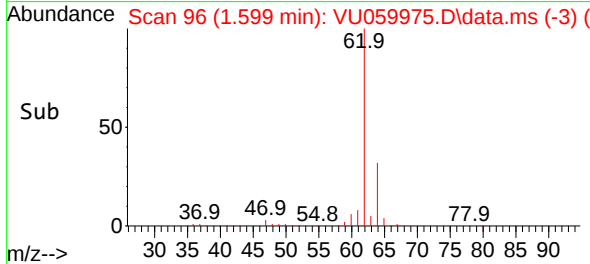
Instrument :
MSVOA_U
ClientSampleId :
YDZD7



Tgt Ion: 62 Resp: 893288
Ion Ratio Lower Upper
62 100
64 32.4 23.1 42.9

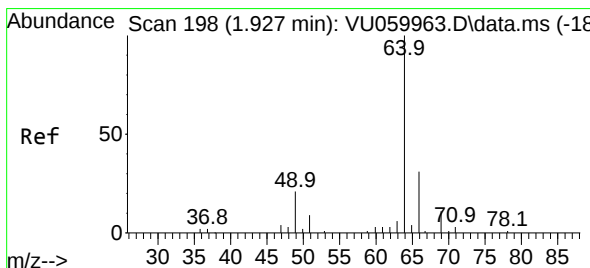
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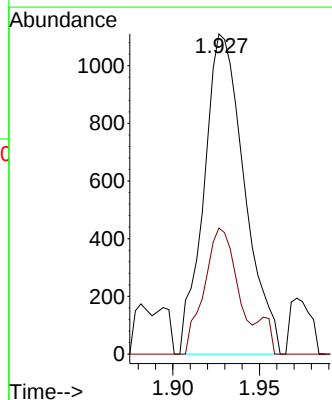
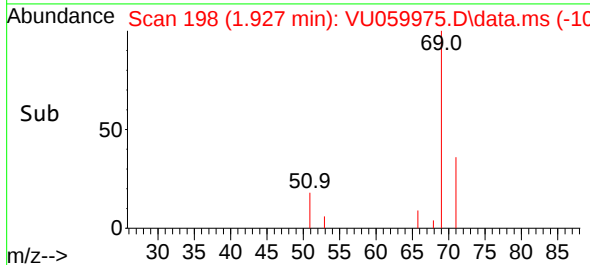
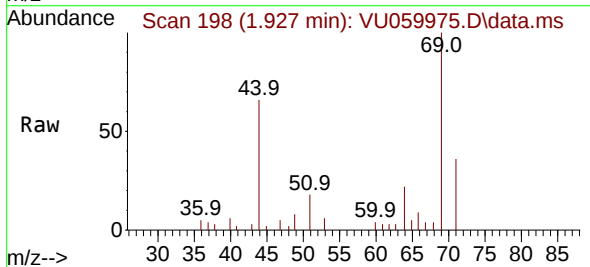
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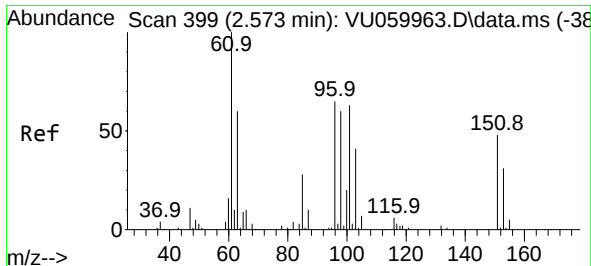
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#8
Chloroethane
Concen: 0.235 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.000 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30

Tgt Ion: 64 Resp: 1812
Ion Ratio Lower Upper
64 100
66 39.4 23.2 43.2





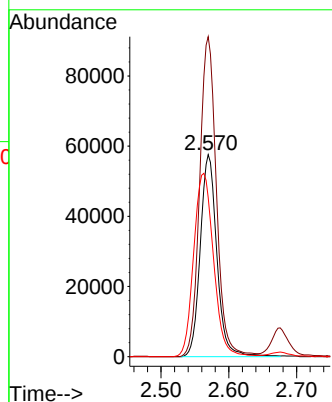
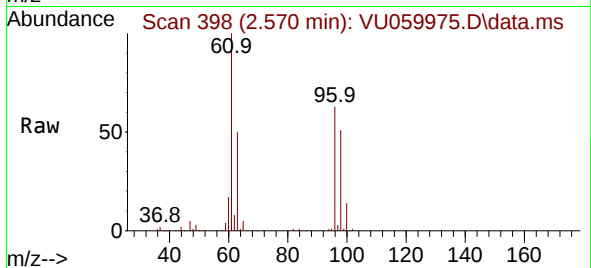
#12
1,1-Dichloroethene
Concen: 10.875 ug/L
RT: 2.570 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30

Instrument :
MSVOA_U
ClientSampleId :
YDZD7

Tgt Ion: 96 Resp: 9788
Ion Ratio Lower Upper
96 100
61 158.4 122.9 228.3
63 78.8 80.4 149.4

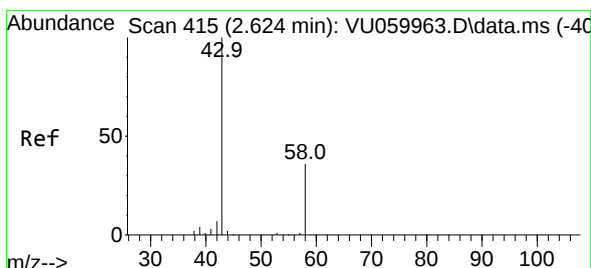
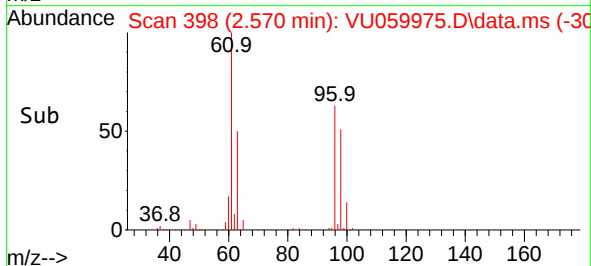
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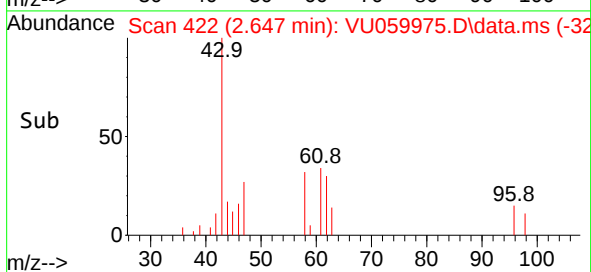
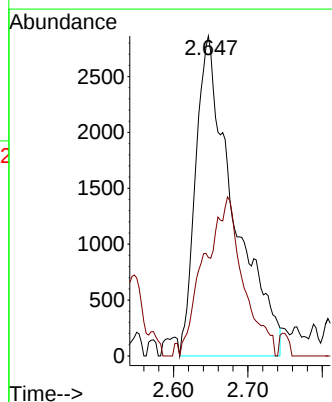
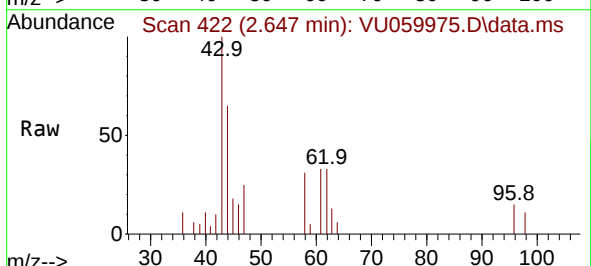
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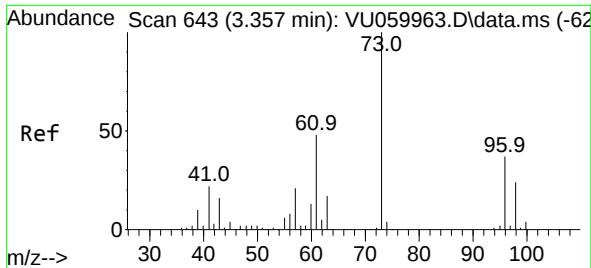
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#13
Acetone
Concen: 8.589 ug/L m
RT: 2.647 min Scan# 422
Delta R.T. 0.022 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30

Tgt Ion: 43 Resp: 10128
Ion Ratio Lower Upper
43 100
58 14.5 0.0 68.0





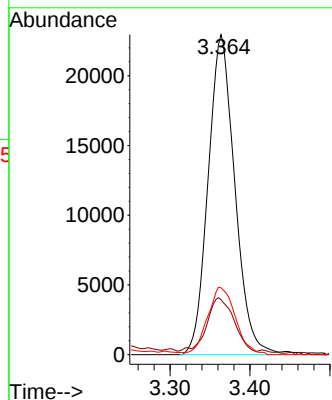
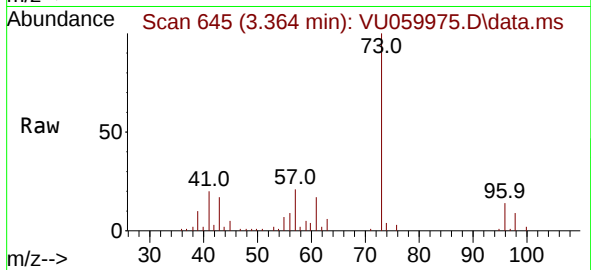
#17
Methyl tert-butyl Ether
Concen: 2.739 ug/L
RT: 3.364 min Scan# 643
Delta R.T. 0.006 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30

Instrument :
MSVOA_U
ClientSampleId :
YDZD7

Tgt Ion: 73 Resp: 53118
Ion Ratio Lower Upper
73 100
43 17.5 14.9 22.3
57 22.1 18.0 27.0

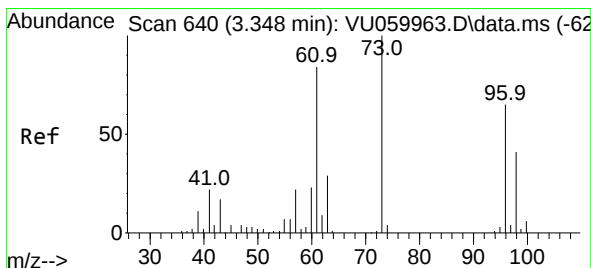
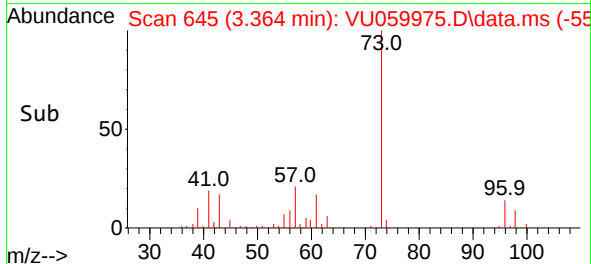
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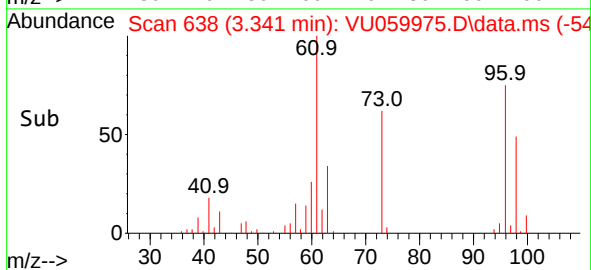
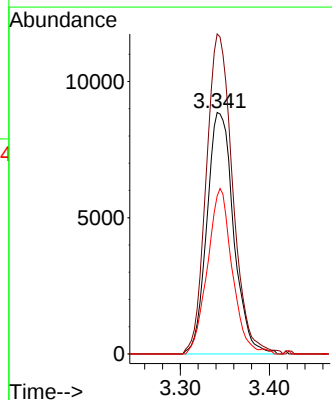
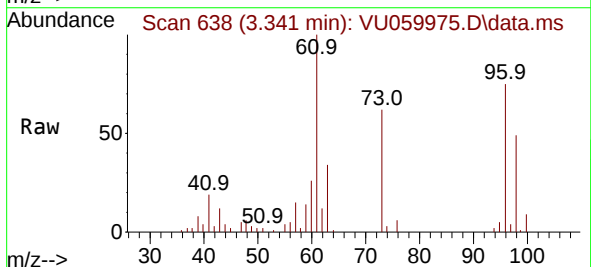
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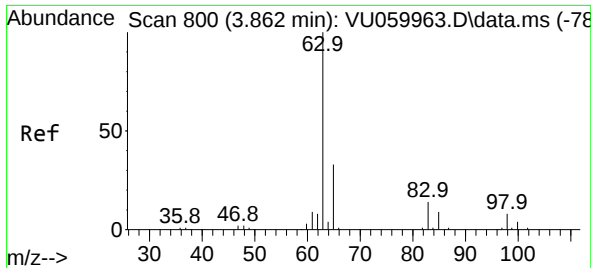
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#18
trans-1,2-Dichloroethene
Concen: 1.967 ug/L
RT: 3.341 min Scan# 638
Delta R.T. -0.006 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30

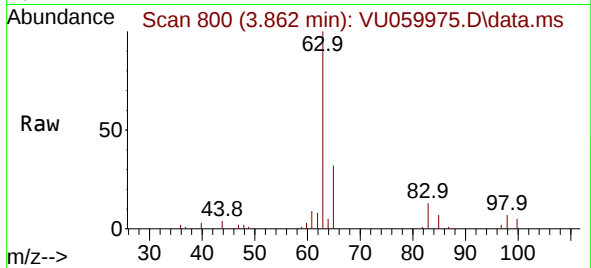
Tgt Ion: 96 Resp: 18413
Ion Ratio Lower Upper
96 100
61 132.6 101.8 189.0
98 65.4 43.3 80.5





#19
1,1-Dichloroethane
Concen: 1.758 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.000 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30

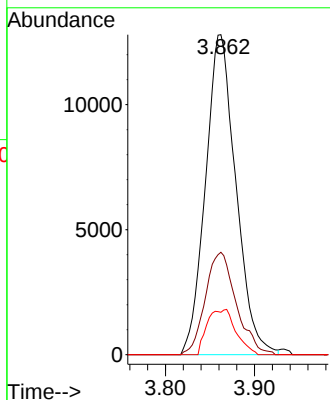
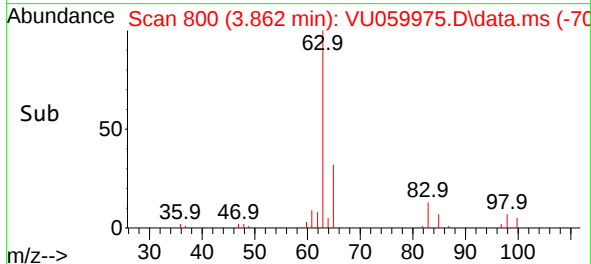
Instrument :
MSVOA_U
ClientSampleId :
YDZD7



Tgt Ion: 63 Resp: 30349
Ion Ratio Lower Upper
63 100
65 32.0 21.8 40.6
83 13.2 9.9 18.5

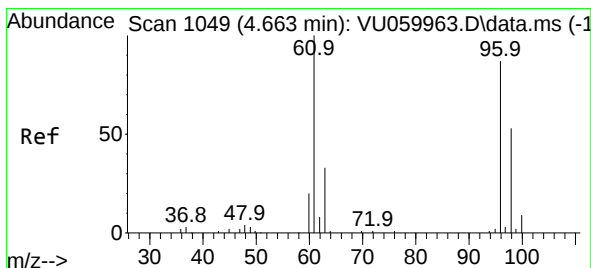
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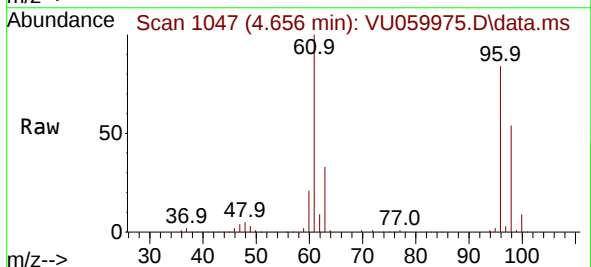


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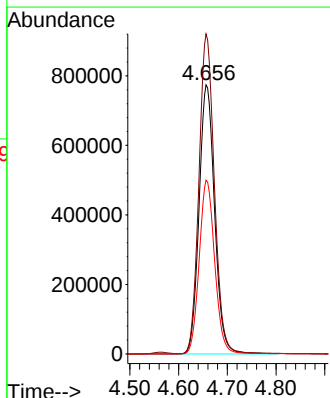
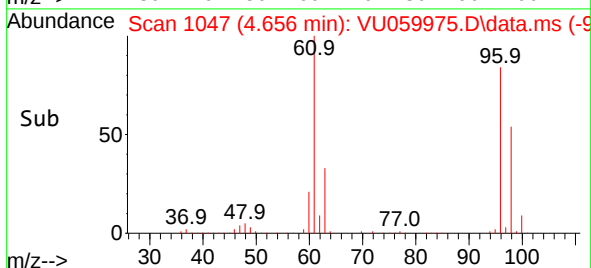
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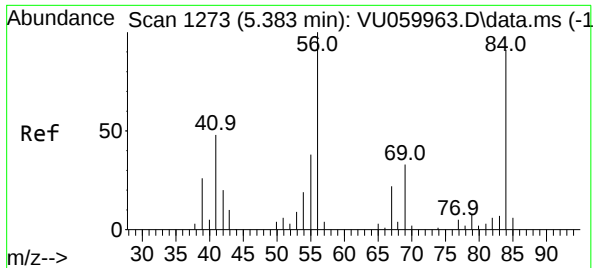


#22
cis-1,2-Dichloroethene
Concen: 166.695 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.007 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30



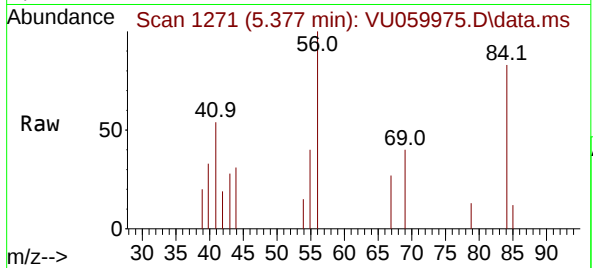
Tgt Ion: 96 Resp: 1719930
Ion Ratio Lower Upper
96 100
61 118.9 87.4 162.2
98 64.6 42.3 78.5





#30
Cyclohexane
Concen: 0.136 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.007 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30

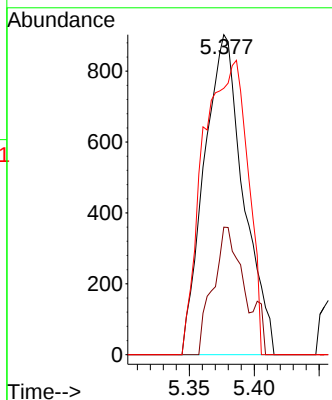
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Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.3	24.8	37.2
84	104.6	69.8	104.8

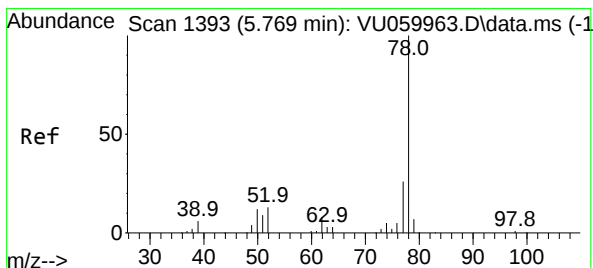
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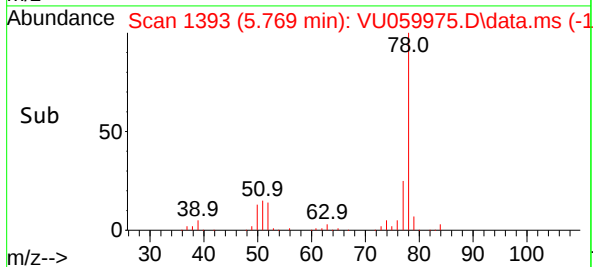
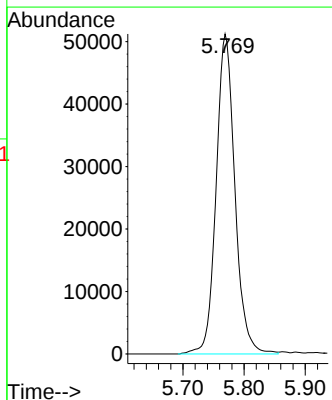
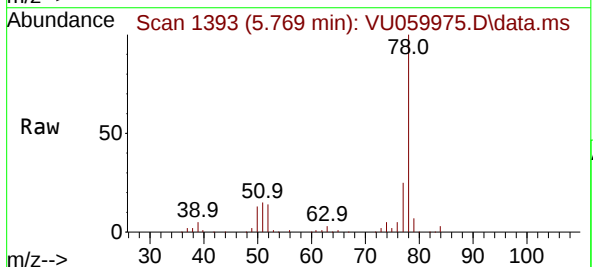
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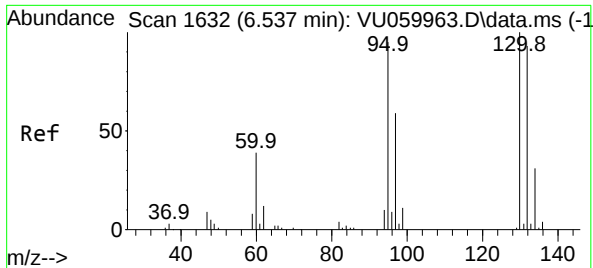
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#33
Benzene
Concen: 2.637 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30

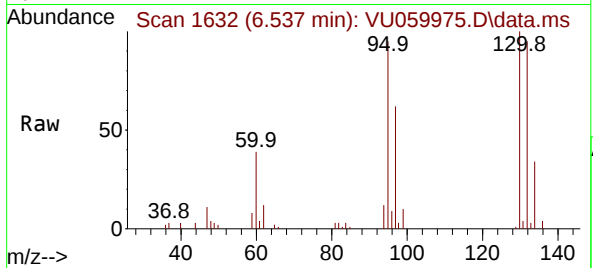
Tgt Ion: 78 Resp: 109080





#34
Trichloroethene
Concen: 1.959 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30

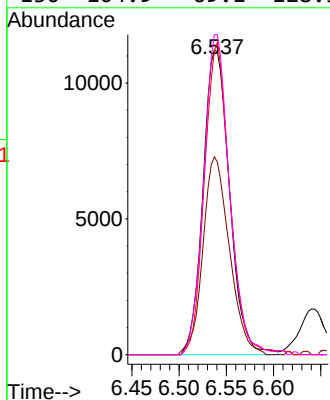
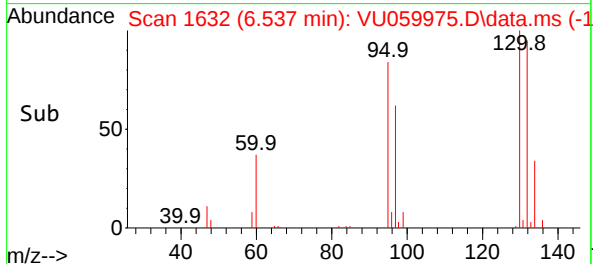
Instrument :
MSVOA_U
ClientSampleId :
YDZD7



Tgt Ion: 95 Resp: 2194
Ion Ratio Lower Upper
95 100
97 64.9 45.3 84.1
132 99.7 64.0 119.0
130 104.9 69.1 128.3

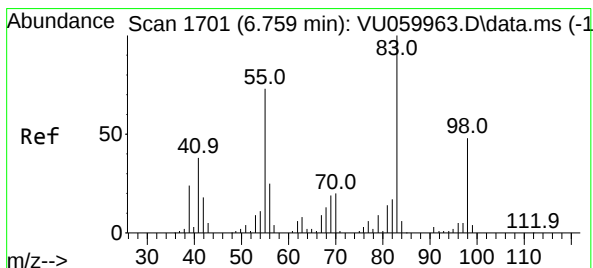
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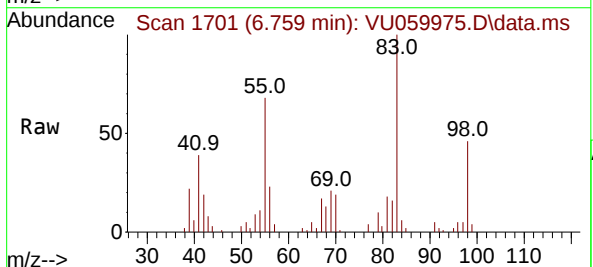


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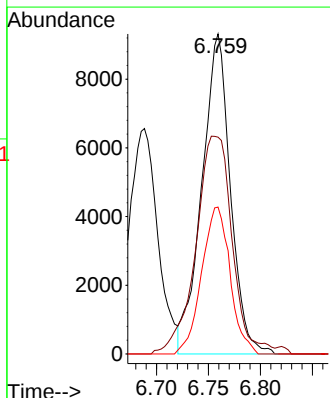
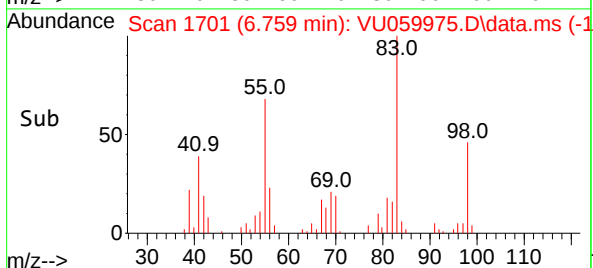
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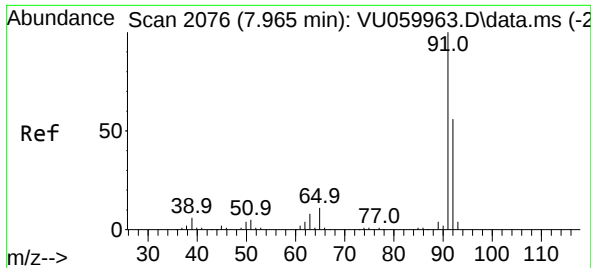


#35
Methylcyclohexane
Concen: 1.116 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30



Tgt Ion: 83 Resp: 17788
Ion Ratio Lower Upper
83 100
55 86.5 62.7 94.1
98 45.8 35.4 53.0





#42

Toluene

Concen: 11.769 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU059975.D

Acq: 16 Jul 2024 15:30

Instrument :

MSVOA_U

ClientSampleId :

YDZD7

Tgt Ion: 91 Resp: 51536

Ion Ratio Lower Upper

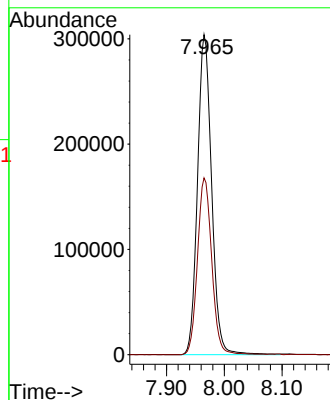
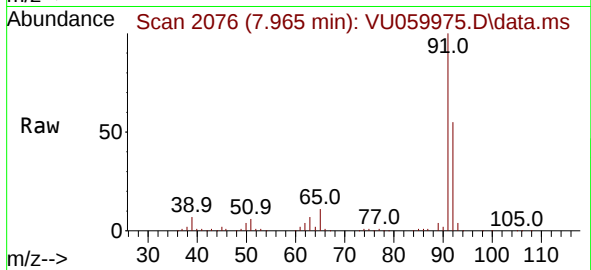
91 100

92 55.3 39.7 73.7

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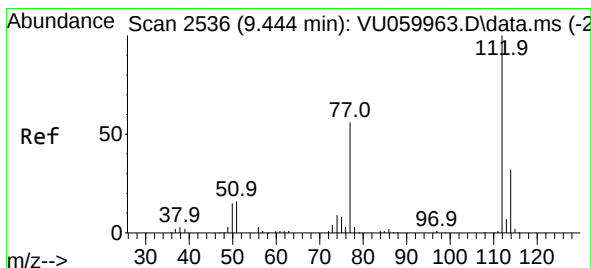
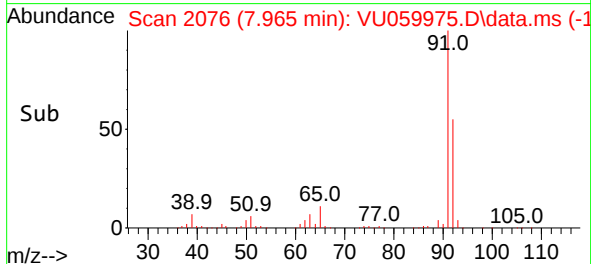
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Reviewed By :Mahesh
Dadoda



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Supervised By :Semsettin
Yesilyurt

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#51

Chlorobenzene

Concen: 2.367 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU059975.D

Acq: 16 Jul 2024 15:30

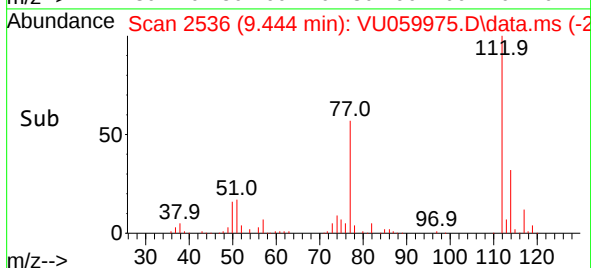
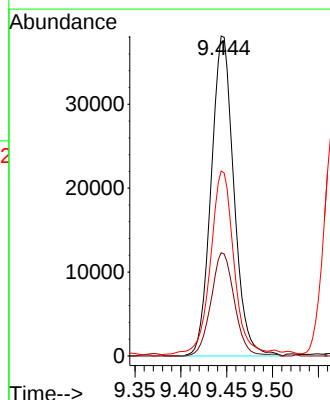
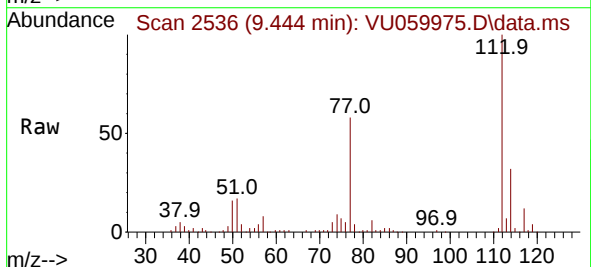
Tgt Ion:112 Resp: 65729

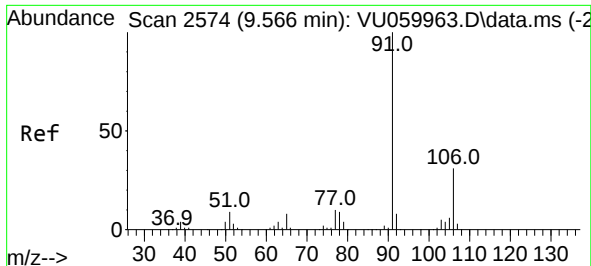
Ion Ratio Lower Upper

112 100

114 32.3 22.4 41.6

77 57.8 49.1 73.7





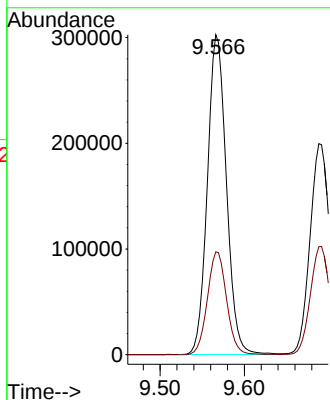
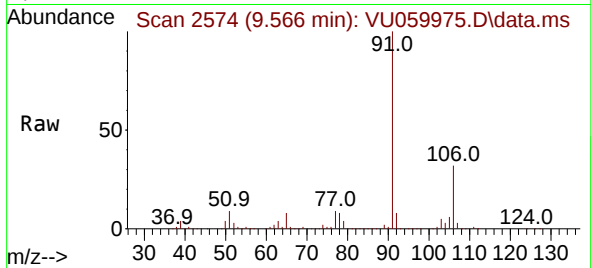
#52
Ethylbenzene
Concen: 10.561 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. -0.000 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30

Instrument :
MSVOA_U
ClientSampleId :
YDZD7

Tgt Ion: 91 Resp: 474419
Ion Ratio Lower Upper
91 100
106 32.1 20.9 38.7

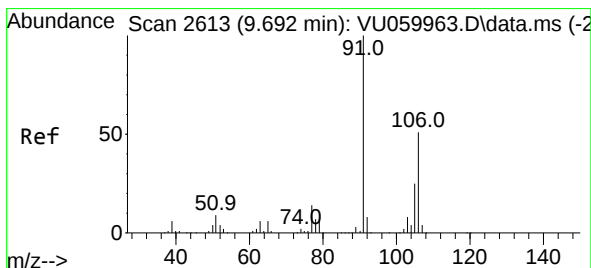
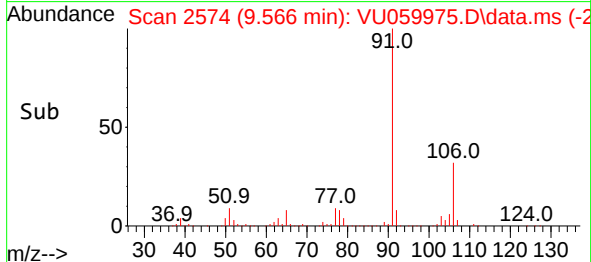
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Reviewed By :Mahesh
Dadoda



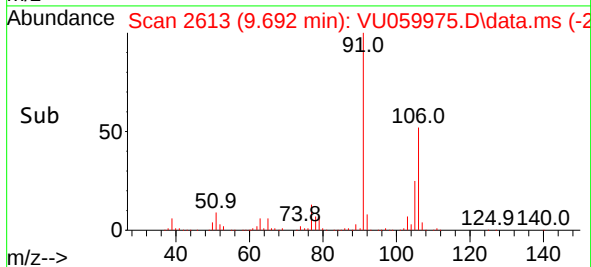
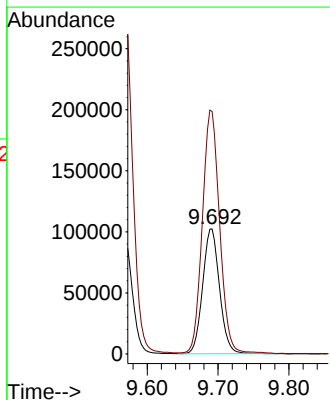
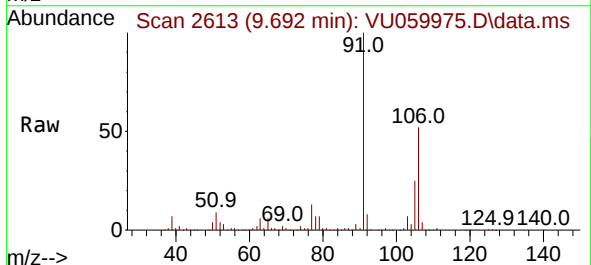
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Supervised By :Semsettin
Yesilyurt

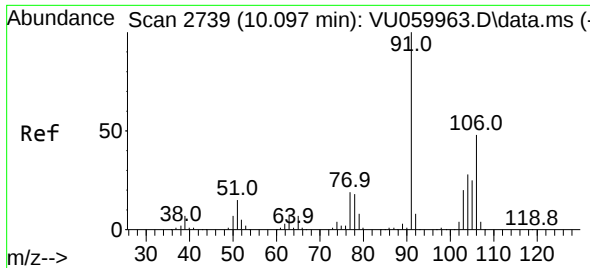
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#53
m,p-Xylene
Concen: 9.787 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30

Tgt Ion:106 Resp: 168852
Ion Ratio Lower Upper
106 100
91 194.1 142.0 263.8





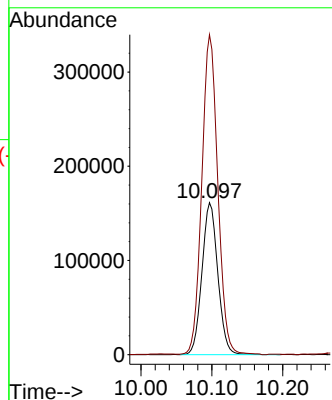
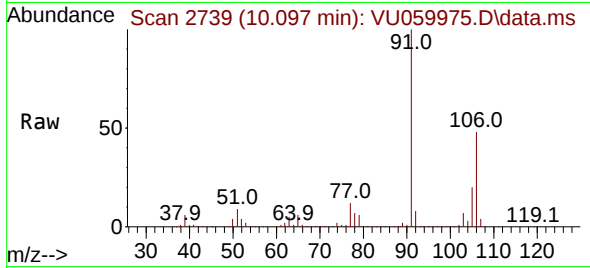
#54
o-Xylene
Concen: 15.305 ug/L
RT: 10.097 min Scan# 2106
Delta R.T. -0.000 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30

Instrument :
MSVOA_U
ClientSampleId :
YDZD7

Tgt Ion:106 Resp: 250589
Ion Ratio Lower Upper
106 100
91 210.4 151.6 281.6

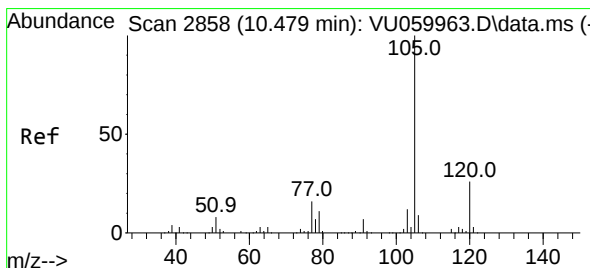
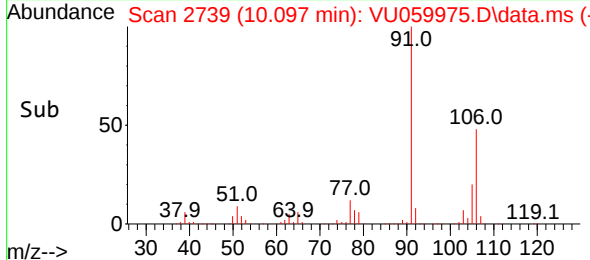
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Dadoda



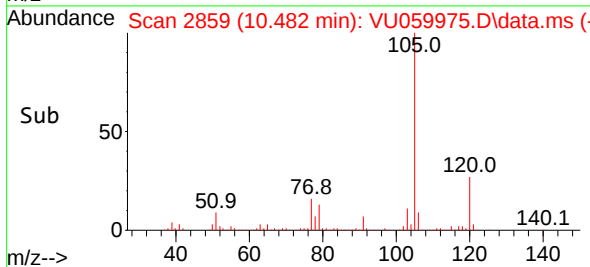
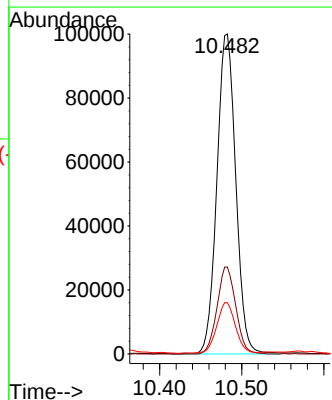
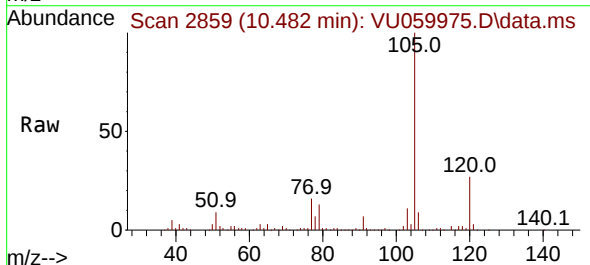
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Supervised By :Semsettin
Yesilyurt

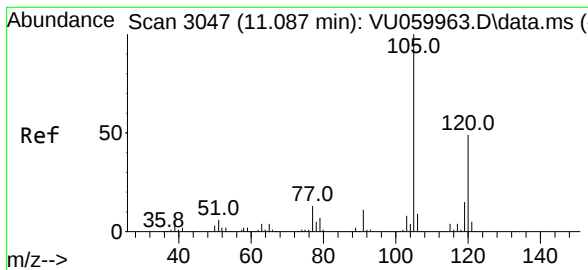
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#60
Isopropylbenzene
Concen: 3.347 ug/L
RT: 10.482 min Scan# 2859
Delta R.T. 0.003 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30

Tgt Ion:105 Resp: 160438
Ion Ratio Lower Upper
105 100
120 26.9 20.6 31.0
77 15.5 12.8 19.2





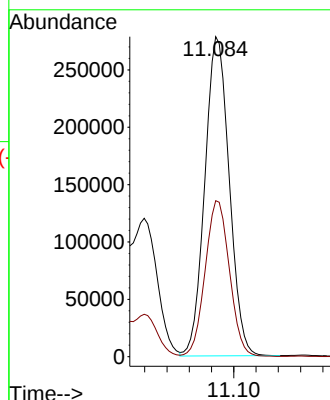
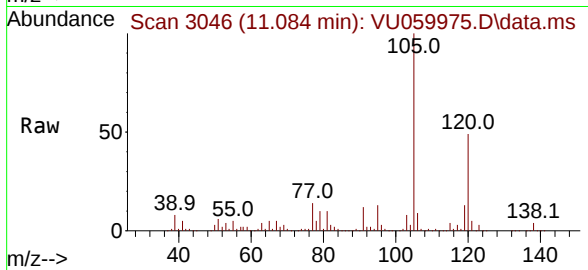
#62
1,3,5-Trimethylbenzene
Concen: 11.141 ug/L
RT: 11.084 min Scan# 3047
Delta R.T. -0.003 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30

Instrument :
MSVOA_U
ClientSampleId :
YDZD7

Tgt Ion:105 Resp: 42304
Ion Ratio Lower Upper
105 100
120 48.7 38.2 57.4

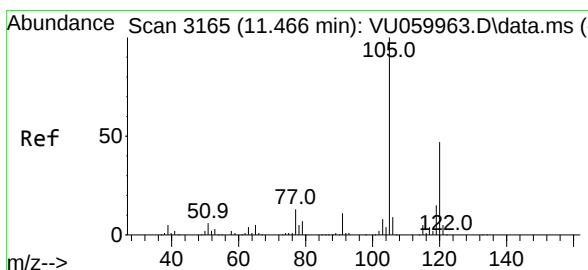
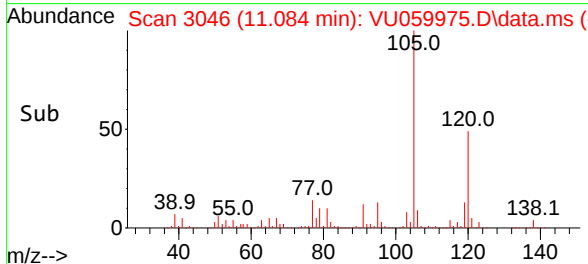
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Dadoda



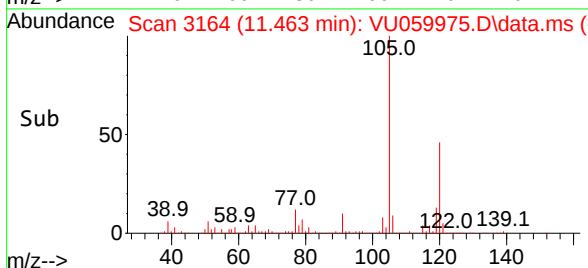
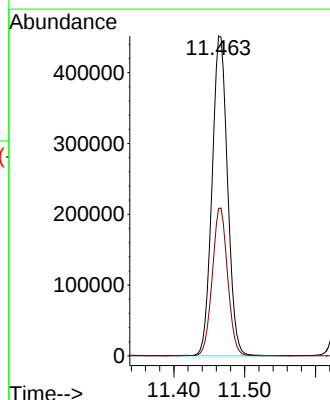
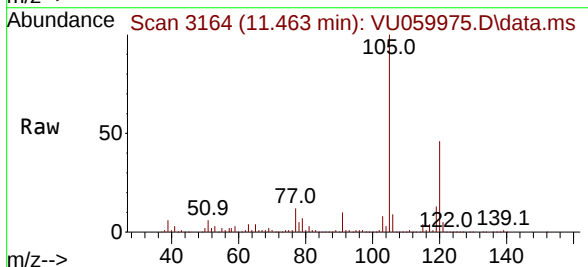
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Supervised By :Semsettin
Yesilyurt

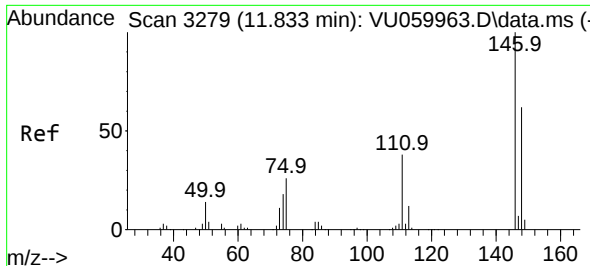
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#63
1,2,4-Trimethylbenzene
Concen: 18.899 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.003 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30

Tgt Ion:105 Resp: 686098
Ion Ratio Lower Upper
105 100
120 45.7 35.4 53.0





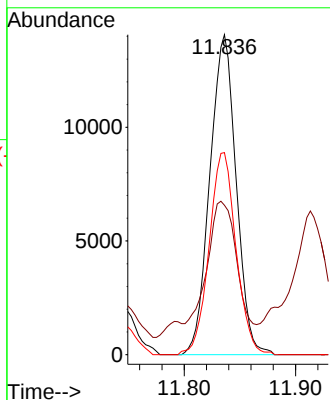
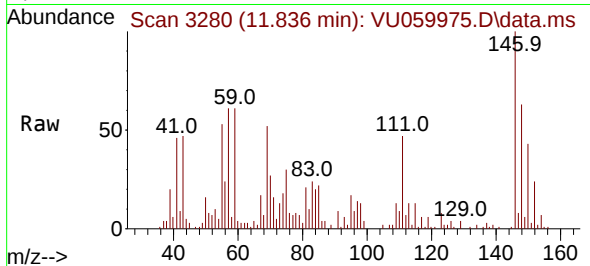
#65
1,4-Dichlorobenzene
Concen: 0.920 ug/L
RT: 11.836 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30

Instrument :
MSVOA_U
ClientSampleId :
YDZD7

Tgt Ion:146 Resp: 23084
Ion Ratio Lower Upper
146 100
111 46.7 26.9 50.1
148 63.1 45.3 84.1

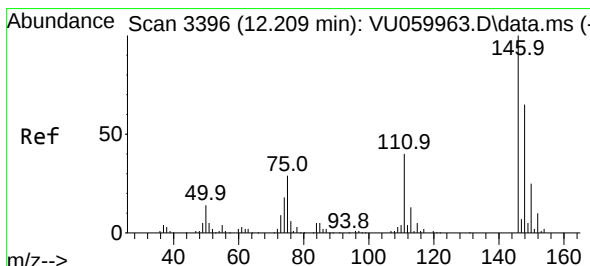
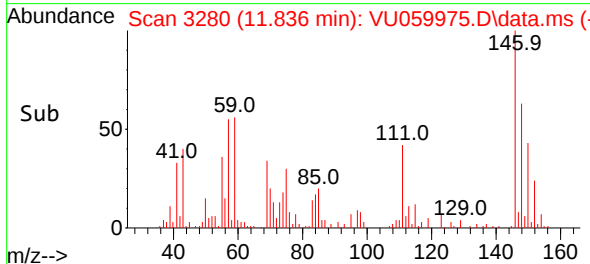
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Reviewed By :Mahesh
Dadoda



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Supervised By :Semsettin
Yesilyurt

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#67
1,2-Dichlorobenzene
Concen: 10.555 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. -0.000 min
Lab File: VU059975.D
Acq: 16 Jul 2024 15:30

Tgt Ion:146 Resp: 242145
Ion Ratio Lower Upper
146 100
111 40.4 33.4 50.0
148 64.0 49.7 74.5

