

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070524\
 Data File : VU059864.D
 Acq On : 05 Jul 2024 16:07
 Operator : MD/SY
 Sample : P3137-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZK4

Quant Time: Jul 06 03:05:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 06 02:59:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	147143	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	150337	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	77497	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	43973	4.298	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.000%
7) Chloroethane-d5	1.908	69	39081	3.970	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.400%
11) 1,1-Dichloroethene-d2	2.554	65	19287	4.544	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.800%
20) 2-Butanone-d5	4.647	46	79952	37.936	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.880%
24) Chloroform-d	5.055	84	89675	4.270	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
26) 1,2-Dichloroethane-d4	5.698	65	44754	4.424	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.400%
32) Benzene-d6	5.718	84	169432	4.095	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
36) 1,2-Dichloropropane-d6	6.685	67	56423	4.450	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.000%
41) Toluene-d8	7.891	98	147104	3.824	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.400%
43) trans-1,3-Dichloroprop...	8.177	79	20004	5.039	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.800%
46) 2-Hexanone-d5	8.634	63	89861	54.476	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.960%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	52490	5.011	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	66915	4.851	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	73948	4.989	ug/L	99
8) Chloroethane	1.927	64	7097	0.795	ug/L	93
13) Acetone	2.653	43	9525	6.967	ug/L	83
16) Methylene chloride	3.036	84	3250	0.263	ug/L	89
17) Methyl tert-butyl Ether	3.364	73	64180	2.854	ug/L	99
18) trans-1,2-Dichloroethene	3.335	96	11761	1.084	ug/L	89
19) 1,1-Dichloroethane	3.856	63	15298	0.764	ug/L	98
22) cis-1,2-Dichloroethene	4.657	96	10010	0.837	ug/L	90
30) Cyclohexane	5.380	56	2407	0.157	ug/L #	90
33) Benzene	5.766	78	100779	2.207	ug/L	100
42) Toluene	7.965	91	14214	0.294	ug/L	93
51) Chlorobenzene	9.444	112	36237	1.182	ug/L	94
53) m,p-Xylene	9.695	106	7710	0.405	ug/L	84
60) Isopropylbenzene	10.480	105	11531	0.241	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	3841	0.158	ug/L #	85
65) 1,4-Dichlorobenzene	11.833	146	7703	0.307	ug/L	91
67) 1,2-Dichlorobenzene	12.206	146	97570	4.258	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jul 06 02:59:52 2024
Response via : Initial Calibration

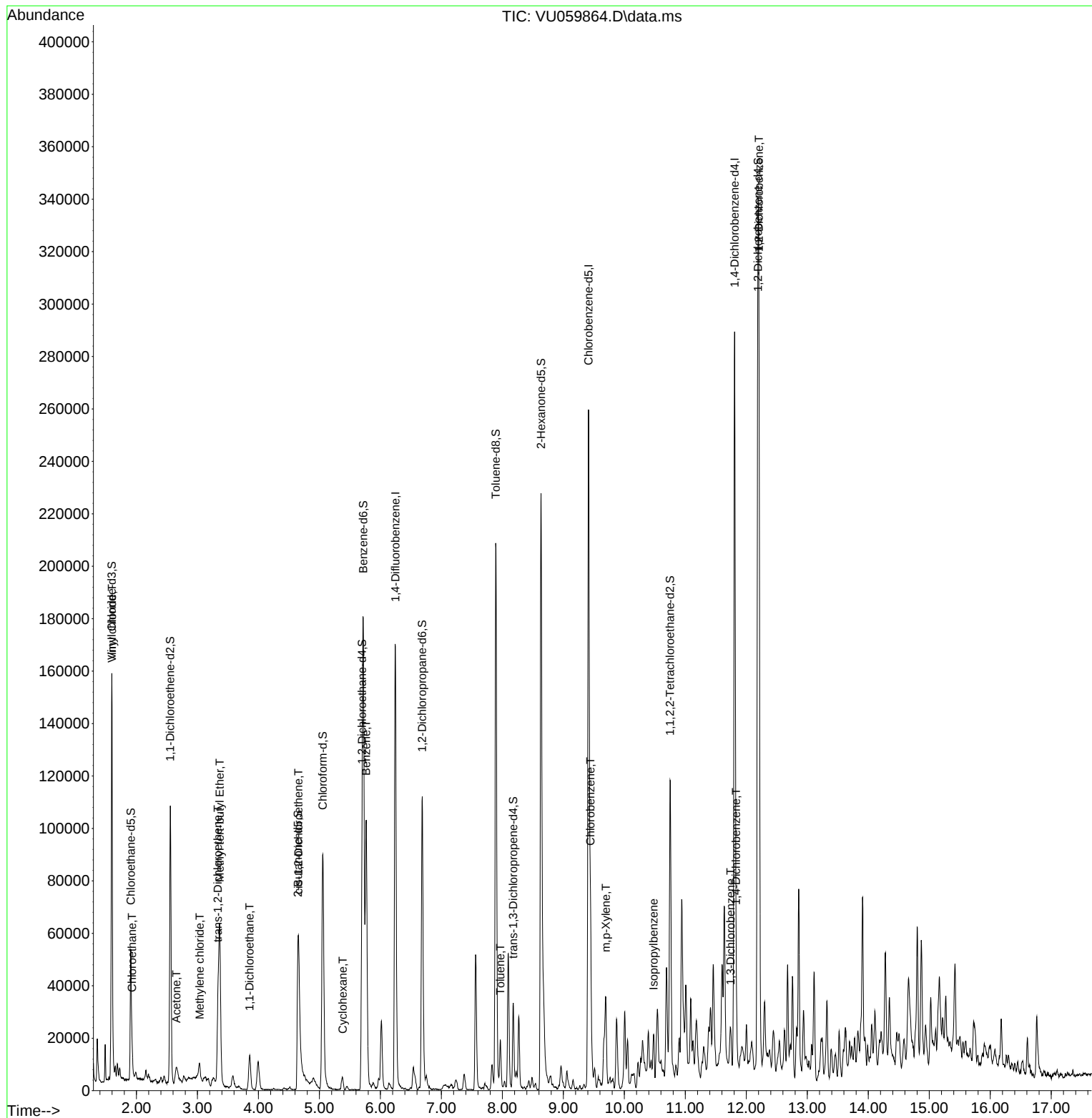
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

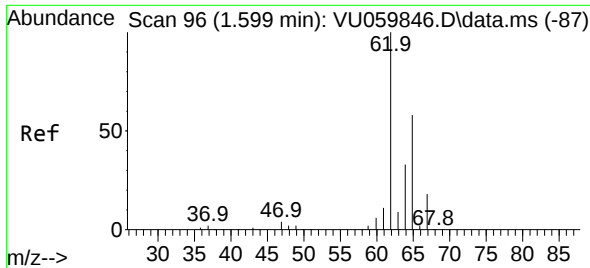
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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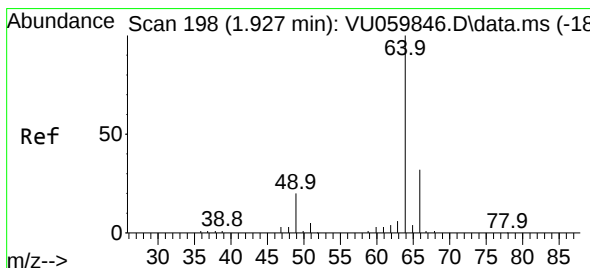
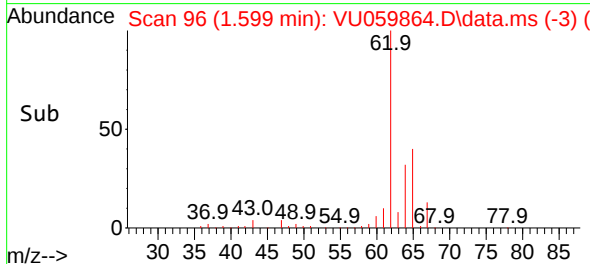
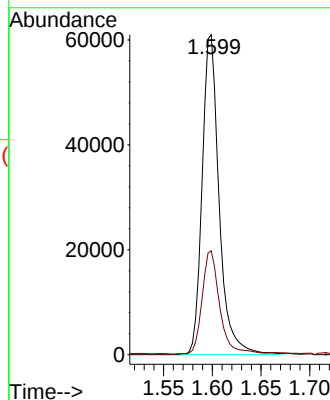
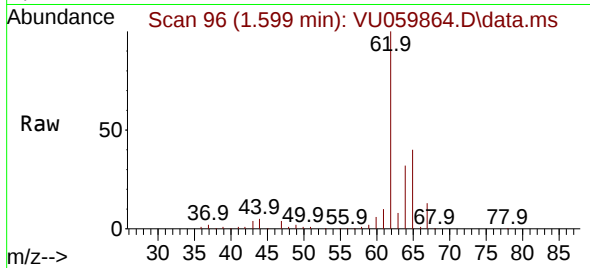




#5
 Vinyl chloride
 Concen: 4.989 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU059864.D
 Acq: 05 Jul 2024 16:07

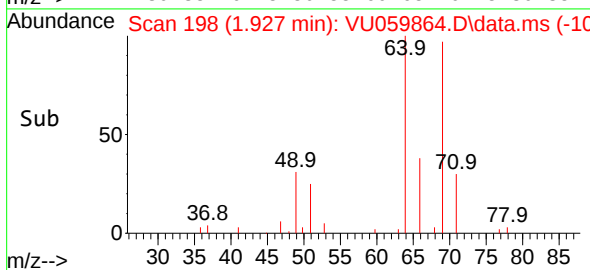
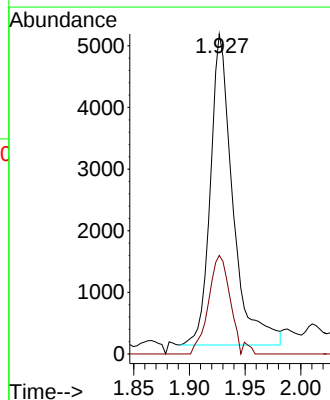
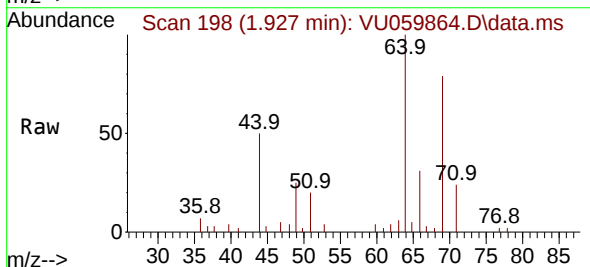
Instrument :
 MSVOA_U
 ClientSampleId :
 YDZK4

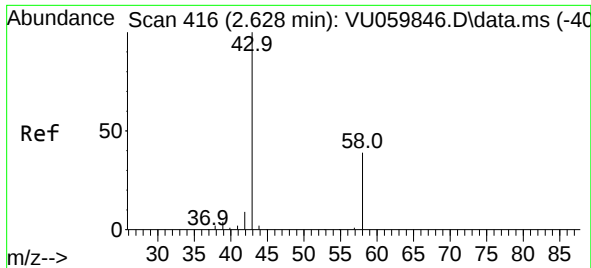
Tgt Ion: 62 Resp: 73948
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.1 42.9



#8
 Chloroethane
 Concen: 0.795 ug/L
 RT: 1.927 min Scan# 198
 Delta R.T. 0.000 min
 Lab File: VU059864.D
 Acq: 05 Jul 2024 16:07

Tgt Ion: 64 Resp: 7097
 Ion Ratio Lower Upper
 64 100
 66 29.3 23.2 43.2





#13

Acetone

Concen: 6.967 ug/L

RT: 2.653 min Scan# 41

Delta R.T. 0.026 min

Lab File: VU059864.D

Acq: 05 Jul 2024 16:07

Instrument :

MSVOA_U

ClientSampleId :

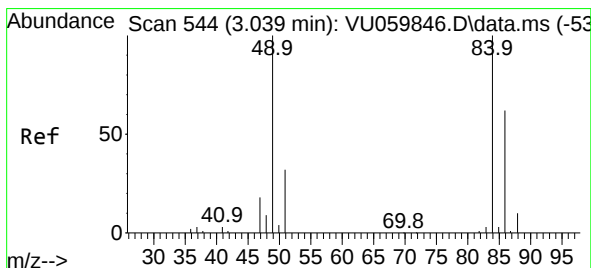
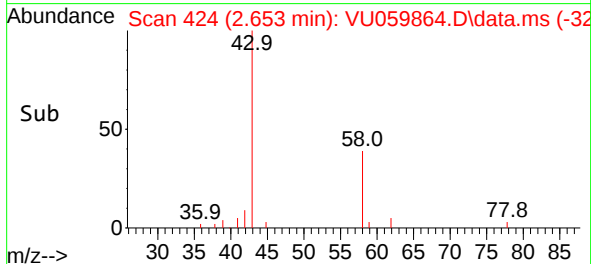
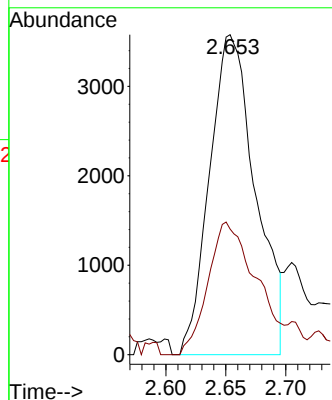
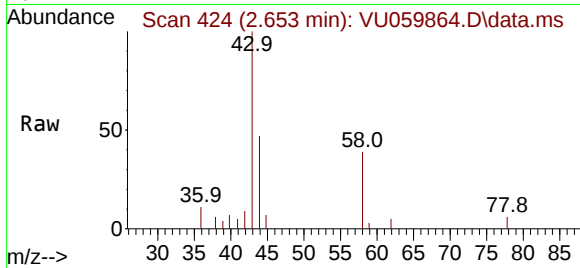
YDZK4

Tgt Ion: 43 Resp: 9525

Ion Ratio Lower Upper

43 100

58 43.5 0.0 68.0



#16

Methylene chloride

Concen: 0.263 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU059864.D

Acq: 05 Jul 2024 16:07

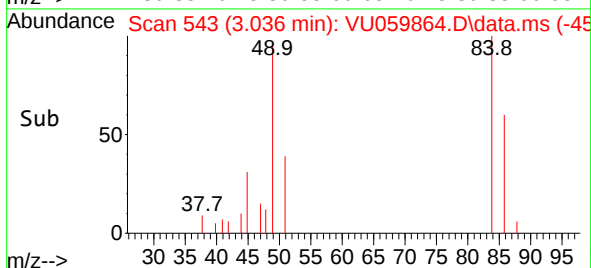
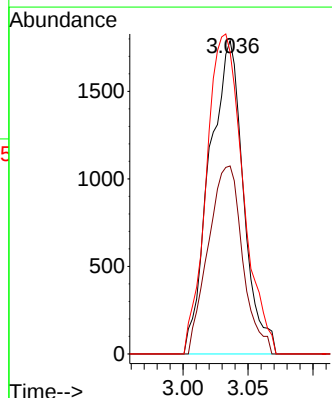
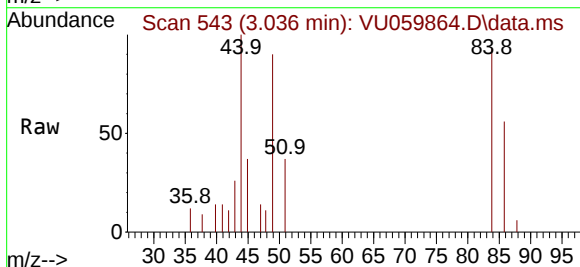
Tgt Ion: 84 Resp: 3250

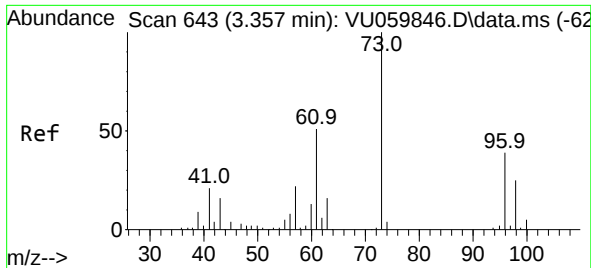
Ion Ratio Lower Upper

84 100

86 60.0 42.1 78.1

49 96.4 80.6 149.8

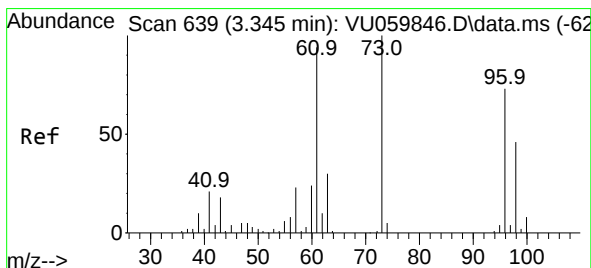
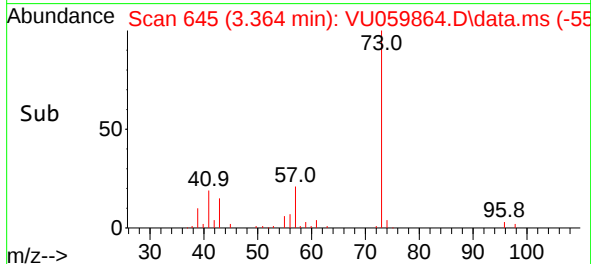
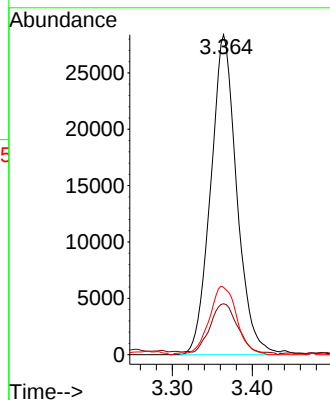
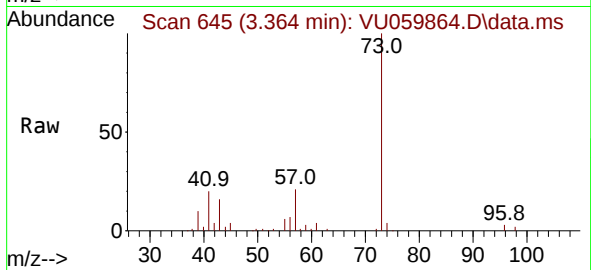




#17
Methyl tert-butyl Ether
Concen: 2.854 ug/L
RT: 3.364 min Scan# 643
Delta R.T. 0.007 min
Lab File: VU059864.D
Acq: 05 Jul 2024 16:07

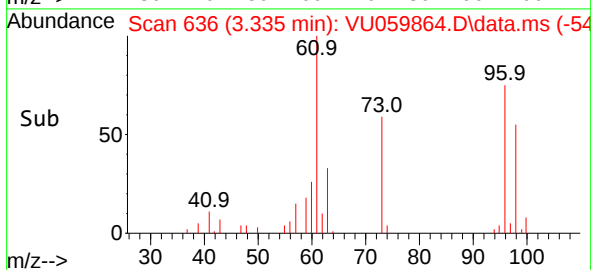
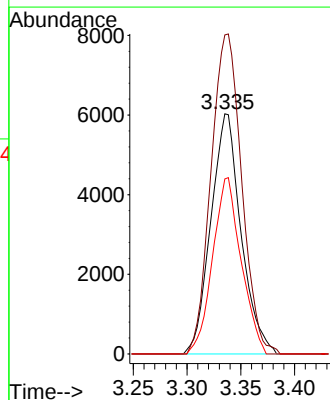
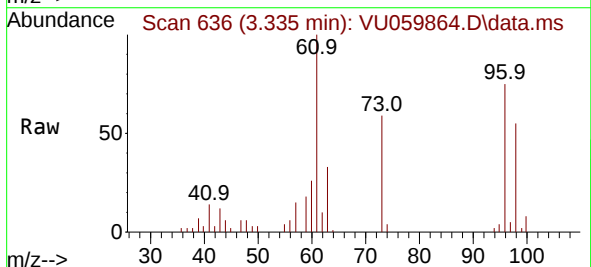
Instrument :
MSVOA_U
ClientSampleId :
YDZK4

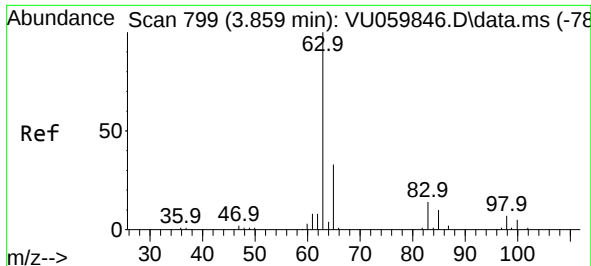
Tgt Ion: 73 Resp: 64180
Ion Ratio Lower Upper
73 100
43 17.4 14.9 22.3
57 22.6 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 1.084 ug/L
RT: 3.335 min Scan# 636
Delta R.T. -0.009 min
Lab File: VU059864.D
Acq: 05 Jul 2024 16:07

Tgt Ion: 96 Resp: 11761
Ion Ratio Lower Upper
96 100
61 132.8 101.8 189.0
98 72.9 43.3 80.5





#19

1,1-Dichloroethane

Concen: 0.764 ug/L

RT: 3.856 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU059864.D

Acq: 05 Jul 2024 16:07

Instrument :

MSVOA_U

ClientSampleId :

YDZK4

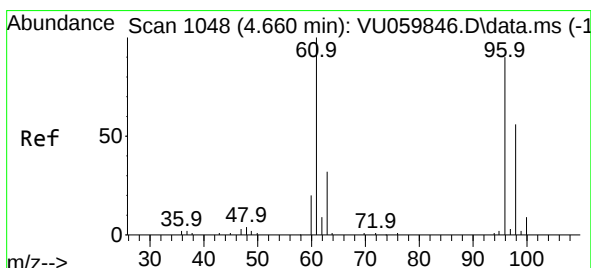
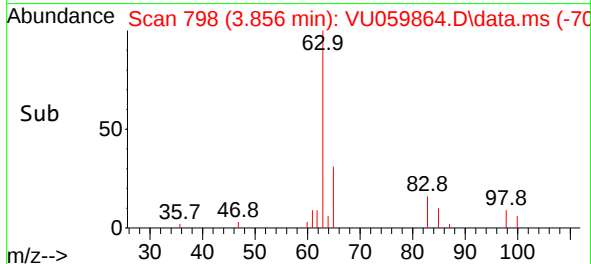
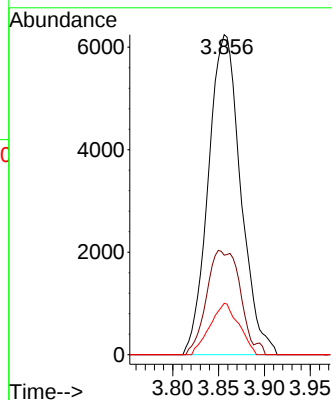
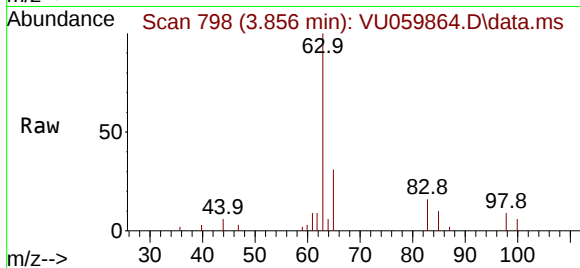
Tgt Ion: 63 Resp: 15298

Ion Ratio Lower Upper

63 100

65 31.1 21.8 40.6

83 16.1 9.9 18.5



#22

cis-1,2-Dichloroethene

Concen: 0.837 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU059864.D

Acq: 05 Jul 2024 16:07

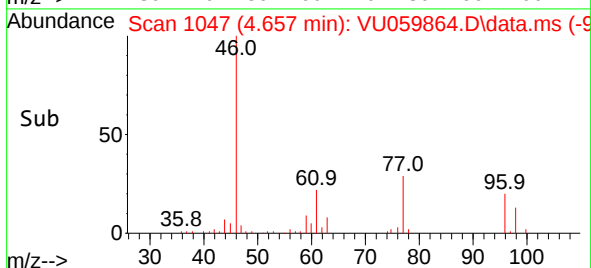
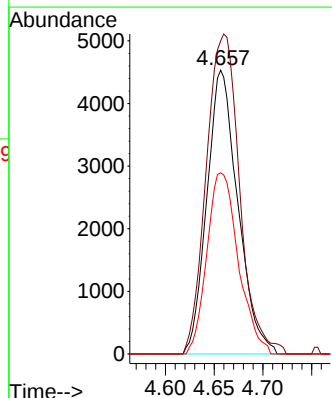
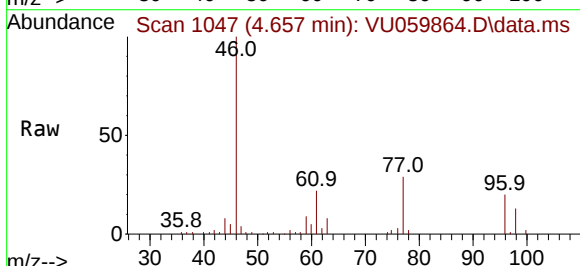
Tgt Ion: 96 Resp: 10010

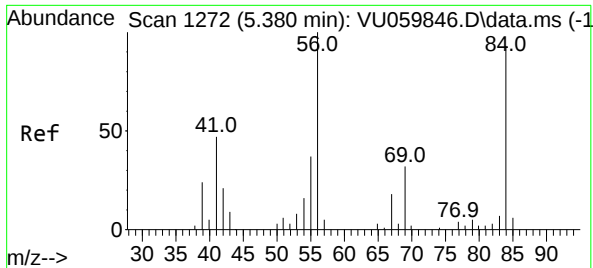
Ion Ratio Lower Upper

96 100

61 110.3 87.4 162.2

98 63.8 42.3 78.5





#30

Cyclohexane

Concen: 0.157 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VU059864.D

Acq: 05 Jul 2024 16:07

Instrument :

MSVOA_U

ClientSampleId :

YDZK4

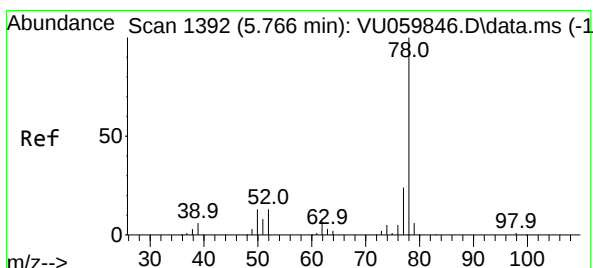
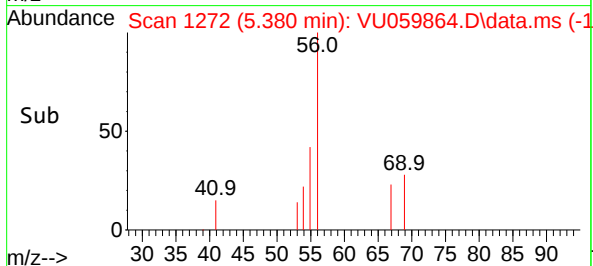
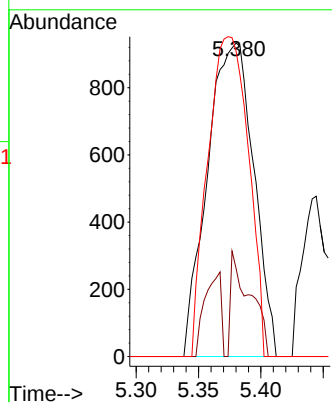
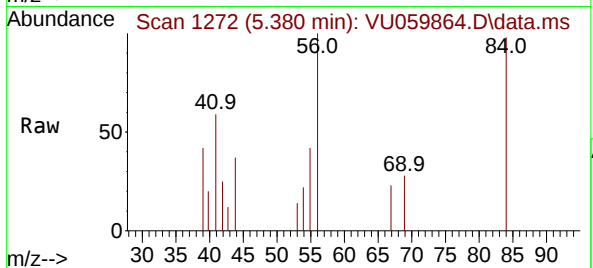
Tgt Ion: 56 Resp: 2407

Ion Ratio Lower Upper

56 100

69 14.1 24.8 37.2#

84 89.5 69.8 104.8



#33

Benzene

Concen: 2.207 ug/L

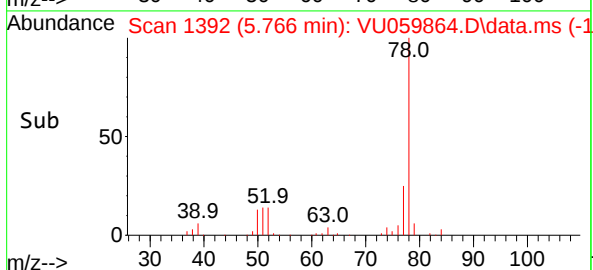
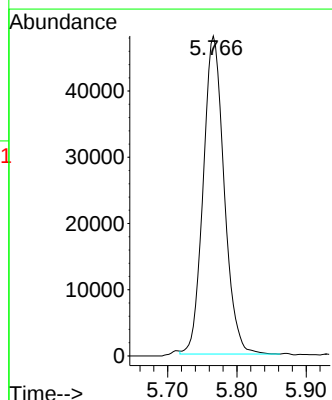
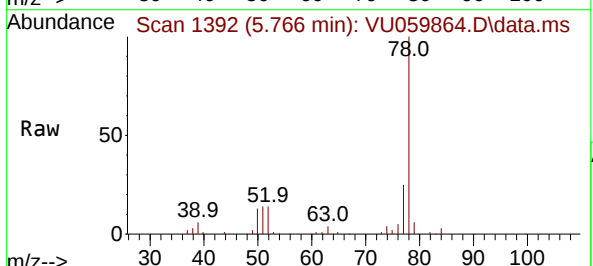
RT: 5.766 min Scan# 1392

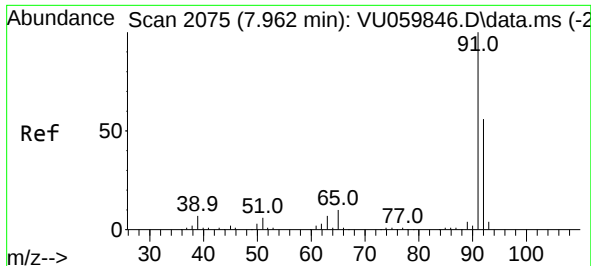
Delta R.T. 0.000 min

Lab File: VU059864.D

Acq: 05 Jul 2024 16:07

Tgt Ion: 78 Resp: 100779





#42

Toluene

Concen: 0.294 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU059864.D

Acq: 05 Jul 2024 16:07

Instrument :

MSVOA_U

ClientSampleId :

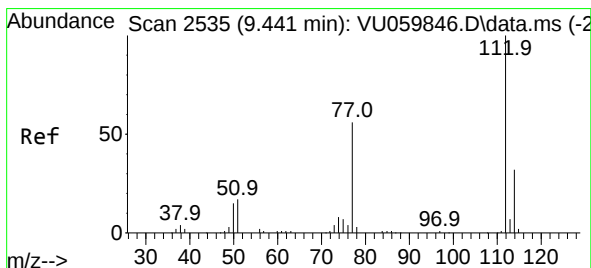
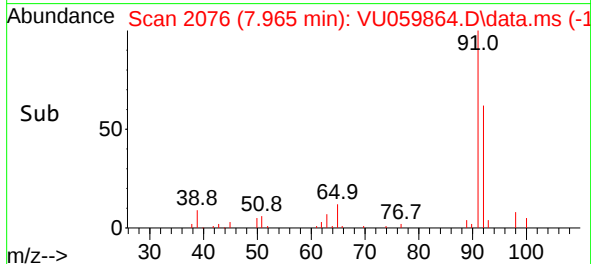
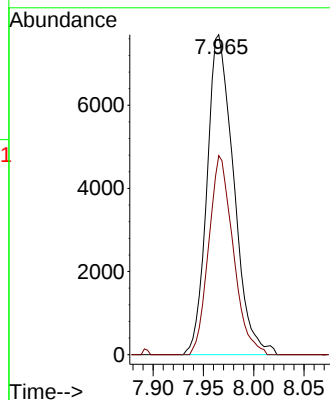
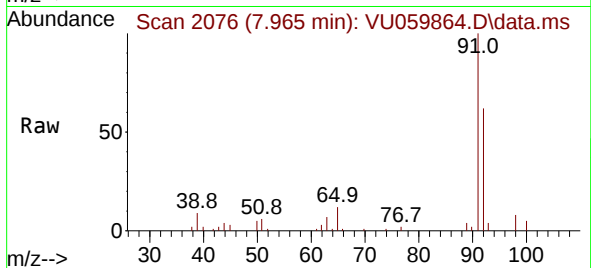
YDZK4

Tgt Ion: 91 Resp: 14214

Ion Ratio Lower Upper

91 100

92 62.2 39.7 73.7



#51

Chlorobenzene

Concen: 1.182 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU059864.D

Acq: 05 Jul 2024 16:07

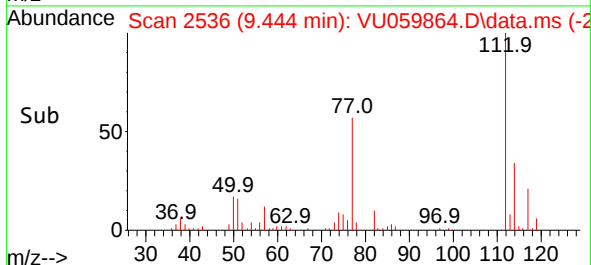
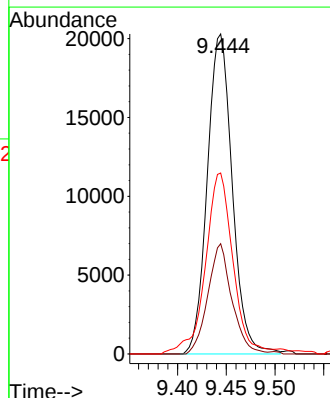
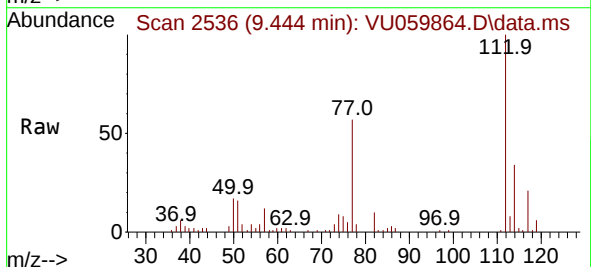
Tgt Ion: 112 Resp: 36237

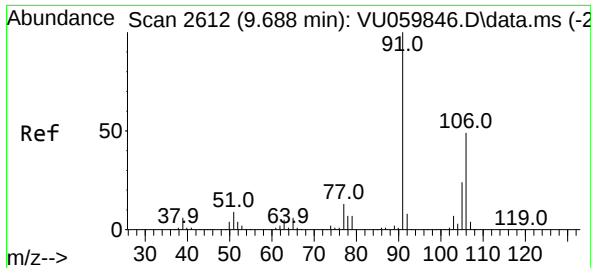
Ion Ratio Lower Upper

112 100

114 34.5 22.4 41.6

77 56.6 49.1 73.7

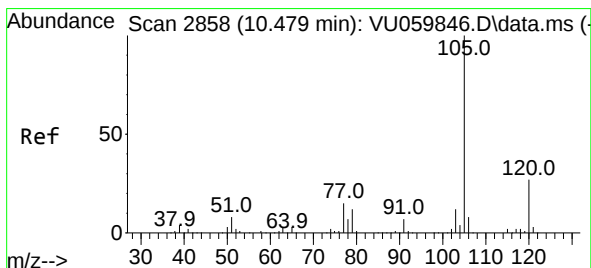
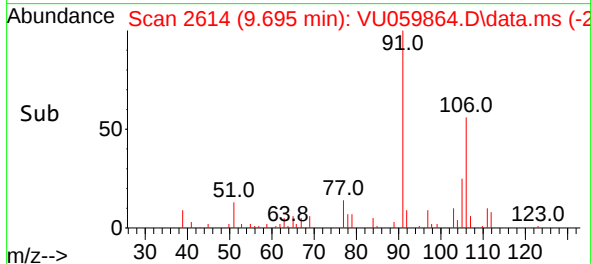
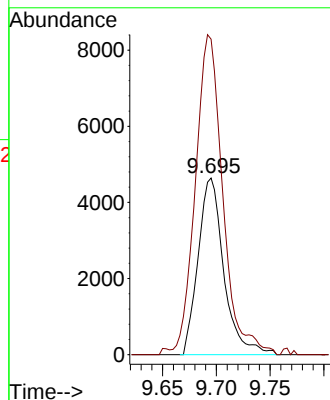
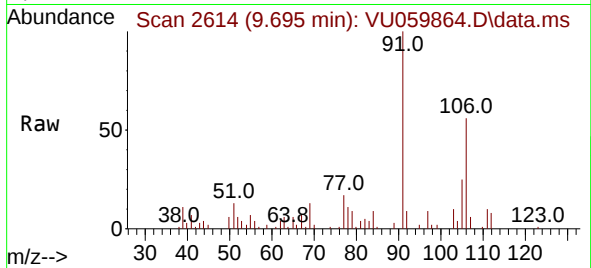




#53
m,p-Xylene
Concen: 0.405 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.007 min
Lab File: VU059864.D
Acq: 05 Jul 2024 16:07

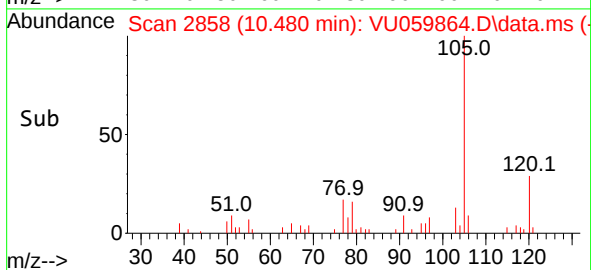
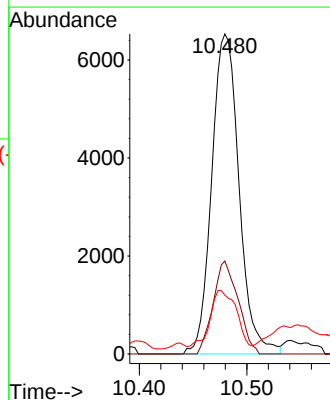
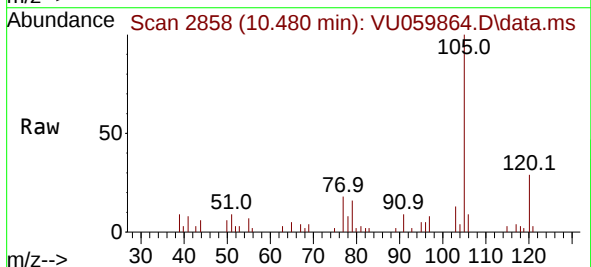
Instrument :
MSVOA_U
ClientSampleId :
YDZK4

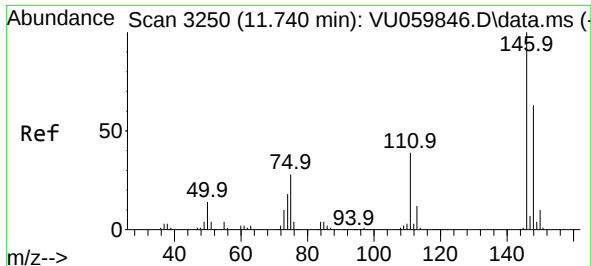
Tgt Ion:106 Resp: 7710
Ion Ratio Lower Upper
106 100
91 178.7 142.0 263.8



#60
Isopropylbenzene
Concen: 0.241 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU059864.D
Acq: 05 Jul 2024 16:07

Tgt Ion:105 Resp: 11531
Ion Ratio Lower Upper
105 100
120 26.5 20.6 31.0
77 16.3 12.8 19.2

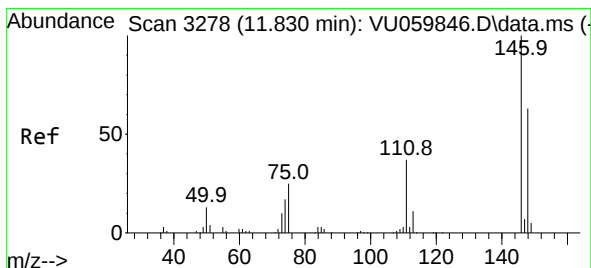
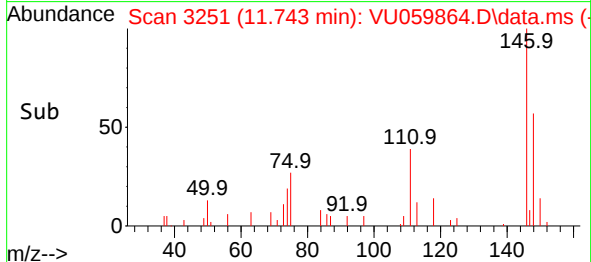
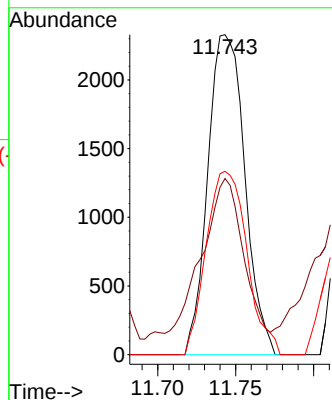
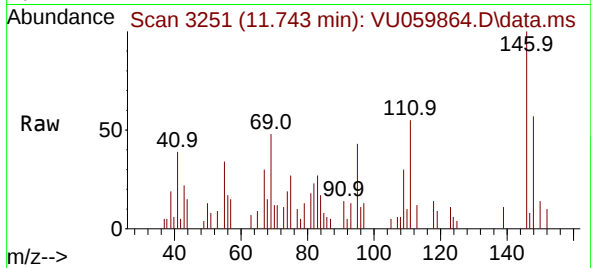




#64
1,3-Dichlorobenzene
Concen: 0.158 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU059864.D
Acq: 05 Jul 2024 16:07

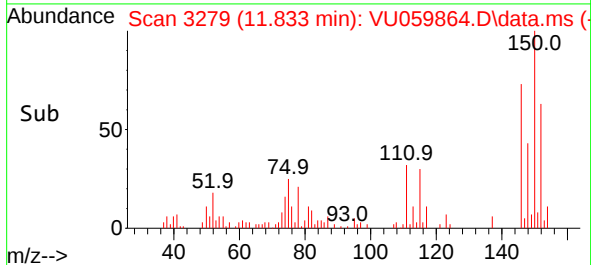
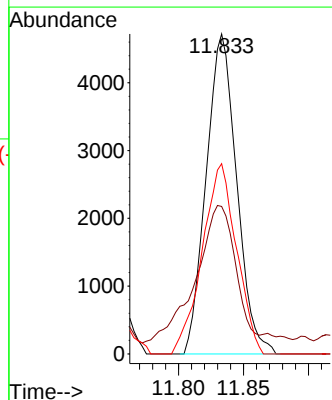
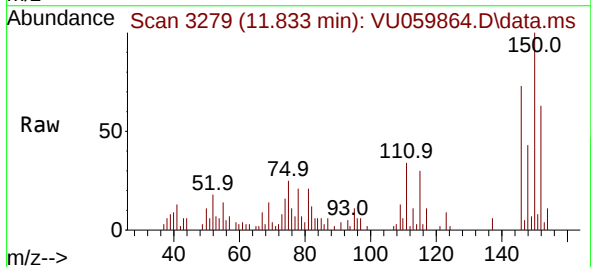
Instrument :
MSVOA_U
ClientSampleId :
YDZK4

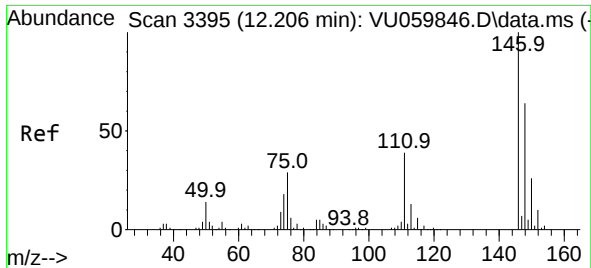
Tgt Ion:146 Resp: 3841
Ion Ratio Lower Upper
146 100
111 55.0 27.4 51.0#
148 57.3 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 0.307 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU059864.D
Acq: 05 Jul 2024 16:07

Tgt Ion:146 Resp: 7703
Ion Ratio Lower Upper
146 100
111 46.1 26.9 50.1
148 59.5 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 4.258 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU059864.D

Acq: 05 Jul 2024 16:07

Instrument :

MSVOA_U

ClientSampleId :

YDZK4

Tgt Ion:146 Resp: 97570

Ion Ratio Lower Upper

146 100

111 40.3 33.4 50.0

148 62.5 49.7 74.5

