

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071824\
 Data File : VU060043.D
 Acq On : 19 Jul 2024 01:57
 Operator : MD/SY
 Sample : P3244-01 40X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZD0

Quant Time: Jul 19 03:45:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 19 02:49:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	140841	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	143199	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	79203	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	38994	3.979	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.600%
7) Chloroethane-d5	1.911	69	37431	4.112	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.200%
11) 1,1-Dichloroethene-d2	2.563	65	15307	4.001	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.000%
20) 2-Butanone-d5	4.628	46	109144	47.640	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.280%
24) Chloroform-d	5.055	84	84585	4.107	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
26) 1,2-Dichloroethane-d4	5.695	65	41292	4.306	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
32) Benzene-d6	5.721	84	170541	4.445	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
36) 1,2-Dichloropropane-d6	6.682	67	55521	4.541	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.891	98	142572	4.113	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
43) trans-1,3-Dichloroprop...	8.177	79	17781	4.273	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.400%
46) 2-Hexanone-d5	8.627	63	88146	47.731	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.460%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	47817	4.395	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	66516	4.653	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	264242	18.323	ug/L	98
12) 1,1-Dichloroethene	2.576	96	2571	0.239	ug/L #	1
16) Methylene chloride	3.039	84	5440	0.413	ug/L	92
18) trans-1,2-Dichloroethene	3.348	96	11491	1.028	ug/L	92
19) 1,1-Dichloroethane	3.866	63	10542	0.496	ug/L	98
22) cis-1,2-Dichloroethene	4.657	96	2833099	226.198	ug/L	98
33) Benzene	5.769	78	40095	0.848	ug/L	100
42) Toluene	7.962	91	1652422	32.824	ug/L	100
51) Chlorobenzene	9.441	112	12375	0.376	ug/L	98
52) Ethylbenzene	9.563	91	290082	5.778	ug/L	100
53) m,p-Xylene	9.685	106	379716	19.578	ug/L	99
54) o-Xylene	10.094	106	181190	9.769	ug/L	97
60) Isopropylbenzene	10.480	105	26933	0.520	ug/L #	65
62) 1,3,5-Trimethylbenzene	11.081	105	140386	3.547	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	618549	16.172	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	6891	0.243	ug/L	95
67) 1,2-Dichlorobenzene	12.206	146	32568	1.221	ug/L	92

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Quant Time: Jul 19 03:45:01 2024
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jul 19 02:49:52 2024
Response via : Initial Calibration

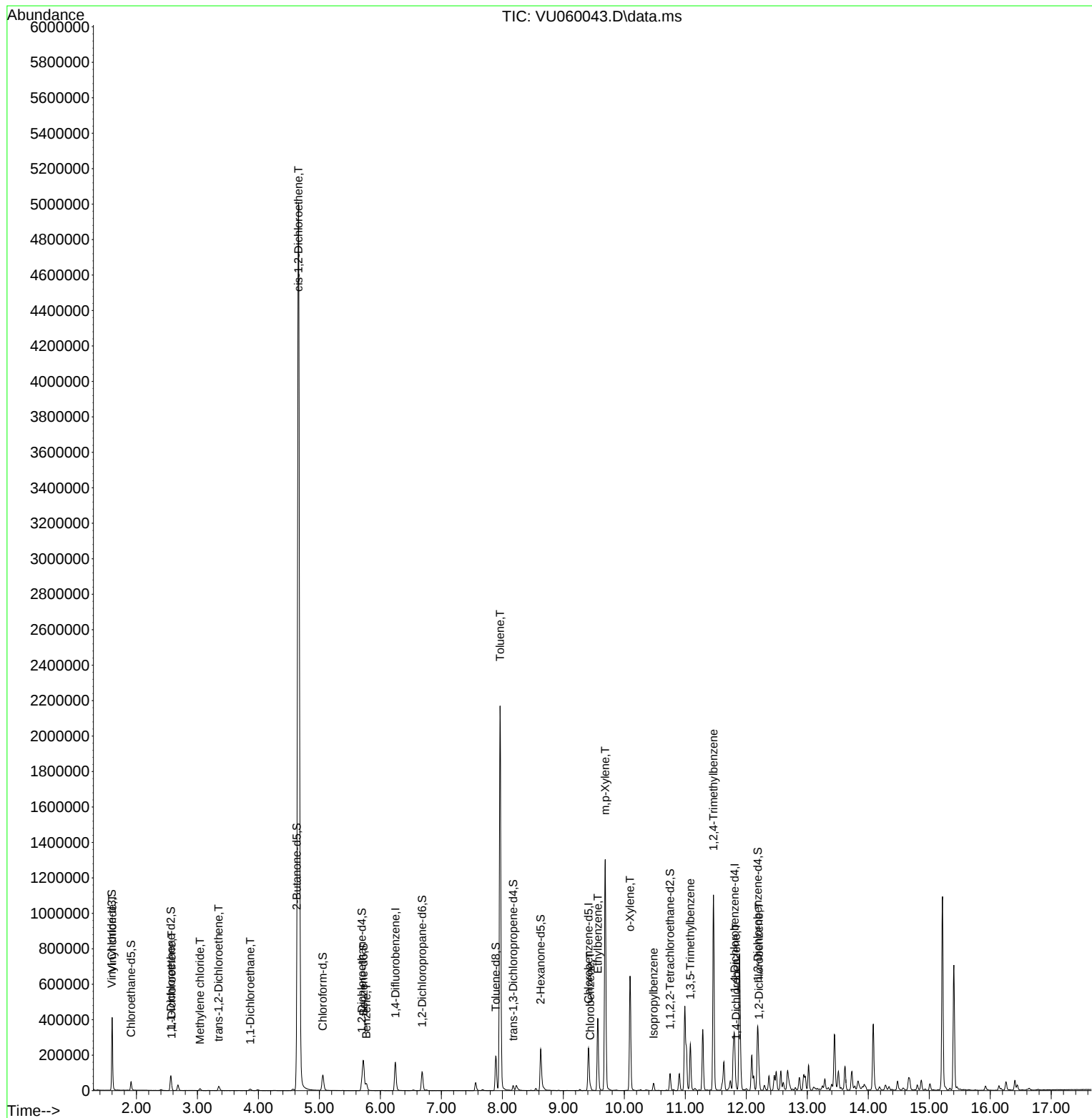
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

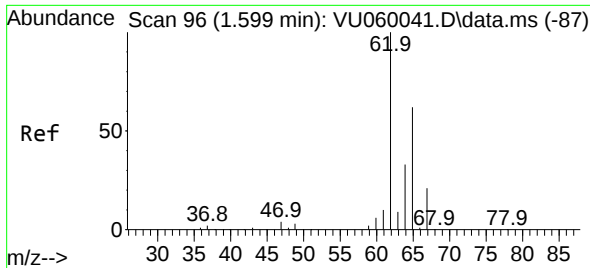
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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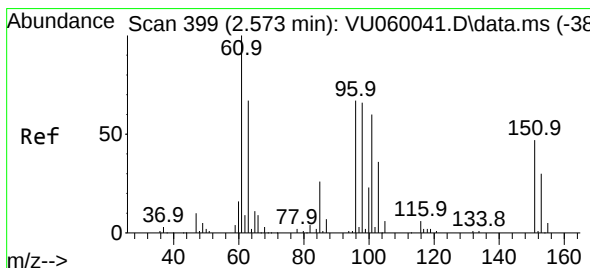
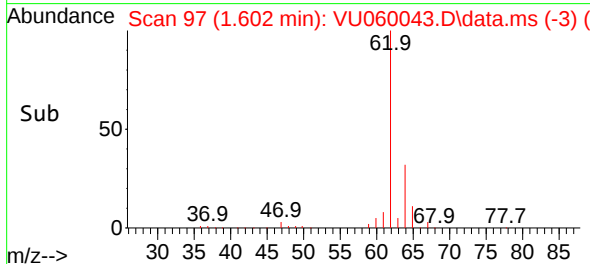
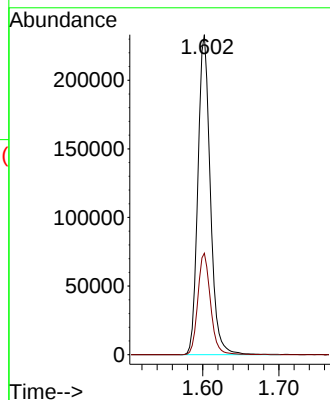
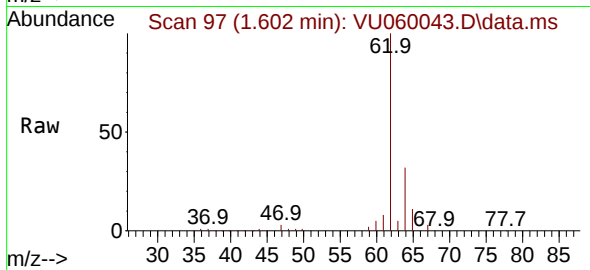




#5
 Vinyl chloride
 Concen: 18.323 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU060043.D
 Acq: 19 Jul 2024 01:57

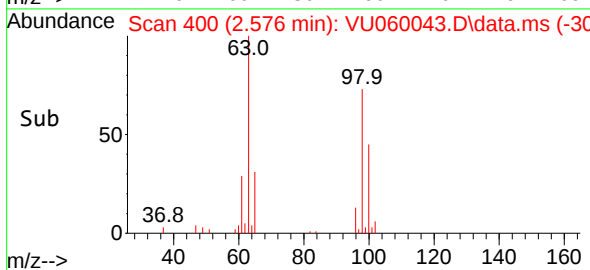
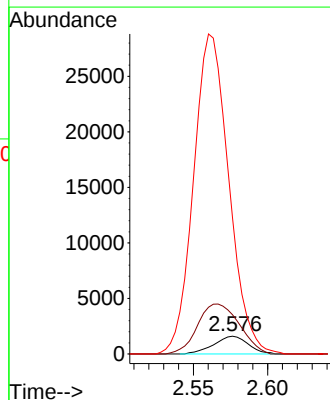
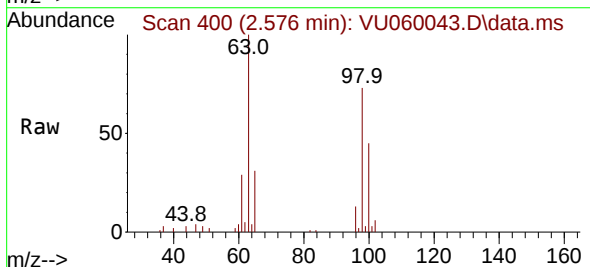
Instrument :
 MSVOA_U
 ClientSampleId :
 YDZD0

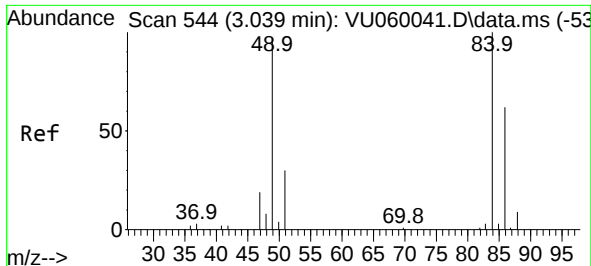
Tgt Ion: 62 Resp: 264242
 Ion Ratio Lower Upper
 62 100
 64 31.7 22.8 42.4



#12
 1,1-Dichloroethene
 Concen: 0.239 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU060043.D
 Acq: 19 Jul 2024 01:57

Tgt Ion: 96 Resp: 2571
 Ion Ratio Lower Upper
 96 100
 61 221.3 107.0 198.6#
 63 769.0 76.4 142.0#

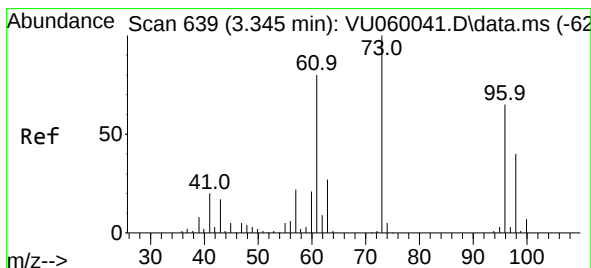
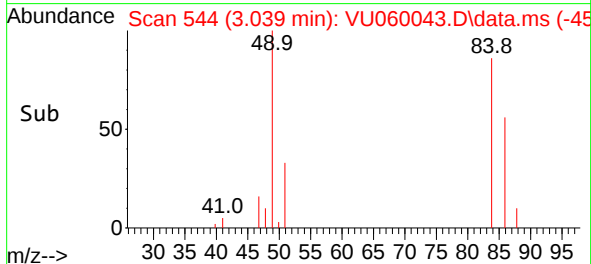
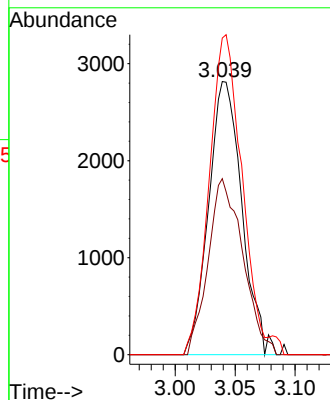
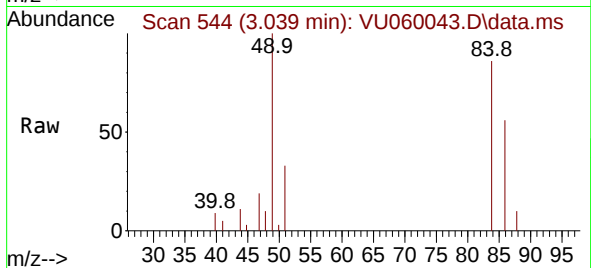




#16
Methylene chloride
Concen: 0.413 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU060043.D
Acq: 19 Jul 2024 01:57

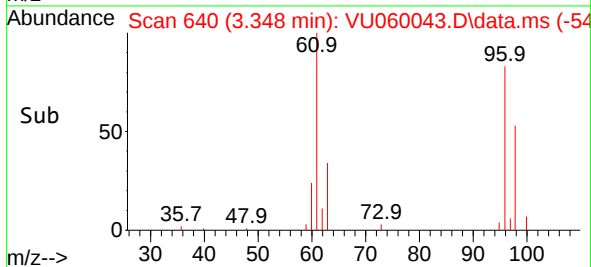
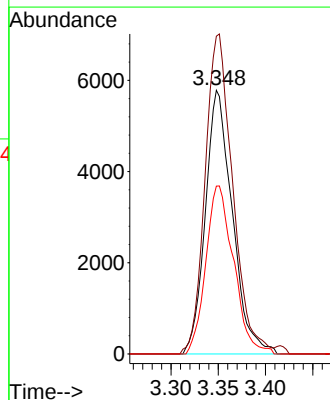
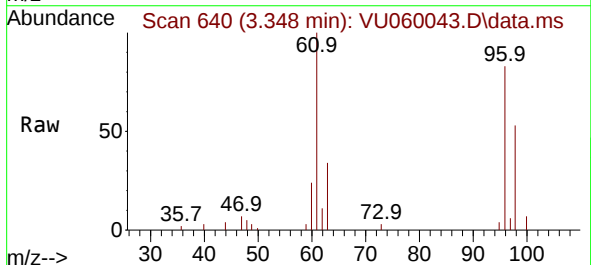
Instrument :
MSVOA_U
ClientSampleId :
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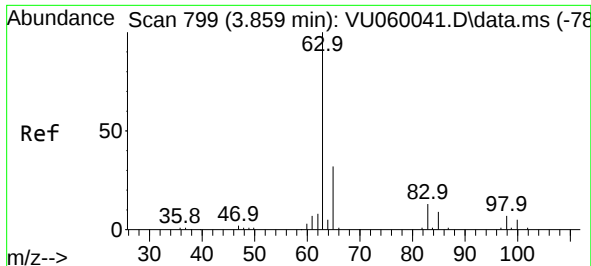
Tgt Ion: 84 Resp: 5440
Ion Ratio Lower Upper
84 100
86 64.4 44.4 82.5
49 116.0 72.0 133.6



#18
trans-1,2-Dichloroethene
Concen: 1.028 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU060043.D
Acq: 19 Jul 2024 01:57

Tgt Ion: 96 Resp: 11491
Ion Ratio Lower Upper
96 100
61 120.5 91.6 170.0
98 63.7 47.7 88.5





#19

1,1-Dichloroethane

Concen: 0.496 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.006 min

Lab File: VU060043.D

Acq: 19 Jul 2024 01:57

Instrument :

MSVOA_U

ClientSampleId :

YDZD0

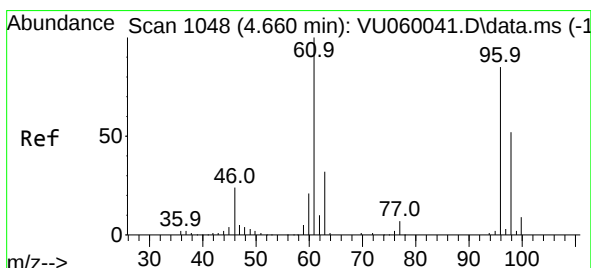
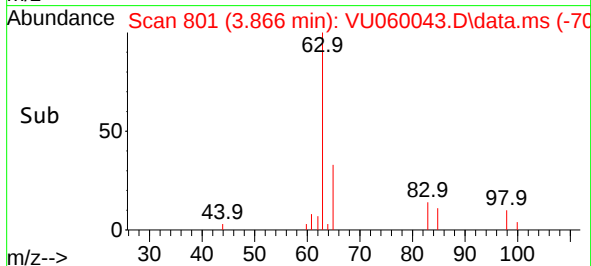
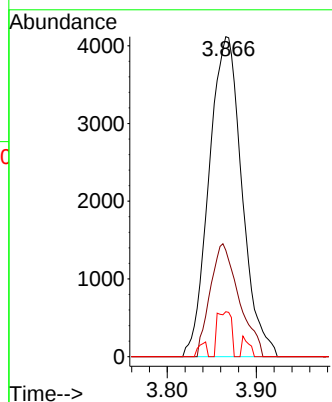
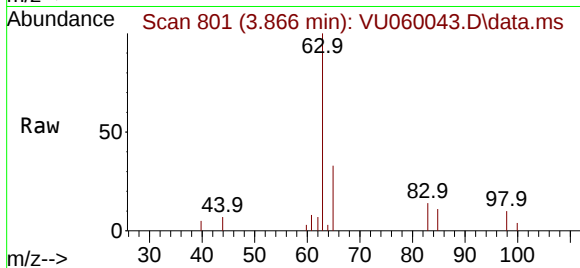
Tgt Ion: 63 Resp: 10542

Ion Ratio Lower Upper

63 100

65 33.2 22.0 40.8

83 14.1 9.7 17.9



#22

cis-1,2-Dichloroethene

Concen: 226.198 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU060043.D

Acq: 19 Jul 2024 01:57

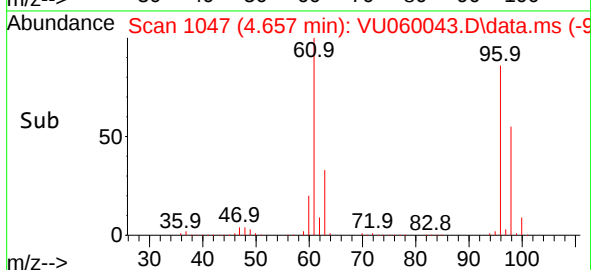
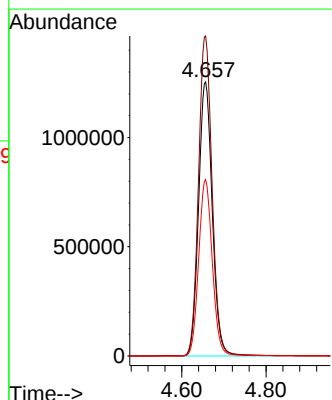
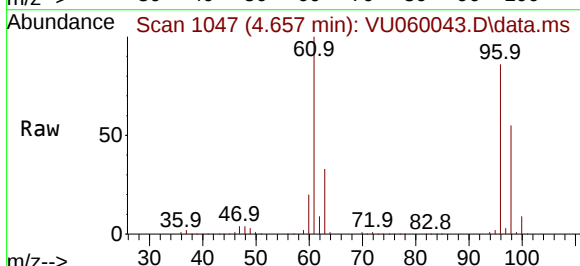
Tgt Ion: 96 Resp: 2833099

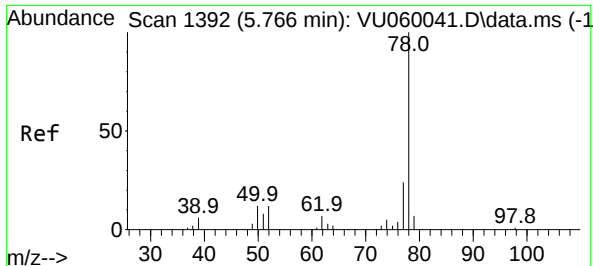
Ion Ratio Lower Upper

96 100

61 116.7 80.2 148.9

98 64.3 44.7 83.1





#33

Benzene

Concen: 0.848 ug/L

RT: 5.769 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU060043.D

Acq: 19 Jul 2024 01:57

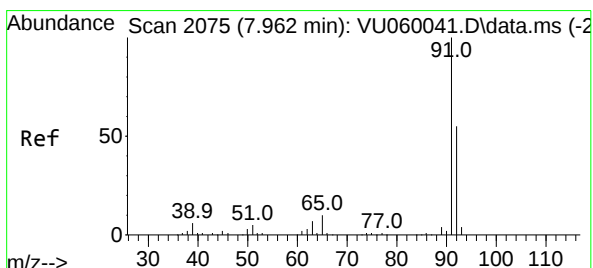
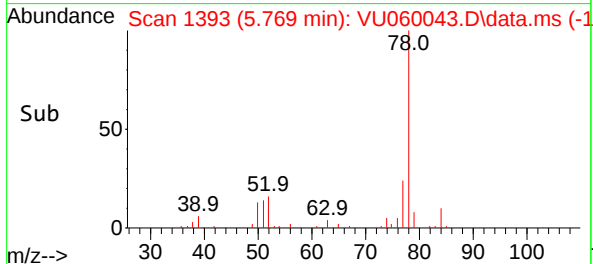
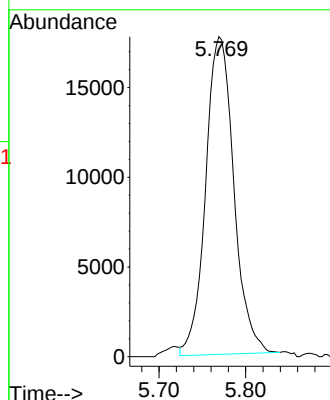
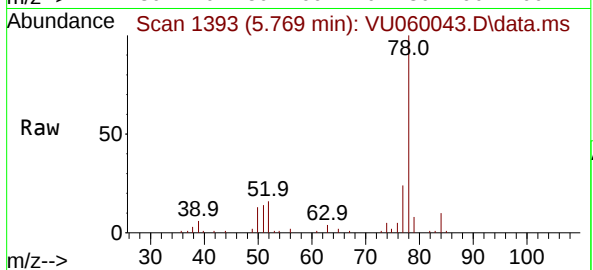
Instrument :

MSVOA_U

ClientSampleId :

YDZD0

Tgt Ion: 78 Resp: 40095



#42

Toluene

Concen: 32.824 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU060043.D

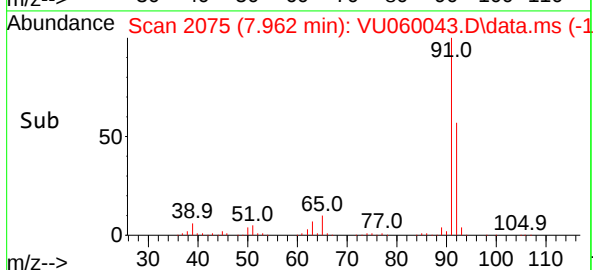
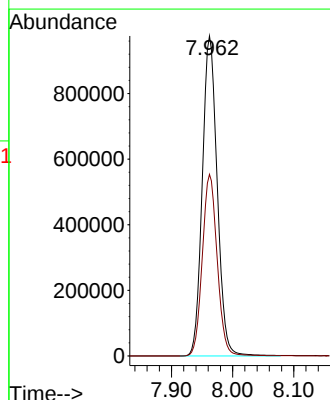
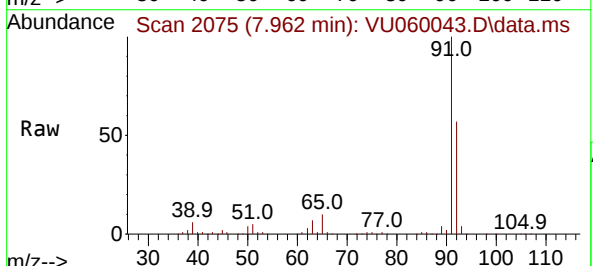
Acq: 19 Jul 2024 01:57

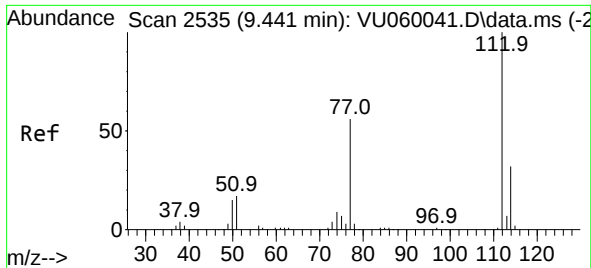
Tgt Ion: 91 Resp: 1652422

Ion Ratio Lower Upper

91 100

92 56.7 39.8 73.8

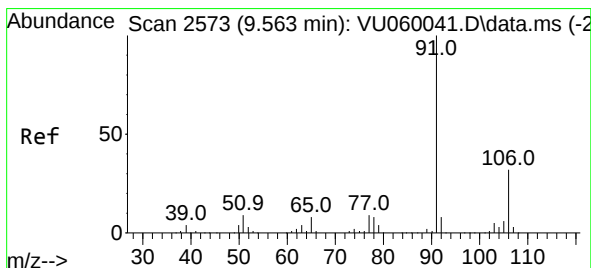
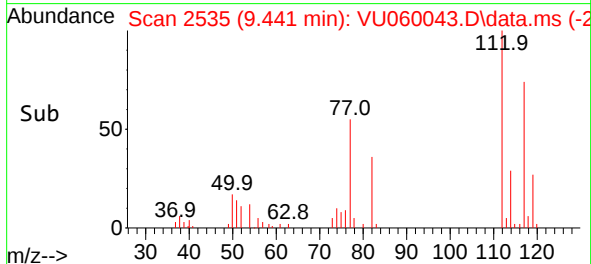
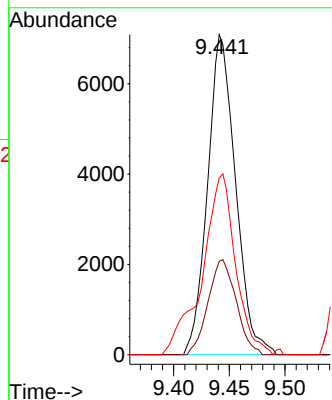
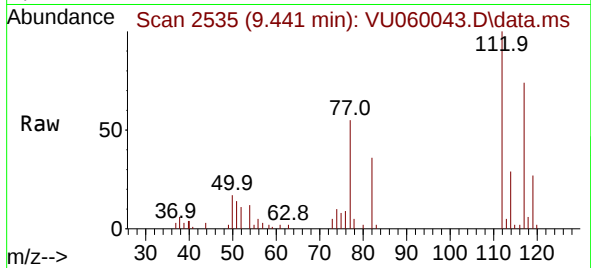




#51
Chlorobenzene
Concen: 0.376 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU060043.D
Acq: 19 Jul 2024 01:57

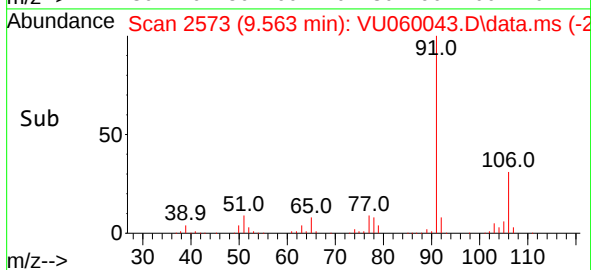
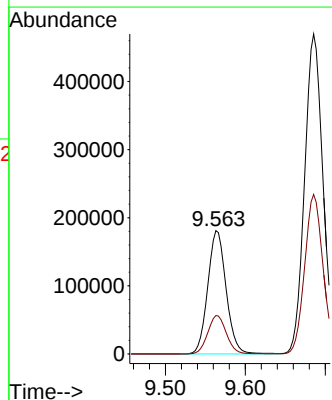
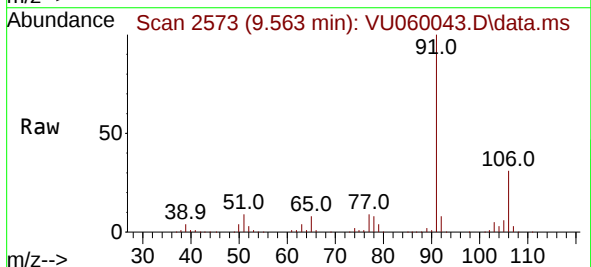
Instrument :
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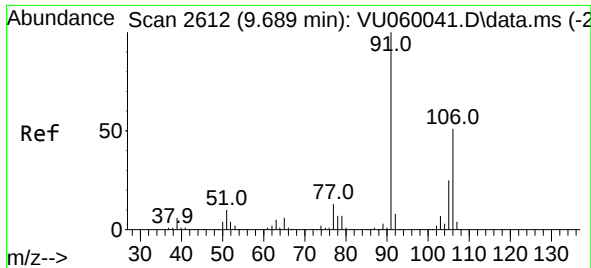
Tgt Ion:112 Resp: 12375
Ion Ratio Lower Upper
112 100
114 29.2 22.1 41.1
77 55.2 44.7 67.1



#52
Ethylbenzene
Concen: 5.778 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU060043.D
Acq: 19 Jul 2024 01:57

Tgt Ion: 91 Resp: 290082
Ion Ratio Lower Upper
91 100
106 31.2 21.9 40.7

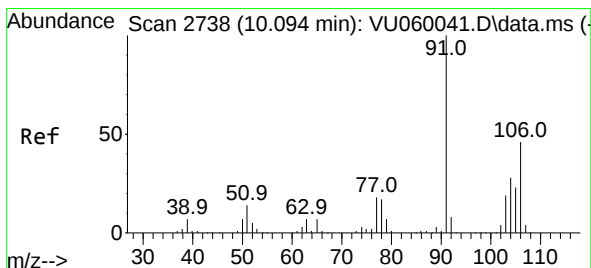
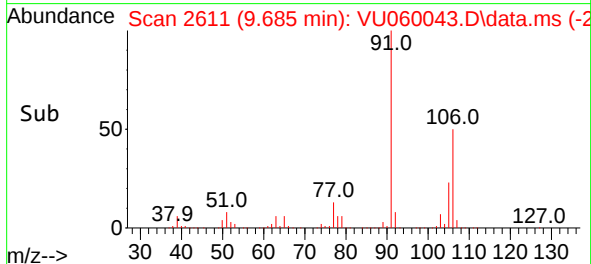
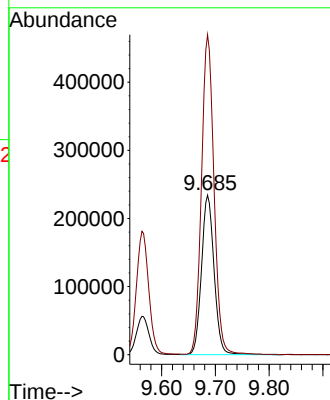
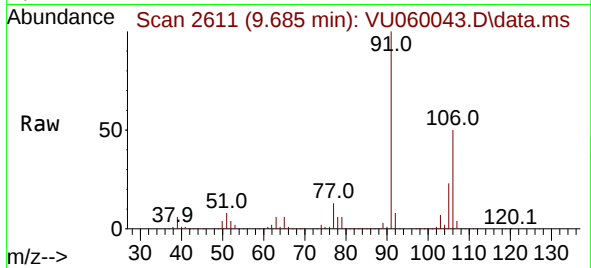




#53
m,p-Xylene
Concen: 19.578 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU060043.D
Acq: 19 Jul 2024 01:57

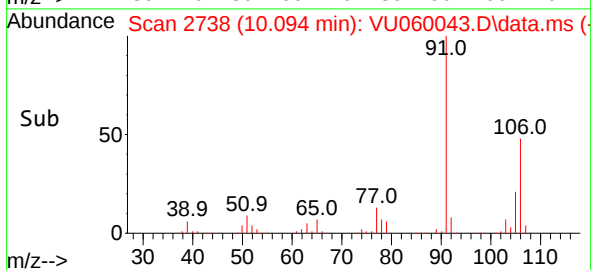
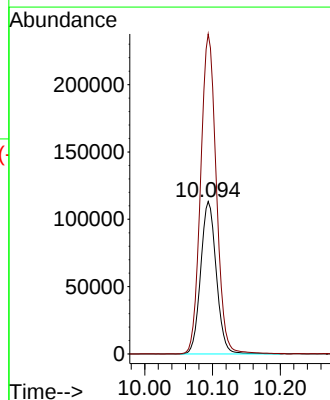
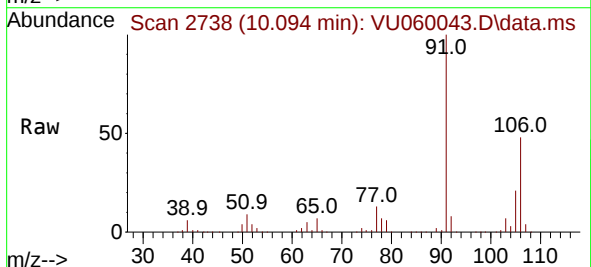
Instrument :
MSVOA_U
ClientSampleId :
YDZD0

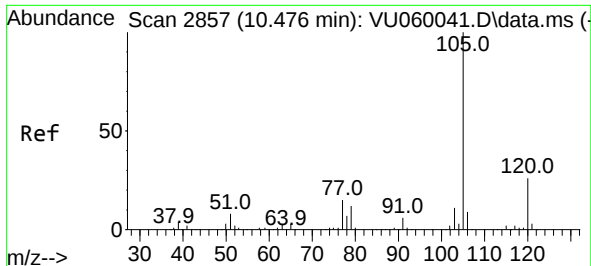
Tgt Ion:106 Resp: 379716
Ion Ratio Lower Upper
106 100
91 200.7 141.3 262.5



#54
o-Xylene
Concen: 9.769 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU060043.D
Acq: 19 Jul 2024 01:57

Tgt Ion:106 Resp: 181190
Ion Ratio Lower Upper
106 100
91 209.8 143.6 266.6

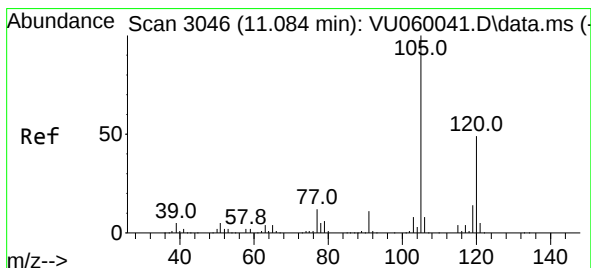
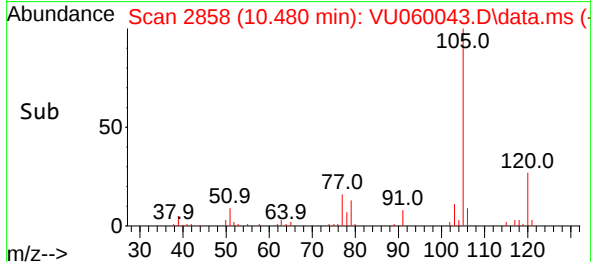
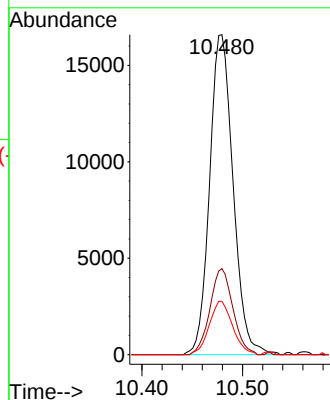
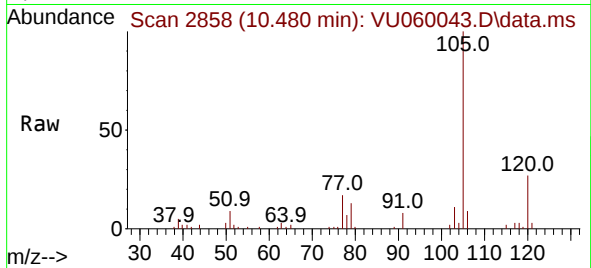




#60
Isopropylbenzene
Concen: 0.520 ug/L
RT: 10.480 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU060043.D
Acq: 19 Jul 2024 01:57

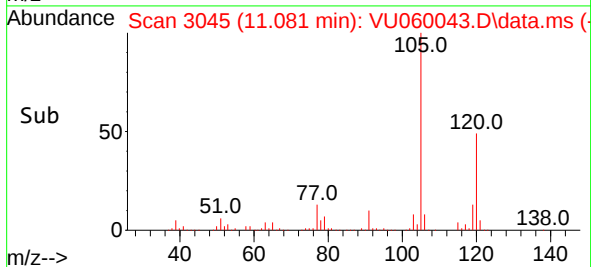
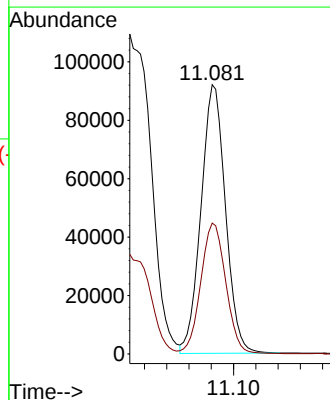
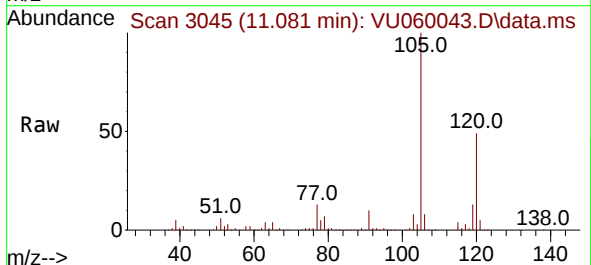
Instrument :
MSVOA_U
ClientSampleId :
YDZD0

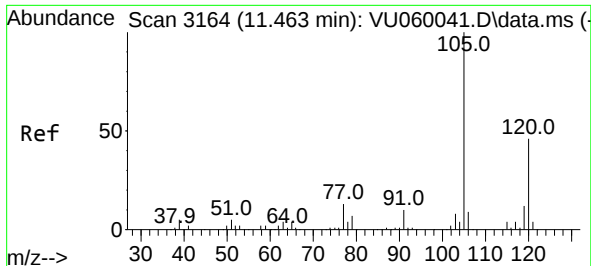
Tgt Ion:105 Resp: 26933
Ion Ratio Lower Upper
105 100
120 0.0 21.9 32.9#
77 16.6 12.1 18.1



#62
1,3,5-Trimethylbenzene
Concen: 3.547 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.003 min
Lab File: VU060043.D
Acq: 19 Jul 2024 01:57

Tgt Ion:105 Resp: 140386
Ion Ratio Lower Upper
105 100
120 49.8 39.4 59.2

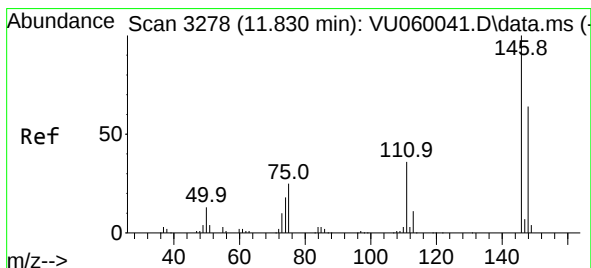
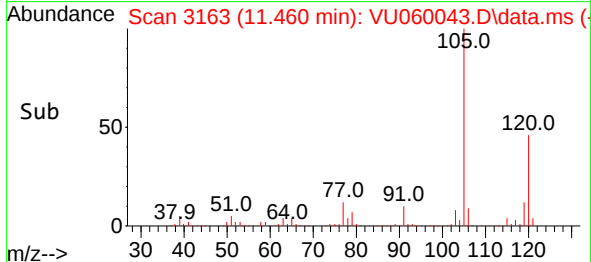
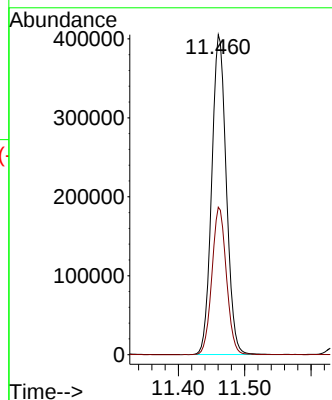
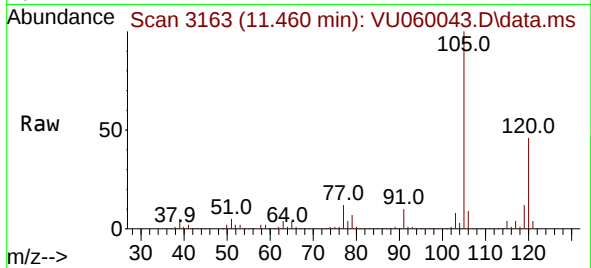




#63
1,2,4-Trimethylbenzene
Concen: 16.172 ug/L
RT: 11.460 min Scan# 3164
Delta R.T. -0.003 min
Lab File: VU060043.D
Acq: 19 Jul 2024 01:57

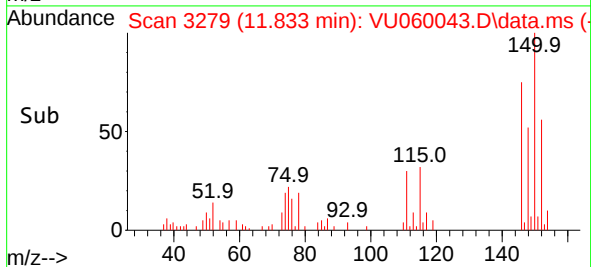
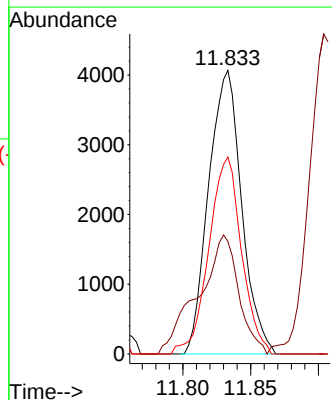
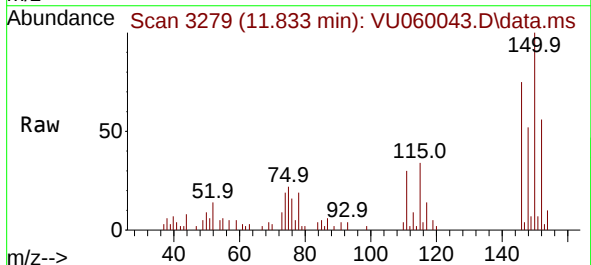
Instrument :
MSVOA_U
ClientSampleId :
YDZD0

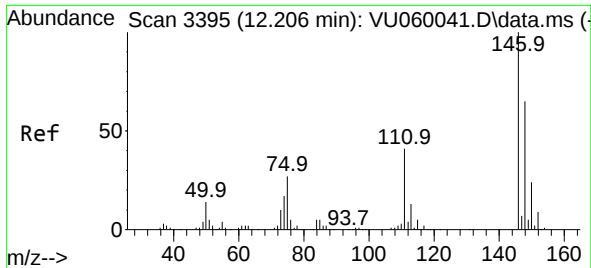
Tgt Ion:105 Resp: 618549
Ion Ratio Lower Upper
105 100
120 45.8 36.7 55.1



#65
1,4-Dichlorobenzene
Concen: 0.243 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU060043.D
Acq: 19 Jul 2024 01:57

Tgt Ion:146 Resp: 6891
Ion Ratio Lower Upper
146 100
111 39.7 26.5 49.1
148 69.4 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 1.221 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU060043.D

Acq: 19 Jul 2024 01:57

Instrument :

MSVOA_U

ClientSampleId :

YDZD0

Tgt Ion:146 Resp: 32568

Ion Ratio Lower Upper

146 100

111 41.9 30.9 46.3

148 69.1 49.8 74.8

